

CloudNine™ Explore

User Guide

CloudNine™ Explore, Version 7.11.75

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CloudNine™ Explore User Guide

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CloudNine™ LAW
CloudNine™ Concordance®
CloudNine™ Explore
CloudNine™ Explore Web

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CloudNine Explore

User Guide

Welcome to Explore

Chapter

1

Welcome to Explore



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Resources:

- [Customer Support](#)
- [Release Notes](#)
- [Subscribe to Release Notifications](#)

Found in this Answer Center:

- [System Requirements](#)
- [Licensing Information](#)
- [Installation Instructions](#)

CloudNine™ Explore and CloudNine™ Explore Web help legal professionals and their service providers meet the increasing demands in the discovery of printed and electronic documents.

In practice, Explore and Explore Web support several key processes.

Prefilter large document sets

CloudNine™ Explore is a standalone prefiltering module available with the CloudNine™ LAW suite. Use it to implement high volume electronic discovery productions. CloudNine™ Explore indexes, filters, and produces export sets. Culled documents are passed directly to CloudNine™ LAW for full expansion and production. For more information see [Filtering](#).

Tag documents

You can tag documents as part of the prefiltering process in CloudNine™ Explore. Tags can be used to easily identify documents as needed. For example, you can tag documents that are responsive or need to be converted to TIFF. Tagging makes your projects easier to produce. For more information see [Tagging](#).

Reporting

CloudNine™ Explore offers reporting on document time-line, exceptions, export exclusion and inclusion, file types, language and much more. See [Creating Reports](#) for details.

Export to CloudNine™ LAW

You can generate an export set in CloudNine™ Explore and send it to a CloudNine™ LAW case or a native file output directory. The export function also allows you to override filtering to include entire e-mail threads containing a filtered document or to only export filtered items with a specified tag. See [Exporting](#) for details.

Analyze and Review using CloudNine™ Explore Web

You can connect to your data via Web browser, conduct analysis, reviews, and more by connecting CloudNine™ Explore to CloudNine™ Explore Web. For more information see [Using CloudNine™ Explore Web](#).

CloudNine Explore

User Guide

CloudNine Explore

Chapter

2

CloudNine Explore

Installation

Installation of CloudNine™ Explore is done using the CloudNine™ LAW Installer. This same installer also allows you to install TIFF/PDF printer drivers, Sentinel Protection Server, and Sentinel RMS License Manager. You must be installing to a computer that meets or exceeds the CloudNine™ Explore [System Requirements](#).

The installer can be downloaded from CloudNine. CloudNine's software download site is <https://cloudnine.com/software-download/>.

By default, LAW and Explore are installed in the ...\\Program Files(x86)\\LAW50\\ directory.

System Requirements

Recommended System Specs

Your needs will vary depending on the volumes of source data being processed. The following table lists the recommended specifications for CloudNine™ Explore:

Current Version is Explore **7.11.75**

Computer/Processor	8 core 2.5+ GHz
Memory (RAM)	32+ GB <i>It is recommended that systems have 4GB of RAM per 1 processing core.</i>

Hard Drive	Solid State Drive w/ 100 GB+ free space
Network File Storage (Case Databases/Images/Text/Native Documents)	When importing electronic documents, the storage size requirements of your data can vary greatly based on the sources being used. Data can inflate up to 3-4 times its original size.
Display	1080p monitor resolution
Network	10/100/1000 Mbps. Gigabit recommended. MS Domain network required Applicable only if using a network server to host Explore Cases and their associated documents.
Supported Operating Systems	<ul style="list-style-type: none">• Microsoft Windows 10 or 11• Microsoft Windows Server 2016 (version 1607)• Microsoft Windows Server 2019 (version 1809)• Microsoft Windows Server 2022 Only 64-bit versions of Microsoft Windows are supported.

Database Software	<ul style="list-style-type: none">• Microsoft SQL Server 2016• Microsoft SQL Server 2017• Microsoft SQL Server 2019• Microsoft SQL Sever 2023 <p>Express versions of the SQL Server versions listed above are supported for smaller Case Files as they have a limit of 10 GB per database.</p>
Required Processing Software	Lotus Notes/IBM Notes 9.0. Required for importing NSF mail stores. To view source files, the associated application must be installed.
.NET Framework	3.5 and 4.8 or higher
ABBYY OCR engine	The ABBYY OCR engine installer can be found here: ABBYY ENGINE

Licensing

Licensing

Software Key Licenses are bundled into software product keys, which are hosted on the license server. Software product keys are activated on the license server using the **License Manager** utility. Like hardware key licensing, licenses for

software product keys are managed in the **LAW Profile Manager**. Licenses for activated software product keys can be monitored in both the **License Manager** and the **LAW Profile Manager**.

A software product key contains the specific CloudNine™ LAW and/or CloudNine™ Explore licenses and license seats assigned to that key. For more information about the CloudNine™ LAW and CloudNine™ Explore licenses, see [License Types](#).

License Server

A license server is a computer hosting the CloudNine™ LAW and CloudNine™ Explore licenses.



It is best practice to have the license server be a separate computer from the computer(s) where CloudNine™ LAW, CloudNine™ Explore, and/or CloudNine™ Explore Web are installed, but a license server can also be the same computer if it is also hosting the product licenses.

For software key licensing, a license server is the computer where the **License Manager** is installed, and where the software product keys are activated and hosted.

In order for CloudNine™ LAW to access the CloudNine™ LAW licenses on a license server, CloudNine™ LAW needs to be configured to point to the license server by entering the license server in the **Change License Server** dialog box in the **LAW Profile Manager**.

In order for CloudNine™ Explore and CloudNine™ Explore Web to access their licenses on a license server, CloudNine™ Explore needs to be configured to point to the license server by entering its information in the **License Server** field in the Explore **Configuration** tab of the **Environment Settings** dialog in CloudNine™ Explore.

Managing Licenses

- **LAW Profile Manager** - Used for managing the license server used by CloudNine™ LAW, and for managing and monitoring the licenses contained within software product keys. For more information, see [LAW Profile Manager](#).
- **License Manager** - Used exclusively for activating and managing software product keys on a license server, and for monitoring the license information for software product keys activated on a license server. For more information, see [License Manager](#).
- **Environment Configuration dialog box** - The **License Server** field in the Explore **Configuration** tab of the **Environment Settings** dialog is used for determining which license server is used for CloudNine™ Explore and CloudNine™ Explore Web. For more information, see [CloudNine™ Explore Startup and Configuration](#).

Please note that details of the machine hosting the license are used in generating the authorization for licensing. If you are planning to make changes to your license server that would affect the machine's unique identifiers, then please contact CloudNine™ Explore Support to assist with the license transfer prior to making those changes to avoid any disruption of service.



Currently, virtual machines set to auto migration in cluster environments are not supported because the machine's unique identifiers will change, which will invalidate the license server. For cluster environments, it is recommend that you turn off auto migration on the virtual machine being used as the license server to avoid any disruption of service.

License Types

CloudNine™ LAW, CloudNine™ Explore, and CloudNine™ Explore Web can be installed together and consist of multiple modules that provide different functionality. Modules may be licensed individually or by bundle. The module you need depends on the requirements of your project. For a one page summary of each function and which license supports each, see **License Matrix**.

All Licenses

Every **License** provides the following basic set of features:

- Opening **Case Files**
- Full use of the **View** and **Help** menus
- Navigation of the **Case Directory**
- Rotating pages within the **Document Viewer**
- Printing images from document records
- Viewing document page properties
- Use of the **Grid Views**
- Use of the **Run Commands**
- Customizing **LAW** through the **Options** tool

Admin (Import/Export)

Edit/Review (QC)

This **License** provides full use of the **Edit** and **Folder** menus, along

This **License** allows you to perform the following administrative functions:

- Create new **Case Files**
- Create and modify **Metadata Fields**
- Import and export electronic documents (not through **ED Loader**)
- Create and delete folders within the **Case Directory**
- Save and apply **Case Templates**
- Validate document ranges
- Summarize and reorganize documents
- Scan for errors
- Compact the **Case File** database
- View **Reports**

CD Publishing with Full Text

This **License** allows you to:

with access to the following quality control and coding features:

- Deduplication
- Log viewing
- Inserting existing pages
- Deleting documents and pages
- Replacing images
- Auto-numbering at the page or document level
- Splitting, merging, or moving pages
- Page-level cleanup
- Searching, filtering, grouping, coding, and tagging records
- Document numbering, image cleanup, scanning for suspect footers, and updating of page data
- Annotating
- Setting preferences

ED Loader

- Create search-able **OCR** indexes for Storm exports

Electronic Discovery E-Print

This **License** allows you to:

- Batch print native files directly to paper
- Print slip-sheets with document information

Electronic Discovery TIFF/PDF

This **License** allows you to:

- Replace images or PDF files
- Convert native files to TIFF images or PDF files
- Convert documents to TIFF images or PDF files

Full Text Indexing

This **License** provides access to the **ED Loader**, which allows you to:

- Import native files
- Import metadata
- Extract text from native files
- Deduplicate native files

Endorse

This **License** allows you to:

- Assign headers, footers, and watermarks
- Number documents
- Endorse documents

Near-Duplicate/Email Thread

NOTICE: This **License** is only displayed within the **LAW Profile Manager** in administrative mode.

This **License** allows you to:

This **License** allows you to:

- Index extracted text
- Perform full-text searching with **Case Files** using SQL Server Databases

OCR (ABBY FineReader)

This **License** provides access to the **ABBY FineReader** engine, which allows you to:

- Perform **OCR** at the document or page level with a wide range of languages ([Supported Languages](#))
- Manage **OCR** flags

Print

This **License** allows you to:

- Apply headers, footers, and watermarks to printed pages
- Batch print image records

- Perform near-duplicate and email thread analysis in both **LAW** and **Explore**
- View and compare near-duplicates in both **LAW** and **Explore Web**
- View email threads in **Explore Web**
- Generate and populate near-duplicate and email thread fields

OCR (ExperVision OpenRTK)

This **License** provides access to the **ExperVision OpenRTK** engine, which allows you to:

- Perform **OCR** at the document or page level
- Manage **OCR** flags

OCR (ExperVision PDF Add-On)

This **License** allows you to:

- Print slip-sheets between documents with or without **Metadata Field** information
- Create search-able PDF files using the **ExperVision OpenRTK** engine for **OCR**

Scan Gold/Platinum

There are two different **Scan Licenses**, which differ only in the amount of scan tokens they provide. The **Gold Scan License** provides a limited number of tokens, which are removed one at a time from the **License Key** each time a scan is performed. The **Platinum Scan License** provides unlimited scanning tokens. Both **Licenses** provide access to the following features:

- Full use of the **Scan** and **Edit** menus
- Creating and deleting folders
- Numbering documents
- Cleaning up images
- Managing **OCR** flags

Import Agent

This **License** provides access to the **Turbo Import** utility, and is required for creating **Turbo Import** enabled **Case Files**.

TSI Scan

This **License** allows you to:

- Scan and import documents to **Case Files** using the **LAWtsi** (Touch Screen Interface)

License Manager

The Sentinel RMS License Manager is installed on a machine operating as a license server for CloudNine™ LAW and CloudNine™ Explore. The **License Manager** utility

is installed alongside CloudNine™ LAW, and is used exclusively to activate, refresh, and deactivate the software product keys hosted on the license server. The licenses and license seats for the activated software product keys on a license server can be monitored from the **License Manager** utility. You can also monitor the licenses and license seats for the activated software product keys on the current license server from the **LAW Profile Manager**.

Please visit the [CloudNine™ LAW Discovery Center](#) for full details on license servers.

LAW Profile Manager

The **LAW Profile Manager** is used for managing licenses. The licensing type you are using for CloudNine™ Explore determines which functionality is available in the **LAW Profile Manager**.

All licenses are maintained in a software product keys on the license server. A license server is where a software product keys are activated.

You can use the **LAW Profile Manager** to perform the following tasks:

- Connect to a license server
- Add, edit, and delete custom license profiles
- Monitor usage of the available licenses

Please visit the [CloudNine™ LAW Answer Center](#) for full details on using the **LAW Profile Manager**.

Explore Directories and Permissions

When setting up CloudNine™ Explore, you will want to confirm that your users can utilize all the components needed for document processing. This includes components used by the Desktop Application and Windows Services.

Desktop Application

Location	Required Permissions	Purpose
CloudNine™ Explore Home Directory (set on Environment Settings) ¹	Read/Write/Modify	Used as main case file directory
%TEMP%	Read/Write/Modify	Used for extracting source files for viewing
%APPDATA%\LexisNexis	Read/Write/Modify	Updates user.ini with application settings



If each user uses their own login, then each user's Windows login would need rights to the locations above.

If Using LAW or LAW Direct Exports

Location	Required Permissions	Purpose
C:\Program Files (x86)\LAW50 ³	Read/Write/Modify	Reading law50.ini and running law50.exe
C:\Windows ³	Read/Write/Modify	Reading law50.ini
CloudNine™ LAW Case List database (set on Environment Settings) ²	Read/Write/Modify	Reading the list of cases created in CloudNine™ LAW
CloudNine™ LAW FileType Database (set on Environment Settings) ²	Read/Write/Modify	Reading file type descriptions used in CloudNine™ LAW
LAW Database and Image paths for a case (set when creating the LAW case) ¹	Read/Write/Modify	Write the exported source files

Windows Services

Location	Required Permissions	Purpose
CloudNine™ Explore Home Directory (set on Environment Settings) ¹	Read/Write/Modify	Used as main case file directory
Export Output Directory (set on Export settings tab) ¹	Read/Write/Modify	Writing exported source files and load files
%TEMP%	Read/Write/Modify	Used for export processing, archive extraction and decrypting password protected files

¹ These locations/files may be accessed by multiple desktop or server machines. For this reason we recommend they be placed on a network share and the value be supplied as a UNC path.



² Windows VirtualStore will complicate the location and use of files under C:\Program Files, C:\Program Files (x86), or C:\Users\AppData. For this reason we recommend this be placed on a network share and the value be supplied as a UNC path. For single-machine installations, this value can be a local path that is not within the above locations (e.g. C:\LAW_Home).

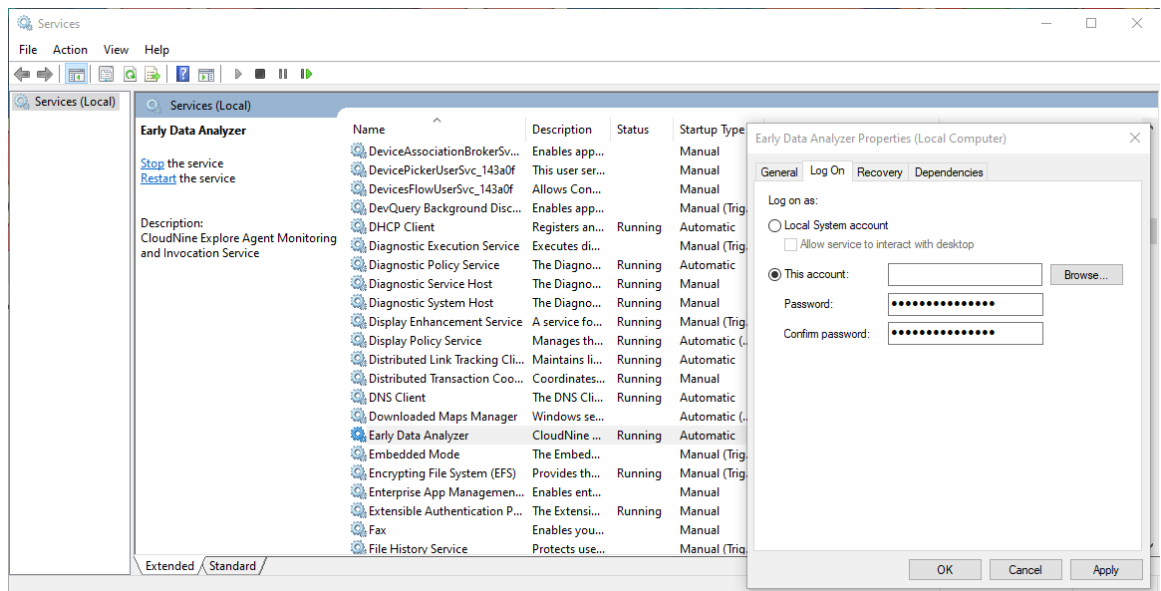
³ Windows VirtualStore will complicate the location and use of files under C:\Program Files, C:\Program Files (x86), or C:

\Users\AppData. For this reason we recommend that Windows UAC Virtualization be disabled.

Windows Services

The CloudNine™ Explore Service uses Windows Services to perform tasks, such as accessing source files for content extraction, indexing, writing log files, or exporting native files. The rights to these services are configured per computer and can be limited to that computer or utilize network locations. The services are configured during the installation process.

If necessary, you can change the service configuration after installation by running the **Windows Services** app. Right click on the **Early Data Analyzer** item in the local services list, and navigate to the **Log On** tab.



- **Local System Account** - Should only be selected for a single station installation where all file resources (i.e. Home Directory, source data, export folders, ini files) are accessed locally.

- **This Account** - This Account is the User Account setting that is required to operate CloudNine™ Explore in a distributed environment. The user you select must have permissions to access the network resources.

Installing CloudNine Explore

Once you have confirmed the system and licensing requirements, you are ready to install CloudNine™ Explore via the **LAW Installer**. Please visit the [CloudNine™ LAW Discovery Center](#) for full details on the **LAW Installer**.

CloudNine Explore requires separate database software to be installed and configured properly. Standard Microsoft SQL Server is recommended. Proper installation and configuration of SQL Server should be discussed with your SQL database administrator.

Startup Configuration

When you run CloudNine™ Explore for the first time, you must perform a few configuration tasks:

1. Specify a connection to an SQL Server. As a part of this step, you must select an authentication method for CloudNine™ Explore to use when logging into the SQL Server. You can use either a Windows domain login, or an SQL Server security login.



Note that specifying an authentication method for connecting to an SQL Server is different from specifying the authentication method for running CloudNine™ Explore as a Windows service. This distinction is important for troubleshooting CloudNine™ Explore, especially when using a distributed environment. You can select an authentication method for the CloudNine™ Explore service when you run the full installation of CloudNine™ LAW and CloudNine™ Explore. You can change the authentication method for SQL Server by opening the environment settings in CloudNine™ Explore. You can change the authentication method

of the CloudNine™ Explore service by using the Windows Services management console.

For more information on installing CloudNine™ Explore, see [Installing CloudNine™ Explore](#).

2. Select a home directory for storing case files. The home directory should be accessible via UNC path to all computers that will participate in processing.



If you plan to use one or more additional computers to access or process data for CloudNine™ Explore cases, then the path value must be supplied as a UNC path. For example: `\SomeServer\SomeFolder\MyCases\`.

The folder must also be accessible by all computers that are running CloudNine™ Explore.

Why can't a mapped drive be used?



CloudNine™ Explore processing is performed by Windows Services running on one or more machines. Windows services running on one machine cannot see the drives mapped on another machine and thus cannot access the files located on them. Additionally, persistent drive mappings are only restored during an interactive login, which the windows service does not use. Thus, even if the drive is mapped on all CloudNine™ Explore machines, the services running on those machines would not be able to access or use those mapped drives. Refer to this [MSDN Services and Redirected Drives](#) for more details

3. Select a license server.

After configuring these elements, you can create cases and begin prefiltering operations immediately. If you want to run prefiltering operations using multiple

computers, you can add more CloudNine™ Explore clients by repeating these configuration steps on different computers.

Configuring environment settings at startup

1. From Windows Start, expand the **CloudNine™ LAW** folder and select **CloudNine™ Explore**. The **Configure Environment** dialog box appears.

The screenshot shows the "Environment Settings" dialog box with the "LAW Configuration" tab selected. The dialog is divided into several sections:

- Management Database Configuration (NOTE: if the database does not exist it will be created)**
 - Server: [SQL service instance or host name] *required
 - Database: EDA_Management
 - Use Windows Authentication
 - Login: law_user
 - Password: [masked]
 - Test Connection button
 - Import settings from the management database. (with a green checkmark icon)
- Home Directory**
 - Path: C:\ProgramData\CloudNine\EdAnalyzer\Home\
 - Warning, Info, and Help icons
- License Server**
 - Field: [Enter license server]
 - Test Connection button
 - Note: You may use the host name or IP address to specify the license server.
- Global Email Hash Configuration Templates**
 - Buttons: Review | Customize | Delete
 - Help icon
- Default Filter Processing Level**
 - Radio buttons: Full (selected) | Minimal
 - Help icon

At the bottom right, there are "OK" and "Cancel" buttons.

2. Configure options as needed:

Option	Description
Server	Type the name of the SQL Server computer followed by a slash (\), followed by the SQL Server instance name. For example, if the computer name of the server is SomeServer and the name of the SQL Server is SQLServer, you would type: SomeServer\SQLServer
Database	Use the default database name provided: EDA_Management
Use Windows Authentication ON	Select this option to connect to the database server using the current Windows login.
Use Windows Authentication OFF	If the Use Windows Authentication checkbox is not selected, you must also provide a valid Login and Password that has access to the SQL Database configured above.
Home Directory	The Home Directory is where all shared configuration data is stored, and will serve as the default directory for new cases. If you plan to use one or more additional computers to access or process data for CloudNine™ Explore cases, then you <u>must</u> supply a UNC network path that is accessible to all computers that are running CloudNine™ Explore (ex. \SomeServer\SomeFolder\MyCases\).

3. Click **OK**.

Creating a case is the next step. For more information on creating and configuring a new CloudNine™ Explore case, see [Cases in CloudNine™ Explore](#).

Environment Settings

You can edit your CloudNine™ Explore configuration using the **Environment Settings**:

1. Click the down arrow next to the tool icon (wrench) located in the upper-right corner of CloudNine™ Explore.
2. Click **Environment Settings**. The **Explore Configuration** tab of the **Environment Settings** dialog box opens.

See the following sections for details on the settings available on each of the tabs in the **Environment Settings** dialog.

Editing any of the following environment configuration options requires a restart of CloudNine™ Explore:



- SQL Server computer or instance name
- Database name
- Authentication method
- License server

Explore Configuration

The **Explore Configuration** tab of the **Environment Settings** dialog box contains all the relevant information needed to create a database and configure it for use with CloudNine™ Explore.

Environment Settings

Explore Configuration | LAW Configuration | NIST Configuration | Notifications

Management Database Configuration (NOTE: if the database does not exist it will be created)

1 Server: [SQL service instance or host name] *required

2 Database: [Database name]

3 Use Windows Authentication

4 Login: law_user

5 Password: ••••••

6 Test Connection

Import settings from the management database.

7 Home Directory: [Enter home directory] *required


8 License Server: [Enter license server] Test Connection

Note: You may use the host name or IP address to specify the license server.

10 Global Email Hash Configuration Templates: Review | Customize | Delete

11 Default Filter Processing Level: Full Minimal

OK Cancel

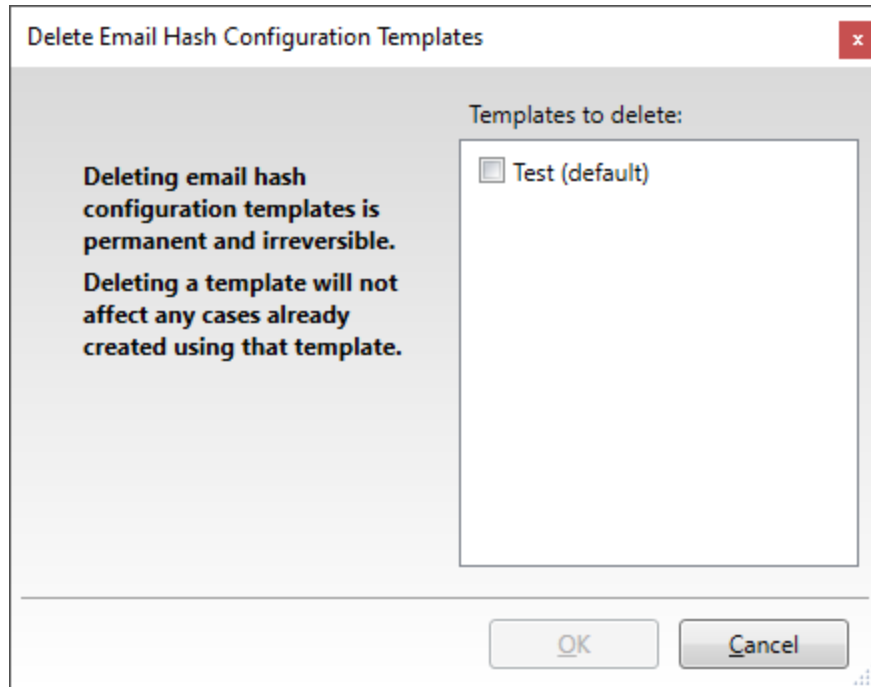
	Setting	Description
1	Server	Enter the IP address, DNS, or Instance Name for the SQL Server that will be used to manage your Explore environment.
2	Database	Enter the specific SQL Server database where your Explore cases will reside. The default is <i>EDA_Management</i> . If a database doesn't exist, then one will be created using the name entered here.
3	Use Windows Authentication	Uses the current Windows user information (username and password) as the login credentials for the SQL Server (1).
4	Login	Enter a username with login permissions to the SQL Server (1).
5	Password	Enter the password associated with the user Login (4).
6		Checks the current SQL configuration to ensure a proper connection can be made. A prompt will appear indicating the results.
		Enter a path to be used as the default storage location for all new cases.

To create a new template:

1. Select **Create New Template** in the **Customize or Create Template** dropdown.
2. Enter a **New Template Name**.
3. If you want this new hashing template to be used for all new cases, select **Use as default for new cases**.
4. Use **Add**, **Remove**, and **Remove All** to adjust the **Selected Fields** list to contain the fields you want in the template. You can re-order the fields using **Top**, **Move Up**, **Move Down**, and **Bottom**.
5. When your template definition is complete, click **OK**.



A description of the available fields can be found in [Explore Field Descriptions](#).



Customize Global Email Hash Configuration Templates

Customize or Create Template: Create New Template

New Template Name:

Use as default for new cases

Available Fields:

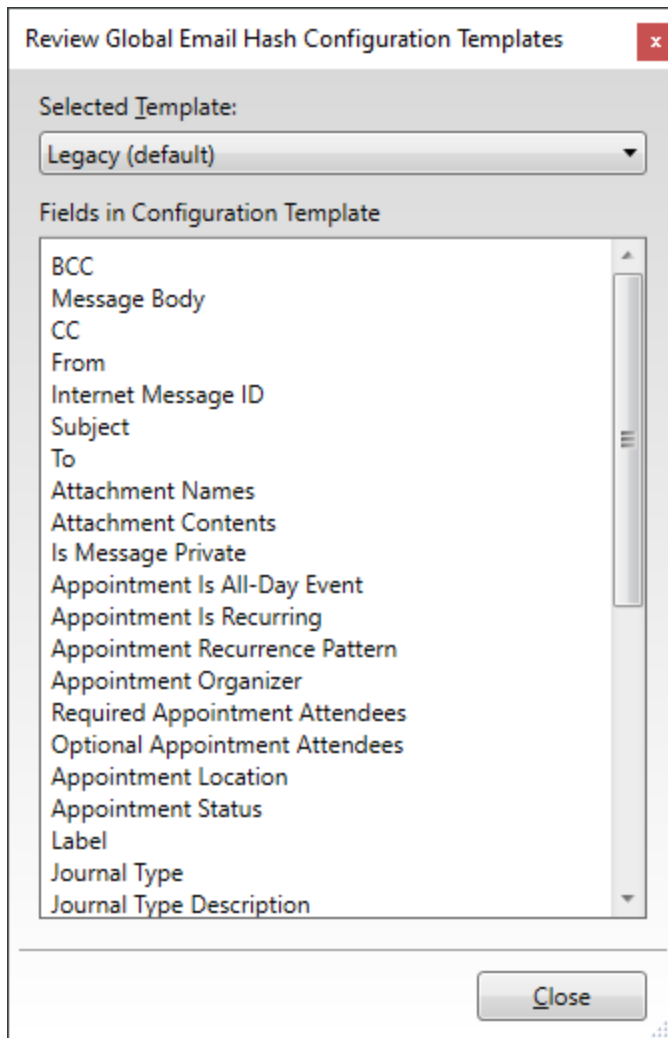
- Appointment End Time
- Appointment Start Time
- Distribution List Display Name
- Distribution List Email Address
- Email Headers
- Received
- Sent

Selected Fields:

- BCC
- Message Body
- CC
- From
- Internet Message ID
- Subject
- To
- Attachment Names
- Attachment Contents
- Is Message Private
- Appointment Is All-Day Event
- Appointment Is Recurring
- Appointment Recurrence Pattern
- Appointment Organizer

Buttons: Add →, ← Remove, ← Remove All, Top, ↑ Move Up, ↓ Move Down, Bottom

OK Cancel



LAW Configuration

The **LAW Configuration** tab contains configuration items needed for exporting directly to LAW (**LAW Direct Exports**). These configuration items are optional.

The screenshot shows the 'Environment Settings' dialog box with the 'NIST Configuration' tab selected. It features two main sections for database configuration:

- Case List Database (Optional):**
 - 1: Server: [SQL service instance or host name] *required
 - 2: Database: [Database name]
 - 3: Use Windows Authentication
 - 4: Login: [SQL Server login] *required with SQL Authentication
 - 5: Password: []
 - 6: Test Connection button
- File Type Management Database (Optional):**
 - 7: Server: [SQL service instance or host name] *required
 - 8: Database: [Database name]
 - 9: Use Windows Authentication
 - 10: Login: [SQL Server login] *required with SQL Authentication
 - 11: Password: []
 - 12: Test Connection button

At the bottom of the dialog are 'OK' and 'Cancel' buttons.

Case List Database

Eligible LAW case lists are stored on SQL Server databases. If no server is provided, exporting to LAW will not be available. It is recommended to use the same case list database configuration that was established in the **LAW Configuration Utility**.

	Setting	Description
1	Server	Enter the IP address, DNS, or Instance Name for the SQL Server that was setup for LAW in the LAW Configuration Utility .
2	Database	Enter the SQL Server database where your LAW cases reside, as was setup in the LAW Configuration Utility . The default is <i>LAW5_Management</i> . <u>Do not</u> change this, as LAW is currently <u>not</u> able to change this database name.
3	Use Windows Authentication	Uses the current Windows user information (username and password) as the login credentials for the SQL Server (1).
4	Login	Enter a username with login permissions to the SQL Server (1).
5	Password	Enter the password associated with the user Login (4).
6	<input type="button" value="Test Connection"/>	Checks the current SQL configuration to ensure a proper connection can be made. A prompt will appear indicating the results.

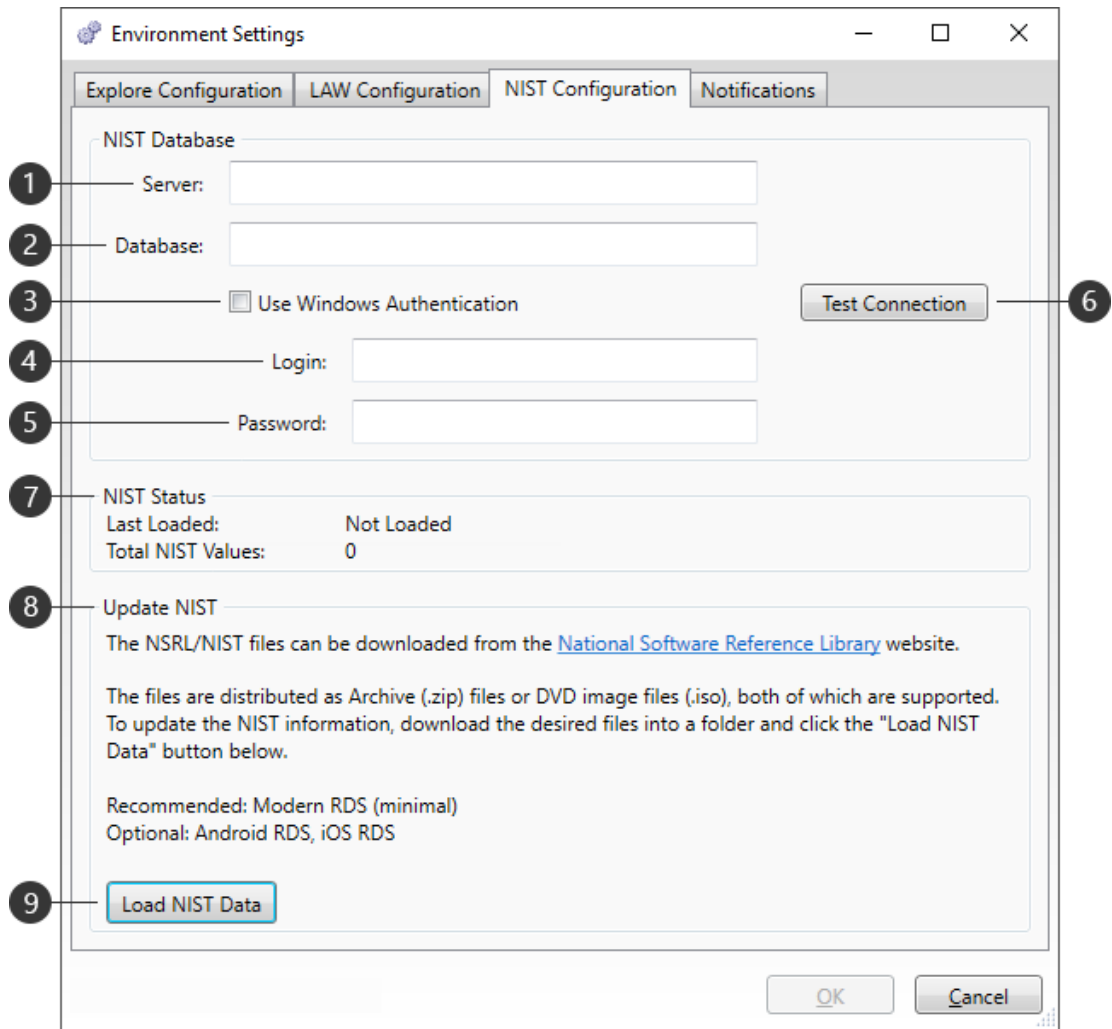
File Type Management Database

The File Type Management (FTM) database contains a list of all the file types to either include or exclude when processing data through LAW. It is recommended to use the same FTM database configuration that was established in the **LAW Configuration Utility**.

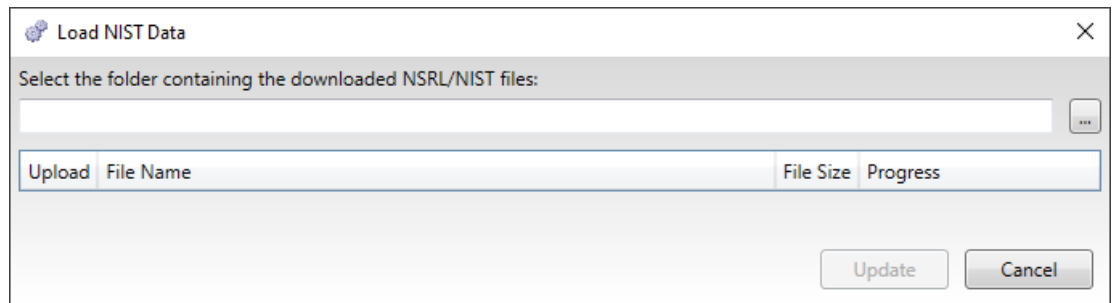
	Setting	Description
7	Server	Enter the IP address, DNS, or Instance Name for the SQL Server that was setup for the LAW FTM in the LAW Configuration Utility .
8	Database	Enter the SQL Server database where the LAW FTM resides, as was setup in the LAW Configuration Utility . The default is <i>LAW_FTM</i> . Custom FTM databases must be created in LAW before being used in Explore.
9	Use Windows Authentication	Uses the current Windows user information (username and password) as the login credentials for the SQL Server (7).
10	Login	Enter a username with login permissions to the SQL Server (7).
11	Password	Enter the password associated with the user Login (10).
12	<input type="button" value="Test Connection"/>	Checks the current SQL configuration to ensure a proper connection can be made. A prompt will appear indicating the results.

NIST Configuration

The **NIST Configuration** tab allows you to setup a NIST database for your Explore cases. The National Institute of Standards and Technology (NIST) maintains and publishes a database of known computer file profiles referred to as a Reference Data Set (RDS), which is compiled by the National Software Reference Library (NSRL). The NIST uses this RDS to compare files against known sets of software applications. NIST filtering is used to remove file types that are unlikely to have useful data. Examples of such file types include system files, executable files, and application logic files.



	Setting	Description
1	Server	Enter the IP address, DNS, or Instance Name for the SQL Server that was setup for NIST data in the LAW Configuration Utility .
2	Database	Enter the SQL Server database where your NIST data resides, as was setup in the LAW Configuration Utility . The default is <i>LAW_NIST</i> .
3	Use Windows Authentication	Uses the current Windows user information (username and password) as the login credentials for the SQL Server (1).
4	Login	Enter a username with login permissions to the SQL Server (1).
5	Password	Enter the password associated with the user Login (4).
6	<input type="button" value="Test Connection"/>	Checks the current SQL configuration to ensure a proper connection can be made. A prompt will appear indicating the results.
		Provides the following information on the current NIST database:
7	NIST Status	<ul style="list-style-type: none"> • Last Loaded – Displays the last date NIST data was loaded into the database, or <i>Not Loaded</i> if no NIST data is available.



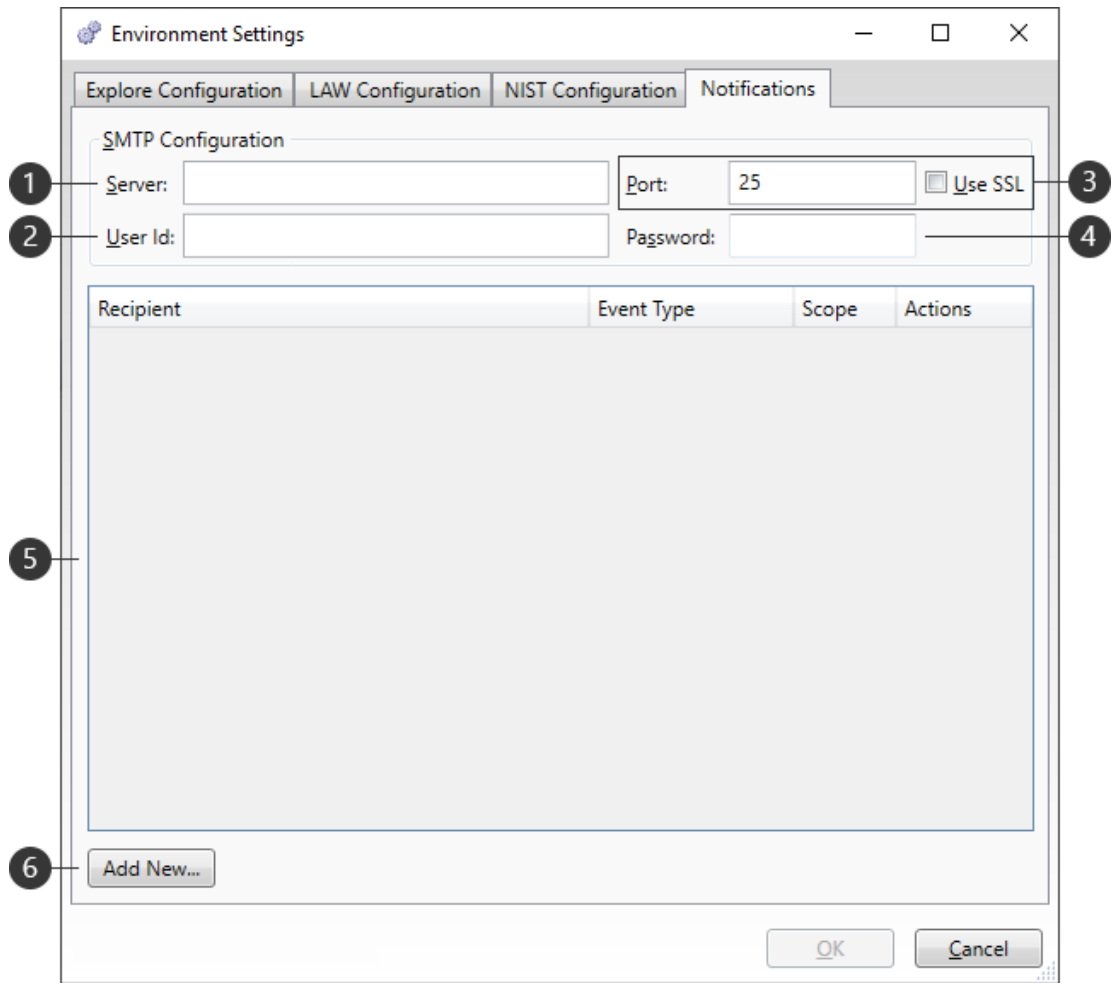
Notifications

In CloudNine™ Explore, users can automatically generate and send email notifications to specific recipients when **Inventory, Analysis, OCR, Indexing, Near-Duplicate Detection, Email Threading**, and/or **Export** jobs are completed. Notifications can be set up globally for all cases. Notifications are created and managed from the **Notifications** tab in the **Environment Settings** window.

If there are errors sending an email notification, the error is written to the notification log located in the case directory: \ \$EDA\Log s \ (date of email) \ (type of email notification). It will be located in the bottom of the last log of that type.



If the user stops any process for which an email notification can be sent by clicking the "Suspend Case" button on the **Global Dashboard**, or stops an **Export** process by clicking the "Stop" button on the **Export** tab, an email notification will not be sent.



	Setting	Description
1	Server	
2	User Id	
3	Port	
4	Password	
5	Recipients	
6	<input type="button" value="Add New..."/>	

SMTP Configuration

When setting up notifications, you can manually configure the SMTP server information to send the notification emails from a specific SMTP server and email address in the **SMTP Configuration** section of the **Notifications** tab.

1. In the **Server** field, type the SMTP mail server address (ex: smtp.gmail.com). The **Port** field defaults to 0.
2. In the **Port** field, enter the port number for connecting to the SMTP server.
3. The **User ID** and **Password** fields only need to be filled out if the SMTP server requires authentication. If the server requires authentication, enter the full email address for the email account from which you want to send the notifications in the **User** field, and enter the password for that user in the **Password** field.

4. **Use SSL** - Enable SSL to use SSL otherwise the default is TLS.



You will need to configure the email used to allow apps to send emails through your email account. For example, with **Microsoft**, **Gmail**, and **Yahoo**. Since this changes the security of your email, you may want to configure a separate email account for this purpose alone.

Creating a Notification

1. From the **Notifications** tab of the **Environment Settings** dialog, click on **Add New**. The **Add Notification** dialog displays.

The screenshot shows a dialog box titled "Add Notification". It has a close button (X) in the top right corner. The dialog contains three input fields: "Recipient" with a placeholder text "email address(es) separated by semicolons or commas", "Event Type" with a dropdown menu showing "Inventory Complete", and "Event Scope" with a dropdown menu showing "All Cases". At the bottom right, there are "OK" and "Cancel" buttons.

2. In the **Recipient** box, enter the email address where the notification should be sent. To enter multiple email addresses, place a semicolon or a comma between each email address.
3. In the **Event Type** list choose one of the following:
 - **Inventory Complete** - Sends an email notification whenever an inventory job is completed, whether completed with or without errors.
 - **Analysis Complete** - Sends an email notification whenever an analysis job is completed, whether completed with or without errors.

- **OCR Complete** - Sends an email notification whenever OCR is completed, whether completed with or without errors.
- **Indexing Complete** - Sends an email notification whenever Indexing is completed, whether completed with or without errors.
- **Near Duplicate Detection Complete** - Sends an email notification whenever Near Duplicate Detection is completed, whether completed with or without errors.
- **Email Threading Complete** - Sends an email notification whenever Email Threading is completed, whether completed with or without errors.
- **Export Complete** - Sends an email notification whenever a LAW Direct, Native, or Native Subset export job is completed, whether completed with or without errors.



CloudNine™ Explore Export notifications are not configured for LAW export via Electronic Discovery. They are only configured for LAW Direct, Native, and Native Subset exports.

4. **Event Scope** is set to **All Cases** by default. The selected notification applies to all CloudNine™ Explore cases. Notifications will be displayed in the **Notifications** list on the **Notifications** tab for all cases.
5. Click **OK**.

Editing a Notification

1. From the **Notifications** tab of the **Environment Settings** dialog, select the notification you wish to edit from the list displayed.
2. Click **Edit**. The **Add Notification** dialog displays.
3. Update the notification with whatever changes are needed.
4. Click **OK** to save your changes.

Deleting a Notification

1. From the **Notifications** tab of the **Environment Settings** dialog, select the notification you wish to delete from the list displayed.
2. Click **Delete**.
3. Click **Yes** when asked, "*Are you sure you want to delete the selected notification?*".

Testing a Notification

1. From the **Notifications** tab of the **Environment Settings** dialog, select the notification you wish to test from the list displayed.
2. Click **Test**.
3. CloudNine™ Explore sends a test email to the email address entered in the **Recipient** field.
4. If the SMTP is configured correctly, you will see a **Test Successful** message display.
5. Login to the **Recipient** email account to confirm delivery of the test email message. The body of the email for all notification types contains "*THIS IS A TEST NOTIFICATION*". The email subject contains one of the following:
 - **Inventory** - CloudNine™ Explore Notification: [Inventory Complete] on [All Cases]
 - **Analysis** - CloudNine™ Explore Notification: [Analysis Complete] on [All Cases]
 - **OCR** - CloudNine™ Explore Notification: [OCR Complete] on [All Cases]

- **Indexing** - CloudNine™ Explore Notification: [Indexing Complete] on [All Cases]
- **Near Duplicate Detection** - CloudNine™ Explore Notification: [Near Duplicate Detection Complete] on [All Cases]
- **Email Threading** - CloudNine™ Explore Notification: [Email Threading Complete] on [All Cases]
- **Export** - CloudNine™ Explore Notification: [Export Complete] on [All Cases]

Information Provided in Notification Emails

Inventory:

- Inventory complete
- Total Sources Processed: (# of sources processed).

Analysis:

- Analysis complete.
- Total documents processed: (# of documents processed)

OCR:

- OCR complete

Indexing:

- Indexing complete
- Total documents Processed: (# of documents processed)

Near Duplicate Detection:

- Near Duplication Detection complete

- Total documents Processed: (# of documents processed)

Email Threading Complete:

- Email Threading complete
- Total documents Processed: (# of documents processed)

Export:

- Export complete.
- Total documents processed: (# of documents processed)

Using CloudNine Explore

CloudNine™ Explore work-flows help to dramatically reduce the cost and time associated with handling large electronic discovery productions by allowing you to search and cull data without requiring full expansion. Once the initial data set has been indexed and culled based on several available filtering mechanisms, a reduced data set can be passed directly to CloudNine™ LAW for full expansion and production capabilities.

This topic discusses the features in CloudNine™ Explore that enable you to perform the essential steps of a prefiltering work-flow, and the administrative features that you can use on an ongoing or as-needed basis.

Work-flow Overview

A basic work-flow in CloudNine™ Explore is described as follows:

1. **Configure environment settings.** This one-time task configures settings in CloudNine™ Explore which will apply across cases. You will setup a connection to SQL Server, select a license server, and identify a storage location for CloudNine™ Explore cases. For more information on initial setup and configuration of CloudNine™ Explore, see [Startup and Configuration](#).

2. **Create a case.** Creating a case in CloudNine™ Explore involves specifying a case name and other basic properties, verifying the data connection, selecting analysis options, and setting options for indexing. For more information on creating cases, see [Cases in CloudNine™ Explore](#).
3. **Import files.** CloudNine™ Explore provides drag and drop functionality for adding items into the import queue. Custodians can be created automatically as items are added. During the import phase, you also create custodians and commit files to the case. The files are then inventoried, indexed, and made ready for filtering. For more information on importing, see [Importing](#).
4. **Configure filters.** CloudNine™ Explore provides several methods to prefilter source data. These methods are described in the following table:

Filter type	Removes from the export set:
File Hash	File types that do not contain user-related data.
Duplicate Document	Documents that are identical to the first identified instance of a document.
Date Range	E-mails and files whose sent date falls outside a date range that you specify.
File Type	File types that do not match those you explicitly allow. For example, if your filter lists PDF files, all other kinds of files are excluded.
E-Mail Sender Domain	E-mail sent from domains other than those you specify.
Language	Files that do not contain the languages that you specify.

- i. For more information on filtering, see [Filtering](#).
5. **Tag files.** Tags can be applied to files in CloudNine™ Explore to help track, sort, and organize the documents in a case. For example, tags can be applied to documents that need to be converted to TIFF, produced to paper, responsive documents, etc. The tagging feature makes it easier for any project (scanned or electronic discovery) to be produced. For more information on tagging, see [Tagging](#).
6. **Perform CloudNine™ LAW or native export.** Exporting from CloudNine™ Explore involves generating an export set and then sending the export set to a

CloudNine™ LAW case or native file output directory. The export function also allows you to override filtering to include entire e-mail threads containing a filtered document or to only export filtered items with a specified tag. For more information on exporting from CloudNine™ Explore, see [Exporting](#).

Administrative Features

CloudNine™ Explore provides the following administrative features:

- **Global Dashboard - managing processing across cases.** CloudNine™ Explore is designed to make full use of the processing power of multiple networked computers to efficiently process multiple cases. The Global Dashboard is the monitoring instrument in CloudNine™ Explore for tracking the status of the local system and its running services, along with the status of working cases, and the services across all computers sharing in the workload. For more information on using the Global Dashboard, see [Using the Global Dashboard](#).
- **Reports.** CloudNine™ Explore provides the following report types:

Report	Description
Document Timeline	Summarizes the timeline of the documents in the current case.
Exception Report	Displays a report of any errors or other exceptions that may have been logged during the processing of the case.
Export Exclusion Log	A tab-delimited text-based log file containing a list of all documents not included in the export set provided to CloudNine™ LAW.
Export Inclusion Log	A tab-delimited text-based log file containing a list of all documents included in the export set provided to CloudNine™ LAW.
Export Report	Provides a summary of the documents exported to CloudNine™ LAW across all export sessions from CloudNine™ Explore for the current case grouped by custodian.
File Type Summary	Summarizes the documents in the current case by file type. This report includes the total number of documents by file type and the total file size of each file type.
Filter Summary	Summarizes the results of filtering operations.
Import Report	Summarizes items imported into the current CloudNine™ Explore case grouped by session, by custodian, or both.
Language	Summarizes the language identification results

For more information on using the reporting feature of CloudNine™ Explore, see [Creating Reports](#).

- **Exception monitoring.** CloudNine™ Explore provides robust exception monitoring so you can more easily detect typical problems with data sources, such as encrypted files and corrupted mail stores. For more information on exception monitoring in CloudNine™ Explore, see [Reviewing Exceptions](#).

Cases in CloudNine Explore

A case in CloudNine™ Explore functions as unit of storage for document metadata and processing information. Note the following facts about cases in CloudNine™ Explore:

- **How you work with cases.** In CloudNine™ Explore you can create, open, and view the status of a CloudNine™ Explore case. You can also manage the queue by which cases are executed. By default, cases are executed for processing on a first-come first-served basis. However, cases in the processing queue can be suspended from processing or lifted from suspension. For more information on working with the case queue, see [Global Dashboard](#).
- **How cases in CloudNine™ Explore relate to cases in LAW.** Although similar in purpose to cases in CloudNine™ LAW, CloudNine™ Explore cases are stored and managed separately from CloudNine™ LAW cases.



When using CloudNine™ Explore with UAC (User Account Control) enabled, it is recommended that you do not create cases under the Program Files or Program Files (x86) folder. This is a protected location in Windows 7 (or higher) OS and therefore the case folder is redirected to the virtual store. This virtual store is located in the profile of the current user (ex. C:\Users\\AppData\Local\VirtualStore\Program Files (x86)\Law50\Cases). Some functions in CloudNine™ Explore will not work properly when this data redirection occurs. To avoid this issue try one the following:

- Disable UAC at your own risk.

- Create cases in a network location or other location not treated as a protected location by Windows 7 (or higher) using a UNC path.

The C:\Program Files, C:\Program Files (x86), C:\Program Data, and My Documents directories are treated as protected locations and should not be used for storing case files.

See [Case Manager](#) for more details on creating cases, defining case settings, and other features related to CloudNine™ Explore cases.

Global Dashboard

The **Global Dashboard** is used to administer case processing in the following ways:

- Reviewing the list of all cases currently being processed.
- Monitoring the status of individual cases. The status includes the number of agents and processes currently running or pending for a case.
- Re-prioritizing the order of case processing.
- Suspending cases, and lifting cases from suspension.
- Monitoring the system-level status.
- Working with blacklisted cases.
- Controlling the refresh rate for information and statistics on the dashboard.
- Assigning processes to specific service machines.
- Removing offline machines from the Services tab list.

The screenshot displays the CloudNine Case Manager interface. The top navigation bar includes 'Global Dashboard', 'Case Manager', and 'Sample Case 3'. The main area is divided into two panes. The left pane, titled 'Working Cases', lists three cases: 'Sample Case 1' (Working, 1 Agent Running Activities: OCR), 'Sample Case 2' (Working, 3 Agents Running Activities: Analysis), and 'Sample Case 3' (Pending, [Import, Filtering, Ocr, Indexing]). The right pane, titled 'Sample Case 2 Details', shows a progress bar, a 'Suspend Case' button, and various metrics: Remaining: 126, Failures: 0, Growth %: 21.1%, and Estimated Time Remaining: Analysis 2 mins. Below these are details for three agents, each performing 'Analysis' on a file. The bottom section shows system and local service status, including 'Cases: 2 Working, 1 Pending', 'Services: 1 running', 'Agents: 4 running', and 'Service Ui: LNGSEAL-7002076'. A status bar at the very bottom indicates the user is connected as 'law_user' and shows work and index statuses.

Monitoring Case Processing Status

1. From the **Global Dashboard** tab, the **Working Cases** tab lists the cases with running processes.
2. Select a case. The processing details for that case are displayed.



If no case is listed, then no processes are running for any cases.

Sample Case 2 Details

Status Suspend Case

Remaining: 126

Failures: 0

Growth %: 21.1%

Estimated Time Remaining

Analysis 2 mins

Agents

- Client: LNGSEAL-7002076 Activity: Analysis
File Start: 4/9/2015 3:11:22 PM
File Size: 81.09 KB Retry Count: 0
File: z_l_king-j_000.pst?king-j_000\king-j\Deleted Items\FW Presentation Announcement.msg
- Client: LNGSEAL-7002076 Activity: Analysis
File Start: 4/9/2015 3:11:28 PM
File Size: 36.10 MB Retry Count: 0
File: z_l_sanchez-m_000.pst
- Client: LNGSEAL-7002076 Activity: Analysis
File Start: 4/9/2015 3:11:25 PM
File Size: 41.65 KB Retry Count: 0

Case Details:

- **Status bar.** The relative processing progress.
- **Remaining.** The number of documents awaiting processing.
- **Failures.** The number of documents that were unable to be processed.
- **Growth %.** The percentage increase in disk space as a result of opening archives and attachments.
- **Estimated Time Remaining.** The estimated amount of time it will take to finish the current process for the selected case. While the **Estimated Time Remaining** is being calculated, **<calculating>** will be displayed. The **Estimated Time Remaining** field is currently only displayed for the following processes: Analysis, OCR, and Exporting.

- **Agents.** Each **Client** is named after the machine that is processing the source. The **Activity** is the phase of processing, e.g. analysis, inventory, etc. During the Analysis activity, the **File Start**, **File Size**, **Retry Count**, and **File** fields are also displayed for each agent currently running.
 - **File Start.** The date and time analysis began on the file displayed in the **File** field.
 - **File Size.** The size of the file currently being analyzed.
 - **Retry Count.** The number of attempts to analyze the file. CloudNine™ Explore will try to analyze the file up to five times before logging an error and moving on to the next file.
 - **File.** The name of the file currently being analyzed. If the file exists within a container file, such as a .pst file, the file name and path to the file within the container is displayed.

Re-prioritizing Case Processing

The **Global Dashboard** displays the list of cases that are processing or waiting to be processed. This list is organized from top to bottom in the order that cases will be processed. The case processing priority order can be modified on the **Modify Case Priorities** dialog box.

1. From the **Global Dashboard** tab, the **Working Cases** tab lists the cases with running processes.
2. From **Working Cases**, click the **Modify the order in which cases are processed** link. The **Modify Case Priorities** dialog displays. Only the cases with a status of **Working** or **Pending** are displayed. By default, the cases are prioritized by date and time created, from oldest to newest with the oldest being processed first.
3. To change the processing priority of a case, select that case from the case list, and click one of the following buttons:
 - **Top** - Moves the case to the top of the priority list to be processed first.

- **Move Up** - Moves the case up one level in the priority list.
 - **Move Down** - Moves the case down one level in the priority list.
 - **Bottom** - Moves the case to the bottom of the priority list to be processed last.
4. Click the **Save** button to save your changes. The **Modify Case Priorities** dialog closes, and the **Working Cases** tab of the **Global Dashboard** is updated.

Suspending or Resuming a Case

Suspending a case prevents all agents from working on the case. After a case is suspended, it can be resumed.

1. From the **Global Dashboard** tab, the **Working Cases** tab lists the cases with running processes.
2. Select a case.
3. Do one of the following:
 - To suspend the case from processing, click **Suspend Case**.
 - To resume processing, click **Lift Suspension**.

Monitoring Overall Processing Status

On the **Working Cases** tab, the panel at the bottom of the window provides status indicators.

System	Local Service
Cases: 2 Working , 1 Pending Services: 1 running Agents: 4 running	Service Uid: LNGSEAL-7002076 Connected: Yes Status: [Running] (Working)
<input type="button" value="Refresh (F5)"/> <input type="button" value="Auto Refresh Is Enabled"/> <input type="text" value="10 Seconds"/>	

- **System**

- The number of cases working and cases pending.
- Total number of available CloudNine™ Explore services and the number of services running.
- Number of agents running.

- **Local Service**

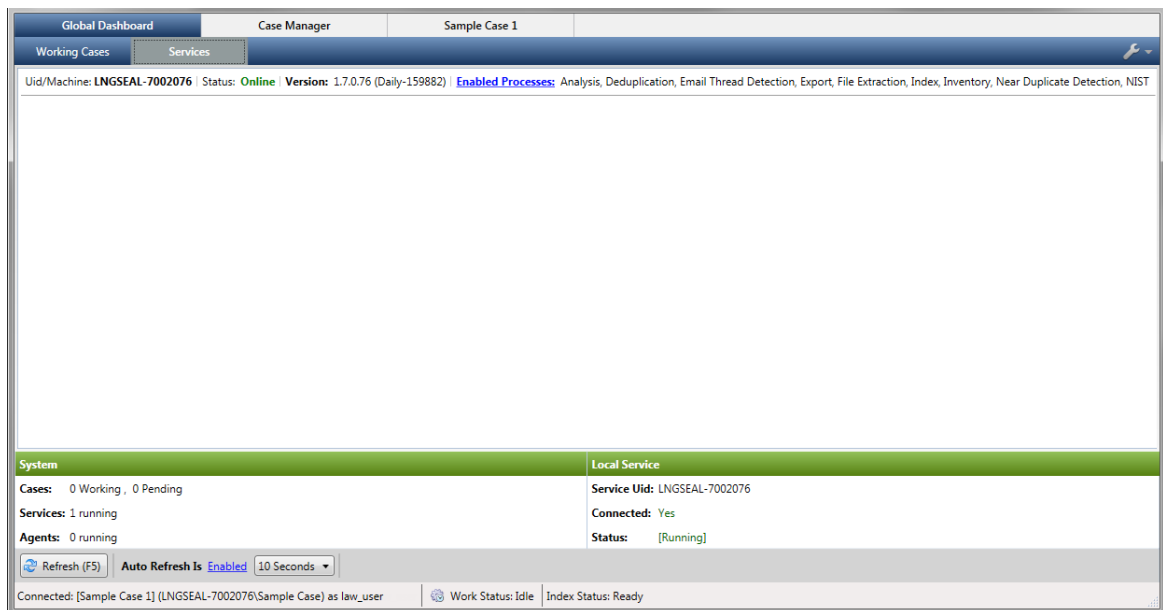
- Service Uid
- Connection status
- Running status

Refresh Rate of Dashboard Information

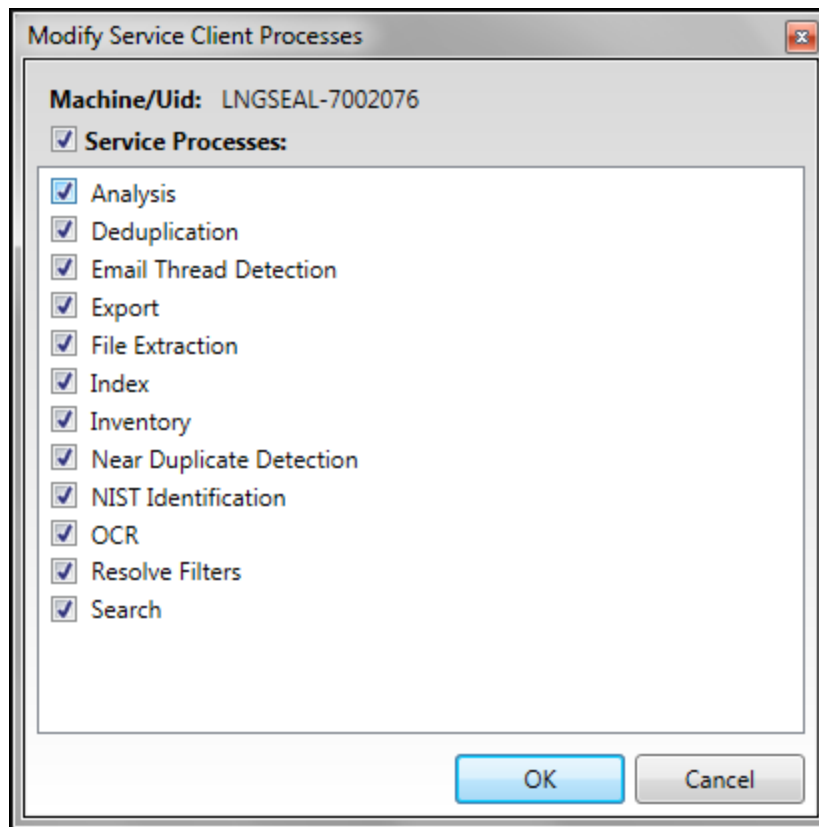
1. From the **Global Dashboard** tab, the **Working Cases** tab lists the cases with running processes.
2. At the bottom of the tab under the **System** section, do one of the following refresh options:
 - Click the Refresh (F5) button to refresh the **Working Cases** tab.
 - In the **Auto Refresh Is** field, click the **Disabled** link to enable auto-refresh feature, and then in the refresh frequency list, click the auto-refresh rate. The refresh frequency list defaults to **10 seconds**.
 - If the auto-refresh feature is already enabled, you can modify the auto refresh rate by clicking another rate in the refresh frequency list.
 - In the **Auto Refresh Is** field, click the **Enabled** link to disable the auto-refresh feature.

Assigning Processes to Service Machines

In CloudNine™ Explore, you can help distribute the workload across different service machines from the **Services** tab on the **Global Dashboard**. For example, you can dedicate a specific service machine or machines to only searching or the OCR process. By default, all processes are automatically assigned to each CloudNine™ Explore service machine. The service machines are listed on the **Services** tab and the processes assigned to machine are listed in the **Enabled Processes** column.



1. From the **Global Dashboard** tab, the **Working Cases** tab lists the cases with running processes.
2. Click the **Services** tab. The service machines being used for CloudNine™ Explore are listed. The **Enabled Processes** column displays the processes currently assigned to the service machine. By default all services are assigned to each service machine.
3. Click the **Enabled Processes** link for the service machine for which you want to modify process assignments. The **Modify Service Client Processes** dialog opens. By default, all the process check boxes are selected, therefore, all services are assigned to the service machine.



4. Clear the check boxes for the CloudNine™ Explore processes that you do not want to run on the service machine. You can remove all processes from the machine by clearing the **Service Processes** check-box at the top.
5. Click **OK**. The **Modify Service Client Processes** dialog closes and your changes are saved. The **Enabled Processes** column is updated.



Changes to the process assignments only apply to newly started agents, they do not apply to agents currently running.

Removing Offline Machines

Offline machines can be removed from the machine list on the **Services** tab by clicking the **Remove** link in the **Status** column. When the **Status** field shows a machine as **Offline**, then the **Remove** link is displayed next to the **Status** field.

1. From the **Global Dashboard** tab, the **Working Cases** tab lists the cases with running processes.
2. Click the **Services** tab. The service machines being used for CloudNine™ Explore are listed.
3. For any offline machine you want to remove from the machine list on the **Services** tab, click the **Remove** link next to **Offline** in the **Status** field.



4. The offline machine is removed from the machine list.



If you remove an offline machine from the list, and the same machine comes back online, the machine will automatically be displayed in the machine list on the **Services** tab, and the **Status** field for the machine will be changed to **Online**.

Blacklisting

Definition

Blacklisting is a mechanism in which a service instance stops processing a case after repeated attempts to work on the case fail. The service will try 5 times before a case is blacklisted. When a case is blacklisted, the service removes the case from consideration for further work. For example, the service will not start agents for inventory or perform analysis.

Blacklisting is scoped to the service and case level. This means that a single service will blacklist a single case. For example, if a single service has 5 cases to process, and the service blacklists 2 of the cases, the service will continue to work on the other 3. Only the 2 blacklisted cases are ignored. In another example, suppose that 3 services are running on 3 workstations, with each service connected to the same management store. If each service is processing a different case and one service blacklists its case, the other 2 services will continue to operate as normal.

Purposes

Blacklisting cases can help to:

- Enable the CloudNine™ Explore service to process other cases that are available for processing.
- Alert you to losses of connectivity, permission issues, and other potential problems that might impair work on cases.

Causes for Blacklisting

The most common cause of blacklisting is the inability of the CloudNine™ Explore service to access the case directory. This situation may be the result of setting the login for the CloudNine™ Explore service to using the Local account. Other less common issues can include: loss of connectivity or permissions issues with the connection to SQL Server, unhandled exceptions from the agent, or initialization failures from the agent.



To determine the type of login that the service uses, or to reconfigure CloudNine™ Explore to use a Windows account, you can use the Windows Services management console. If the CloudNine™ Explore service is found to be running under a local account, you can try stopping the CloudNine™ Explore service, reconfiguring it to use a Windows account to login, and then restarting the service.

Resuming Blacklisted Cases

1. From the **Global Dashboard** tab, the **Working Cases** tab lists the cases with running processes. Any Client can flag a case for blacklisting.

The screenshot shows the CloudNine Explore interface. At the top, there are tabs for 'Global Dashboard', 'Case Manager', and 'EdaMultiple2'. Below these, there are sub-tabs for 'Working Cases' and 'Services'. The 'Working Cases' tab is active, showing a list of cases. Two cases are listed, both with a warning icon and the message 'Case has been 'Blacklisted' by one or more clients.'. Below the list, there is a section for 'System' and 'Local Service' with various status indicators and a 'Case BlackListed' notification in the bottom right corner.

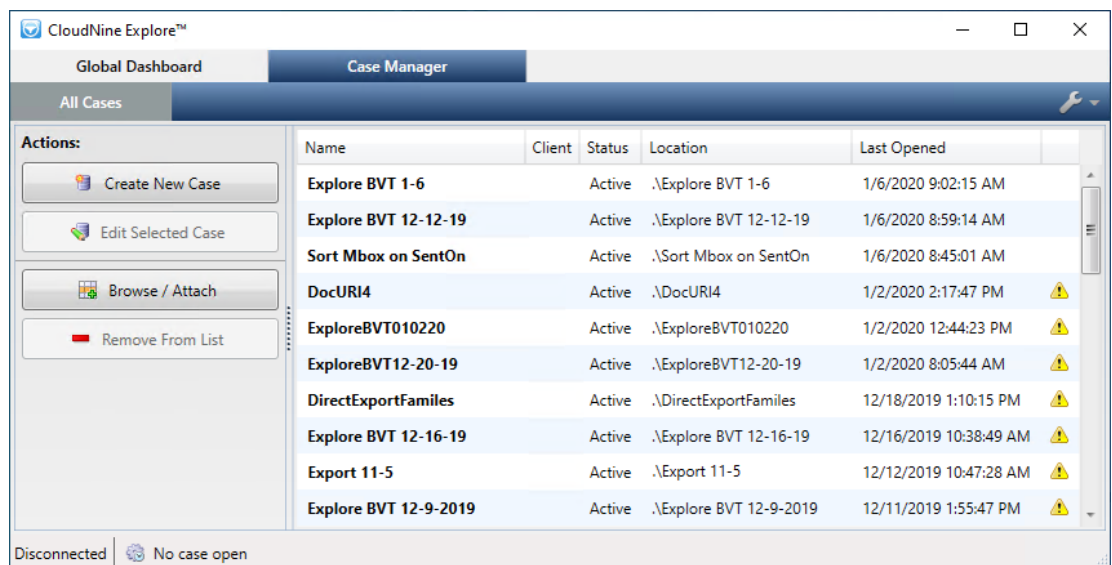
2. Select a blacklisted case.

The screenshot shows the CloudNine Explore interface with the 'Multiple2 Details' view. The interface displays a detailed view of a case, including a 'Status' dropdown, 'Remaining' count, 'Failures' count, and 'Growth %'. There is also a section for 'Services that have blacklisted this case' with 'Save ...' and 'Remove All' buttons. The 'Reason' for blacklisting is displayed as 'Too many case access failures occurred (5). Last Failure: Case directory was not found or in accessible to this workstation/service'.

3. Do any of the following:
 - Click **X** on the status bar notification to reset a blacklisted case. This action causes the service to restart processing the case.
 - Click **Remove All** to reset all blacklisted cases. This action causes the service to restart processing of all cases.
 - Click **Save** to save all log entries.

Case Manager

When you launch CloudNine™ Explore, the **Case Manager** is displayed. All Cases will be displayed in the list, sorted by **Last Opened** by default. You can change the list sorting by clicking on one of the column headers: **Name**, **Client**, **Status**, **Location**, or **Last Opened**.



Open a Case

1. In CloudNine™ Explore, click the **Case Manager** tab.
2. Double-click the case you want to open. A new tab opens with the selected case, on the **Import** tab.



If the case that you want to open is not immediately visible in the case list, click **Active Cases** or **All Cases**. If the case is still not visible, click the **Browse/Attach** button, open the cases folder,

open the folder named after the case you want to open, select the *eda-case.ini* file for the case, and then click **Open**.

View or Edit Properties for an Existing Case



After a case has been created not all settings are editable.

1. From the **Case Manager** tab, select a case and then click **Edit Selected Case**. Alternatively if the case is already open, you can select **Case Settings** from the **Tools** (wrench) drop-down. The **Edit Case Settings** dialog displays.
2. Browse the tabs to view or change settings:
 - **General** - the following fields are editable: Description, Client, Case is active, and Case Time Zone.
 - **Database** - if the Use Windows Authentication check box was selected when the case was created, no database connection settings are editable after case creation. If the User Windows Authentication check box was not selected and SQL Server authentication is being used for the case, the Login and Password fields are editable.
 - **Analysis** - you can modify the maximum number of agents, enable or disable the option to save all content to disk, and download the latest NIST hash database.
 - **Indexer** - you can edit any of the indexer settings.
 - **OCR** - you can edit any of the OCR settings.
 - **Passwords** - you can add or delete Adobe Acrobat PDF, Microsoft Word DOC and DOCX, Microsoft Excel XLS or XLSX and archive encryption passwords.
 - **Tags** - you can add, delete, and export the case tags.

- **Footer Exclusions** - you can add or edit content to be excluded from the case's near-duplicate analysis process. For more information, see [Running Near-Duplicate & Email Thread Analysis](#).

3. Click **OK**.

If index settings were changed on the **Indexer** tab, clicking **OK** displays "*Index configuration changes detected, would you like to re-index the case?*". Click **Yes** to re-index the case, or click **No** if you do not want to re-index the case.

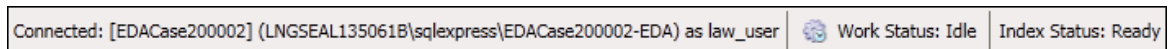
- ☰ If you modified the **Use case-specific noise word list (noise.dat)** and/or the **Use case-specific alphabet file (default.abc)** check box settings on the **Indexer** tab, and were not prompted to re-index the case after clicking **OK**, then you will need to rebuild the case's index. For more information, see [Managing Indexes](#) and [Searching](#).

View the Connection, Work, and Index Statuses

When CloudNine™ Explore is first opened, the status bar at the the bottom of the main window indicates Explore as **Disconnected** with **No case open**.



When you open a case, the connection status, work status, and index status for the case are updated accordingly.



Note the following:

- After the connection status, the case name displays in brackets. After the case name, the SQL instance/database name displays in parenthesis, followed by the name of the current user.

- If you add a source to the case and then commit that source to processing, the **Work Status** state will change from **Idle** to any of the following: **Work Pending**, **Working: Inventory**, **Analysis**, or **Analysis: Indexing**. When processing finishes, the status returns to **Idle**.
- The **Index Status** on the toolbar indicates the following:
 - **Indexing** - files are being indexed
 - **Compacting** - files are being compacted
 - **Re-indexing** - files are being re-indexed
 - **Ready** - no index processes are running and the index is ready for processing

Remove a Case

When you are finished working on a case, you can remove it from the case list. Removing a case from the case list does not delete the case database or files. You can restore the case to the case list as needed, and it will appear again in the list (see Restore a Case to the Case List below).

1. Click **Case Manager**.
2. Select the case you want to remove.
3. Click **Remove From List**.
4. In the **Detach Case** dialog box, click **Yes**. The case is removed from the list.

Restore a Case to the Case List

1. Click **Case Manager**.
2. Click **All Cases**.

3. Click **Browse / Attach**. A Browse window displays, opened to the cases folder by default.
4. Navigate to the folder named after the case you want to open.
5. Select the eda-case.ini file for the case, and then click **Open**.

Creating Explore Cases

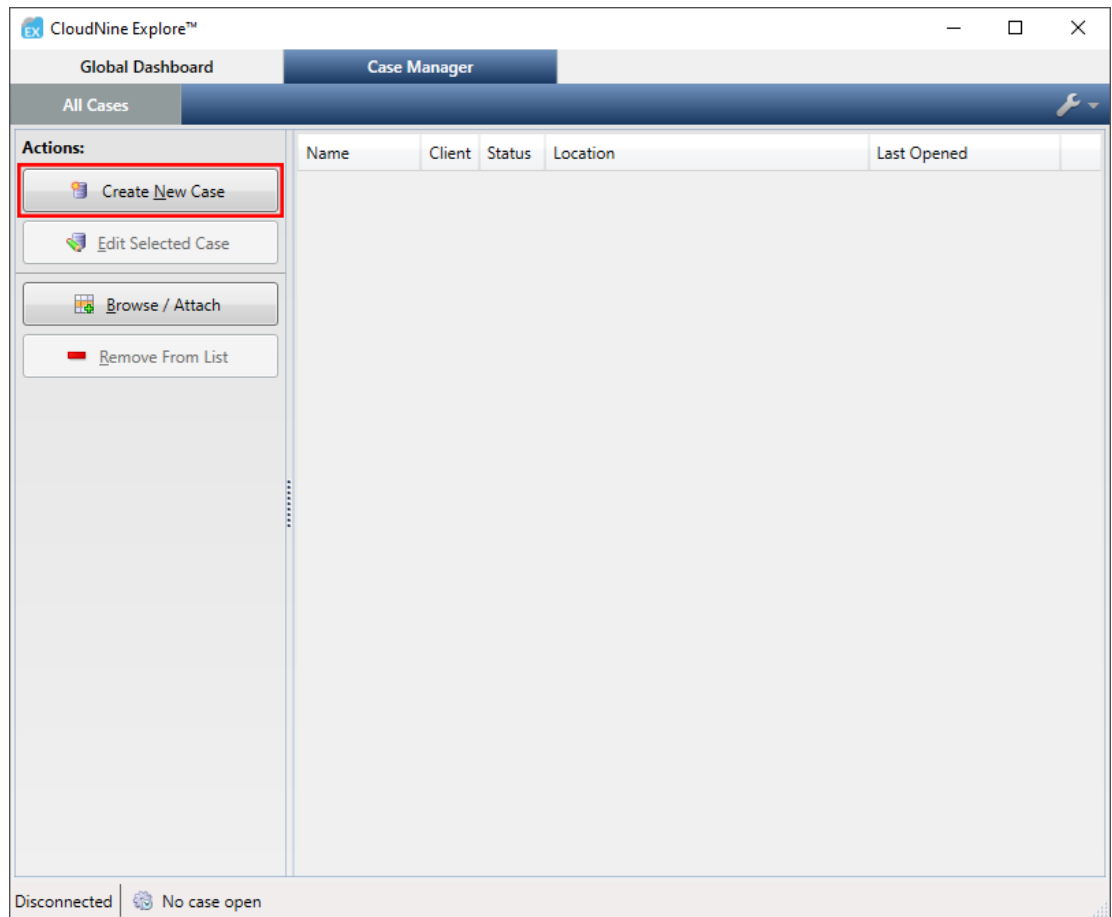



How to Create a New Explore Case

A Knowledge Based Article on this subject can be found here:


[Creating a New Explore Case \(cloudnine.com\)](https://cloudnine.com)

1. Launch **Explore** if it's not already open, and navigate to the **Case Manager** tab.
2. From here, click the **Create New Case** button at the top-left.



3. The **New Case Settings** window will open under the **General** tab. Enter a **Name** for your new case into the box provided. This is typically the only required input when creating new cases.
4. Ensure that the **Case Directory** is set to the desired location. You can use the  button on the right to open the **Browse For Folder** window, which will help you navigate to and select a location.



If a local path is used for the Case Directory, you will see the  icon appear on the right, indicating that other clients may be prevented from connecting with this location.

The image shows a 'New Case Settings' dialog box with the following fields and options:

- Name:** [Enter name for case] *Required
- Description:** [Enter description for case] (optional)
- Client:** [Dropdown menu]
- Case Directory:** D:\CloudNine\Law Data\Cases
- Case is active
- Apply default file type filters
- Case Time Zone:** (UTC) Coordinated Universal Time

Buttons: OK, Cancel

5. **Optional:** Refer to the following Answer Center topics to further adjust the available settings tabs:

- [General Case Settings](#)
- [Database Case Settings](#)
- [OCR Case Settings](#)
- [Passwords Case Settings](#)

- [Analysis Case Settings](#)
- [Indexer Case Settings](#)
- [Tags Case Settings](#)
- [Footer Exclusions Case Settings](#)



6. When finished, click **OK** to close the **New Case Settings** window and create your new case.

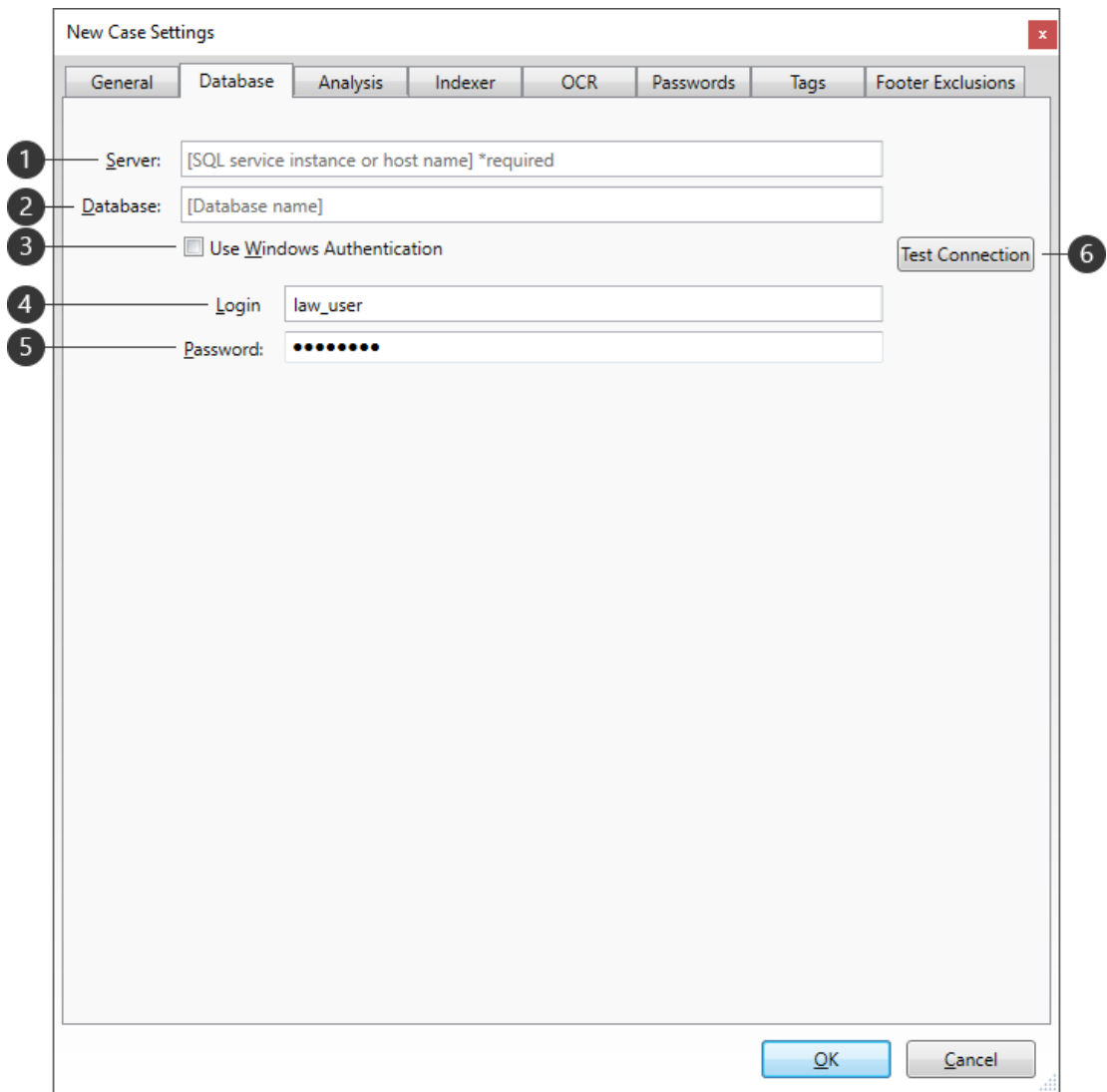
The image shows a 'New Case Settings' dialog box with the following fields and options:

- 1 Name: [Enter name for case] *Required
- 2 Description: [Enter description for case] (optional)
- 3 Client: [Dropdown menu]
- 4 Case Directory: D:\CloudNine\Law Data\Cases [Browse button]
- 5 Case is active
- 6 Apply default file type filters
- 7 Case Time Zone: (UTC) Coordinated Universal Time [Dropdown menu]

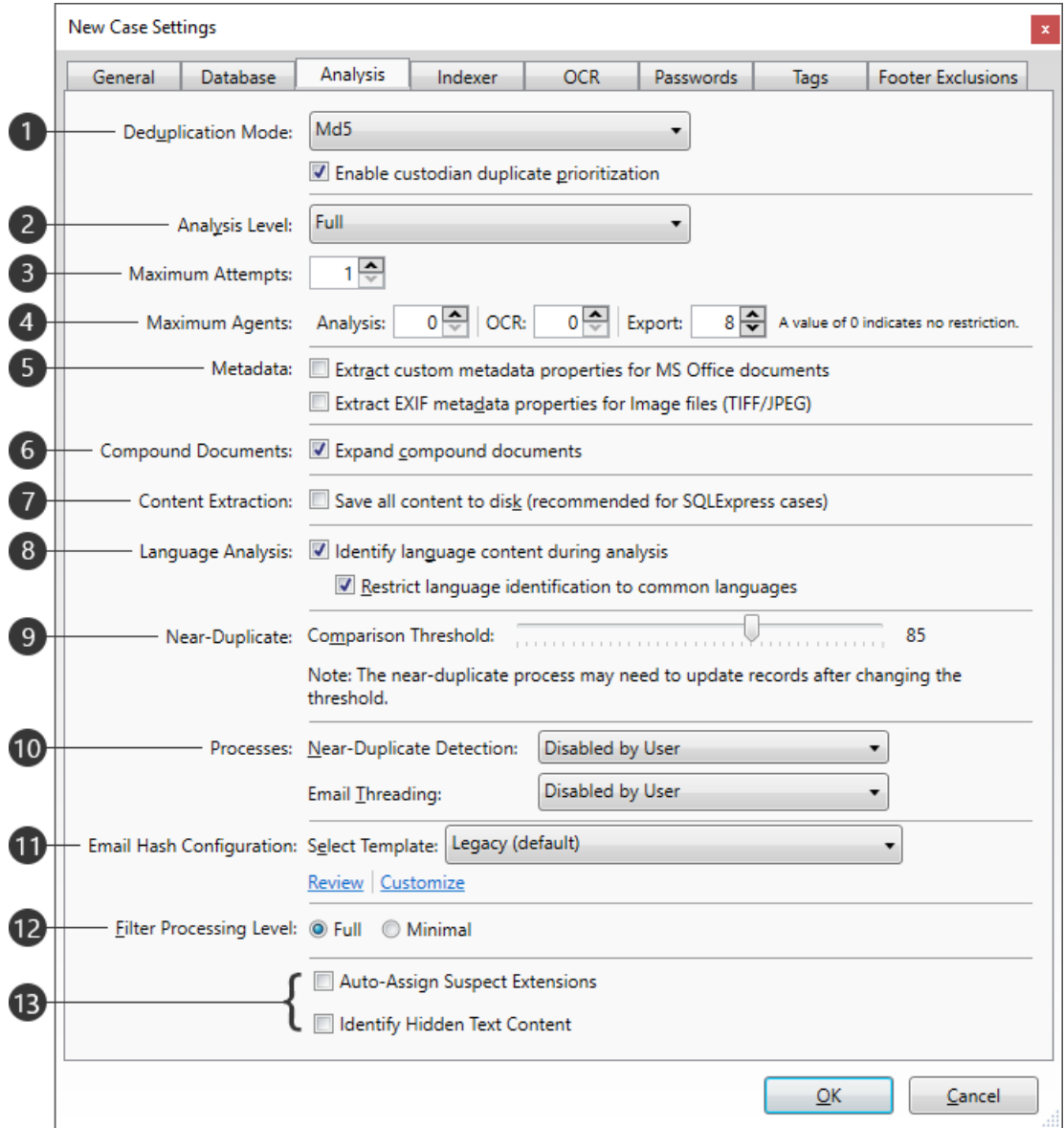
Buttons: OK, Cancel

	Setting	Description
1	Name	<p>Case names must be unique. After the case is created, you cannot edit the name.</p> <p>Case names are appended to the default Case Directory (4) path.</p>
2	Description	An optional description for this case.
3	Client	An optional client name/title. You can enter a new one or select an existing client from the drop-down.
4	Case Directory	<p>Defaults to the Home Directory established in your Environment Settings, appended with the Name (1) you provide.</p> <p>To share processing of cases among multiple computers, you must use a network path that is accessible to all computers participating in case processing. If this case will only be processed on the local computer, you can use a path to a local folder.</p> <p>This path <u>cannot</u> be edited after case creation.</p>
		Enabled by default. This setting does not affect a case's ability to be processed.
5	Case is active	Disable if this case is no longer in production, and to have the case display as "Inactive" in the

 If a local path is used for the **Case Directory** (4), you will see the  icon appear on the right, indicating that other clients may be prevented from connecting with this location.



	Setting	Description
1	Server	<p>Your SQL Server and instance name (ex. MyServer\SQLServer).</p> <p>Use "localhost" if your SQL Server runs on the same local machine.</p>
2	Database	<p>Automatically populated with the case name, followed by "-EDA". You can edit this name to whatever you choose, but it must be unique across all Explore cases using this database server.</p>
3	Use Windows Authentication	<p>Uses the current Windows user login to connect to the SQL Server.</p> <p>If unchecked, you must also provide a valid Login (4) and Password (5) with access to SQL Server.</p>
4	Login	<p>A username with access to the SQL Server.</p>
5	Password	<p>Password for the associated Login (4) with access to the SQL Server.</p>
6	Test Connection	<p>Validates the current Database settings. A message box will indicate the connection success or failure.</p>



Setting	Description
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<p>1 Deduplication Mode</p>	<p>Determines the hashing used to identify duplicates, from the following options:</p> <ul style="list-style-type: none">• MD5 - Uses a 128-bit string across all sources.• SHA1 - Uses a 160-bit string across all sources.• MD5Custodian - Uses a 128-bit string within each custodian.• SHA1Custodian - Uses a 160-bit string within each custodian. <p>Custodians are managed on the Import sub-tab from the Case Dashboard.</p> <p>Enable custodian duplicate prioritization - Determines whether you can customize the custodian priority for deduplication in the case. When selected, the Edit link is displayed next to the Duplicates filter on the case Filters tab. The Edit link opens the Custodian Deduplication Priority dialog box.</p>
<p>2 Analysis Level</p>	<p>Determines how content extraction is handled, from the following options:</p> <ul style="list-style-type: none">• Full - Performs content extraction. Allows full-text searching.• No Content - Skips content extraction. Does not allow full-content searching, but may improve performance.

3 Maximum Attempts	Sets the limit for processing attempts made during Analysis, ranging from 1 to 5 (max).
4 Maximum Agents	Sets the maximum number of services (agents) that can be running concurrently during the following processes: <ul style="list-style-type: none">• Analysis• OCR• Export These limits can be changed during processing.
5 Metadata	Extract custom metadata properties for MS Office documents - The following metadata will be extracted during import: <ul style="list-style-type: none">• Comments in Microsoft Word, Excel, and PowerPoint files• Tracked changes in Word and Excel files• Hidden rows and/or columns in Excel files• Hidden worksheets in Excel files• "Very hidden" worksheets in Excel files• Hidden slides in PowerPoint files

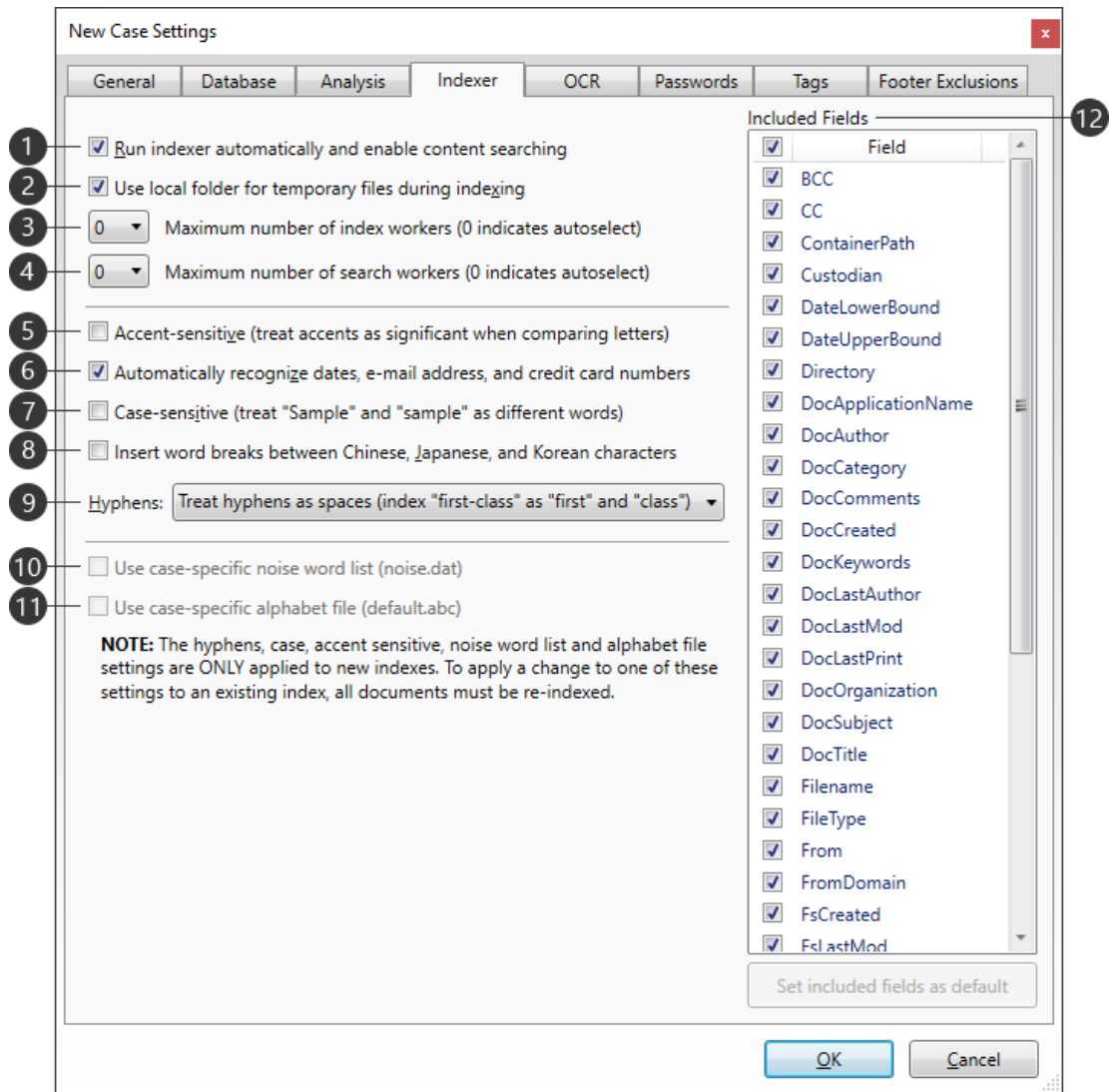
		<ul style="list-style-type: none"> • Speaker notes in PowerPoint files <p>Extract EXIF metadata properties for Image files (Tiff/JPEG) - Custom metadata properties (EXIF) from TIFF and JPEG files will be extracted during Analysis.</p>
6	Compound Documents	<p>Expand compound documents - Documents containing embedded files will be expanded and imported separately, treating embedded files as attachments to their parent document and making them search-able.</p> <p>Refer to the Extracting Compound Documents topic for more information.</p>
7	Content Extraction	<p>Save all content to disk - Prevents the storage of content directly within the Case Database. This setting can help to avoid reaching the maximum database size limitations imposed by SQL Express.</p>
8	Language Analysis	<p>Identify language content during analysis - Languages will be identified during the analysis phase of the file import process.</p> <p>Restrict language identification to common languages - Restricts language identification to common languages, which can help improve the overall accuracy.</p>


		<p>The first 200 MB of each document is analyzed to identify the language used.</p>
<p>9</p>	<p>Near-Duplicate</p>	<p>Comparison Threshold - Determines the minimum percentage of similarity to be considered when comparing case files during near-duplicate analysis. Can be adjusted to any value between 60 and 90 percent.</p> <p>When significant changes are made to this setting, the near-duplicate analysis will re-run automatically.</p> <p>For more information about the Comparison Threshold setting and near-duplicate analysis, refer to the Near-Duplicate & Email Thread Analysis and Running Near-Duplicate & Email Thread Analysis topics.</p>
<p>10</p>	<p>Processes</p>	<p>Near-Duplicate Detection - Determines when near-duplicate analysis will be performed for the case, from the following options:</p> <ul style="list-style-type: none"> • Start Automatically - Near-duplicate analysis will start automatically for new cases or when changes are made to the case data, such as changing the Comparison Threshold or importing additional files into the case.


	<ul style="list-style-type: none"> • Disabled by User - Near-duplicate analysis is disabled, and stopped if currently running. <p>Email Threading - Determines when email thread analysis will be performed for the case, from the following options:</p> <ul style="list-style-type: none"> • Start Automatically - Email thread analysis will start automatically for new cases or when changes are made to the case data, such as importing additional files into the case or deleting files from the case. • Disabled by User - Email thread analysis feature is disabled, and stopped if currently running. <p>For more information about near-duplicate analysis, refer to the Near-Duplicate & Email Thread Analysis and Running Near-Duplicate & Email Thread Analysis topics.</p>
<p>11 Email Hash Configuration</p>	<p>Allows users to determine which metadata fields are used when generating hash values for email comparison, both in terms of which fields are included and which order they are applied.</p> <p>Select Template - Select between various preconfigured hashing templates for use in the current case.</p>

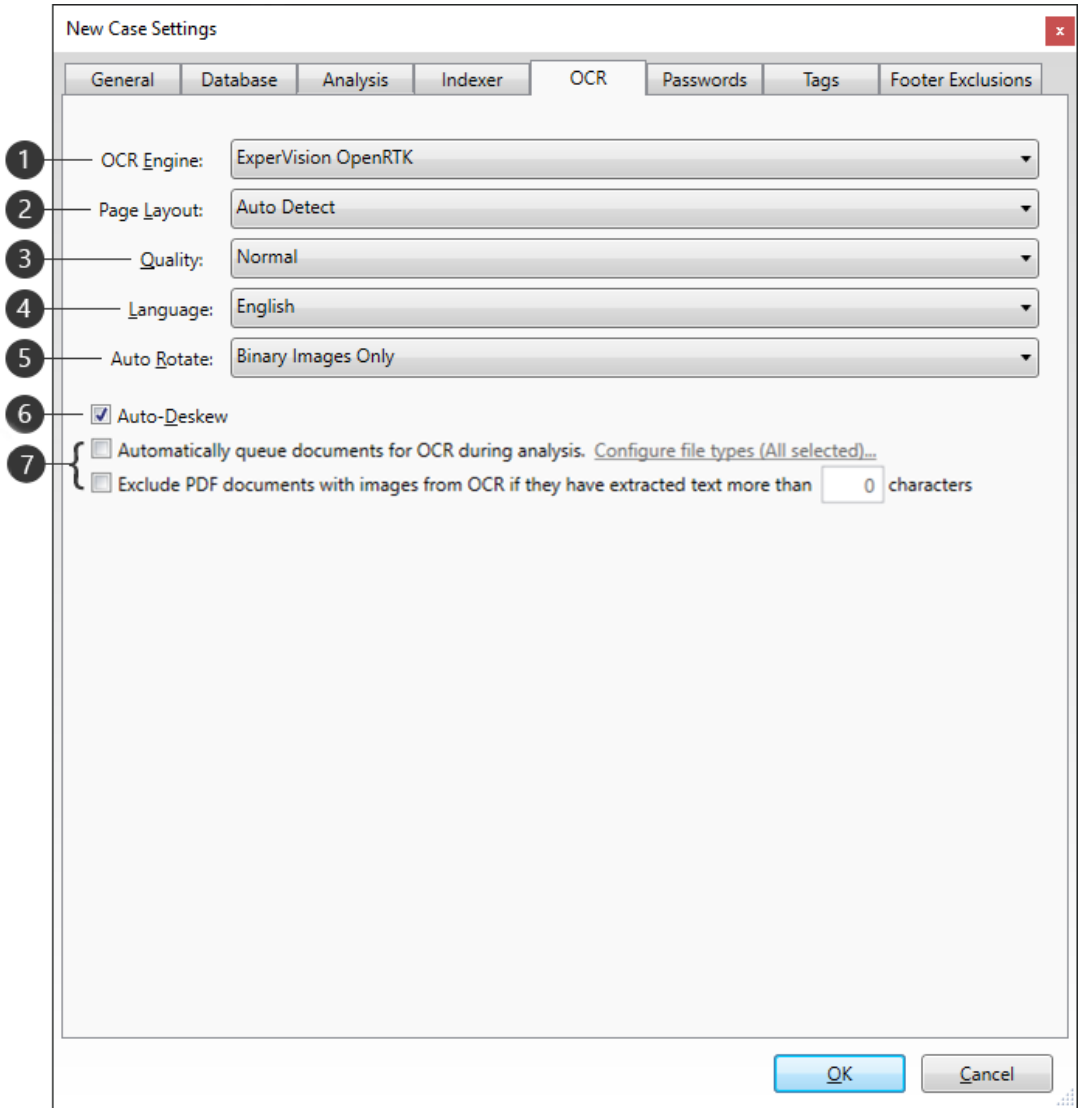
	<p>Review - Shows all available templates, along with the fields being used.</p> <p>Customize - Allows you to modify the selected template.</p> <p>Users <u>cannot</u> select a different template once importing has occurred, but the chosen template may be modified at any time, which will trigger a re-hashing of all emails in the case.</p>
<p>12 Filter Processing Level</p>	<p>Sets the amount of filters to be used in the case, from the following options:</p> <ul style="list-style-type: none"> • Full - Includes the following filters: File Hash Filter (NIST Items and Custom File Hash Items), Duplicate Document filter, Date Range Filter, File Type Filter, E-Mail Sender Domain Filter, and Language Filter • Minimal - Includes only the following essential filters, which will be run post-analysis: File Hash Filter (NIST Items and Custom File Hash Items), Duplicate Document filter <p>This setting <u>cannot</u> be changed once analysis has begun.</p>
<p>13</p>	<p>Auto-Assign Suspect Extensions - If this option is selected, the FileExtension field is populated with the source file type detected during import if the source file extension does not match</p>

	<p>that type. This option cannot be selected unless you have a File Type Management database configured.</p> <p>Identify Hidden Text Content - If this option is selected, during analysis, Explore identifies hidden text and provides it in the extracted text within <<<Start Hidden Content>>> and <<<End Hidden Content>>> markers. The HasHiddenText field will also be set.</p>
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	Setting	Description
1	Run indexer automatically and enable content searching	<p>Enables case indexing and content searching for the case. The indexer will run automatically when changes are made to the case.</p> <p> Disabling this feature will cause indexing and searching to become unavailable, but can help speed up processing times for the case. Attempting to run searches while in this state will cause errors, and attempting to run an export based on out-of-date tagged search queries will cause the export to fail.</p>
2	Use local folder for temporary files during indexing	<p>Instructs the indexer to use the local user's temporary folder for files that are too large to fit into memory. These temporary files are automatically deleted once finished. This is the recommended setting for cases on network drives, NAS, or SAN devices.</p>
3	Maximum number of index workers	<p>Determines the number of workers (agents) used for indexing, up to a maximum of 16.</p> <p>When 0 is selected, any machine performing indexing will use 1 worker per available processor core, with a limit of 8 workers. If a machine has more than 8 cores, then only a maximum of 8 workers will be used.</p>
		<p>Determines the number of workers</p>

 For more information about indexes, refer to the [Managing Indexes](#) topic.



	Setting	Description
1	OCR Engine	<p>Determines which engine is used to perform OCR, from the following options:</p> <ul style="list-style-type: none"> • ABBYY FineReader <ul style="list-style-type: none"> ○ Installed separately from CloudNine™ LAW and can be obtained by CloudNine when purchasing the ABBYY OCR license. ○ Supports foreign languages such as: Chinese, Japanese, and Korean (CJK) languages. ○ Able to run multiple instances on a single PC, one instance per CPU core. • ExperVision OpenRTK <ul style="list-style-type: none"> ○ Is included with the CloudNine™ LAW installer. ○ Limited to one instance per machine.
2	Page Layout	<p>Determines the page layout when performing OCR:</p> <ul style="list-style-type: none"> • Auto Detect - Automatically determines the layout of each page.

	Setting	Description
		<ul style="list-style-type: none"> • Single Column - Specifies that one column of text exists on each page. <u>Required for e-mail thread analysis.</u>
<p>3</p>	<p>Quality</p>	<p>Specify the type of print technology used to create the original documents, and the print quality of the scanned pages:</p> <ul style="list-style-type: none"> • Normal - Use this for pages printed with ink jet printers, laser printers, or offset lithography. • Normal (Degraded) - The same as Normal, but with degraded print/scan quality (ExperVision OpenRTK only). • Typewriter - (ABBYY FineReader only) • Dot Matrix - Use this for pages printed using dot matrix printers, such as from cash registers and ATMs. • Dot Matrix (Degraded) - The same as Dot Matrix, but with degraded print/scan quality (ExperVision OpenRTK only).

	Setting	Description
		<ul style="list-style-type: none"> • OCR A - OCR-A font is used in original documents (ABBYY FineReader only). • OCR B - OCR-B font is used in original documents (ABBYY FineReader only). • MICR - Magnetic Ink Character Recognition font is used in original documents (ABBYY FineReader only). <p>OCR performance may be reduced when using any option other than Normal for this setting.</p>
4	Language	<p>Used to specify which dictionary the selected OCR Engine (1) should use to perform OCR. If the correct language is not selected, then characters may not be properly recognized.</p> <p>When using ABBYY FineReader, English is automatically used as a second language if a non-English language is selected, and if all documents contain Unicode characters. Languages that share common characters and exist in the same document are also interpreted</p>

	Setting	Description
		correctly when any other similar language is selected.
5	Auto Rotate	<p>Determines when page images should be automatically rotated for OCR, from the following options:</p> <ul style="list-style-type: none">• Always ON - Pages are always rotated as needed.• Always OFF - Pages are never rotated.• Binary Images Only - Only pages with monochrome (black & white) images will be rotated. This can help prevent color or grayscale images with little or no text from being rotated improperly. Only available with the ExperVision OpenRTK engine.
6	Auto-Deskew	<p>Page images will automatically be deskewed before OCR is performed. This often leads to more accurate results. However, if documents contain graphics or diagonal lines, then this process may cause unexpected results.</p>

	Setting	Description
		<p>This feature is only available with the ExperVision OpenRTK engine.</p>
	<p>7 Automatically queue documents for OCR during analysis</p>	<p>OCR will automatically be performed on all documents being imported into the case during the analysis phase.</p> <p>Select what level you would like to exclude text level you would like to exclude items from the OCR process.</p> <p>Use the Configure file types link to open the Select file types to OCR window. From here, you can select which file types are included for automatic OCR. These selections do <u>not</u> affect the OCR File Types list on the OCR sub-tab of the Case Dashboard.</p>

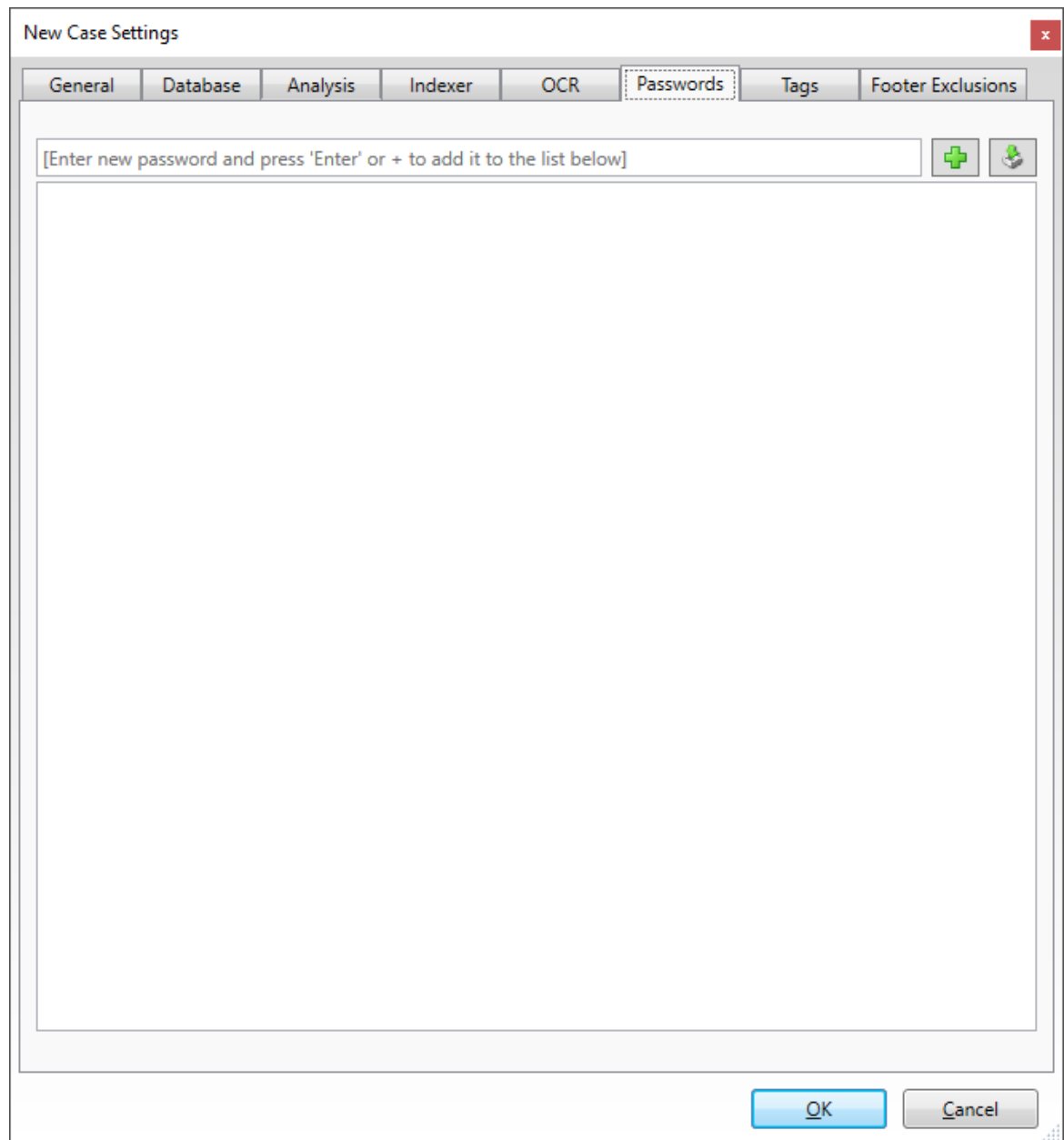
The **Passwords** tab allows you to enter any known passwords for password-protected files. This enables CloudNine™ Explore to analyze and extract both metadata and content from the protected documents. When a password for any password-protected file is added to the **Passwords** tab, the protected document's content will be visible in the content viewer within CloudNine™ Explore. Passwords can be manually added or imported from a line-delimited .txt file. Up to 500 passwords can be added to the **Passwords** tab.



Passwords are supported for Adobe Acrobat PDFs, Pkzip, Zipx, and 7zip archives, and Office files (i.e. PPT, PPTX, DOC, DOCX, XLS, XLSX).



All passwords are case-sensitive.



Add a Password

1. In the text field at the top left, type the password name.
2. Click the **Add** button (green plus sign). The password is added to the password list.

Load Passwords from a File

1. Click the **Import** button (top right). A Browse dialog opens.
2. In the **Select file containing passwords** browse dialog, select the password .txt file you want to import. Click **Open**.
3. A **Import Complete** message displays the number of passwords that were added. The passwords from the file are added to the password list.

Delete a Password

1. Select the password you want to delete in the password list.
2. Press the Delete key on your keyboard.
3. The selected password is removed from the password list.

In CloudNine™ Explore, tags can be applied to documents to help track, sort, and organize the documents in a case. For example: tags can be applied to documents that need to be converted to TIFF, produced to paper, and responsive documents. Users may even wish to tag documents that should be produced at a larger paper size or produced in color. This feature makes it easier for any project (scanned or electronic discovery) to be produced.

In CloudNine™ Explore, tags are created and maintained for a case on the **Tags** tab in the **New Case Settings** and **Edit Case Settings** dialog. **Tags** can be created by manually adding tags or importing tags from a line-delimited .txt file.

Tags in CloudNine™ Explore can be exported to a line-delimited .txt file. The exported tags can then be imported into other CloudNine™ Explore cases. Tags can also be exported from CloudNine™ Explore to CloudNine™ LAW. Tags are

automatically exported to and created in CloudNine™ LAW when a file containing tags is exported from CloudNine™ Explore to CloudNine™ LAW. For more information about exporting files, see [Exporting](#).

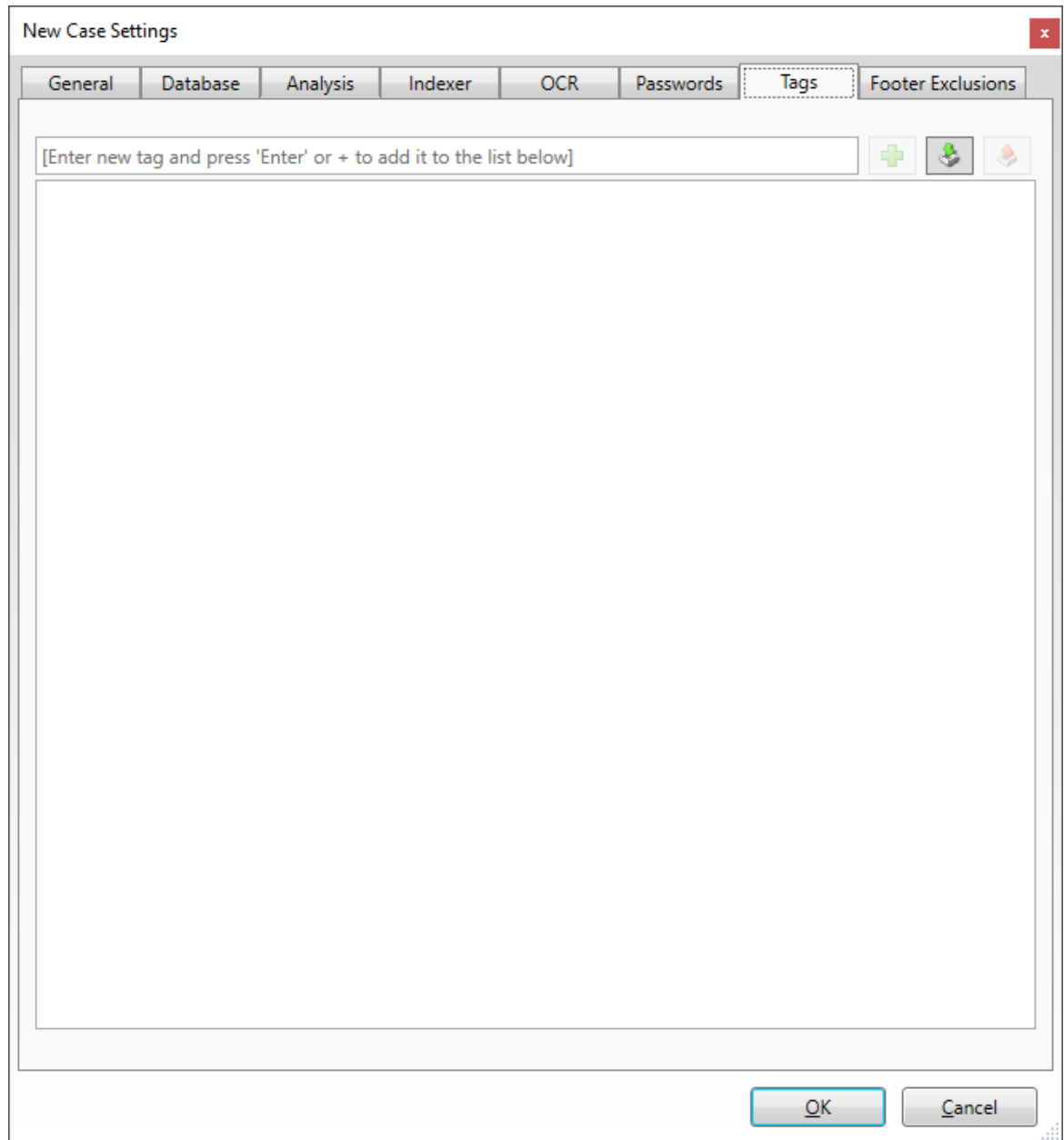
Tags are applied to individual files or file groups, such as files in a filter, search query, or exception category, on the **Filters**, **OCR**, **Search**, **Export**, and **Exceptions** tabs.

Tags created on the **Tags** tab are available for selection in the Document Tagging section at the bottom of the document preview pane on the **Filters**, **OCR**, **Search**, **Export** and **Exceptions** tabs and in the **Group Tagging** dialog on the **Filters**, **Search**, and **Exceptions** tabs.

For more information about applying tags, see [Tagging](#).



CloudNine™ Explore does not support Unicode® characters in tag names.



To Add a Tag

1. In the text field at the top left, type the tag name. Tag names can be up to 50 characters long.
2. Click the **Add** button (green plus sign). The tag is added to the tag list.

To Load Tags from a File

1. Click the **Import** button (middle button, top right). A Browse dialog opens.
2. In the **Select file containing tags** browse dialog, select the tag .txt file you want to import. Click **Open**.
3. A **Import Complete** message displays the number of tags that were added. Tags from the file are added to the tag list.

To Edit a Tag Name

1. Double-click the tag you want to edit in the tag list.
2. Update the tag name in the edit box.
3. Press Enter on your keyboard to save the change.

When you rename a tag that has been applied to documents, the tag name is automatically updated in the **Document Tagging** section at the bottom of the document preview pane on the **Filters**, **OCR**, **Search**, **Export**, and **Exceptions** tabs and in the **Group Tagging** dialog box on the **Filters**, **Search**, and **Exceptions** tabs.

To Delete a Tag

1. Select the tag you want to delete in the tag list.
2. Press the Delete key on your keyboard.
3. The selected tag is removed from the tag list.

When you delete a tag that has been applied to documents, the tag is automatically removed from the documents when the tag is deleted.



Any tag assigned as the primary tag or secondary tag in a review in CloudNine™ Explore Web cannot be deleted from CloudNine™ Explore Web or CloudNine™ Explore.

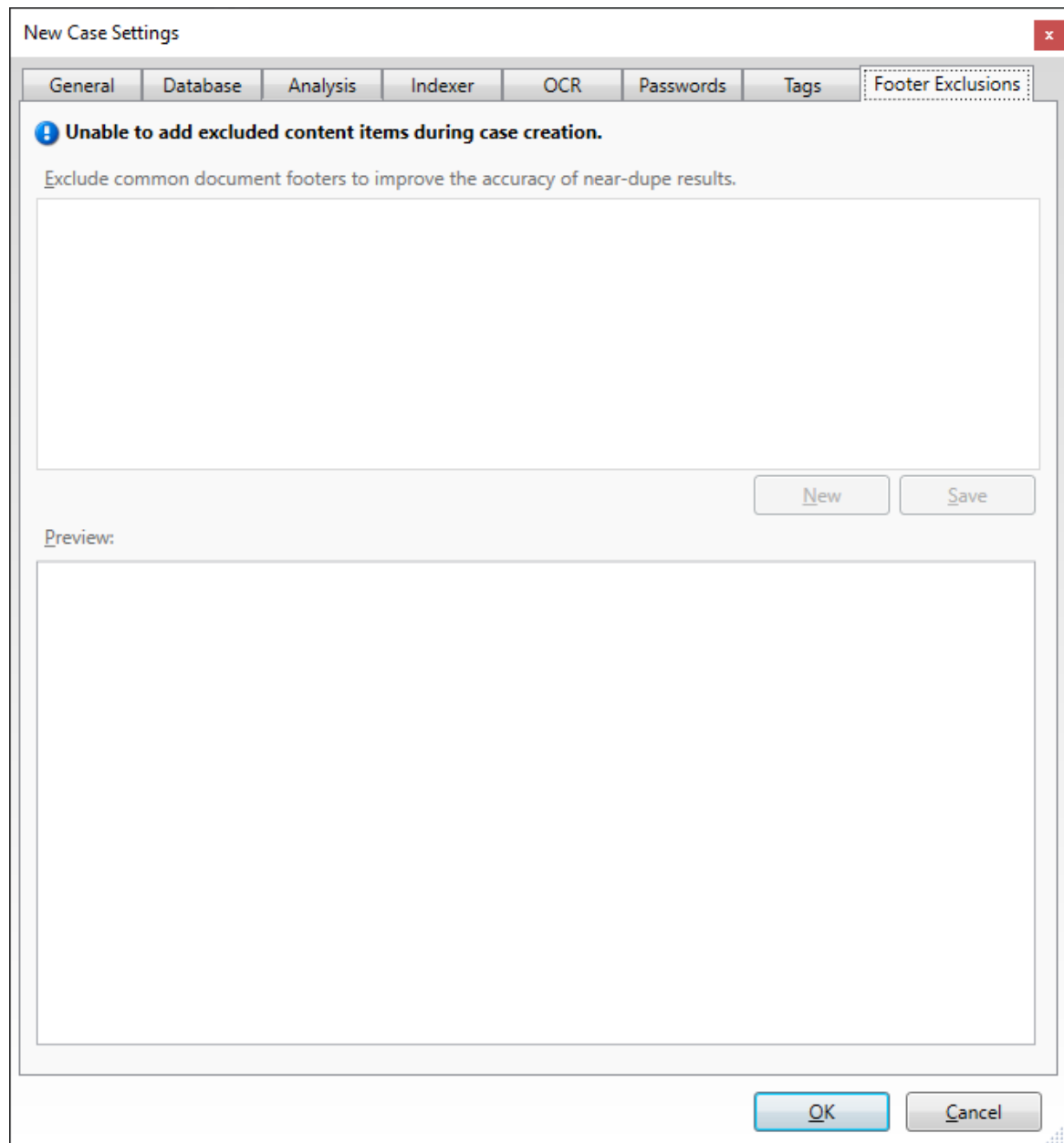
To Save Tags to a File

1. Click the **Export** button (top right). The **Save export file** dialog displays.
2. Browse to where you want to save the tag file, and in the **File name** field type the tag file name.
3. Make sure **Text File (*.txt)** is selected in the **Save as type** list, and then click **Save**. A message displays indicating the number of tags exported.
4. Click **OK** to close the dialog.

The **Footer Exclusions** tab is used to exclude repetitive content in e-mail messages (such as e-mail footers) during the near-duplicate analysis process. Content exclusions cannot be added to cases while the case is being created. Content added to the **Footer Exclusions** tab is only excluded from the near-duplicate analysis process, and does not affect the actual content in e-mail messages. To add content exclusions to the case, see [Running Near-Duplicate & Email Thread Analysis](#).



Content exclusions cannot be added to cases while the case is being created. When you click the **Footer Exclusions** tab in the **New Case Settings** dialog, the following message is displayed:
Unable to add excluded content items during case creation.

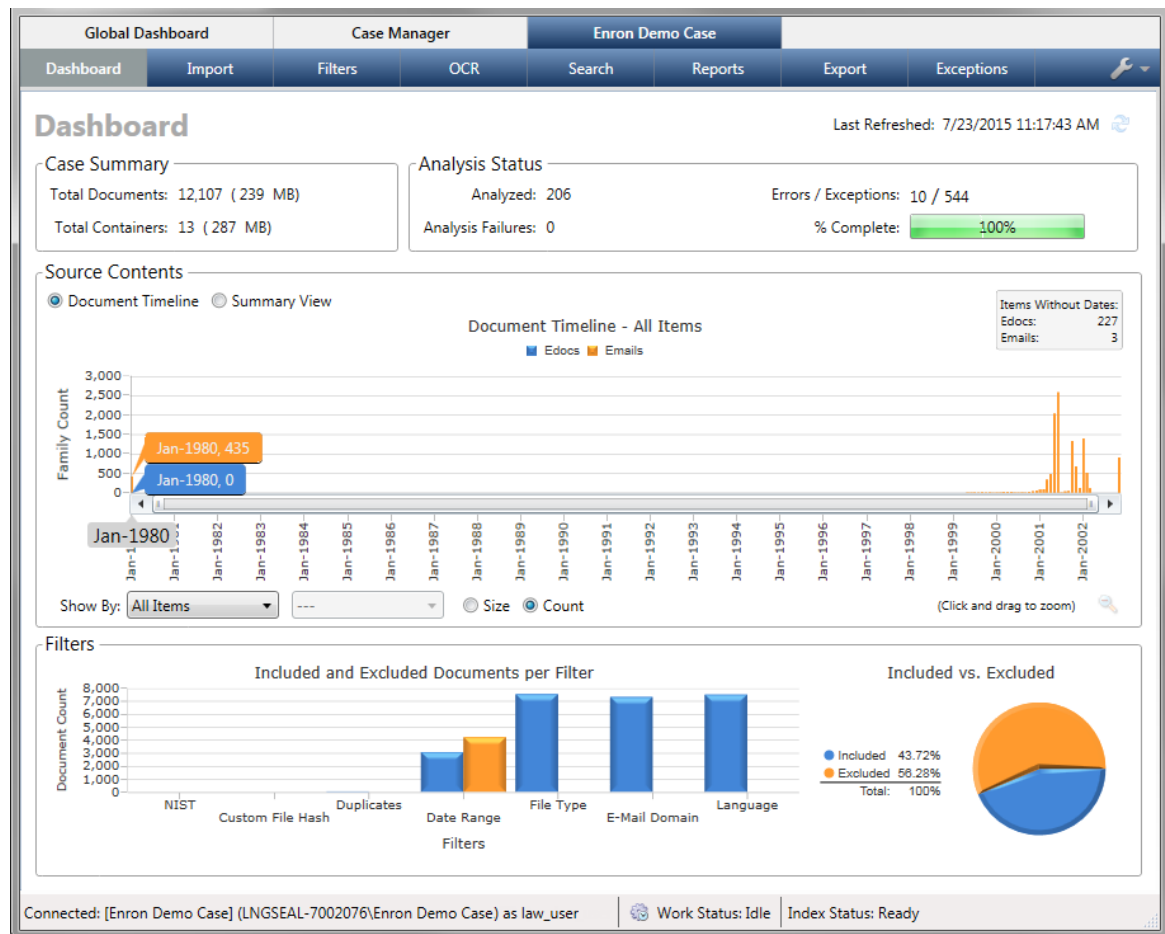


Case Dashboard

Within a top-level case tab in CloudNine™ Explore, you can access the Case Dashboard by selecting the **Dashboard** sub-tab. The Case Dashboard provides a summary of case metrics and other information for the selected case.

There are 4 main areas in the Case Dashboard.

- **Case Summary** - Located at the upper left of the **Dashboard**. It provides the following information:
 - **Total Documents** - The total number of all documents in a case (excluding container items) with the total family size of these documents in parenthesis.
 - **Total Containers** - The total number of container files (such as mail store .pst, .nsf files, archive .zip files) in the case.
- **Analysis Status** - Located at the upper right of the **Dashboard**. It provides the following information:
 - **Analyzed** - The number of files analyzed.
 - **Analysis Failures** - The number of failed analysis operations on individual files.
 - **Errors/Exceptions** - The number of processing errors that occurred.
 - **% Complete** - The current status of processing in terms of completed documents.
- **Source Contents** - Located in the center of the **Dashboard**. This section provides a document timeline for the case, and a bar chart representing the number of each file type in all committed sources. The Source Contents section defaults to the **Document Timeline** view (radio button at upper left of Source Contents). More information about the **Document Timeline** and **Summary View** is detailed below.
- **Filters** - Located in the bottom section of the Dashboard. The **Filters** area provides a bar chart representing the number of items for each filter type. This area also provides a pie chart comparing the percent of items included after filtering versus items remaining/excluded. You can place your cursor over the blue included sections or orange excluded sections of the bar chart to view the number of files included or excluded for a specific filter. Putting your cursor over the blue or orange sections of the pie chart shows the total number of files included or excluded.



Source Contents Document Timeline

The **Document Timeline** view provides a histogram of the documents imported into the case over time, which helps identify gaps in the case's files and shows trends in the case's data volume. By default, the date range is displayed in monthly increments. If the date range is greater than 10 years, the chart will default to yearly increments.

Blue bars represent electronic documents, and the orange bars represent email messages. The **Show By** drop-down allows you to view the histogram for All Items, a specific **Custodian**, or an **Import Session**. The **Size** and **Count** options allow you to determine whether the bars in the histogram represent the document family sizes in megabytes (MB) or the document family counts. The **Items Without Dates**

displayed at the top right lists the total document count or size of the electronic documents and email messages in the case that do not contain dates, and are not included in the document timeline results.



Mail store files such as .pst and .nsf files, archive files such as .zip files, and forensic images such as .E01 or DD/RAW files, are not included in the **Document Timeline** results.

- To view the **Document Timeline** for all case files, make sure **All Items** is selected in the **Show By** drop-down (**Show By** defaults to **All Items**).
- To view the **Document Timeline** for a specific custodian, select Custodian in the **Show By** drop-down. Then select the custodian of your choice in the drop-down to the right of **Show By**. You can only view the **Document Timeline** for one custodian at a time.
- To view the **Document Timeline** for a specific import session, select **Import Session** in the **Show By** drop-down. You can only view the **Document Timeline** for one import session at a time.
- To view the **Document Timeline** by document family count, select the **Count** radio option. **Count** is selected by default. When **Count** is selected, the graph displays the **Document Timeline** by document family count, and the **Items Without Dates** box displays the **E-Docs** and **Emails** values by total document count.
- To view the **Document Timeline** by document family size, select the **Size** radio option. When **Size** is selected, the graph displays the **Document Timeline** by document family size, and the **Items Without Dates** box displays the **E-Docs** and **Emails** values by total document size. Both the document family sizes and the total document sizes are displayed in megabytes (MB).
- To magnify a specific section of the **Document Timeline**, click and drag your mouse over the area you want to magnify. When you release your mouse button, the highlighted area is magnified.
- The slider at the bottom of the graph can be used to navigate through the dates represented in the graph, as well as change the zoom level of the graph. Click the **graph box** in the slider, and drag the slider left for older dates or right

for more recent dates. To change the zoom level using the slider, click and drag the left or right side of the slider to the left or right, depending on which side of the graph you want to magnify and the zoom level you want to view. The zoom level is maximized by default.

- To reset the graph back to its default zoom level, click **Reset Zoom** (magnifying glass) in the lower-right corner of the **Source Contents**.
- To view the **Size** or **Count** value for a specific bar in the graph, place your mouse pointer over that bar.

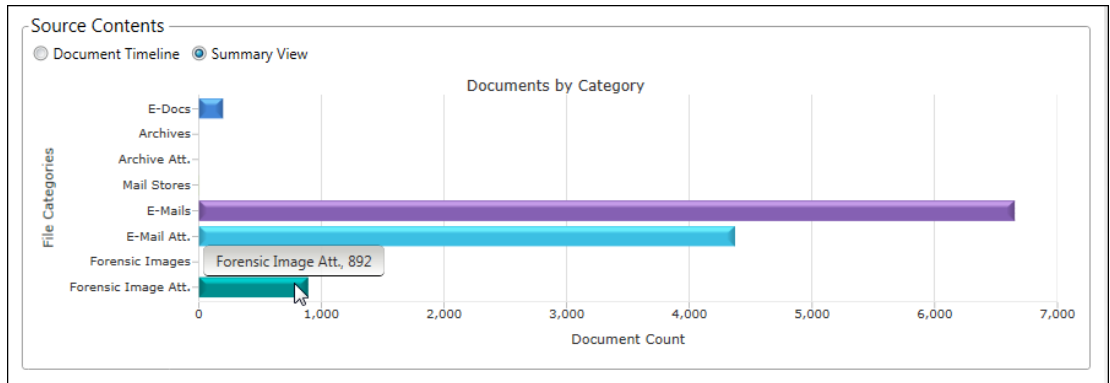
When **All Items** is selected from the **Show By** list, the **Items Without Dates** box displays the total document count or size of the electronic documents and email messages in the case that do not contain date metadata, and are not included in the **Document Timeline** results.



If **Custodian** or **Import Session** is selected from the **Show By** list, the **Items Without Dates** section only shows the values for the selected custodian or import session, not the entire case. Also the **Size** or **Count** value displayed for a specific bar in the graph is only for the selected **Custodian** or **Import Session**.

Source Contents Summary View

The **Summary View** bar chart displays the number of files imported into the case by file type category. Each file type category is represented by a unique color on the bar chart. Place your mouse over a bar in the chart to view the specific document count for the file type category.



Refresh the Case Dashboard

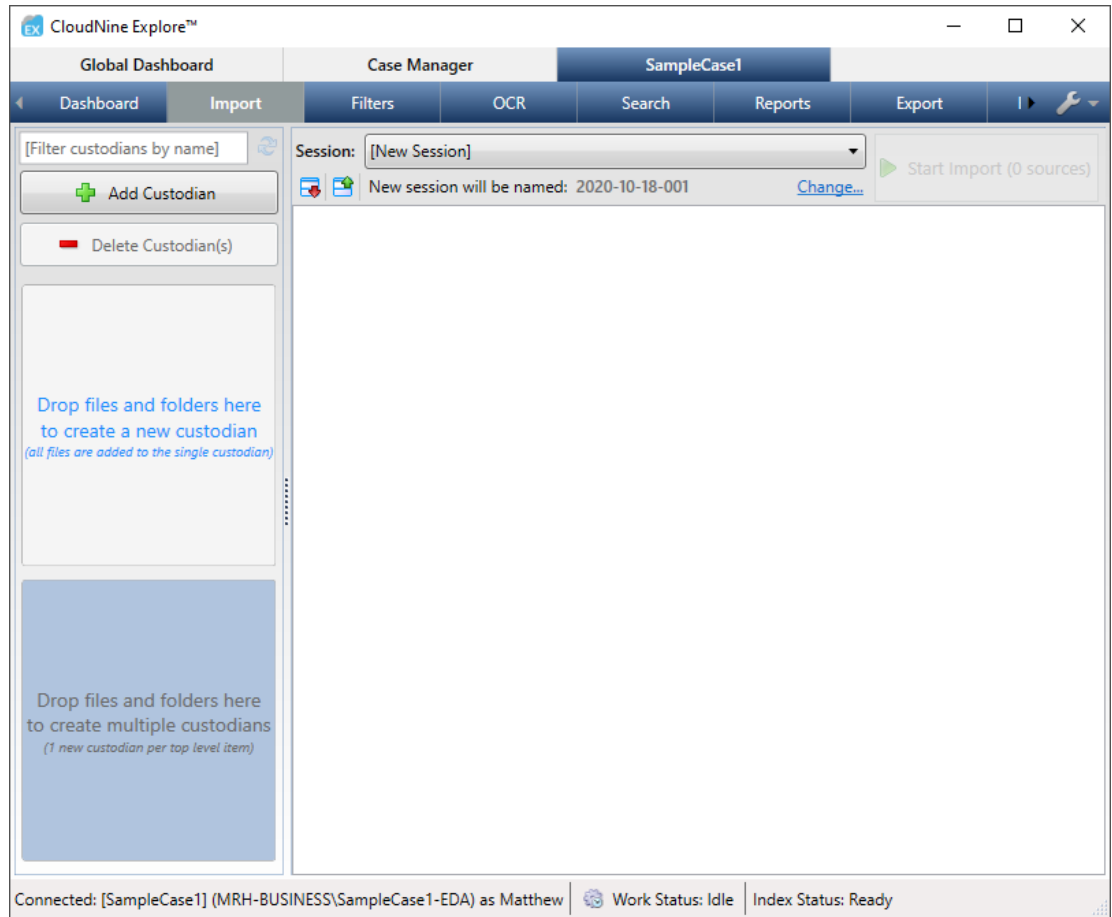
The Case Dashboard page is automatically refreshed each time you open the page. The date and time the page was last refreshed is displayed in the **Last Refreshed** field in the upper right.

If you are viewing a case's information on the **Dashboard**, and changes are made to the case while you are viewing the **Dashboard**, you can update the **Dashboard** with the latest case information by manually refreshing. To refresh, click the refresh button to the right of the **Last Refreshed** date.

Import

After you create a case in CloudNine™ Explore, the next step is to import files into your case. The importing process itself consists of two steps:

1. Adding custodians and document sources.
2. Committing custodians to processing.



Custodians

In CloudNine™ Explore, sets of files identified for import are organized by custodian. A custodian can point to one or more individual files, folders, disk volumes, or network shares. For example, within a case you can create one custodian that points to a particular mail store, create another custodian that points to a particular folder, and create a third that points to a series of individual files and folders from various places in a file system.

You can work with custodians the following ways:

- **Create custodians, add sources, and start processing.** You can create an individual custodian and then add sources to it. Or you can simultaneously

create many custodians at one time by using drag and drop. After you set up a custodian, you can commit it for processing and then continue to set up other custodians as needed.

- **Assign an import session label to custodians.** CloudNine™ Explore automatically assigns an import session label to each custodian and source imported into CloudNine™ Explore. You can assign new or existing import session labels to custodians and sources.
- **Rename custodians.** By default, the custodian name is taken from the name of the item as it appears in the file system.
- **Delete custodians.** You can remove a custodian from a case.
- **View custodian statistics.** During or after a custodian is being processed, you can view such information as the number and types files it contains, its size, and other statistics.
- **Manage the custodian list.** You can configure the custodian list for a case to collapse or expand the details of all custodians at one time. You can also filter the custodian list by typing the leading characters of the custodian name.
- **Delete sources from a custodian.** After custodians are committed, you can remove any source registered to a custodian.




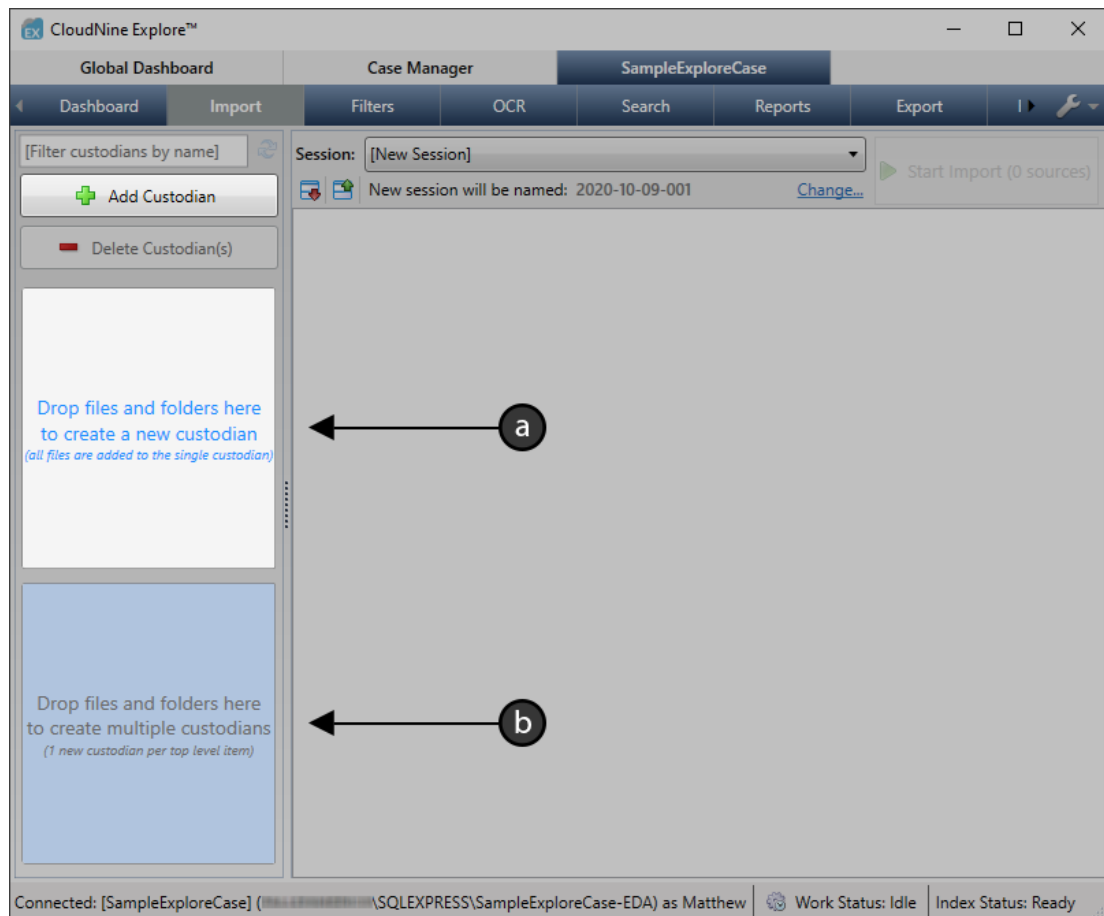
How to Add Sources to an Import Session

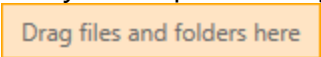
A Knowledge Based Article on this subject can be found here: [Adding Sources to an Import Session \(cloudnine.com\)](#)

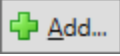

1. From the **Case Manager** tab, double-click on the desired **Case** to open it, and then navigate to **Import** sub-tab.
2. Using a Windows File Explorer, drag and drop the desired source files/folders onto one of the two available panes on the left:
 - a) Use the **Top** pane to create a **Single Custodian** for all sources.

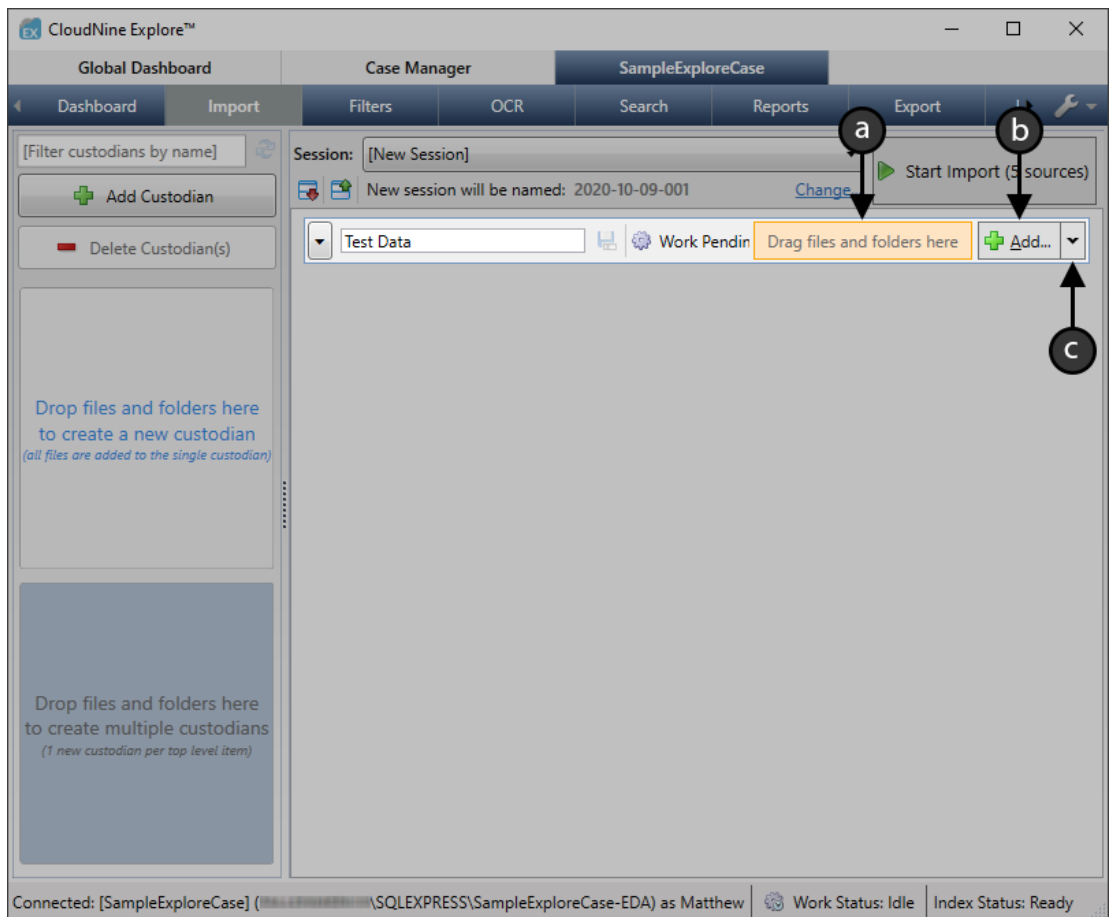
b) Use the **Bottom** pane to create **Multiple Custodians**, one for each top-level source.

3. You can also use the  button at the top-left to create **Blank Custodians** instead.



4. Once at least one **Custodian** has been created, you can add sources directly into any custodian in the following ways:
- From any File Explorer, drag and drop the desired source files/folders onto the  target area.

- b) Click the  button to open the **Browse For Folder** window, which will help you navigate to and select individual source folders to add.
- c) Click the  button and select **Add Files...** from the drop-down to open a File Explorer, which will help you navigate to and select source files/folders to add.



5. When you're finished adding sources, you'll be ready to take the following actions as desired:
 - a) **Remove Sources from the Import Session** (see below).
 - b) [Change the Import Session Label/Name.](#)

- c) Click **Start Import** at the top-right to begin importing any uncommitted sources.




Once the import has started, all sources will become permanently committed to their respective custodians.



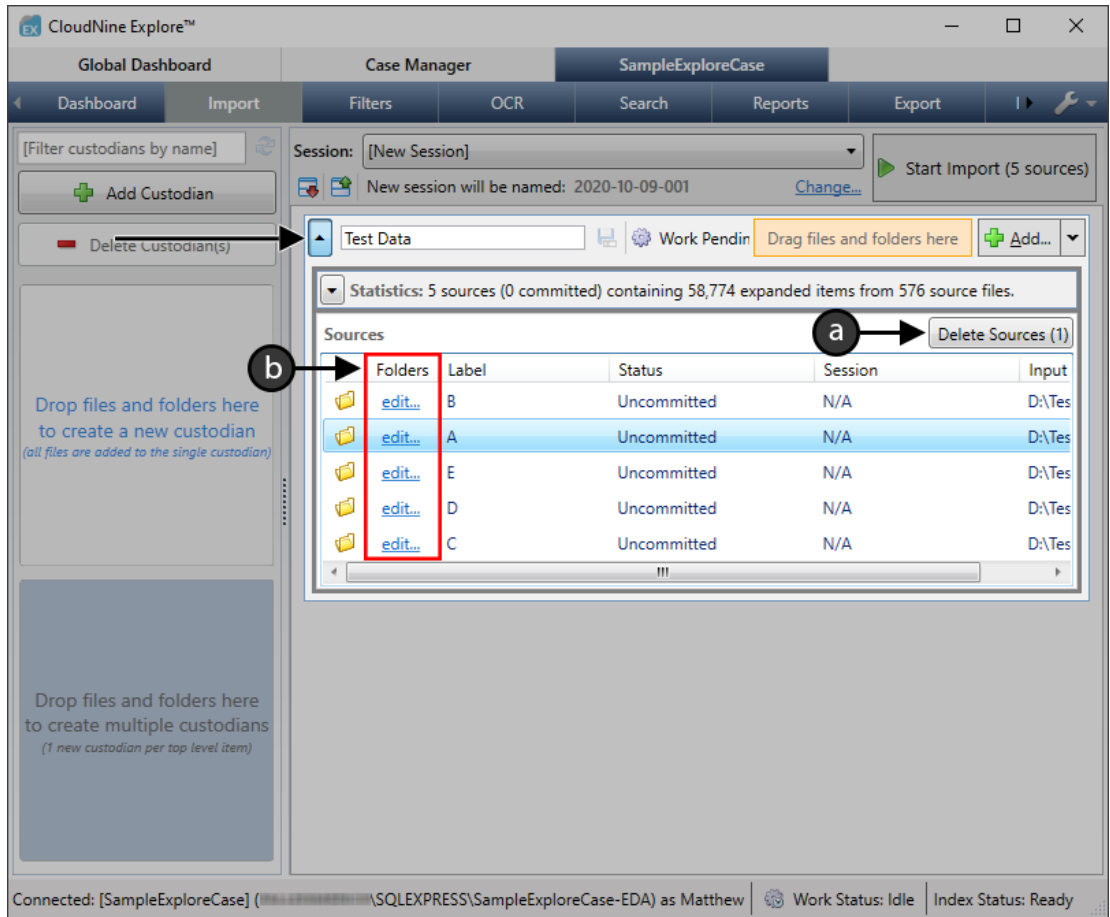
How to Remove Sources from an Import Session

A Knowledge Based Article on this subject can be found here:
[Removing Sources from an Import Session \(cloudnine.com\)](#)


1. **Add Sources to an Import Session** (see above).
2. Expand whichever **Custodian** contains the desired sources by clicking the  button.
3. From here, you can remove sources in the following ways:
 - a) Select any top-level source(s) you want to completely remove, and then click the **Delete Sources** button. This can also be done after sources have been committed.
 - b) Click the **edit...** link under the **Folders** column for any top-level source to open the **Folder Selection** window. From here, you can exclude individual sub-folders from that source.

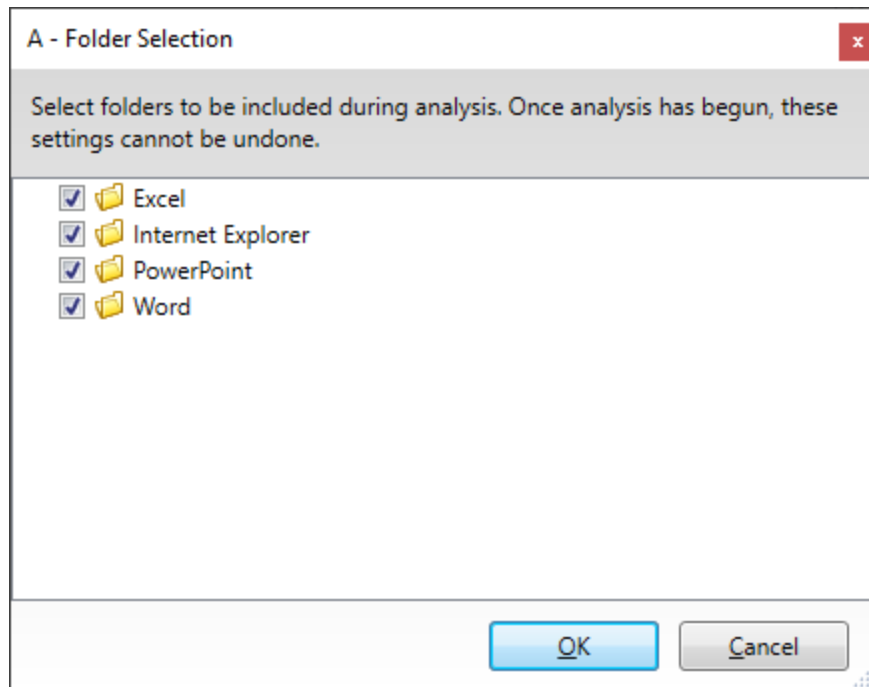


Once sources have been committed to a custodian, the **edit...** link changes to a **view...** link, and you will be unable to change sub-folder selections.



4. Within the **Folder Selection** window, use the check-boxes to deselect any individual sub-folders that you want excluded, and then click **OK** to save any changes.

 Once sources have been committed to a custodian, the **Folder Selection** window becomes read-only.



5. When you're finished removing sources, you'll be ready to take the following actions as desired:
 - a) [Change the Import Session Label/Name](#)
 - b) Click **Start Import** at the top-right to begin importing any uncommitted sources.

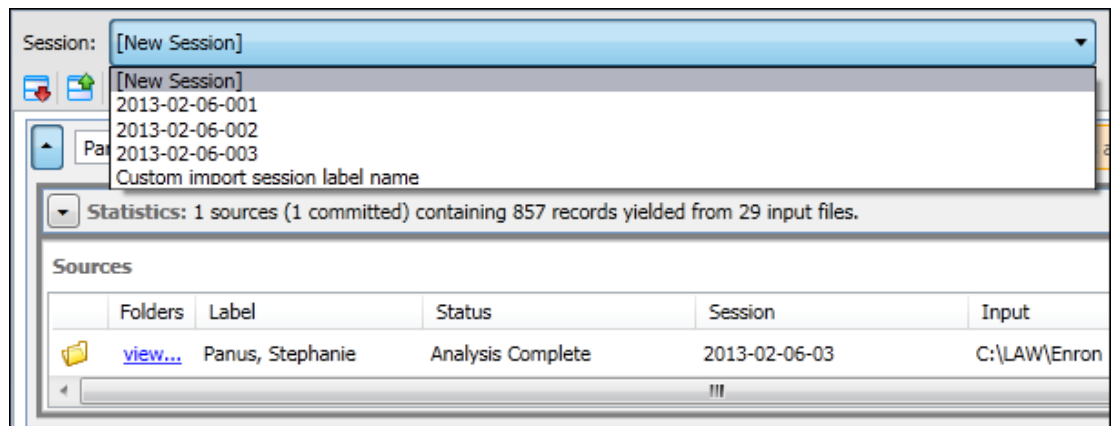


Once the import has started, all sources will become permanently committed to their respective custodians.

When sources are imported into a case from the Import tab, an import session label is applied to the custodian and all imported sources. You can customize the import session label, or have CloudNine™ Explore automatically generate one. By default, CloudNine™ Explore automatically generates import session labels using

the following format: YYYY-MM-DD-###. Custom import session labels can be up to 100 characters and must be unique to the case.

If you are importing sources into a case at different times, you can choose to assign a new session label each time you import sources, or select an existing import session label. When you select an existing import session label, the existing session label is applied to the new sources you are importing and the new sources are appended to the previously imported sources.



If you have CloudNine™ Explore generate the import session labels, when you import sources multiple times on the same day, the session label date remains the same, but the session label number is appended. For example, the first time you imported sources into a case, the session label 2016-02-06-001 was applied to the imported sources. The second time you imported sources into the case using the same session label on the same day, the session label 2016-02-06-002 is applied to the new imported sources.

Import session labels applied to imported sources are written to the **ImportSessions** field in the database. Sources imported before the Session list was implemented in CloudNine™ Explore are automatically assigned the **LegacySession** label. You can search by import session labels under the **ImportSessions** field from the **Guided Search** tab on the **Search** tab of CloudNine™ Explore. You can only search import session labels for files imported into CloudNine™ Explore version 1.3.x or later, not **LegacySession** import session labels. For more information about searching by import session labels, see [Running Searches](#).

On the **Import** tab, the session label applied to a source is displayed in the **Session** column in the **Sources** box. Before a source is committed, N/A is displayed in the **Session** column for the source.

Import session labels are not deleted when sources and custodians are deleted from a case.

The first time you open the **Import** tab during a CloudNine™ Explore session, the **Session** list defaults to **[New Session]** and the default import session label to be applied during the next import session is displayed in the **New session will be named** field.

Once an import session has been completed during a CloudNine™ Explore session, the **Session** list defaults to the last import session label that was applied.

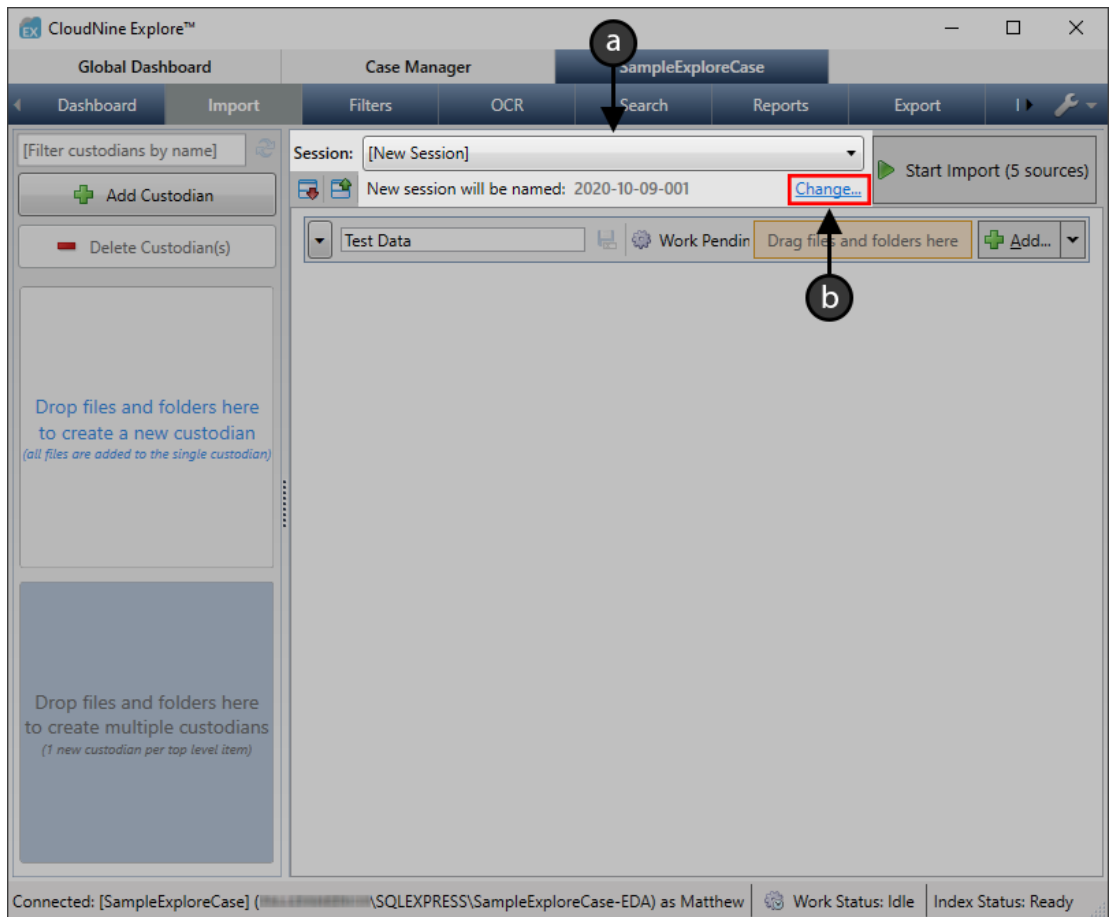


How to Change the Import Session Label/Name

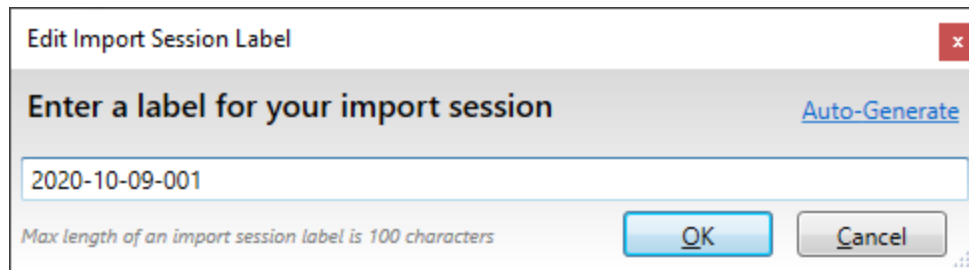
A Knowledge Based Article on this subject can be found here:

[Changing the Import Session Label/Name \(cloudnine.com\)](https://cloudnine.com/knowledge-base/changing-the-import-session-label-name)

1. From the **Case Manager** tab, double-click on the desired **Case** to open it, and then navigate to **Import** sub-tab.
2. From here, there are two ways to change the **Session** name:
 - a) Use the **[New Session]** drop-down to select a previous session label. The selected session will be appended.
 - b) Click the **Change...** link to open the **Edit Import Session Label** window, allowing you to enter a new session name.



3. From the **Edit Import Session Label** window, enter a new session name into the box provided, and then click **OK** to apply it.
4. You can also click the **Auto-Generate** link at the top-right to let **Explore** choose a suitable name, based on the current date and number of completed sessions.



Edit Import Session Label

Enter a label for your import session [Auto-Generate](#)

2020-10-09-001

Max length of an import session label is 100 characters

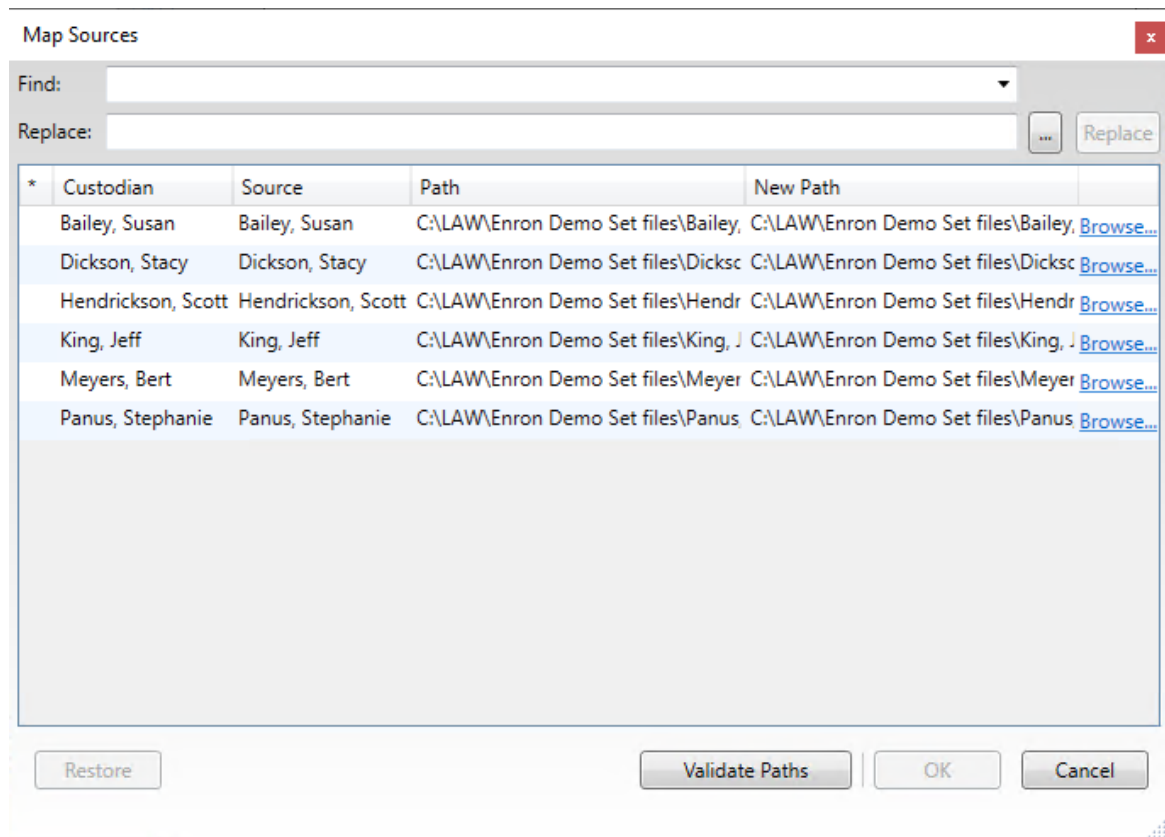
OK Cancel

5. Once the desired session label is set, you'll be ready to take the following actions as desired:
 - a) [Add Sources to the Import Session](#)
 - b) [Remove Sources from the Import Session](#)
 - c) Click **Start Import** at the top-right to begin importing any uncommitted sources.



Once the import has started, all sources will become permanently committed to their respective custodians.

When files are imported into cases in CloudNine™ Explore, each imported file is automatically mapped to its source file and source file directory. If the source files for Explore cases change or need to be moved, you can update the source file mapping using the **Map Sources** feature.



Changing Individual Source Mappings

1. Click the **Case Manager** tab.
2. Double-click the case containing the source mappings you want to change.
3. Click the down arrow next to the tool icon (wrench), located in the upper-right corner of CloudNine™ Explore, and select **Map Sources**. The **Map Sources** dialog displays. By default, the **Path** and **New Path** columns display the original source directory until the source mapping is changed.
4. Edit the New Path for the source mapping you want to change. You can click directly on the **New Path** value and edit, or click **Browse** on the right to edit via the **Browse For Folder** dialog. The source files must exist in the new directory for the new directory to be valid. Modified source directories will display with an asterisk until the mapping has been updated.

5. Click **Validate Paths** to verify the selected source paths.
6. If the paths are valid, a Validation Passed message displays. Click **OK** to close the message. If the paths are not valid, a Validation Failed message displays. Click **Yes** to view the error(s). Source mapping errors are logged to the **ValidateSourcesLog.txt** file.
7. Click **OK** to save your changes and close the **Map Sources** dialog box.




If you want to change the **New Path** column back to the source directory in the **Path** column, click the **Restore** button. The **Restore** button is only enabled until you click the **OK** button in the **Map Sources** dialog box. Once you click **OK**, the new source directory is permanently saved for the source and cannot be undone.

Changing All Source Mappings

1. Click the **Case Manager** tab.
2. Double-click the case containing the source mappings you want to change.
3. Click the down arrow next to the tool icon (wrench), located in the upper-right corner of CloudNine™ Explore and select **Map Sources**. The **Map Sources** dialog displays.
4. In the **Find** list, enter or select the shortest common path for the sources you want to update. The **Find** list contains the shortest common paths found for all of the sources in the case.
5. In **Replace**, enter the new source directory for all of the sources in the **Find** path. The source files must exist in the new directory for the new directory to be valid.
6. Click **Go**. The new source directory is added to the **New Path** column for each of the appropriate sources. Modified source directories will display with an asterisk until the mapping has been updated.

7. Click **Validate Paths** to verify the updated source paths.
8. If the paths are valid, a Validation Passed message displays. Click **OK** to close the message. If the paths are not valid, a Validation Failed message opens. Click **Yes** to view the error(s). Source mapping errors are logged to the **ValidateSourcesLog.txt** file.
9. Click **OK** to save your changes and close the **Map Sources** dialog box.

 Both **Find** and **Replace** are case-sensitive.

 If you want to change the **New Path** column back to the source directory in the **Path** column, click the **Restore** button. The **Restore** button is only enabled until you click the **OK** button in the **Map Sources** dialog box. Once you click **OK**, the new source directory is permanently saved for the source and cannot be undone.



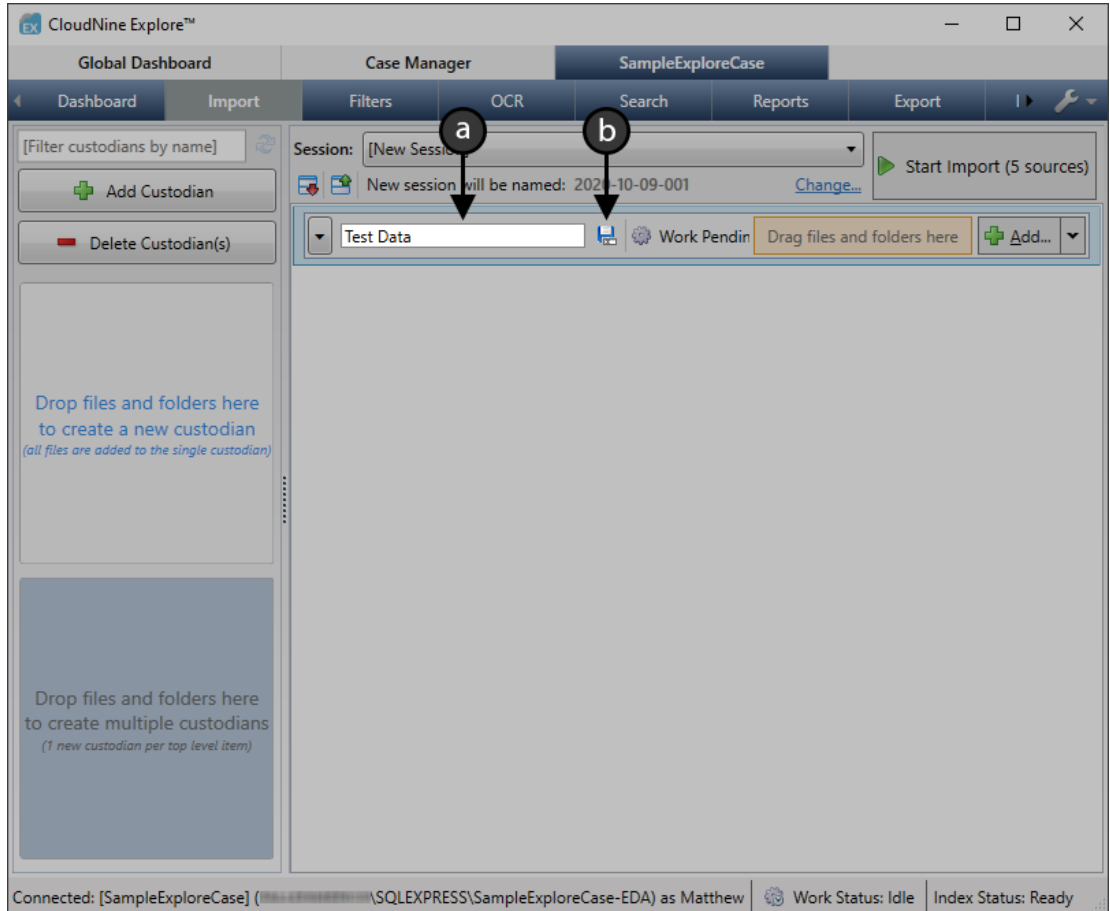
How to Rename or Delete Custodians


A Knowledge Based Article on this subject can be found here:

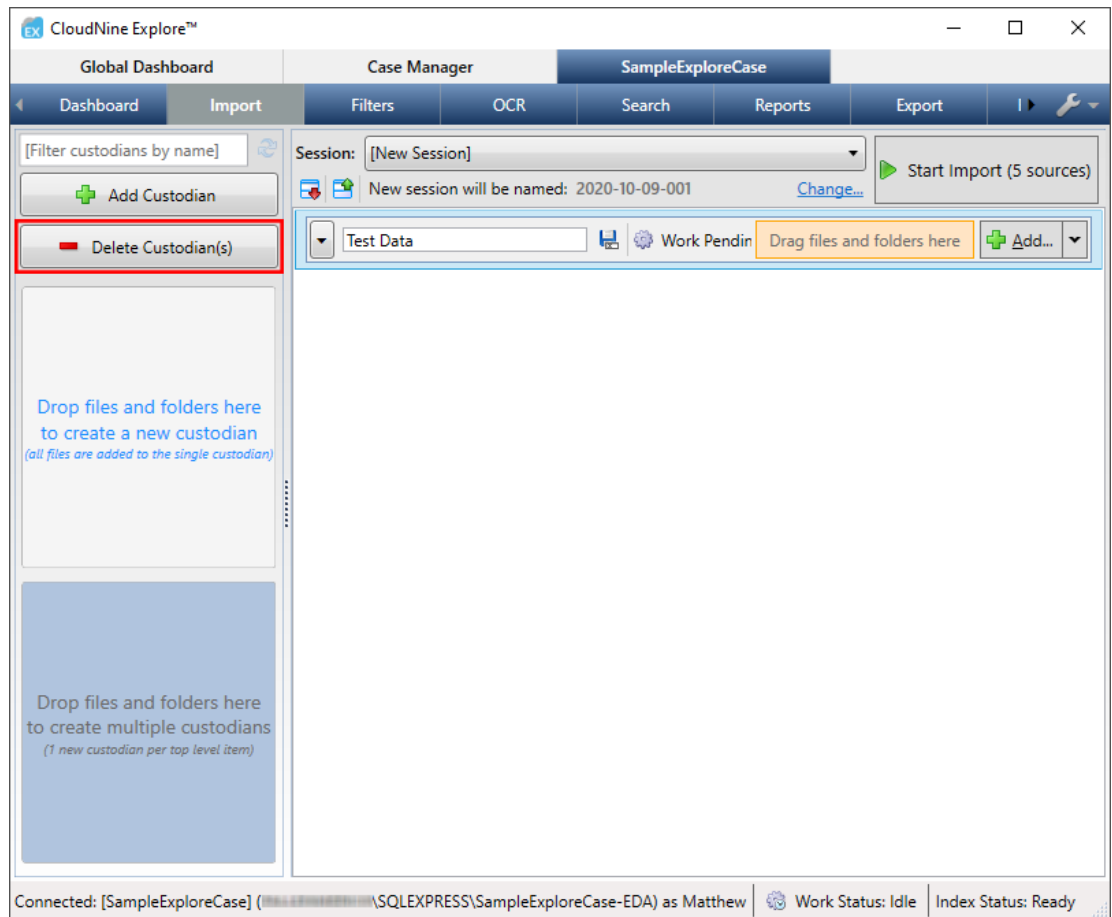
[Renaming or Deleting Custodians \(cloudnine.com\)](https://cloudnine.com)

1. From the **Case Manager** tab, double-click on the desired **Case** to open it, and then navigate to **Import** sub-tab.
2. **Renaming Custodians:** Select the desired custodian, and do the following:
 - a) Enter a new name into the box provided. There is a 100 character limit for custodian names.
 - b) Click the **Save** button to apply this name change.

- If the custodian contains committed sources, select **Yes** at the **Confirm Custodian Rename** prompt to automatically rebuild the case index.





- Deleting Custodians:** Select the desired custodian(s), and click the  button.
- At the **Delete Items** prompt, select **Yes** to permanently remove the selected custodians and their sources from the case.




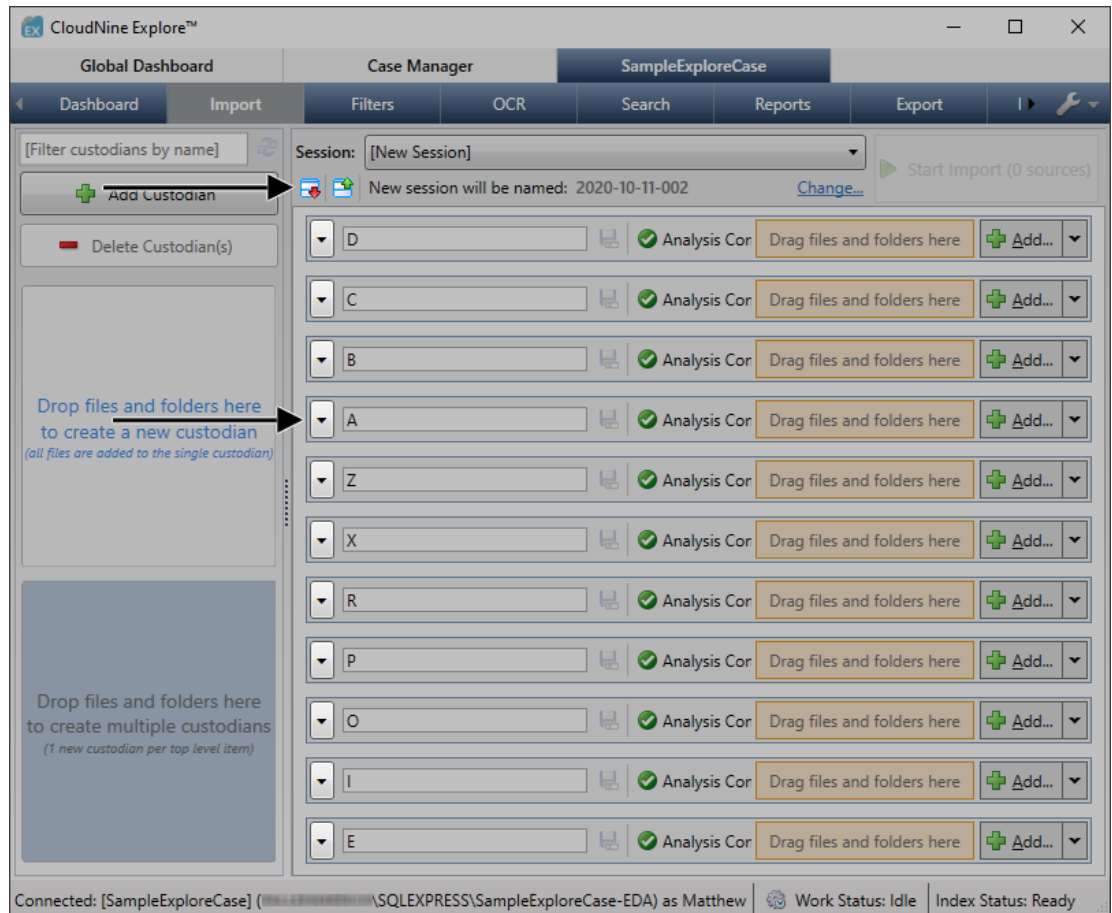
How to Review Custodians

A Knowledge Based Article on this subject can be found here:

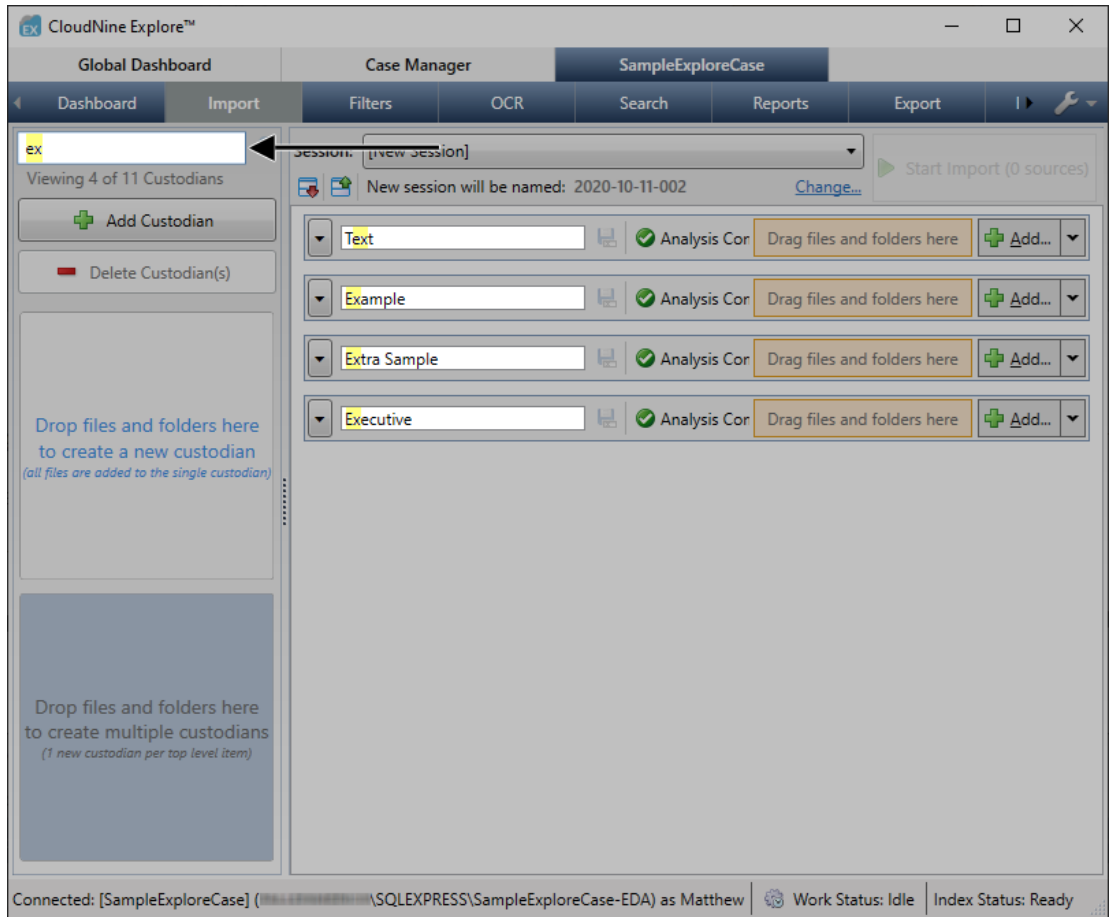
[Reviewing Custodians \(cloudnine.com\)](#)


1. From the **Case Manager** tab, double-click on the desired **Case** to open it, and then navigate to **Import** sub-tab.
2. **Expanding/Collapsing Custodians:** Click the  button to expand all custodians, and the  button to collapse all custodians.

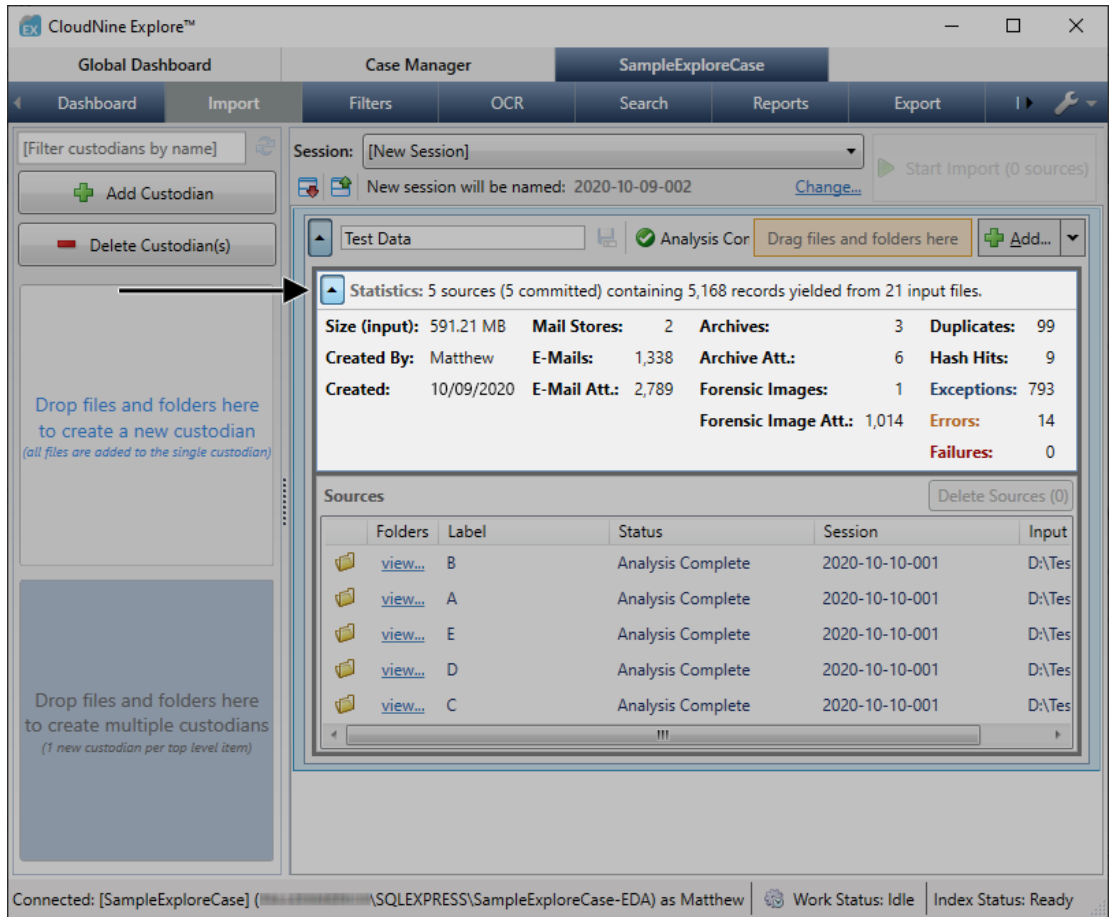
3. To expand or collapse a single custodian, click the  button for the desired custodian.



4. **Filtering Custodians by Name:** Enter a custodian name or string into the box provided at the top-left. The custodian list will update in real-time, displaying only matching custodians.
5. Clear the custodian name filter box to display all custodians again.



6. **Viewing Custodian Statistics:** Expand the desired custodian, and then click the  button to further expand the **Statistics** for that custodian.
7. For more information on these custodian statistics, refer to the table below.



Statistic	Description
Archive Att.	The number of files found within all archives.
Archives	The number of archive files found.
Created	The date and time the custodian was created.
Created By	The name of the user who created the custodian and ran the associated import session.
Duplicates	The number of duplicate items found within the associated sources.
E-mail Att.	The number of attachments found in all mail stores.
E-mails	The number of individual e-mail items found in all mail stores.
Errors	The number of errors that occurred during processing.
Exceptions	The number of exceptions that occurred during processing.
Failures	The number of failures that occurred during processing.

Below you will find the full list of file types that are recognized by both CloudNine™ LAW and CloudNine™ Explore during Import. Being recognized means the file will be assigned a file ID and description in the metadata fields and the File Type Filter in CloudNine™ Explore. The type and quantity of metadata that can be extracted from a document is determined by its file identification. File types not included on the list can still be imported into and exported from CloudNine™ LAW and CloudNine™ Explore, but those files will not be assigned a file ID or description, and metadata may not be extracted.

ID	Description	File Extensions	Extract Metadata	Extract Content	Can OCR?	Is a Container?
1	Disk Directory					
2	Disk Volume Label					
3	Text File	TXT, DOC, INI, INF, ASC, TEXT		Y		
4	Graphics Interchange Format	GIF, GIFF			Y	
5	MS Windows Bitmap	BMP, DIB, SYS, RLE, BIN, VGA, RLn			Y	
6	Amiga Interchange File Format Image	LBM, IFF, ILM, BBM, ILBM, BLK				
7	MS Paint Bitmap	MSP				
8	AutoDesk Animator Flic	FLI, FLC, FII				

9	GEM VDI Paint Image	IMG, GEM				
10	PC Paint/Pictor Page Image	PIC, PICTOR, CLP				
11	PC Paintbrush Bitmap	PCX, PCC			Y	
12	PKZip Archive	ZIP, JAR, WMZ				Y
13	MacBinary (Mac Data + Resource Fork)	MAC				
14	Creative Voice Sound	VOC				
15	DOS Program	EXE, COM, SYS, OVL				
16	Amiga SoundTracker Music	MOD, NST				
17	Macintosh Sound + Resource Fork (MacBinary)	SND, HCO				
18	MS Windows Prefetch Cache	PF				
19	Targa Bitmap Image	TGA, VDA, I?B, VST, TARGA, PIX, BPX, IVB			Y	
20	PK Pak Archive	ARC, PAK				
21	Arj Archive	ARJ, A??. DSK				

2 2	DOS Batch File	BAT, CMD		Y		
2 3	Ad-Lib Composer Music	ROL				
2 4	FerretSoft Cache Index					
2 5	Amiga IFF/8SVX Sound	SND, IFF, LBM, 8SV, SVX, 8SVX				
2 6	AutoCAD Drawing	DWG, DWT				
2 7	Program Overlay	OVL, OVR, DVR, DRV, OVn, RSR				
2 8	BASIC Script/Source Code	BAS, CSC, VBS		Y		
2 9	CMS Organ Music	ORG				
3 0	DOS Program (Tiny)	COM, BIN, SYS				Y
3 1	Arts & Letters Editor Document	GED				
3 2	Crayola Art Image	IMP				
3 3	Crayola Image	ART				
3 4	Novell Message File	MSG, DAT				
3 5	Larc Self Extracting Archive (COM)	COM				

3 6	LHarc Self Extracting Archive (COM)	COM, EXE				
3 7	Corel Draw Font/Symbols	WFN				
3 8	Corel Draw Raster (proprietary)	CDR				
3 9	Creative Music File	CMF				
4 0	Cricket Graph Data	CGD				
4 1	Cricket Graph Graphics	CGG				
4 2	Cricket Graph Slide	CGT				
4 3	Cross Talk for Windows PhoneBook	XWP				
4 4	Gzip Unix Archive	GZ, Z, ?Z, ??Z, TAR				Y
4 5	MS Money Data	MNY, MN?				
4 6	Arc Archive	ARC				
4 7	MS Compress Archive	??\$, ??_, ?_, IBT				
4 8	Diet Archive					
4 9	Hyper Archive	HYP				

5 0	LHarc Compressed Archive	LHA, LZH, LHn, LZn, LHD, LZS				
5 1	LU Archive	LBR				
5 2	Larc Archive	LZS, LZH				
5 3	MS Windows Help Contents Table	CNT				
5 4	Stunt Island Film	FLM				
5 5	Squeeze Archive	?Q?				
5 6	Zoo Compressed Archive	ZOO				
5 7	Help File (General)	HLP, HSP, HLX				
5 8	dBase III/III+/IV/FoxBase +/FoxPro Database	DBF				
5 9	dBase III+ Screen Format	FMT				
6 0	dBase III+ Form	FRM				
6 1	dBase III+ Program File	PRG				
6 2	Micrografx Designer Drawing	DRW, GRF				
6 3	Micrografx Picture	PIC				

64	Dr. Halo Font	FON				
65	MS Query Database	DBF				
66	Dr. Halo Palette	PAL				
67	Dr. Halo Picture	PIC				
68	MS Query Database Index	MDX				
69	Lucas Arts Animation	NUT, SAN				
70	Lucas Arts Sound (SAD)	SAD				
71	Lucas Arts Sound (SOU)	SOU				
72	Lucas Arts Living Book					
73	AutoCAD Drawing Exchange (ASCII)	DXF				
74	AutoCAD Drawing Exchange (Binary)	DXF				
75	AutoCAD Drawing Exchange Binary	DXB, ACAD				
76	Arj Self Extracting Archive	EXE				
77	MS Windows Program (32 bit)	EXE, SCR, MOD, SYS, BIN, COM				
78	Larc Self Extracting Archive (EXE)	EXE				

7	LZexe Self 9Extracting Archive	EXE				
8	LHarc Self 0Extracting Archive (EXE)	EXE				
8	PK Arc Self 1Extracting Archive	EXE				
8	Arc 6.0 MKS 2Archive	EXE				
8	NetWare 3Installation Start	INS				
8	Hyperwriter! 4Document	HW3				
8	Fanta Vision Movie 5	MVE				
8	Novell Print 6Definition File	PDF				
8	GEM Metafile 7Image	GEM, GDI, VDI				
8	MS DOS Code Page 8Information/Font	CPI				
8	GEM Write Format 9	FMT				
9	PCR Graphic Image 0	PCR				
9	RLE Graphic Image 1	RLE				
9	Guide Document 2	GUI				

9 3	MS Windows 98 Password List	PWL				
9 4	Harvard Graphics Palette	PAL				
9 5	Compiler Library (COFF)	LIB, A, AR				
9 6	Lotus 123 Font	FNT, LRF				
9 7	Lotus 123 File	APC, APD, APF, ASD, RI				
9 8	MS Windows Fax Cover Page	CPE, CPD, COV				
9 9	MS Windows Cabinet Archive	CAB, PKG, ??Z, ?? _, GDP, CDM, MSU				Y
1 0 0	MS Windows OLE Type Library	TLB, TWD, OLB				
1 0 1	MS Windows Registry Hive	DAT, DA0, SAV				
1 0 2	Lotus 123 File	XLT				
1 0 3	MS Internet Explorer Cache	DAT				
1 0 4	Lotus 123 Ver. 2 / Symphony 1.1 Worksheet	WK1, WKS		Y		

105	Lotus 123 Ver. 3 & 4 Worksheet	WK3, WK4, 123, 12M		Y		
106	Lotus 123 Ver. 1 & 1A Worksheet	WKS		Y		
107	Symphony 1.0 Worksheet	WKS, WRK				
108	Lyra MIDI Music	LYR				
109	MS Excel Chart	XLC				
110	MS Excel Macro	XLM	Y	Y		
111	MS Excel Worksheet/Template (OLE)	XLS, XLA, XLT, XLB, WWS, XLM	Y	Y		
112	TeleDisk Archive	TD0, TD1, TD2, TD3, TD?				
113	MS Windows Program Group	GRP, GRB				
114	MS Windows Icon	ICO				

1 1 5	MS Windows Help File	HLP, GID, LHP				
1 1 6	MS Windows Program Information	PIF				
1 1 7	MS Windows Card File (Win NT)	CRD				
1 1 8	MS Word for DOS Printer Definition	PRD				
1 1 9	MS Word for DOS Style Sheet	STY				
1 2 0	MS Word for DOS/WordPerfect Font	US?, R8?				
1 2 1	MS Word for DOS Font	DAT				
1 2 2	MultiMate Document	PAT, DOC, DOX				
1 2 3	Music Studio Sound	SND				
1 2 4	Music Studio Song	MSS, STY, SND, CHORUS, SNG				

1 2 5	Musician I File	NOT				
1 2 6	Compiler Object	OBJ				
1 2 7	MS Publisher Job Submission Publication	JSP				
1 2 8	PFS: 1st Publisher Macro	MAC				
1 2 9	PFS: 1st Publisher Art Image	ART				
1 3 0	PFS: 1st Publisher Document	PUB				
1 3 1	PageMaker 3.0 Document	PM3				
1 3 2	PageMaker 3.0 File	PT3				
1 3 3	Encapsulated PostScript Preview	EPS, EPSF				
1 3 4	MS Works for DOS Document	WPS, WWP				

1 3 5	Print Shop Art	SHP				
1 3 6	MS Windows Disk Map File	DMF				
1 3 7	Print Shop/Print Master Images	SDR, NAM				
1 3 8	Reflex Database	RXD				
1 3 9	Reflex Report	RXR				
1 4 0	MS Windows Internet Shortcut	URL, MIM, ULK				
1 4 1	Amiga ScreamTracker Music	STM, STX				
1 4 2	Senddisk File					
1 4 3	Data Interchange Format Spreadsheet	DIF				
1 4 4	SuperKey Macro	MAC				

1 4 5	Borland Graphics Printing Interface	BGI				
1 4 6	Tag Image File Format (Motorola)	TIFF, TIF, SEP, TIM			Y	
1 4 7	Time Line File	MAP, T#?				
1 4 8	MS Outlook Message	MSG	Y	Y		
1 4 9	File Investigator for DOS Data	DES, PAT				
1 5 0	File Investigator for DOS Scripts	JOB				
1 5 1	Jerusalem (B) VIRUS!	COM				
1 5 2	Ventura Publisher File	CAP, CHP, STY				
1 5 3	PCMCIA Configuration Library	CLB				
1 5 4	InstallShield Install Script	INS				

1 5 5	Quatro Pro Data	QPW, CLP		Y		
1 5 6	Voice Master Key Sound	V8, V3S				
1 5 7	WordPerfect Document	DOC, WP, WKB, WPD, WPT, WP#		Y		
1 5 8	WordPerfect Macro	WPM, WCM				
1 5 9	PIC Graphic Image	PIC				
1 6 0	WordPerfect Graphic Image	WPG				
1 6 1	Professional Write Document	PW				
1 6 2	BMP Graphic Image	BMP			Y	
1 6 3	WordPerfect File (General)	WP?, ?RS, ALL, LAB, MOR, CBD				
1 6 4	MS PowerPoint Slides (OLE)	PPT, PPA, POT, PPS	Y	Y		

1 6 5	MS Windows Calendar	CAL				
1 6 6	MS Windows Wave Sound (Intel)	WAV				
1 6 7	ComputerEyes Animation	SNP, M00, M01, M02, Mnn				
1 6 8	Wired For Sound	SND, SNW				
1 6 9	Macromedia Director Movie (Macintosh)	DXR, CXT, DIR				
1 7 0	Binary Image File	BIF				
1 7 1	Encapsulated PostScript Document	EPS, EPI, EPSF, AI, PS				
1 7 2	Macintosh QuickDraw/PICT Image	PCT, PIC, PICT, PICT2, QTS				
1 7 3	HSI JPEG Picture	JPEG, JPG			Y	
1 7 4	ColoRIX Image	RIX, SCI, SCX, SCZ, SC?				

1 7 5	Alpha Microsystems Bitmap	BMP				
1 7 6	Silicon Graphics RGB Bitmap Image	SGI, BW, RGB, RLE, IRIS, RGBA				
1 7 7	AutoLogic Picture	GM, GM2, GM4				
1 7 8	ADEX ChromaGraph Image	ADEX, IMG, RLE				
1 7 9	X11 BitMap	XBM, BM, BMP, BITMAP				
1 8 0	CALS Raster Image	CAL, RAS, CALS				
1 8 1	Erdas Image	LAN, GIS				
1 8 2	Vivid Ray-Tracer Image	IMG				
1 8 3	QuikLink 2 Fax Document	QFX				
1 8 4	Jovian Logic Video Capture Image	VI				

1 8 5	JPEG File Interchange Format Image	JPEG, JFIF, JPG, JFI, CMP, JIF, THM, JPE			Y	
1 8 6	Portable BitMap Image (Binary)	PBM, PNM				
1 8 7	Portable GreyMap Image (Binary)	PGM, PNM, PBM				
1 8 8	Portable PixMap Image (Binary)	PPM, PNM, PBM				
1 8 9	Sound Blaster Instrument	SBI				
1 9 0	Q0 Graphic Header	FAL				
1 9 1	PDS Picture	IBD				
1 9 2	HSI Palette	PAL				
1 9 3	HP Printer Control Language File	PCL, PRN, PJ, PJXL				
1 9 4	HSI Raw Picture	RAW				

1 9 5	MS Excel Workspace/Workb ook	XLW				
1 9 6	MS Windows Clipboard/Picture	CLP				
1 9 7	Sound Blaster Instrument Bank	IBK				
1 9 8	Simple Musical Score IFF MIDI	SMU, IFF, SMUS, MUS				
1 9 9	TextCraft Document	FTXT, FTX, IFF				
2 0 0	Harvard Graphics Chart	CHT				
2 0 1	HP Raster Transfer Language Image	RTL				
2 0 2	Gravis Ultrasound Patch	PAT				
2 0 3	NetWare Loadable Module	NLM, LAN				
2 0 4	InstallShield Uninstall Script	ISU				

205	ACT! 2.0 Document	LBR				
206	Sun Raster Image	RAS, RAST, SUN, SR, SCR, RS, SRS				
207	WordPerfect Office Notebook	NB				
208	ACT! 2.0 Report	RPN, RPC				
209	MS DOS Help	HLP				
210	Utah Raster Toolkit Image	RLE, URT				
211	Scodl Picture	SCD				
212	Resource Interchange File Format (Intel)	RIFF, RIF, AVI, WAV, BND				
213	Bitstream Printer Font	SF?				
214	System Driver	SYS, BIN, COM		Y		

2 1 5	MS Write Document	WRI		Y		
2 1 6	MS Word for Macintosh Document	MCW, DOC	Y	Y		
2 1 7	MS Word for DOS/Macintosh Document	DOC	Y	Y		
2 1 8	X Windows System Dump Image	XWD, X11				
2 1 9	Animation Studio Character	CFT				
2 2 0	MS Draw Palette	PAL				
2 2 1	MS Windows 3.1 True Type Font	TTF				
2 2 2	MS Windows 3.x Screen Grabber	2GR, 3GR				
2 2 3	Printer Escape Codes/Output	PRN				
2 2 4	Ad-Lib Instrument Bank	BNK				

2 2 5	MS Windows Compiled Resources	RES				
2 2 6	Turbo Pascal Unit	TPU, TP				
2 2 7	Lode Runner Puzzle Set	PZL				
2 2 8	ProWrite Document	WOR, IFF				
2 2 9	MS Word 97-2003 Document (OLE)	DOC, DOT, WIZ, WZS, WRI, WBK	Y	Y		
2 3 0	MS Windows Metafile (placeable)	WMF, APM				
2 3 1	Dual Module Player Music	AMF				
2 3 2	Autochop File Part	#00, #01, #02, #03, #nn				
2 3 3	Interchange File Format	IFF				
2 3 4	MS Audio/Visual Interleave (Intel)	AVI, VFW, DA2				

2 3 5	Digital Multi-Track Module/Song	S3M				
2 3 6	QuickTime Movie	MOV, QTM, QT, mp4				
2 3 7	MS Network Shortcut	MCC				
2 3 8	Interplay Sound	SND				
2 3 9	IBM OS/2 2.0 Help	HLP				
2 4 0	Standard Midi Sequencer Music	MID, MDI, RMI, SMF, MIDI				
2 4 1	Corel Draw Raster (Intel)	CDR, PAT, CDT				
2 4 2	Dark Forces Data	GOB				
2 4 3	Drafix Windows CAD File	CAD				
2 4 4	3D Environment	RUN				

2 4 5	MultiTracker Module Music	MTM				
2 4 6	MPEG Animation	MPG, MPEG, MPE, M1V, ENC, MPA, MPS, M2V				
2 4 7	Xing MPEG Animation	MPG, MPE, M1V, ENC				
2 4 8	DESQview Group	GRP				
2 4 9	Adobe Font Metrics (DESQview)	AFM				
2 5 0	Toolbook Database	TBK, SBK				
2 5 1	Envoy Document	EVY, ENV				
2 5 2	MS Windows 3.x Logo	LGO				
2 5 3	MS Windows Printer Driver	WPD				
2 5 4	MS Windows Sound Mix	MIX				

255	RenderWare Script	RWX				
256	ROM Chip Image	BIN, ROM				
257	MS Find Saved Search	FND				
258	Adobe Portable Document Format	PDF	Y	Y	Y	
259	BinHex Archive	HQX, HEX				
260	IBM OS/2 True Type Font	TTF				
261	Sea Archive	SEA				
262	StuffIt Mac Archive	SIT, BIN, SITX, DAT				
263	SoundTool Sound	SND, SNDT				
264	Audio Visual Research Sound	AVR				

2 6 5	NeXT/Sun/UNIX Sound	AU, SND, SUN, NXT				
2 6 6	Sticker Store Sticker	STK				
2 6 7	IBM Filing Assistant Database					
2 6 8	IBM Writing Assistant Document					
2 6 9	MS Rich Text Format Document	RTF, DOC, WRI, WBK	Y	Y		
2 7 0	NetFRAME MPEG 2 Animation	MPEG, MPG, MPE, ENC				
2 7 1	Macromedia Director Movie (Intel)	DXR, CXT, DIR				
2 7 2	Norton Utilities Directory Tree	NCD				
2 7 3	Portable BitMap Image (ASCII)	PBM, PNM				
2 7 4	MS Compound Document (OLE) (General)	OBD, PPT, DOC, XLS	Y	Y		

2 7 5	Portable GreyMap Image (ASCII)	PGM, PNM, PBM				
2 7 6	Sounder Sound	SND, SNDR				
2 7 7	Canon BJ Escape Codes/Output	PRN				
2 7 8	Bitstream Font	SPD, FNB				
2 7 9	CC:Mail Rule	RUL				
2 8 0	CC:Mail Smart Icon	SMI				
2 8 1	Portable PixMap Image (ASCII)	PPM, PNM, PBM				
2 8 2	Id Software Internal Data (Doom)	WAD, RTS				
2 8 3	PKZip Self Extracting Archive	EXE, ZIP				Y
2 8 4	MacPaint Bitmap (MacBinary)	MAC, MPNT, MACP, PNTG, PAINT, PNT				

2 8 5	Macromedia Director File (Macintosh)	DCR				
2 8 6	File Investigator for DOS Help File	FIH				
2 8 7	IBM OS/2 Bitmap	BMP, DIB, BGA			Y	
2 8 8	MS Windows Program (16 bit)	EXE, MOD, BIN				
2 8 9	MS Windows Program (WIN386)	EXE				
2 9 0	MS Windows Driver (16 bit)	EXE, VXD, SYS, DRV, 386				
2 9 1	MS Windows Library (16 bit)	DLL, DRV, VBX, EXE				
2 9 2	MS Windows Driver (16 bit)	DRV, DLL, VBX				
2 9 3	Mac PICT Image (MacBinary)	PCT, PIC				
2 9 4	MS Windows 3.x Screen Saver	SCR				

2 9 5	MS Windows Audio Converter	ACM				
2 9 6	MS Windows Control Panel Applet	CPL, DLL, EXE				
2 9 7	MS Windows 3.x System Font	FON, FOT				
2 9 8	Tag Image File Format (MacBinary)	TIFF, TIF, SEP			Y	
2 9 9	MS Windows Policy	POLICY, MAN, MANIFEST				
3 0 0	Slide Show Image	SNX, REF				
3 0 1	Adobe PostScript Document	PS, AI				
3 0 2	MS Windows Cursor	CUR				
3 0 3	Turbo C Project File	PRJ				
3 0 4	MS Windows 95 Password List File	PWL				

305	CC:Mail Archive	CCA				
306	Videoscape 3D Model with Colored Faces	GEO, SHP				
307	Software Toolworks Sound	SND				
308	MS Windows Animated Cursor (Intel)	ANI, CON				
309	Novell Archive	??_				
310	Mosaic Hot List	HOT				
311	MS Midi Musical Instrument Song (Intel)	RMI				
312	MS HyperTerminal Shortcut	HT				
313	MS Windows Registry Import File	REG, DAT, SUD				
314	MS Windows Shortcut/Link	LNK				

3 1 5	HyperText Markup Language	HTML, HTM, HT?, HTTP, ASP?, MHT, HH?		Y		
3 1 6	Empty File					
3 1 7	Modular Sound File	FTM				
3 1 8	OctaMED Tracker Module	MMD, MED				
3 1 9	Paintbrush Multi-Page Fax Bitmap	DCX, CMM, PCX, PCC			Y	
3 2 0	MS Windows Color Palette (Intel)	PAL				
3 2 1	Tag Image File Format (Intel)	TIFF, TIF, SEP			Y	
3 2 2	Id Software Patch (Doom)	WAD				
3 2 3	Audio IFF Sound	AIFF, AIFC, AIF, IFF, SND				
3 2 4	MS Multi-Media Movie	MMM				

3 2 5	MS Windows Library (32 bit)	DLL, TLB, OCX, CPL, HX?				
3 2 6	MS Office Binder Document/Templat e/Wizard	OBD, OBT, OBZ, BIN	Y	Y		
3 2 7	MS Access Database Wizard Template	MDZ				
3 2 8	MS ClipArt Gallery	CAG				
3 2 9	MS Pictures	PCS				
3 3 0	MS Access Database/Template /Addition	MDB, MDT, MDA, MDE, DPM, WCD, MDW, SBC				
3 3 1	PSpice Capture Design/Library/Sy mbols	DSN, DBK, OLB, OBK				
3 3 2	OrCAD Capture Project	OPJ				
3 3 3	OrCAD Capture CIS Database Config.	DBC				
3 3 4	InstallShield 3.x Archive	Z, LIB, INS, 1, ??_				

3 3 5	MS Personal Address Book	PAB				
3 3 6	MS Outlook Personal Information Store (97 - 2002)	PST				Y
3 3 7	ICC Profile	ICM, ICC, CC, PF				
3 3 8	MS Windows Compiled HTML Help Module	CHM, CHI, CHQ, CHW, SLL				
3 3 9	MS Windows Office Toolbar Button	TBB				
3 4 0	Adobe PostScript Font (Binary)	PFB, PFA				
3 4 1	MS Windows Address Book	WAB, WA~, WAB~				
3 4 2	Extensible Markup Language	XML, CDF, OSD, AWE, HTML, HTM		Y		
3 4 3	Java Class (Compiled)	CLASS, CLA, CLS		Y		
3 4	Netscape News/Mail	SNM				

4	Messages					
3	MS Debug	DBG				
4	Information File					
5						
3	Precompiled Setup	PNF				
4	Information					
6						
3	InstallShield 5	CAB, HDR				
4	Cabinet Archive					
7						
3	MS Project	MPP, MPT		Y		
4						
8						
3	MPEG Music File	MP3, MP2, MPGA				
4	(+ID3v1 Tags)					
9						
3	MS Windows Swap	SWP				
5	File					
0						
3	Computer Graphics	CGM				
5	Metafile (Binary)					
1						
3	Configuration File	CFG, CNF, INI				
5	(Text)					
2						
3	Data File (Unknown	DAT, DTA, DATA				
5	Source)					
3						
3	MS Language	NLS, NLP				
5	Character Set					

4						
3 5 5	MS Visual C++ Definition File	DEF				
3 5 6	PaperPort Slide Show	FSS				
3 5 7	MS Windows True Type Font	TTF				
3 5 8	Adobe Printer Font Metrics	PFM, MMM				
3 5 9	InstallShield Archive	EX_, ??_				
3 6 0	MS Compatibility Database	CAT				
3 6 1	MS Windows Desktop Theme	THEME, THM				
3 6 2	Index File (Unknown Source)	IND, IDX, Index				
3 6 3	PhotoDeluxe Clipart Gallery	GAL				
3 6	Borland C++ Project	IDE				

4						
3 6 5	MS Outlook Express Email Mailbox	MBX				Y
3 6 6	MS Outlook Express Email Index	IDX				
3 6 7	Half-Life Saved Game	SAV				
3 6 8	MS Visual C++ DLL Exports File	EXP				
3 6 9	MS Linker Database	ILK				
3 7 0	MS Windows Help Text Search	TSC				
3 7 1	MS Visual C++ Precompiled Header	PCH				
3 7 2	MS Windows Help Full Text Search Cache	FTS, FTG				
3 7 3	MS Spelling Auto Correct List	ACL				
3 7	MS Windows Help Answer Wizard	AW				

4					
3 7 5	Id Software Internal Data 3.0	WAD			
3 7 6	MS Visual C++ Debug File	SBR			
3 7 7	MS Windows Font Cache Index				
3 7 8	String Data Resource	MSG			
3 7 9	Temporary Data File (Unknown Source)	TMP			
3 8 0	Binary Data File (Unknown Source)	BIN, BI			
3 8 1	Sierra Game Data File	PRF, PKF			
3 8 2	Unreal Game Archive	UNR, UMX, UAX, UTX, UVX, UKX, USX, U??			
3 8 3	PaperPort Scanned Image	MAX			
3 8	MS Developer Studio Resource				

4	Script					
3 8 5	Id Software Game Map (Quake)	BSP, TMP				
3 8 6	Id Software Game Model	MDL				
3 8 7	Real Pool Image	RGB				
3 8 8	Bezerk Acrophobia Data File	SRF				
3 8 9	MS Chat Animated Character	AVB				
3 9 0	PhotoImpact Data	QCP				
3 9 1	MS Windows Welcome Bitmap	WBM				
3 9 2	PhotoImpact Color Map	MAP				
3 9 3	MS Outlook Express Email Tree	NCH				
3 9	MS Briefcase Database					

4						
3 9 5	PhotoImpact Presets/Clipart Images	SMP, UOL, PST				
3 9 6	PhotoImpact Pencil Style	GAP				
3 9 7	USA 98: Streets & Destination Map File	GMF				
3 9 8	USA 98: Streets & Destination Tour	U98				
3 9 9	Calendar Creator Plus Calendar	CAL				
4 0 0	Adobe PhotoShop Image	PSD, PDD				
4 0 1	Java Script Source Code (ASCII)	JS, ASP, HTM, HTML, HTT, HTC, ASPX, ASCX		Y		
4 0 2	MS Visual C++ Compiled Resources	RES, APS, RCT				
4 0 3	Source Code Header/Include File	H, INC, H16, HXX, C, HPP				
4 0	MS Dependency File	DEP				

4					
4 0 5	Source Code Make File	MAK, MK			
4 0 6	C/C++ Source Code File	C, CPP, H, CC, PCH+ +, RC	Y		
4 0 7	MS Visual C++ Object Description Lang.	ODL, IDL			
4 0 8	Printer Job Language Image	PJL, SPL, PRN			
4 0 9	Extended ISA Adapter File	ADF			
4 1 0	Adobe PostScript Document (PJL)	PS, PLT			
4 1 1	MS Developer Studio Project (ASCII)	DSP, DBP			
4 1 2	Virtual Reality World (ASCII)	WRL, WRZ, VRML, WRML			
4 1 3	Virtual Reality World (Binary)	WRL, IVR, BEH, LIT, WRZ			
4 1	MS Spell Checker Dictionary	DIC			

4					
4 1 5	Cascading Style Sheet	CSS, HTM		Y	
4 1 6	MS Visual C++ Resource Script	RC			
4 1 7	PhotoSuite Album	CTF			
4 1 8	Java Source Code File	JAVA, HTM		Y	
4 1 9	MS Internet Explorer Connection Wizard	ICW, PBK			
4 2 0	MS Tip of the Day File	TIP			
4 2 1	Virtual Business Card File	VCF			
4 2 2	MS Visual C++ Registry Source	RGS			
4 2 3	MS Visual C++ Program Database	PDB, BSC, NCB, IDB			
4 2	MS Developer Studio Workspace	DSW			

4					
4 2 5	MS Download File Index	SFC, SFO			
4 2 6	MS Visual C++ Interface Design Lang.	IDL			
4 2 7	AIN Archiver Archive	AIN			
4 2 8	Casio Camera Image	CAM			
4 2 9	Shockwave Flash Object	SWF, SPL			
4 3 0	Id Software Internal Data (Quake)	PAK			
4 3 1	Id Software Internal Data 3.0 Hpack	HPK			
4 3 2	MS Windows Cue Cards	CUE			
4 3 3	Adobe Language Database	RSD, SYD, DID, DDD, WLD, PDD			
4 3	PaperPort Thumbnail Images	PTN			

4						
4 3 5	Macromedia Flash MX Shared Object Library	SOL				
4 3 6	Netscape Communicator Address Book	NA2				
4 3 7	WBEM Repository Database Support File	BTR, DATA				
4 3 8	IconAuthor Start File	IWM, IW				
4 3 9	Resource Texture Extension	RTX				
4 4 0	Java Serialized Object	SER				
4 4 1	Adobe Illustrator Drawing	AI, EPS				
4 4 2	Corel Supplemental Dictionary	SUP				
4 4 3	XnView Filter	HFP				
4 4	ANSI Text File	ANS				

4					
4 4 5	Python Tkinter Library Icons	ICNS			
4 4 6	Video CD MPEG Movie	DAT			
4 4 7	Active Server Page	ASP			
4 4 8	BWC Archive	BC			
4 4 9	SeeMail Video (MacBinary)	SEE			
4 5 0	MainActor Project	MPF			
4 5 1	Comma Separated Values Text File	CAS, CSV, LOG, TXT		Y	
4 5 2	MS ScanDisk/CHKDSK Fragment File	CHK			
4 5 3	BTPC Compressed Image	BTPC			
4 5	Advanced Audio Coding ADIF Sound	AAC			

4					
4 5 5	Setup Information	INF, INI, CDF, ISS, SWT			
4 5 6	Initialization File	INI, SYS, INF, ECF			
4 5 7	MS Outlook Express News Message	NWS			
4 5 8	WordStar Document	WS1, WS2, WS3, WS4, WS5, WS6, WS7, DOC		Y	
4 5 9	Printer Separator Page	SEP, HPC, GPD			
4 6 0	PeopleSoft Report	RPT			
4 6 1	Palm OS Address Book	DAT, BAK, ABA			
4 6 2	Palm OS Datebook	DAT, BAK			
4 6 3	Palm OS To Do List	DAT, BAK			
4 6	Palm OS Memo Pad	DAT, BAK			

4					
4 6 5	WordStar for Windows	WSD, DOC		Y	
4 6 6	MS Windows Media Player Playlist (XML)	WPL			
4 6 7	Corel Texture Colorset	COL			
4 6 8	Adobe Linguistics File	HYP, ENV			
4 6 9	PCA Security Signatures Catalog	CAT, SIG			
4 7 0	Enhanced Compressor Archive	ENC			
4 7 1	LZX Archive	LZX			
4 7 2	NaShrink Archive	NSK			
4 7 3	Semone Archive	ONE			
4 7	Informed Filler Form (MacBinary)	IFM			

4						
4 7 5	Informed Filler Template (MacBinary)	ITP				
4 7 6	Informed Interchange Document (MacBinary)	IIF				
4 7 7	Informed Package Document (MacBinary)	IPK				
4 7 8	Sqweez Archive	SQZ				
4 7 9	Stonecracker Archive	STC				
4 8 0	AMOS Music Bank	ABK				
4 8 1	Ace Archive	ACE				
4 8 2	MIME Base64 Archive	B64				
4 8 3	MS Access Database Project	ADP				

4 8 4	UHArc Compressed Archive	UHA				
4 8 5	Blair Witch Project	POD				
4 8 6	Unity3d Environment	UNITYWEB				
4 8 7	Ace Ventura Game Archive	BIN				
4 8 8	HTML + XML Namespace	XHTML, XHT, HTM, HTML		Y		
4 8 9	Act Of War Game Archive	DAT				
4 9 0	XML-binary Optimized Packaging	XOP				
4 9 1	Selectable Mode Vocoder Sound	SMV				
4 9 2	Enhanced Variable Rate Codec Sound- B	EVB				
4 9 3	Internet Low Bit Rate Codec Sound	LBC				

4 9 4	Mobile XMF Music	MXMF, XMF				
4 9 5	Mobile XMF Music (MacBinary)	MXMF				
4 9 6	Scalable Polyphony MIDI Music	MID				
4 9 7	MLP Audio Stream (Motorola)	MLP				
4 9 8	MLP Audio Stream (Intel)	MLP				
4 9 9	Compact Disc Digital Audio Track	CDA				
5 0 0	Phillips Compact Disk Interactive File	CDI, IFF				
5 0 1	DOS Pipe File (Unknown Source)	\$\$\$				
5 0 2	EverAD PlayJ Sound	PLJ				
5 0 3	MS Visual Studio.NET Licenses	LICENSES				

5404	MS Windows Visual FoxPro Application	APP				
5405	Intuity AUDIX Multimedia Message	LVP				
5406	Backup File (Unknown Source)	BAK, OLD				
5407	Intuity AUDIX Multimedia Msg (MacBinary)	LVP				
5408	Nortel Voice Block Sound (MacBinary)	VBK				
5409	JPEG-2000 Bitmap Image (MacBinary)	JP2, JPG2, JPX, MJ2, MJP2, JPM			Y	
5410	MS Visual Basic Class Module	CLS		Y		
5411	DjVu Document Image (MacBinary)	DJVU, DJV				
5412	FlashPix Bitmap (MacBinary)	FPX, CPX, FMP				
5413	DocuFile / EDMICS 2000 Image	RLC				

5 1 4	Ad-Aware Signature	REF				
5 1 5	Harlequin RIP Image	PGB				
5 1 6	CACTVS Clear Text File	CTX				
5 1 7	Geometric Description Language Image	GDL, GSM, WIN, DOR, LMP, RSM, MSM, ISM				
5 1 8	WildTangent Compressed JPEG Image	WJP				
5 1 9	SQL Server Master Database	MDF, NDF				
5 2 0	ABC Music Language Song	ABC				
5 2 1	ExperVision TypeReader Dictionary	DCT				
5 2 2	MS Access Database/Wizard	ACC, ACCDU, ACCDE, ACCD A, ACCDB				
5 2 3	Nokia 9210 Communicator Video	NIM				

5 2 4	Absolute Terror Game Archive	PAK				
5 2 5	Wireless Bitmap	WBMP				
5 2 6	Macromedia Director Movie	DIR				
5 2 7	Descent Mission Builder Blocks	BLK				
5 2 8	Descent Font	FNT				
5 2 9	Descent High Scores	HI				
5 3 0	Descent Player	PLR				
5 3 1	Descent Robots	POF				
5 3 2	Delphi Compiled Package Code	DCP				
5 3 3	Font File (Unknown Source)	FNT, FON				

5 3 4	Abyss's Highest Experience Music	AHX				
5 3 5	MS Visual Interdev Cache	VIC, IMG				
5 3 6	Apple Email Message	EML, TXT, EMLX	Y	Y		
5 3 7	WinIMP Archive	IMP				
5 3 8	Evolution Email Message	EML, TXT	Y	Y		
5 3 9	Gmail Email Message	EML, TXT	Y	Y		
5 4 0	Global Message Exchange Email Message	EML, TXT	Y	Y		
5 4 1	Keyboard Script Layout	KBD				
5 4 2	Horde Internet Messaging Program (IMP) Email Message	EML, TXT	Y	Y		
5 4	The Nemesis Project Game	CLT				

3	Archive					
5 4 4	List File (Unknown Source)	LST				
5 4 5	Microsoft Mail Email Message	EML, TXT	Y	Y		
5 4 6	Mutt Email Message	EML, TXT	Y	Y		
5 4 7	Pro Evolution Soccer Game Archive	AFS				
5 4 8	[Deleted]MS Access Menu File					
5 4 9	dBase Index	NDX				
5 5 0	Open WebMail Email Message	EML, TXT	Y	Y		
5 5 1	EPANET Data File	NET				
5 5 2	MS Visual Studio.NET Project	CSPROJ, VBPROJ, USER, VBDPROJ, CSDPROJ,				
5 5	MS FoxPro Program File	PRG				

3						
5 5 4	MS C#.NET Project	CSPROJ, USER, CSDPROJ		Y		
5 5 5	PageMaker 3.0 Document (MacBinary)	PM3				
5 5 6	Borland Paradox Primary Index	PX				
5 5 7	[Deleted]Borland Paradox Report Format					
5 5 8	[Deleted]Borland Paradox PAL Script Sou					
5 5 9	BITCOM Dial-Up Script File	SCP				
5 6 0	[Deleted]Borland Paradox Settings File					
5 6 1	Symbolic Link (SYLK) Spreadsheet	SLK				
5 6 2	[Deleted]Borland Paradox Sort Informati					
5 6	Symbolic Debugging Definitions	SYM				

3						
5 6 4	Redolog Hard Disk Image					
5 6 5	[Deleted]Borland Paradox Validity Check					
5 6 6	VisiCalc Spreadsheet	VC				
5 6 7	MS Works Database (OLE)	WDB, DB				
5 6 8	Borland Paradox Index	Xnn, Ynn, Znn, XGn, YGn, ZGn				
5 6 9	Computer Graphics Metafile (ASCII)	CGM				
5 7 0	Extensible Style Language	XSL, XML, HTML, HTM, HTT, XSLT		Y		
5 7 1	MS Office Outlook 2003 Email Message	EML, TXT	Y	Y		
5 7 2	C++ Dialogue Script	DLG, RC		Y		
5 7	American College of Radiology File	ACR				

3						
574	Microsoft Outlook 2000 IMO Email Message	EML, TXT	Y	Y		
575	MS Outlook Express Email Message	EML, TXT	Y	Y		
576	Amateur Data Interchange Format (ADIF)	ADI, ADIF				
577	Pine Email Message	EML, TXT	Y	Y		
578	Hotmail Email Message	EML, TXT	Y	Y		
579	MS Virtual Server Hard Disk Image	VHD				
580	MSN Application Extension	NAV				
581	Velvet Studio Music Module Song	AMS				
582	Document Style Definition	STYLEDEF				
588	ActiveMime Object	MSO				

3						
5 8 4	WinZip Self Extracting Archive	EXE, ZIP				Y
5 8 5	MS Visual Studio Keyboard Template	VSK				
5 8 6	ASD Archive	ASD				
5 8 7	3D Studio Max Model Export (ASCII)	ASE				
5 8 8	FIFA Football & Need for Speed Audio	ASF, AST				
5 8 9	Claris Impact Draw (MacBinary)	CID				
5 9 0	EVE Online Game Contents Archive	STUFF				
5 9 1	MS Office Macro Reference (OLE)	MSO				
5 9 2	Authorware Shocked File (Map)	AAM				
5 9	Authorware Windows File	A3W, A4W, A5W				

3	(Unpackaged)					
5	Authorware Course 9File (Packaged) 4	A4P, A4R				
5	Glyph Bitmap 9Distribution Format 5Font	BDF				
5	MS Office Macro 9Reference (RAW) 6	MSO				
5	Natural Language 9Processing Rule 7	RUL				
5	Norton Virus 9Definitions Update 8	BIN				
5	WinDVD Bookmark 9File 9	BMK				
6	Norton Virus 0Definitions Update 0Index	DAT				
6	MS Windows 0Network Service 1Performance Data	DAT				
6	Wireless LAN 0Encrypted Profile 2	ENC				
6	Nero Wave Editor 0Preset	PRE				

3						
6 0 4	WildTangent Compressed PNG Image	WPG, WJP				
6 0 5	Logitech Desktop Messenger User Profile	DAT, BAK				
6 0 6	Norton AntiVirus Scan Data	DAT				
6 0 7	MS Visual Basic.NET Source Code	VB		Y		
6 0 8	Norton Virus Definitions Update Certificate	DAT, BAK				
6 0 9	CC:Mail Box	CCM				
6 1 0	Norton Virus Definitions Update Information	INF				
6 1 1	Shockwave 3D Model	W3D				
6 1 2	Corel Draw Template	CDT				
6 1	Corel Draw Colorset	COL				

3						
6 1 4	KiSS Paper Doll File	CEL				
6 1 5	VeriSign Security Certificate	CER, CRT, DER, DAT, CRL				
6 1 6	Norton Internet Security Web Definitions	BIN				
6 1 7	Corel OCR Trace Configuration	CFG				
6 1 8	Common Gateway Interface Script	CGI				
6 1 9	MS PocketPC Device Emulator	BIN				
6 2 0	OpenSSL Encrypted Data	ENC				
6 2 1	Calculux Indoor Project	CIN				
6 2 2	MS Profiler Output	PRF				
6 2	MS Outlook Express Log	LOG				

3						
6 2 4	SecureRemote Data	C				
6 2 5	Adobe Font List	LST				
6 2 6	MSN Messenger Data	DAT				
6 2 7	MS Windows Compatibility Solution Database	SDB				
6 2 8	MS Search Log	TMP				
6 2 9	Final Fantasy Game Archive	LGP				
6 3 0	Descent Movie Library	MVL				
6 3 1	Corel Metafile Exchange Image (Intel)	CMX, PAT, CDR				
6 3 2	Journey To The Center Of The Earth Archive	0				
6 3	Corel Duotone File	CIK				

3						
6 3 4	Corel Presents Presentation	PQF, SHW, CPR				
6 3 5	Corel PhotoPaint Image	CPT				
6 3 6	Code Page Translation File	CPX				
6 3 7	Corel Presents Run- Time Presentation	CRP				
6 3 8	Corel Script	CSC				
6 3 9	Trickster Online Image	NRI				
6 4 0	Cheat Engine Cheat Table	CT				
6 4 1	[Deleted]FaxWorks Control Information					
6 4 2	[Deleted]MS CodeView Information Screen					
6 4	Clariss Works Document	CWK				

3	(MacBinary)					
6 4 4	Claris Draw Image (MacBinary)	CDD				
6 4 5	[Deleted] Macromedia Director Locked Cas					
6 4 6	MS Virtual PC Language Dictionary	DICT				
6 4 7	HP Digital Imaging Product Assistant Database	DBF				
6 4 8	Content Guard Digital Rights Management Database	DB				
6 4 9	Delphi Compiled Unit File	DCU				
6 5 0	FrontPage Binary- Tree Index	BTR				
6 5 1	Intel Wireless Event Profile Importer	EPI				
6 5 2	Amiga Workbench Icon	INFO				

6 5 3	Norton Antivirus Log	LOG				
6 5 4	Stereo CAD-3D Objects Graphics Image	3D2				
6 5 5	QuickDraw 3D Metafile	3DMF				
6 5 6	MS Visual Studio Properties	VSPROPS				
6 5 7	[Deleted]Corel Custom Palette					
6 5 8	Wise Installer Log	LOG				
6 5 9	Andrew Toolkit Raster Image	ATK, CMU				
6 6 0	Log File (Unknown Source)	LOG				
6 6 1	MS Search System Index	0				
6 6 2	Reality AdLib Tracker 2-op FM Music	RAD				

6 6 3	Media Direct Configuration	KC				
6 6 4	Raster Document Object	RDO				
6 6 5	Commodore Power 64 Memory Image					
6 6 6	Norton Spam Filter Pattern	SPM				
6 6 7	Gaussian Cube Image	CUBE				
6 6 8	DataCAD Drawing File	DC5				
6 6 9	Desktop Color Separation	DCS, EPS				
6 7 0	Digital Document Interchange Format Image	DDIF				
6 7 1	Photo Lab File	EFIF				
6 7 2	Descent Demo	DEM				

6 7 3	[Deleted] SoundCap/SoundEd it Recorded In					
6 7 4	MicroStation CAD Drawing	DGN				
6 7 5	Sound Designer I Audio File	DIG				
6 7 6	DownLoadable MIDI Sounds	DLS				
6 7 7	X-Tracker Music Module	DMF				
6 7 8	Delphi Diagram Portfolio	DDP				
6 7 9	MS Visual Basic.NET Project	VBPROJ, USER		Y		
6 8 0	MS Visual Studio.NET Src Safe Code Cnt	VSPSCC				
6 8 1	Micrografx Designer Image	DS4, DSF				
6 8 2	Doom Saved Game	DSG, SAVE				

6 8 3	MS Developer Studio Macro	DSM				
6 8 4	eXtensible ARchiver Archive	XAR				
6 8 5	Orchida Tajima Home Embroidery Image	DST				
6 8 6	SGML Document Type Definition	DTD, ENT, XML				
6 8 7	Digital Terrain Elevation Data	DTED, DT0, DT1, DT2, AVG, MIN, MAX				
6 8 8	DigiTrakker module	DTM, MDL				
6 8 9	MS Dial-up Networking Export	DUN				
6 9 0	Digital Video Movie	DV				
6 9 1	DiamondWare Digitized Audio	DWD				
6 9 2	AutoDesk Web Graphics Image	DWF				

6 9 3	LuraDocument Format Image	LDF				
6 9 4	[Deleted]Ensoniq ASR Disk Image					
6 9 5	[Deleted] FrameMaker Element Definition					
6 9 6	Ensoniq EPS Instrument	EFE				
6 9 7	[Deleted]Ensoniq KT Disk Image					
6 9 8	[Deleted]Ensoniq SQ1/SQ2/KS32 Disk Imag					
6 9 9	[Deleted]Ensoniq SQ80 Disk Image					
7 0 0	[Deleted]Ensoniq VFX-SD Disk Image					
7 0 1	Electric Image File	EIDI, EI				
7 0 2	MS Windows Enhanced Metafile	EMF, TMP, WMF		Y		

703	Internet Message	EML, TXT	Y	Y		
704	[Deleted]Enhanced Perl-Parsed HTML					
705	Adobe PostScript Font (MacBinary)	PFB				
706	Extension-Sort Packer Archive	ESP				
707	MS Encarta Document	EWL				
708	MS Word Exclusion Dictionary	EXC				
709	[Deleted]Farandoye Linear Module					
710	[Deleted]Farandoye Blocked Linear Modu					
711	Jupiter Ace Snapshot	ACE				
712	Farandoye Composer Music Module	FAR				

7 1 3	MS Outlook Navigation Bar	FAV				
7 1 4	Facsimile Group 3 Image	FAX, G3				
7 1 5	Slim! Compressed Archive	FB				
7 1 6	Virtual CDROM File	FCD				
7 1 7	Fiasco Database	FDB, FDAT, FPR, FREC				
7 1 8	MS PowerPoint Slides (XML)	PPT, PPS, XML, HTM, MHT	Y	Y		
7 1 9	[Deleted]CADRE Finite Element Mesh File					
7 2 0	MS Fast Find Index	FFA, FFL, FFO, FFX				
7 2 1	Gravis UltraSound PnP InterWave Patch	FFF				
7 2 2	Virtual World Interchange File	FFIVW				

7 2 3	IBM DCA Final Form Text	FFT				
7 2 4	Freehand 5 Drawing (MacBinary)	FH5				
7 2 5	Fractal Image	FIF				
7 2 6	Flexible Image Transport System Bitmap	FITS, FIT, FTS, LST				
7 2 7	Flash Movie	FLA				
7 2 8	Figlet Font	FLF				
7 2 9	Openflight Scene Description 3D Model	FLT				
7 3 0	FrameMaker Document	FM, FRM				
7 3 1	Oracle Binary Form Source Code	FMB				
7 3 2	GetRight File Mirror List	FML				

7 3 3	Oracle Executable Form	FMX				
7 3 4	[Deleted]Font Navigator Font Group File					
7 3 5	FunkTracker Module	FNK				
7 3 6	Fontographer Font (MacBinary)	FOG				
7 3 7	[Deleted]Freedom of the Press Bitmap					
7 3 8	FileMaker Pro Database	FP, FP3, FPT, FMP, FP5				
7 3 9	[Deleted]Flying Pigs for Windows Data					
7 4 0	FlashPix Bitmap	FPX, CPX, FMP				
7 4 1	MS FoxPro Report File	FRT, FRX, PJT, MNT, LBT				
7 4 2	[Deleted]fPrint Audit Tool File					

7 4 3	Paradox Form	FSL				
7 4 4	Farandoyle Sample File	FSM				
7 4 5	Lotus Notes Full Text Index	FT				
7 4 6	Framework II Database	FW2, FWK				
7 4 7	Framework III Database	FW3				
7 4 8	Framework IV Database	FW4				
7 4 9	3D Frogger Game Data	MWD				
7 5 0	[Deleted]Casio FZ- 51 Bank Dump					
7 5 1	[Deleted]Casio FZ- 51 Full Dump					
7 5 2	[Deleted]Casio FZ- 51 Voice Dump					

7 5 3	NeXT/Sun/UNIX Sound CCITT G.721 Raw 4 bit ADPCM	G721				
7 5 4	NeXT/Sun/UNIX Sound CCITT G.723 Raw 3 bit ADPCM	G723				
7 5 5	GenePix Array List	GAL, GPR				
7 5 6	Generic CADD Drawing	GCD				
7 5 7	[Deleted]Ground Control Point File					
7 5 8	GVA2000 Author Lecture	GDB				
7 5 9	GEDCOM Genealogical Data File	GED				
7 6 0	Ventura Generated Text File	GEN				
7 6 1	GetRight Unfinished Download	GETRIGHT				
7 6 2	[Deleted] Patton&Patton Flowcharting 4 C					

7 6 3	Linksys Router Configuration Backup	BIN				
7 6 4	[Deleted]Gravis GripKey Document					
7 6 5	Micro Focus Generated Code	GNT				
7 6 6	[Deleted]GraphOn Bitmap					
7 6 7	[Deleted]Gould Scanner Bitmap					
7 6 8	MS Excel Graph	GRA				
7 6 9	MS ActiveMovie Graph	GRF				
7 7 0	Gridded Binary Image	GRIB, GRB				
7 7 1	Raw GSM 6.10 Audio Stream	GSM				
7 7 2	Graoumftracker New Music Module	GT2				

7 7 3	[Deleted] Graoumftracker Old Music Modul					
7 7 4	Sound Tools File	HCOM				
7 7 5	Hierarchical Data Format File (v4)	HDF				
7 7 6	[Deleted]HighEdit Document					
7 7 7	[Deleted]MS Hellbender Saved Game					
7 7 8	HP Graphics Language Drawing	HGL, HPGL, PLT, HPG				
7 7 9	[Deleted]Hitachi Raster File					
7 8 0	Descent Mission	HOG				
7 8 1	MS Visual Studio Help Project	HPJ				
7 8 2	[Deleted]C++ Program Header					

7 8 3	History file (Unknown Source)	HST				
7 8 4	Extended HTML Template	HTX				
7 8 5	Descent Property Resource Data	HXM, HAM				
7 8 6	[Deleted]Image Access eXecutive Bitmap					
7 8 7	Citrix Independent Computer Architecture File	ICA				
7 8 8	Kodak YCC Printer Image	ICC, YCC				
7 8 9	Icon Library File	ICL				
7 9 0	Sun Icon/Cursor Image	ICON, CURSOR, PR, ICO				
7 9 1	NCSA Interactive Color Raster Image	ICR				
7 9 2	MS MIDI Instrument Definition (Intel)	IDD, IDF				

7 9 3	[Deleted]Internet Data Query File					
7 9 4	Sun TAAC Image File	TAAC, VFF, SUNIFF, IFF				
7 9 5	Initial Graphics Exchange Specification	IGES, IGS				
7 9 6	[Deleted]Inset Systems Metafile					
7 9 7	Intuit Interchange Format Data	IIF				
7 9 8	WinImage file	IMA, WIL, DAT				
7 9 9	Oracle Form 3.0 Source Code	INP				
8 0 0	PUT Compressed Archive	PUT, INS				
8 0 1	Findit Document	IOF				
8 0 2	MS Internet Inquiry File	IQY, IGY				

8 0 31)	ISO 9660 CD-ROM Image (Data Mode)	ISO				
8 0 4	ImageStyler	IST				
8 0 5	Impulse Tracker Music Module	IT				
8 0 6	Internet Document Set	ITS				
8 0 7	Open Inventor 3d Scene (ASCII)	IV, IRIS, INVENTOR				
8 0 8	Open Inventor 3d Scene (Binary)	IV, IRIS, INVENTOR				
8 0 9	YAODL 3D Scene	YAODL, YDL				
8 1 0 Cache	Paint Shop Pro Image Browser	JBF				
8 1 1 F	[Deleted]SAS JMP Discovery Statistics					
8 1 2	[Deleted]Jill of the Jungle Data File					

8 1 3	Java Server Page	JSP, JS		Y		
8 1 4	Kurzweil 2500 Sample	K25				
8 1 5	Karaoke MIDI File	KAR, MID, MF				
8 1 6	Kodak Photo Enhancer Image	KDC				
8 1 7	Kaspersky Anti- virus Toolkit Key	KEY				
8 1 8	KoFax Group 4 Facsimile Image	KFX				
8 1 9	[Deleted]Kodak Digital Postcard File					
8 2 0	RoboHELP K- keywords Project Index	KKW				
8 2 1	Korg Trinity/Triton Multisample	KMP				
8 2 2	Konica Quality Picture Native Camera Image	KQP				

8 2 3	Kurzweil 2000 Sample	KR1, KRZ				
8 2 4	Korg Trinity/Triton Sound Sample	KSF				
8 2 5	Kye Game Data	KYE				
8 2 6	SAdT Music Composer Module/Song	SAT				
8 2 7	TV Paint Image					
8 2 9	MS Access Lock File	LDB				
8 3 0	[Deleted]Corel Paradox Delivered Librar					
8 3 1	Legacy Document	LEG				
8 3 2	[Deleted]Logitech Entertainment System					
8 3	BGBlitz Position Database	PDB				

3						
8 3 4	[Deleted]DataCAD Line Type File					
8 3 5	List Machine Image	LISPM, LISP				
8 3 6	HP Printer Control Language Image (PJL)	PCL, PRN, PJ, PJXL				
8 3 7	[Deleted]Laplink Exchange Agent					
8 3 8	Helix Nuts and Bolts Stronghold Encrypted Archive	SAF, LPD				
8 3 9	[Deleted]Intel Video Phone Language Res					
8 4 0	[Deleted]Corel Paradox Saved Library					
8 4 1	HP Graphics Language Drawing (PJL)	HPGL, HGL, PLT				
8 4 2	[Deleted] ThoughtWing Library Unit File					
8 4	[Deleted]Miner Descent/D2 Level					

3	Extensi					
8 4 4	Dymo DLS Label File	LWL				
8 4 5	LightWave 3D Object	LWOB, LWO				
8 4 6	Lotus Word Pro 96/97 Document	LWP, MWP				
8 4 7	LightWave 3D Scene	LWSC, LWS				
8 4 8	DataCAD Layer File	LYR				
8 4 9	[Deleted]Skyroads Data File					
8 5 0	Corel Motion 3D Animation	M3D				
8 5 1	MS Access Module	MAD				
8 5 2	MS Access Form	MAF				

8 5 3	Applixware Document	AG				
8 5 4	MS Access Macro	MAM				
8 5 5	Manual Page Output	MAN, n				
8 5 6	MS Access Query	MAQ				
8 5 7	Mozilla Archive	MAR				
8 5 8	Lotus Freelance Graphics Smartmaster Look	MAS				
8 5 9	PS2 Powersave File	MAX				
8 6 0	[Deleted]MS Hover Maze Data					
8 6 1	[Deleted]Monster Bash Data File					
8 6 2	Berkeley UNIX Mailbox Format	MBOX, MBX				Y

8 6 3	Eudora Mailbox	MBX				Y
8 6 4	[Deleted]DataCAD Keyboard Macro					
8 6 5	MS Access Database	MDE				
8 6 6	[Deleted]MS Access Blank Database Templ					
8 6 7	QuickLink Mobile Phonebook	PBOOK				
8 6 8	Fractal Forge Fractal Parameters	MND				
8 6 9	OS/2 Presentation Manager Metafile	MET				
8 7 0	Monarch Graphic Image	MGF				
8 7 1	[Deleted]MS Image Composer File					
8 7 2	FrameMaker Interchange File	MIF		Y		

8 7 3	Machine Independent File Format Image	MIFF, MIF				
8 7 4	Earthlink Email Message Index	MIF				
8 7 5	Mitsubishi Color Sublimation Printer Image	MITSU				
8 7 6	MS Visual Studio.NET Perform. Session	PSESS				
8 7 7	Synthetic Music Mobile Application Sound	MMF				
8 7 8	Mindmaper MindManager Map	MMP				
8 7 9	Descent 2 Mission File	MN2				
8 8 0	[Deleted]MNI Mandelbrot Image					
8 8 1	Multi-Image Network Graphics Animation	MNG				
8 8 2	MS FoxPro menus	MNT, MNX				

8 8 3	[Deleted]MS FoxPro menus (compiled)					
8 8 4	Atari MSA Disk Image	MSA				
8 8 5	Manchester Scene Description Language	MSDL				
8 8 6	[Deleted]Microsoft Network Document					
8 8 7	MTV Video	MTV				
8 8 8	[Deleted]Microsoft Multimedia Viewer Fi					
8 8 9	Lotus Word Pro 97 Smartmaster	MWP				
8 9 0	[Deleted] Nanoscope File					
8 9 1	Lotus Notes Internal Clipboard	NCF				
8 9 2	[Deleted]Nendo 3D Low-Polygon Modeler					

8 9 3	NeoChrome Bitmap Image	NEO				
8 9 4	NeWS Bitmap Font	NEWS				
8 9 5	WildTangent Compressed Wave Sound	WWV				
8 9 6	SPHERE Speech Recognition Waveform	NIST, SPH				
8 9 7	National Imagery Transmission Format Image v1.0	NITF, NTF, NSIF				
8 9 8	Oracle 7 Data	NLB				
8 9 9	WildTangent Game Data	CDAS, CDANFO, CDAET, WTCFG, CDAED, CDAES				
9 0 0	Lotus Notes Database Storage Facility	NS2, NSF, NTF, NDL, NS#, NSG, NSH				Y
9 0 1	MS Foundation Classes (MFC) Wizard	CLW				
9 0 2	AVHRR Satellite Image	NOAA, GOES, SST				

9 0 3	Nonlinear Uniform Rational BSpl	NURBS, TXT				
9 0 4	Noteworthy Composer Song	NWC				
9 0 5	Typhoon Voice File	001				
9 0 6	Object Oriented Graphics Library: Quadrilaterals (ASCII)	QUAD				
9 0 7	CD Catalog Localization Dictionary	CAT				
9 0 8	PowerBASIC Debugger Symbols	PDB, PBD				
9 0 9	MS Outlook Form Template	OFT	Y	Y		
9 1 0	Oktalyzer Tracker Music Module	OKT				
9 1 1	MS OLE Object Library	OLB				
9 1	Psion Series 3 Word Document	WRD				

2						
9 1 3	Symbian Organiser Executable	OPO				
9 1 4	MS Developer Studio Workspace Options	OPT				
9 1 5	OrgPlus Organization Chart	OPX				
9 1 6	Lotus Organizer File	ORG, OR2, OR3				
9 1 7	Oracle 7 Configuration	ORA, SIZ, VRF, PIN				
9 1 8	Oracle 7 Script	ORC				
9 1 9	MS Office Saved Search	OSS				
9 2 0	MS Exchange/Outlook Offline Storage (97-2002)	OST				Y
9 2 1	Fookes Super NoteTab Template	OTL				

9 2 2	Tektronix Plot 10 Drawing	P10				
9 2 3	PageMaker 6.5 Publication (MacBinary)	P65				
9 2 4	PKCS Certificate / Digital ID	P7C, P10, P12, P7B				
9 2 5	Sound Blaster Studio II Package Song	PAC				
9 2 6	Corel Draw Vector Pattern	PAT				
9 2 7	PowerBuilder Dynamic Library	PBD, DLL				
9 2 8	TurboTax Form (1)	1PE, 1PH				
9 2 9	MS Phonebook	PBK				
9 3 0	PowerBuilder Library	PBL				
9 3 1	PowerBASIC Resource	PBR				

9 3 2	Kodak Photo CD Image	PCD				
9 3 3	Eudora Email Message	EML, TXT	Y	Y		
9 3 4	OKI MSM6376 Synthesizer Chip PCM File	PCM				
9 3 5	Norton Virus Definitions (compressed)					
9 3 6	PICS Animation	PCS				
9 3 7	MS Package Definition File	PDF				
9 3 8	NASA Planetary Data Systems Image	PDS, IMG				
9 3 9	Aladdin Systems Private File	PF				
9 4 0	Aladdin Systems File Component	PFC				
9 4 1	HP Plotter Language Drawing	PGL, HPGL				

9 4 2	Pretty Good Privacy Key/Signature/Data	PGP				
9 4 3	MS Help Compiler Phrase Table	PH				
9 4 4	Perl-Parsed HTML	PHTML				
9 4 5	Pixar Picture	PICIO, PIXAR, PIC, PXR				
9 4 6	piAccess Mail / Link	PIL				
9 4 7	PINs encrypted data	PINS				
9 4 8	MPEG-4 Audio Lossless Coding Standard	ALS				
9 4 9	PABX Background Bitmap	PIX				
9 5 0	PixelPaint Professional Image	PIXELPAINT				
9 5	Macintosh Desktop Database					

1						
952	MS Visual Foxpro Project	PJT, PJX				
953	MS Setup Package	PKG				
954	Lotus Organiser Paper Layout Definition	PLT				
955	Perl Application	PL				
956	Oracle 7 Data Description	PLI				
957	DisorderTracker 2 Module	PLM				
958	UNIX Plot(5) File	PLOT				
959	WinAmp MPEG Play List	PLS				
960	AutoCAD Plot Drawing	PLT				
966	Polygon Model Format	PLY				

1						
9 6 2	PageMaker 4.0 Document	PM4				
9 6 3	PageMaker 5.0 Document (MacBinary)	PM5				
9 6 4	PageMaker 6.0 Document (MacBinary)	PM6				
9 6 5	Portable Network Graphics Bitmap	PNG			Y	
9 6 6	MacPaint Bitmap	PNT, MAC, MPNT, MACP, PNTG, PAINT				
9 6 7	Descent Alternative Texture Set	POG				
9 6 8	Persistence of Vision Ray-Tracer	POV, INC				
9 6 9	Picture Publisher Bitmap	PP4, PP5				
9 7 0	PlayStation Patch File	PPF				
9 7	Picture Pump Project	PPP				

1						
9 7 2	Palm OS Resource File	PRC				
9 7 3	Lotus Freelance Presentation	PRE				
9 7 4	Harvard Graphics Presentation	PRS, SH3				
9 7 5	PsiMail Internet Provider Template	PRV				
9 7 6	Lotus Freelance Graphics 97 File	PRZ, DGM, SMC, MAS, SYM, PRE, BW, PAL				
9 7 7	Pinnacle Sound Bank	PSB				
9 7 8	Symbian/Psion A- Law Voice Note Audio	PSI				
9 7 9	Protracker Studio Module	PSM				
9 8 0	PolyTracker Music Module	PTM				
9 8	Printronix Graphics File	PTX				

1						
9 8 2	Across Crossword Puzzle	PUZZ, PUZ				
9 8 3	MS Pocket Word Document	PWD				
9 8 4	Smith Corona Word Processor Document	PWP				
9 8 5	MS PowerPoint Wizard	PWZ				
9 8 6	MS Pocket Excel Spreadsheet	PXL				
9 8 7	Python Tkinter / UNIX Shell Script	PY, PYC, TCL, SH, PL				
9 8 8	QuickArt Document	QAD, PF				
9 8 9	QuickBooks for Windows Data	QBW				
9 9 0	Quick Ray Trace	QRT				
9 9	Family Lawyer Document	QFL				

1						
9	MS Quarter-Inch 9 Cartridge Backup 2 Set	QIC				
9	Quicken 9 Interchange 3 Format	QIF				
9	Google Earth 9 Language 4 Definition	QM				
9	MS Query 9 5	QRY				
9	Zelda Classic Quest 9 Data 6	QST				
9	QuickTime Image 9 7	QTI, QTIF, QTS, QTX, QIF				
9	QuickTime 9 Preferences File 8	QTP				
9	Q&A Write 9 Document 9	QW				
1	Quark XPress 0 Document/Templat 0 e (English, Intel) 0	QXD, QXT, QWD, QWT, QXL, QXB				

1 0 0 1	REBOL Script / Data	R				
1 0 2	RealMedia Audio Sound	RA, RAM				
1 0 3	Pision Series 3 Bitmap	PIC				
1 0 4	RealPlayer Selected Track	STE				
1 0 5	Rayshade 3D Scene	RAY, SHADE				
1 0 6	RoboHELP Project Information	RBH				
1 0 7	XML Resource Description Framework	RDF				
1 0	Descent Registered Level	RDL, RL2				

0 8						
1 0 0 9	MS Recorder Macro	REC				
1 0 1 0	IBM DCA Revisable Form Text	RFT				
1 0 1 1	RenderMan Interface Bytestream	RIB				
1 0 1 2	Letraset Image	RIFF				
1 0 1 3	Descent 2 Registered Level	RL2				
1 0 1 4	Alias Wavefront Raster Image	RLA, RLB				
1 0 1 5	RealMedia Audio/Video Stream	RM, RMJ, RAM, RA, RT, RP, RPA				

1 0 1 6	MS RegMaid Document	RMD				
1 0 1 7	Rich Map File	RMF				
1 0 1 8	Rescue Rover Data	ROV				
1 0 1 9	Red Hat Package Manager Archive	RPM				
1 0 2 0	Crystal Report	RPT				
1 0 2 1	Road Rash Saved Game	RRS				
1 0 2 2	Paradox 7 Report	RSL				
1 0	Real Tracker Music Module	RTM				

2						
3						
1024	InstallShield Log	ILG				
1025	MS Scan Configuration	RVP				
1026	Scream Tracker v3 Instrument/Sample	S3I, SMP, SND				
1027	AMI Professional Document / Styles	SAM, AMI, STY		Y		
1028	SFzip SoundFont Archive	SFZ				
1029	Macintosh Bitmap Display Font (MacBinary)					
1030	Shockwave Movie Object	MOO				

1MS Schedule+ 0Schedule 3 1	SC2, SCD				
1Thunderscan 0Image 3 2	SCAN				
1MS Visual Source 0Safe Code Control 3 3	SCC				
1Sculpt3D Scene 0Model 3 4	SCENE				
1MS Windows 0Explorer Command 3File 5	SCF, ISK				
1PSpice Schematic 0 3 6	SCH				
1ScanVec Inspire 0Native File 3 7	SCI				
1Pinnacle Studio 0Scene	SCN				

38						
13039	3D Ultra Pinball Game Archive	TBV				
1040	Orbiter Scenario	SCN				
1041	MS FoxPro Form	SCX, VCX				
1042	Sound Designer 1 Audio File	SD				
1043	Sound Designer 2 Flattened File	SD2				
1044	Standard-Delay-Format	SDF				
1045	Roland S-series Floppy Image	SDK				

1046	SmartDraw Library	SDL				
1047	Spatial Data Modelling Language	SDML				
1048	SmartDraw Drawing	SDR				
1049	Midi Sample Dump Standard (raw)	SDS				
1050	SmartDraw Template	SDT				
1051	Semicolon Divided Values File	SDV				
1052	StarWriter Document / Template	SDW, VOR				
1053	Midi Sample Dump Standard (comp)	SDX				

53						
1054	Cool Edit Session File	SES				
1055	E-mu SoundFont 2.0 MIDI Bank	SF2, SBK				
1065	SoundStage Sound File Data	SFD				
1075	SoundStage Sound File Information	SFI				
1085	Sonic Foundry MIDI Sysex Sample Resource	SFR				
1095	Seattle Film Works JPEG Image	SFW				
11060	Standard Generalized Markup Language	SGML, XML, HTM, HTML				

1 0 6 1	Silicon Graphics Object	SGO				
1 0 6 2	Corel Show Slide Presentation	SHB, SHW				
1 0 6 3	ArcView GIS Shape	SHP, SHX				
1 0 6 4	Prosa State Transition Diagram Model	STM				
1 0 6 5	DEC LN03+ Sixel Graphic Image	SIX, SIXEL, LN03				
1 0 6 6	Pretty Good Privacy (PGP) Private Keyring	SKA, SKR				
1 0 6 7	Macromedia Director Resources (MacBinary)	SKL				
1 0	AutoCAD Slide Library	SLB				

6						
8						
1069	AutoCAD Slide	SLD				
1070	DataCAD Symbol File	SM3				
1071	3D Ultra Mini Golf Game Archive	RBX				
1073	Spectrum 512 Smooshed Image	SPC, SPU, SPS				
1074	Splint Archive	SPL				
1075	SPOT Satellite Image	SPOT				
1080	Sound Shop Sound					

7						
6						
1 0 7 7	MS Visual Studio.NET DB Discovery	VSDISCO, DISCO				
1 0 7 8	Structured Query Language Code	SQC				
1 0 7 9	Structured Query Language Query	SQL				
1 0 8 0	Structured Query Language Report / Program	SQR				
1 0 8 1	Enable Spreadsheet	SSF				
1 0 8 2	Atari ST Minix Disk Image	ST				
1 0 8 3	Simple Vector Format Image	SVF				

1 0 8 4	Shockwave Audio	SWA				
1 0 8 5	Yamaha SY-Series Wave Sound	SYW				
1 0 8 6	Sonata CAD Modelling File	T2T				
1 0 8 7	Tape Archive File	TAR				Y
1 0 8 8	UNIX Compress Archive	Z, TAZ, TGZ, GZ, GTAR				Y
1 0 8 9	Thumbs Plus Database	DB, TDB				
1 0 9 0	PureVoice Audio	QCP				
1 0	PlayStation2 TIM2 Bitmap	TM2				

91						
1092	Tiger Map File	TIG				
1093	Eudora Mailbox Table of Contents (MacBinary)	TOC				
1094	Kodak Color Management System Profile	TOL, ICC				
1095	Cakewalk Overture Score	OVE				
1096	Teleport Pro Project	TPP				
1097	GeneRally Track	TRK				
1098	MS Terminal File	TRM				

1 0 9 9	MKS Source Integrity Project Use	TRN				
1 1 0 0	TabWorks File	TWF				
1 1 0 1	Tagwrite Template	TWW				
1 1 0 2	Descent Property Resource Interchange	HMEL				
1 1 0 3	Yamaha TX16W Wave Sound	TXW				
1 1 0 4	X-ray Diffraction Data	UDF				
1 1 0 5	Motif Icon File	UIL				
1 1	US Telephony Audio File	ULAW				

06						
107	Ultra Tracker Module Music	ULT				
108	MKS Source Integrity File	USE				
109	UU-Encoded File	UU, UUE, DAT				
110	UltraTracker Wave Audio	UWF				
111	FreeFlow Variable Information (VI) Project	VI				
112	MS Visual Basic Project	VBP		Y		
113	MS Visual Basic Workspace	VBW		Y		

1 1 1 4	MS Visual Basic Custom Control	VBX				
1 1 1 5	Visual CertExam Suite Exam	VCE				
1 1 1 6	MS FoxPro Class Library	VCT, VCX, SCT				
1 1 1 7	LABView Virtual Instrument	VI				
1 1 1 8	SymbOS VID Video	VID				
1 1 1 9	Khoros Visualization Image	VIFF, XV, VIF				
1 1 2 0	Norton AntiVirus Quarantined File					
1 1	VivoActive Streaming Video	VIV, VIVO				

2						
1						
1	Corel Ventura	VLB				
1	Library					
2						
2						
1	FaxWorks Audio	VMF				
1	File					
2						
3						
1	VORT Raster Image	VORT				
1						
2						
4						
1	VoxWare	VOX				
1	MetaVoice Encoded					
2	Audio					
5						
1	Ventura Publisher	VP				
1	Publication					
2						
6						
1	Yamaha Sound-VQ	VQE, VQL				
1	Locator					
2						
7						
1	Yamaha TwinVQF	VQF				
1	Music					
2						
8						

1 1 2 9	MusicMatch Theme File	MMZ				
1 1 3 0	MS Visio 3/4 Document/Drawing 3/Shapes/Te mplate	VSD, VSS, VST, VT		Y		
1 1 3 1	GetRight Download List	VSL				
1 1 3 2	MS Visio 2 Document/Drawing 3/Shapes/Te mplate	VSS, VSD, VST		Y		
1 1 3 3	MS Visio Workspace	VSW		Y		
1 1 3 4	Id Software Sprite (Quake 2)	WAL				
1 1 3 5	QuattroPro Spreadsheet	WB1, WB2, WB3		Y		
1 1	MS Write / Word Backup	WRI, WBK, TMP, DOC		Y		

36						
137	Argo WebLoad II Upload	WBL				
138	Crick Software WordBar File	WBR				
139	Crick Software WordBar Template	WBT				
140	MS Works Portfolio	WSB				
141	Xara Web Document	WEB				
142	Turtle Beach WaveFront Bank	WFB				
143	Turtle Beach WaveFront Drum Set	WFD				

1 1 4 4	Turtle Beach WaveFront Program	WFP				
1 1 4 5	Audition Play Data	ARP				
1 1 4 6	Logitech RSA Crypto Key	TXT				
1 1 4 7	MS Word/Publisher Wizard	WIZ				
1 1 4 8	Argo WebLoad I Upload	WLF				
1 1 4 9	MS Word Add-In	WLL, WWL				
1 1 5 0	Future Composer Music Module	WOW				
1 1	Enable Wordprocessor Document	WPF				

5 1						
1 1 5 2	Novel PerfectWorks Document	WPW				
1 1 5 3	QuattroPro for DOS Spreadsheet	WQ1, WQ2		Y		
1 1 5 4	Lotus Symphony Spreadsheet	WR1, WRK, WKS, SYM		Y		
1 1 5 5	Cakewalk Music Audio Project	WRK				
1 1 5 6	Wavelet Scalar Quantization Image	WVL				
1 1 5 7	Macromedia Extra Program Extension	X16, X32				
1 1 5 8	Advanced Visualizer 3D Object (ASCII)	OBJ				

1 1 5 9	Xara X Vector Drawing	XAR				
1 1 6 0	FastTracker 2 Instrument Sample	XI				
1 1 6 1	Wang Imaging File	XIF				
1 1 6 2	X11 Xim Toolkit File	XIM				
1 1 6 3	FastTracker 2 Extended Music Module	XM				
1 1 6 4	MS Exchange Shortcut/Link	XNK				
1 1 6 5	Xaos Tools Bitmap Image	XOS				
1 1	X11 Pixmap Image	XPM, PM				

6						
6						
1	Xargon Game Data	XR1				
1						
6						
7						
1	XTree Data	XTP				
1						
6						
8						
1	Yamaha XG Works	XWF				
1	MIDI File					
6						
9						
1	Subsampled Raw	Y, U, V				
1	YUV Bitmap					
7						
0						
1	Arts & Letters	YAL				
1	Clipart Library					
7						
1						
1	YBS Archive	YBS				
1						
7						
2						
1	Hacha Split File	0, n, nn				
1						
7						
3						

1MS Visual 1Studio.NET Web 7Information 4	WEBINFO				
1Zinc Interface 1Library Icon 7 5	ZINC				
1MS IIS RSA Crypto 1Machine Key 7 6					
1MS Windows 1Recycled Files 7 7					
1MS Outlook Address 1Book 7 8	OAB				
1MS Application 1Profile Settings 7 9	PIP				
1BlackBerry Data 1 8 0	ITB				
1MS Datamap Index 1	ID				

8 1						
1 1 8 2	MS Language Web Cache	ENG, DEU, ENU, ESN, FRA, ITA, NLD				
1 1 8 3	BlackBerry Data	ISH, BK0				
1 1 8 4	MS Proofing/Language Dictionary	LEX, DAT, SVE, NLD, FRA, DEU, THS				
1 1 8 5	MS Windows Event Log	EVT				
1 1 8 6	MS Exchange Settings	RWZ				
1 1 8 7	MS Windows CB Data	CBD				
1 1 8 8	Flash Video	FLV				

1 1 8 9	MS Software Policies	POL				
1 1 9 0	Unicode Extensions	UCE				
1 1 9 1	MS Outlook Remote Email	RHC				
1 1 9 2	MS Office Clip Art	MMC				
1 1 9 3	MS NT Operating System Loader					
1 1 9 4	BlackBerry Data	IL				
1 1 9 5	MS Exchange/Security Configuration Database (ESE)	EDB, SDB				
1 1	MapInfo Map	MAP				

96						
197	InstallShield Definition File	DAT, CDF, DEF, FDF, INI				
198	MS Windows COM+ Library	CLB, DAT, APL				
199	MS Internet Database Connector Documen	IDC				
200	MS Visual C Dependency File	DEP				
201	Norton Virus Definitions	DAT, KC, nnn				
202	MS Forms Cache	DAT				
203	MS Outlook Express Email Database	DBX				Y

1MS Windows NT 2System Driver 0 4	SYS				
1MS Datamap Index 2 0 5	IND				
1MS Visual C Build 2Log 0 6	PLG				
1MS Agent/Assistant 2Character 0 7	ACS, ACG, ACF				
1MS 2Office/Publisher 0Border 8	BDR				
1Sierra Game Data 2File 0 9	GRD				
1eFax Electronic Fax 2Document 1 0	EFX, JSD				
1MS Windows 2Installer Package / Wizard	MSI, MST, DAT, MSM, WID, WIM, CUB, PCP				

1						
1						
1	DVD MPEG2 Video	VOB				
2	Object File					
1						
2						
1	DOS Master Boot	DOS, SYS				
2	Record (MBR)					
1						
3						
1	MS Visual BASIC	BAS, VB, VBS, ASPX,		Y		
2	Source Code	ASCX				
1						
4						
1	WinPharoah Filter	FTR				
2						
1						
5						
1	Keyboard System	SYS				
2	Driver					
1						
6						
1	Sierra User Profile	LOG				
2						
1						
7						
1	Raima Arcserve	00?, DAT				
2	Database					
1						
8						

1 DVD Video Manager 2 Data 1 9	BUP, IFO				
1 MS DirectMusic 2 Support File 2 0	TPJ, TPL, PER, CDM				
1 Adobe Acrobat 2 Capture Index 2 1	NDX				
1 Canon Digital 2 Camera Picture 2 Catalog 2	CTG				
1 MS Visual BASIC 2 Form 2 3	FRM, CTL		Y		
1 MS Visual BASIC 2 Form Index 2 4	FRX				
1 MS Visual BASIC 2 Script/Header 2 5	ASP, ASA, INC, BAS, ASPX, ASMX, ASAX, AS		Y		
1 MS Datamap Data 2	DAT				

2 6						
1 2 2 7	Active Template Library Template	CPP, H, IDL				
1 2 2 8	Active Template Library Control	CTL				
1 2 2 9	DELL Program Diskette Image	IMG				
1 2 3 0	UUNET Dial-in Script	SCR				
1 2 3 1	MS Temporary Disk File	TDF, TD2				
1 2 3 2	MS Windows Profile System File	DAT, LOG, ADR				
1 2 3 3	MS Windows Security Catalog	CAT				

1 2 3 4	WBEM Managed Object Format	MOF, MFL				
1 2 3 5	Character Set View	CSV				
1 2 3 6	MS Windows System Event Log	LOG, ALT, LO_				
1 2 3 7	MS Windows Registry Log	LOG				
1 2 3 8	Link Notebook Chart	LNB, ANB				
1 2 3 9	MPEG Music File (+ID3v2 Tags)	MP3, MP2, MPGA				
1 2 4 0	Configuration File (Binary)	CFG, CNF				
1 2	Palm OS Expenses	DAT, BAK, DB				

4 1						
1 2 4 2	Text File: Unicode/DoubleByte/UTF-16LE	TXT, DOC, INI, INF, TEXT		Y		
1 2 4 3	Direct3D Object (Binary)	X, D3D, XIE				
1 2 4 4	Vista Digital Elevation Model Data	DEM				
1 2 4 5	Macintosh Disk Image	DMF, DMG				
1 2 4 6	Free Lossless Audio Codec	FLAC, FLA				
1 2 4 7	MS Office Document (XML)	XML, HTM, DOC, PPT, XLS, MHT	Y	Y		
1 2 4 8	MS Excel Spreadsheet (XML)	XLS, XML, HTM, MHT	Y	Y		

1 2 4 9	MS Word Document (XML)	DOC, XML, HTM, HTML, MHT	Y	Y		
1 2 5 0	UNIX Program/Program Library (64-bit)	ELF				
1 2 5 1	UNIX Program Library (64-bit)	SO				
1 2 5 2	RAR Compressed Archive	RAR, Rnn, Snn				Y
1 2 5 3	MS Project (ANSI)	MPX		Y		
1 2 5 4	Text File (UTF-8)	TXT, INI, TEXT,		Y		
1 2 5 5	Workshare DeltaView File	WDF				
1 2	Source Code (General)	PAS, C, CPP, JS, H, VB, VBS				

5						
6						
1	InterActual	ID				
2	Installer Disk					
5	Identifier					
7						
1	Tab Separated	TSV, TXT, TEXT, LOG		Y		
2	Values Text File					
5						
8						
1	MS Windows Media	WMV, WMA, ASF,				
2	Active Stream	ASR, DVR-MS				
5						
9						
1	Pro/ENGINEER	PRT, PTR				
2	Geographic Image					
6						
0						
1	Zinio Electronic	ZNO				
2	Magazine					
6						
1	Internet Message	EML, TXT, MHT,	Y	Y		
2	(MIME)	MIM, MME, MIME,				
6		MSG				
2						
1	Internet Message	EML, TXT	Y	Y		
2	(UU-Encoded)					
6						
3						

1 Scalable Vector 2 Graphics Image 6 4	SVG				
1 Sonic Foundry ACID 2 3 Music 6 5	ACD				
1 QuickTime Xtra 2 Plug-in 6 6	X16, X32, 68K, PPC, APP				
1 CD-ROM Autoplay 2 Menu 6 7	APM				
1 MS Album Media 2 Database 6 8	ABM				
1 America Online 2 Address Book 6 Index 9	ABI				
1 America Online 2 Address Book 7 0	ABY				
1 America Online 2 Buddies List	BAG				

7 1						
1 2 7 2	PKZip Archive Split File	CA1, CA2, CA3, CA4, CA5, CA6, CA7, CAn				
1 2 7 3	MS Speech Recognition Engine Data	AM, DLM, LXA, NGR, SMP				
1 2 7 4	Borland Text Language Dictionary	BTL				
1 2 7 5	MS Step by Step Interactive Training	CBZ, LDZ				
1 2 7 6	WordPerfect Office Color Correction	CC, PF, ICM				
1 2 7 7	Borland Graphics Interface Stroke Font	CHR				
1 2 7 8	MS HTML Help Index	CHS				

1 2 7 9	Easy CD Creator Project Layout	CL5				
1 2 8 0	Adobe Acrobat Linguistics Index	CLX				
1 2 8 1	BroadJump Character Set Conversion	CNV, DAT				
1 2 8 2	MS Office FAX Cover Page	CVP				
1 2 8 3	PC Stomper Data File	DB1, DSX, DWR, LGS, SY0, DST, DSN, APO				
1 2 8 4	MS Dr. Watson Memory Dump	DMP, HDMP, MDMP				
1 2 8 5	Turbo Compiler Context File	DSK				
1 2	MS Windows Application Log	DTC				

8 6						
1 2 8 7	MyDVD Style Template	DVD				
1 2 8 8	Ensoniq Waveset	ECW				
1 2 8 9	MS Windows Desktop Theme Elements	ELM				
1 2 9 0	America Online Data	GLF, PPK				
1 2 9 1	Gravis Xperience Joystick Gameset	GRX				
1 2 9 2	WebDesigner Template	HMP				
1 2 9 3	InstallShield Index	INX				

1 2 9 4	JPEG-2000 Bitmap Image	JP2, JPG2, JPX, MJ2, MJP2, JPM, J2K			Y	
1 2 9 5	MaxBlast Language Translation	LNG				
1 2 9 6	MS Office Imaging Language File	LNG, SHP, LC				
1 2 9 7	QuickTime Data	MAPPING, QDAT, QTR, BITMAP				
1 2 9 8	Xtra Cache	MCH				
1 2 9 9	McAfee VirusScan Quarantined File	MCQ				
1 3 0 0	MS Outlook AutoComplete File	NK2				
1 3	Network Exchange Map	NTXMAP				

0						
1						
1302	SCO Unix Driver	O				
1303	OpenType Compact Font Format	OTF				
1304	MS Publisher Wizard Template	POC				
1305	Paint Shop Pro Image	PSPIMAGE, PSPBRUSH, PSPFRAME, PSPSELECTI				
1306	Paint Shop Pro Deformation Map	PSPDEFORMATION, PSP				
1307	Paint Shop Pro Gradient	PSPGRADIENT, GRD, PSP				
1308	Quicken Data	QDF, QSD, ABD, CFG, DIR				

1309	Quicken Electronic Library	QEL, QFI, DAT, DES				
1310	WBEM Repository	REP				
1311	Addict Spell Check Dictionary	DCT				
1312	MS Visual Studio Compiled Resource	RSC, RSR				
1313	InstallShield Skin File	SKIN, SKN				
1314	MS Setup File	STF				
1315	TaxACT Form	TA0, TA1, TA2, TA3, TA4, TA8, TA9, TAn				
1316	RealMedia Metadata Backup	TMD				

1 6						
1 3 1 7	AddWeb Update	UPDATE, ADB				
1 3 1 8	Kretz JPEG Picture	V00				
1 3 1 9	MS Windows Media Database	WMDB, BIN, SDF				
1 3 2 0	XPCOM Type Library	XPT				
1 3 2 1	ZoomBrowser Database	ZBD				
1 3 2 2	Setup Information File Index	1				
1 3 2 3	Kolbe Test Results	ART				

1 3 2 4	WordPerfect Assistant Template	AST				
1 3 2 5	XBase/dBase Compount Index	CDX, DCX				
1 3 2 6	Norton Internet Security Definition	DAT				
1 3 2 7	PhotoSuite Picture Catalog	CTG				
1 3 2 8	Netscape Certificate/Securit y Database	DB, HST				
1 3 2 9	MS Windows Icon Cache Database	DB				
1 3 3 0	MS ISAM Database	DB, MNY				
1 3	Adobe Portable Document (MacBinary)	PDF	Y	Y	Y	

3 1						
1 3 3 2	JPEG File Interchange Format + MAC Resource Fork	JPG			Y	
1 3 3 3	America Online Internet Mail	IDX, LST				
1 3 3 4	America Online Index	IND				
1 3 3 5	America Online Personal File Cabinet	ORG, PFC, ARL, AUT, MAIL				
1 3 3 6	MS Visual C++ Precompiled Header Cache	PCC				
1 3 3 7	Palm OS Database/Documen t	PDB				
1 3 3 8	Adobe Acrobat Spelling Lexicon Dictionary	LEX				

1 3 3 9	Photo Express Pattern/Gallery	PST, SMP, PE4				
1 3 4 0	Java 2 MIDI Sound Bank / Rich Music Format Audio	GM, RMF				
1 3 4 1	Inno Setup Uninstall Log	DAT				
1 3 4 2	Interplay Movie	MVE				
1 3 4 3	Microsoft Network (MSN) Archive	MAR, MARC				
1 3 4 4	Microsoft Network (MSN) Data	DAT				
1 3 4 5	Graphics Workshop / GIF Cons Thumbnail	THN				
1 3	GTCoach Training Lesson	TRN				

4						
6						
1	MS 3D Pinball Data	DAT				
3						
4						
7						
1	InstallShield Data	BIN, CFG				
3						
4						
8						
1	FoxPro/RealMedia	DBF				
3	CD Tracks					
4	Database					
9						
1	lomega Loadable	ILM				
3	Driver Module					
5						
0						
1	MS Album Media	SCN				
3	Scene					
5						
1						
1	Adobe Acrobat					
3	Resource CMap					
5						
2						
1	BeOS Compiler	PROJ				
3	Project					
5						
3						

1 3 5 4	Musicmatch Visual Slide Show	MVS				
1 3 5 5	Paint Shop Pro Script	PSPSCRIPT, PSP				
1 3 5 6	MS Publisher Document	PUB	Y	Y		
1 3 5 7	MS Visual Basic Active Document	VBD		Y		
1 3 5 8	MS Picture It! Multilayer Picture	MIX				
1 3 5 9	Family Tree Database	FTW, FBK				
1 3 6 0	WordPerfect Document Template	WPX				
1 3	MS Windows Installer/Upgrade Patch	MSP, DAT				

6 1						
1 3 6 2	CrossePAC Compressed Archive	PAC				
1 3 6 3	Lossless Predictive Audio Compression	PAC, LPAC				
1 3 6 4	STAD Graphic Image	PAC				
1 3 6 5	Adobe PhotoShop Pattern	PAT				
1 3 6 6	Descent Texture Set	PIG				
1 3 6 7	Generic Sound Sample	SND, SOU				
1 3 6 8	Legal Hash Database(s) Match (Good)					

1 3 6 9	Legal Hash Database(s) Match (Bad)					
1 3 7 0	Corel Draw Workspace	CW_				
1 3 7 1	Internet Database Search Agent					
1 3 7 2	MS Outlook Email Account Settings	IAF				
1 3 7 3	WorldToolKit 3D Neutral File Format	NFF				
1 3 7 4	MS Windows Application Usage Log	LGC, LGD, LGG				
1 3 7 5	File Investigator 32.x Database	FIV, FIB, FID, FIP				
1 3	File Investigator Hash Code Database	FIH				

7						
6						
1 3 7 7	NIST NSRL Hash Database	TXT, CSV				
1 3 7 8	Paint Shop Pro Line Style	PSPSTYLEDLINE, PSP				
1 3 7 9	Concept Draw Drawing/Diagram	CDD				
1 3 8 0	Corel PhotoPaint Tone Curve	CRV				
1 3 8 1	MS Money Support File	CSM				
1 3 8 2	McAfee Firewall Log/Database	EDB, XDB, ELOG				
1 3 8 3	Corel Saved Search	FIN				

1 3 8 4	IconAuthor Font Style Template	FTT				
1 3 8 5	EnCase Hash Database	HASH				
1 3 8 6	JAWS for Windows Script	JSB				
1 3 8 7	MS .NET Framework Library Design Object	LDO				
1 3 8 8	America Online License	LIC				
1 3 8 9	McAfee Firewall Neotrace Locations	LOCA, LOC				
1 3 9 0	PhotoStudio Image	PSF, LOG				
1 3	Playstation Sound Format	PSF				

9 1						
1 3 9 2	PhotoDeluxe Support File	PSP				
1 3 9 3	Paint Shop Pro Support Data	PSPCACHE, PSP				
1 3 9 4	Kodak Precision Color Management System	PT				
1 3 9 5	MS PC Health Help Center Query	QUERY				
1 3 9 6	Corel Dream 3D Shader	SHA				
1 3 9 7	Corel PhotoPaint Shear Map	SHR				
1 3 9 8	IconAuthor SmartObject	SMT				

1 3 9 9	SoundBlaster Studio Song	SON				
1 4 0 0	Adobe Acrobat Plug-In	STC				
1 4 0 1	Corel Draw Texture	TEX				
1 4 0 2	Corel Thesaurus	THS				
1 4 0 3	BitTorrent Metainfo	TORRENT				
1 4 0 4	Corel Draw Script Texture	UDI				
1 4 0 5	Corel PhotoPaint User Defined Filter	USR				
1 4	Corel Compressed Image	WI				

06						
1407	Corel Support File	TPA, SCK				
1408	MS Office Profile Settings	OPS				
1409	America Online Connect Service Data					
1410	PhotoDeluxe Lighting Style Plug-in					
1411	Borland Database Engine Character Set	CVB				
1412	InfoSoft Localization Database	ENU, ESN, ITA, ENG				
1413	Windows NT Media Services Database					

1 4 1 4	Creative SoundFont Manager Data	SFM				
1 4 1 5	OmniPage Character Recognition Tree	BCT				
1 4 1 6	Zinio Electronic Magazine Annotations	ZNA				
1 4 1 7	BitTorrent Download Configuration	CONFIG				
1 4 1 8	Java Runtime Environment Time Zone Inf					
1 4 1 9	Java Runtime Environment Time Zone Map					
1 4 2 0	Corel Draw Mask	MSK				
1 4	Java Runtime Environment Certification					

2						
1						
1 4 2 2	NVidia MIDI Instrument Bank	BNK				
1 4 2 3	Harvard Graphics Draw Image	HDW				
1 4 2 4	Corel Color Match Profile	CCM				
1 4 2 5	WordPerfect Spelling Lexicon Dictionary	LEX, MOR, ADV				
1 4 2 6	Bzip Archive V2	BZ, BZ2, TBV2				Y
1 4 2 7	CPIO Archive	CPIO				
1 4 2 8	CRUSH Compressed Archive	CRU, CRUSH				

1429	HAP Archive	HAP				
1430	JAR Compressed Archive	JAR				Y
1431	JARCS Compressed Archive	JAR, J				Y
1432	Java Archive	JAR, ZIP, BASE, MZP				Y
1433	Lotus 123 Ver. 3 Format File	FM3				
1434	Lotus 123 Ver. 4 Format File	FMT				
1435	Lotus Approach Index	ADX				
1436	Dreamcast Audio	ADX				

36						
1437	Nintendo Entertainment System Sound	NSF, NSA				
1438	UFA Compressed Archive	UFA				
1439	Quark XPress Document/Templates (English, Motorola)	QXD, QXT, QWD, QWT, QXL, QXB				
1440	EnCase Evidence Segment	EVF, Enn, E01, EWF, Lnn, L01, Snn, S01				Y
1441	Novell LANalyzer Capture	TR1				
1442	TCPDump / Libpcap Capture					
1443	Quicken Price History	QPH				

1 4 4 4	WinPharoah Capture	ETH				
1 4 4 5	Chaser Saved Game	SAV				
1 4 4 6	SPSS Data	SAV				
1 4 4 7	Quicken QuickFinder Information	IDX				
1 4 4 8	QEMU Qcow Disk Image	IMG				
1 4 4 9	MS Windows Netmon Capture	CAP				
1 4 5 0	NetXRay/SnifferPro Capture	CAP				
1 4	EnCase Case Data	CAS, CBK				

5 1						
1 4 5 2	Pretty Good Privacy Public Keyring	PKR				
1 4 5 3	Forensic Toolkit (FTK) Evidence	DAT				
1 4 5 4	PestPatrol Scan Strings	DAT				
1 4 5 5	Atmos Snapshot	DAT, TAP				
1 4 5 6	Allegro Generic Data	DAT				
1 4 5 7	WinDump / Winpcap Capture	ACP, PCAP				
1 4 5 8	Set Bitmap	IMG				

1 4 5 9	GEM Raster Image	IMG				
1 4 6 0	Corel Dream 3D Model	D3D				
1 4 6 1	Corel Dream 3D Metafile	3DMF				
1 4 6 2	Pronto Remote Control Codes File	CCF				
1 4 6 3	MS SQL Server Database Tape Backup	BAK				
1 4 6 4	MS PipeLine Component File	PCF				
1 4 6 5	MS Visual J++ Project	VJP				
1 4	MS Visual Basic Group Project	VBG		Y		

6						
6						
1 4 6 7	MS Visual Studio Solution	SLN		Y		
1 4 6 8	MS Visual Studio Package Project	PKP				
1 4 6 9	License Package	LPK				
1 4 7 0	TrueSpace 3D Object (Binary)	COB, SCN				
1 4 7 1	MS DirectMusic Style	STY				
1 4 7 2	MS Network Driver Protocol Support	SX, SY, P				
1 4 7 3	Floppy Disk Image / MBR (FAT12)	IMG, DD				Y

1 4 7 4	HashKeeper Hash Database	TXT, HSH				
1 4 7 5	HashKeeper Hash Database Index	TXT, HKE				
1 4 7 6	XGS Apple IIGS Emulator 2IMG Disk Image	2MG, 2IMG				
1 4 7 7	Amapi 3D Model	A3D				
1 4 7 8	Opera Bookmark	ADR				
1 4 7 9	BIZ dVS Model/Object 2.0	B2Z, BMZ				
1 4 8 0	Virtual MC-10 Tape Image	C10				
1 4	Diablo II Game Character/Equipment	D2S				

8 1						
1 4 8 2	MS Reader Ebook (EBO)	EBO				
1 4 8 3	Electric Image 3D Image	FACT				
1 4 8 4	Vectrex Game	GAM				
1 4 8 5	Games Factory Game	GAM				
1 4 8 6	Text Adventure Development System Game Data	GAM				
1 4 8 7	Hex Workshop Hex Editor Bookmark	HBK				
1 4 8 8	HP Palmtop 100/200LX Icon	ICN				

1 4 8 9	Jacksum Meta-Info Hash Code List	JACKSUM				
1 4 9 0	Keynote Data	KNT				
1 4 9 1	Cinema 4D Layout	L4D				
1 4 9 2	Cinema 4D V5 Preferences					
1 4 9 3	Cinema 4D V5 Document					
1 4 9 4	Cinema 4D V5 Catalog					
1 4 9 5	Cinema 4D V5 Function Curve					
1 4	Cinema 4D Image	B3D				

96						
1497	Winamp MP3 Playlist	M3U				
1498	CoverDesigner CD Cover Image/Template	NCD, NCT				
1499	OpenDocument Office Document	ODT, O?I, O?G, O?F, O?C, O?T, OD?, OT?	Y	Y		
1500	MindRender VREK Object	ODT				
1501	Massive Development Package Archive	PAK				
1502	Quick3D Model Object	Q3O				
1503	Quick3D Model Scene	Q3S				

1 5 0 4	Yamaha Music Production Studio Seq.	R2A				
1 5 0 5	Yamaha Music Production Studio Pattern	R2P				
1 5 0 6	Yamaha Music Production Studio Song	R2S				
1 5 0 7	Yamaha Music Production Studio Sample	R3A, R3P				
1 5 0 8	Text Adventure Development System Img.	T3				
1 5 0 9	WinUAE Game Configuration	UAE				
1 5 1 0	Warcraft III Recorded Game	W3G, W3Z				
1 5	Warcraft III Game Map	W3M, W3X				

1						
1						
1	AutoDesk Inventor 5Export Journal	XLO				
1						
2						
1	yEnc Encoded File	YNC				
5						
1						
3						
1	Atari ST YM2149 5Module/Song	YM				
1						
4						
1	AbiWord 5Compressed 1Document	ZABW, GZ				
5						
1	AbiWord Document	ABW				
5						
1						
6						
1	NeoChrome 5Animation	ANI				
1						
7						
1	Deluxe Paint 5Animation	ANM				
1						
8						

17-Zip Archive 5 1 9	7Z, LZMA				Y
1Ai32 Archiver 5Archive 2 0	AI				
1MS Access Report / 5Snapshot 2 1	RPT, SNP	Y	Y		
1Amiga IFF/16SVX 5Sound 2 2	SND, IFF, LBM, SVX				
1Sims Game Data, 5The 2 3	IFF				
1PlayStation ADPCM 5Sound 2 4	VAG				
1Sonarc Compressed 5VOC Audio 2 5	VC				
1VOCPACK Lossless 5Compressed Audio	VP				

26						
1527	Sonic Foundry VideoEditor Wave64 Audio	W64				
1528	WavPack Lossless Compressed Audio	WV				
1529	Symbian 3a/3c/3mx Waveform Sound	WVE				
1530	Apple MPEG-4 ALE Audio	M4A, MP4, MPG4				
1531	WaveZIP Lossless Compressed Audio	MCP				
1532	MIO Compressed Audio	MIO				
1533	ACT Lossless Compressed Audio	MKW				

1 5 3 4	AAC MPEG-4 Audio	MP4, MPG4				
1 5 3 5	Musepack Audio	MPC				
1 5 3 6	AUPEC Audio	MV3				
1 5 3 7	OGG Vorbis Compressed Audio	OGG, OGA				
1 5 3 8	Sims Extensive Audio, The	XA				
1 5 3 9	Texas Instruments Calculator Data	92I, 89I, 86I, 85I, 83I, 82I, 73I, 80I				
1 5 4 0	Advanced Image Coding Image	AIC				
1 5	America Online Image	ART				

4 1						
1 5 4 2	OS/2 Bitmap Graphic Array	BGA				
1 5 4 3	ComputerEyes Raw Image	CE1, CE2				
1 5 4 4	Continuous Edge Graphic Image	CEG				
1 5 4 5	CH Compressor for Picture! Image	CHP				
1 5 4 6	Block DCT Compressor Image	KIF				
1 5 4 7	Cineon Bitmap	CIN				
1 5 4 8	Cinematic Video (Quake 2)	CIN				

1 5 4 9	MS Windows CMU Manager Bitmap	CMU				
1 5 5 0	DICOM Image	DICM, DCM				
1 5 5 1	Freehand 8 Document	FH8				
1 5 5 2	MS Repository Information Model	RDM				
1 5 5 3	MS Operating System Localization DB	nnn				
1 5 5 4	PFS: 1st Publisher Directory Summary	DIR				
1 5 5 5	Pro/ENGINEER Geographic Image Form	FRM				
1 5	SQL Server Database Changes Log	LDF				

5						
6						
1	SNMP MIB	MIB				
5	Definition					
5						
7						
1	Super Nintendo	SPC				
5	Music/Audio					
5						
8						
1	SpchComp Encoded	SPC				
5	Speech/Audio					
5						
9						
1	MS Access Report	SNP				
5	Snapshot					
6	(Compressed)					
0						
1	AlbumWrap Music	MP3				
5	Archive					
6						
1						
1	ALZip Compressed	ALZ				
5	Archive					
6						
2						
1	AIX Small Indexed	AR				
5	Archive (32bit)					
6						
3						

1 5 6 4	AIX Small Indexed Archive (32/64- bit)	AR				
1 5 6 5	ARX Compressed Archive	ARX				
1 5 6 6	Bag Compressed Archive	BAG				
1 5 6 7	Railroad Tycoon Building Category	BCA				
1 5 6 8	Railroad Tycoon Building Type	BTY				
1 5 6 9	Railroad Tycoon Locomotive Properties	LCO				
1 5 7 0	Railroad Tycoon Car/Cargo Properties	CAR, CTY				
1 5	Railroad Tycoon Packaged Graphics	PK4				

7 1						
1 5 7 2	Jetico Encrypted Archive	BCA				
1 5 7 3	Bee Compressed Archive	BEE				
1 5 7 4	BlackHole Compressed Archive	BH				
1 5 7 5	BioArc Compressed Archive	BIO				
1 5 7 6	BIX Compressed Archive	BIX				
1 5 7 7	BLINK Compressed Archive	BLI				
1 5 7 8	CAR Compressed Archive	CAR				

1 5 7 9	Cellsprings/Web or DT Rule File	CAR				
1 5 8 0	BOA Constrictor Compressed Archive	BOA, B58, B??				
1 5 8 1	BSA Packing Program Compressed Archive	BSN				
1 5 8 2	BZA Compressed Archive	BZA				
1 5 8 3	ChArc Compressed Archive	CHZ				
1 5 8 4	AUKTOOLS 2000 Compressed Archive	CMP				
1 5 8 5	CTXf Compressed Archive	CXF				
1 5	Dynamic Adaptive Compression Tool Archive					

86						
1587	DCA Compressed Archive	DCA				
1588	Digital G Codec Archive	DGC				
1589	Commodore 64 Emulator Disk Image	X64				
1590	WRaptor Compressed Archive (C64)	WRA				
1591	Commodore 64 Raw Cassette Tape Image	TAP				
1592	Commodore 64s Emulator Tape Image	T64				
1593	PlaySID Music	SID, PSID				

1594	RealSID Music	SID				
1595	LHarc Self Extracting Archive (C64)					
1596	Arc Self-Disolving Compressed Archive (C64)	SDA				
1597	PC Link Image	C64				
1598	PC64 Saved-Session Image	FRZ, C64				
1599	PC64 Native File	Pnn, Snn, Unn, Rnn				
1600	DIGILINEAR Compressed Archive	DLC				
1606	Disk Masher Compressed Disk Image	DMS				

0						
1						
1602	Amiga SoundTracker Music	EMD				
1603	Sims Archive, The	FAR				
1604	G Compressed Archive	GCA				
1605	WinXComp Grouped Compressed Archive	GCF				
1606	QLFC Compressed Archive	GQ				
1607	GRZip Compressed Archive	GRZ				
1608	GRZip II Compressed Archive	GRZ				

1609	GZA Compressed Archive	GZA				
1610	WinHki Compressed Archive	HKI				
1611	ICEOWS Compressed Archive	ICE				
1612	Jrchive Compressed Archive	JRC				
1613	KBOOM Compressed Archive					
1614	Limit Compressed Archive	LIM				
1615	lzop Compressed Archive	LZO				
1616	Micrognosis Compressed Archive	MCA				

1 6						
1 6 1 7	MDCD Compressed Archive	MD				
1 8	Broderbund Mohawk Archive	MHK				
1 6 1 9	MediaZip Compressed Archive	MZF				
1 6 2 0	OOP Compressed Archive	OOP				
1 6 2 1	PAQ1 Compressed Archive					
1 6 2 2	PAQ2 Compressed Archive					
1 6 2 3	PAQ3 Compressed Archive					

1 6 2 4	PAQ4 Compressed Archive					
1 6 2 5	PAQ5 Compressed Archive					
1 6 2 6	PAQ6 Compressed Archive					
1 6 2 7	PAKLEO Compressed Archive	PLL				
1 6 2 8	QuickFileCollection Archive	QFC				
1 6 2 9	QuArk Compressed Archive	ARK				
1 6 3 0	Streamline Compressed Archive	SAR				
1 6	SBC Compressed Audio	SBC				

3						
1						
1 6 3 2	SpinnerBaker eXtractor Compressed Archive	SB				
1 6 3 3	Software Game Archive	SGA				
1 6 3 4	Home World 2 Game Archive	BIG				
1 6 3 5	SKY Compressed Archive	SKY				
1 6 3 6	ReSOF Compressed Archive	SOF				
1 6 3 7	Squish Compressed Archive					
1 6 3 8	SQX Archiver Compressed Archive	SQX				

1 6 3 9	Squeeze Compressed Archive	SQZ				
1 6 4 0	SZip Compressed File	SZ, SZIP				
1 6 4 1	Transform Compressed File	TFM				
1 6 4 2	Telvox Compressed CODEC					
1 6 4 3	UltraCompressor II compressed archive	UC2				
1 6 4 4	WINDEV Compressed Archive	WDZ				
1 6 4 5	Warlords Battlecry Archive	XCR				
1 6	YAC Compressed Archive	YC				

4						
6						
1	BMF Bitmap Image	BMF				
6						
4						
7						
1	PictureMaker Red	R8				
6	Channel Image					
4	Data					
8						
1	PictureMaker	G8				
6	Green Channel					
4	Image Data					
9						
1	PictureMaker Blue	B8				
6	Channel Image					
5	Data					
0						
1	Hemera Photo-	HPI				
6	Object Image					
5						
1						
1	Total Annihilation	HPI				
6	Saved Game					
5						
2						
1	Hitachi Raster	HRF				
6	Format Image					
5						
3						

1 6 5 4	McIDAS System Satellite Image	GOE, GOES				
1 6 5 5	HRU Bitmap	HRU				
1 6 5 6	WaveL Wavelet Compressed Bitmap	IWC				
1 6 5 7	JBIG Raster Bitmap	JBG				
1 6 5 8	Jeff's Image Format Bitmap	JIF				
1 6 5 9	JPEG Network Graphic Bitmap	JNG			Y	
1 6 6 0	JPEG-2000 Code Stream Bitmap	JPC			Y	
1 6	LuraWave Format Image	LWF				

6 1						
1 6 6 2	Symbian Multi BitMap Image	MBM				
1 6 6 3	MicroDesign Area Image	MDA				
1 6 6 4	MicroDesign Page Image	MDP				
1 6 6 5	Nokia LogoManager Bitmap	NLM				
1 6 6 6	Nokia Operator (Manager) Logo Image	NOL				
1 6 6 7	XV Visual Schnauzer Thumbnail Image	P7				
1 6 6 8	PGC Portfolio Graphics Compressed Bitmap	PGF				

1 6 6 9	Progressive Graphics Image	PGF				
1 6 7 0	AliceSoft PMS Bitmap Image	PMS				
1 6 7 1	Digital Moving Picture Exchange Bitmap (Intel)	DPX				
1 6 7 2	DrazLace IFLI Bitmap (C64)	DRL				
1 6 7 3	Enhanced Compressed Wavelet	ECW				
1 6 7 4	OpenEXR High Dynamic-Range Bitmap	EXR				
1 6 7 5	Fuzzy Bitmap Image	FBM				
1 6	HP-48/48sx/49 Graphic Object Bitmap	GRO				

7 6						
1 6 7 7	SoftImage 3D Image	PIC				
1 6 7 8	IBM Storyboard Image	PIC				
1 6 7 9	Structured Fax Format Image	SFF				
1 6 8 0	Segmented Hypergraphics Bitmap	SHG				
1 6 8 1	SuperView Graphic Bitmap	SVG				
1 6 8 2	VITec Bitmap	VIT, ICC				
1 6 8 3	OS/2 Icon	ICO				

1 6 8 4	Vista Graphic Image	VST				
1 6 8 5	J Wavelet Image Codec Bitmap	WIC				
1 6 8 6	CompW Bitmap	WLM				
1 6 8 7	RPG Maker Graphic Image	XYZ				
1 6 8 8	CloneCD Control File	CCD				
1 6 8 9	CloneCD Sub Channel Data	SUB				
1 6 9 0	PlayStation Executable	EXE				
1 6	Atari Disk Image	ATR				

91						
1692	Advanced Digital Audio Compressed	ADA				
1693	Audio IFF Compressed Sound	AIFC, AIFF, AIF, IFF, SND				
1694	Adaptive Multi-Rate Audio	AMR				
1695	a-Pac Compressed Audio	APC				
1696	Cryo Interactive APC Audio	APC				
1697	Monkey's Lossless Compressed Audio	APE				
1698	Compressed Voice File	DVF				

1 6 9 9	Free Lossless Audio Codec Instrument					
1 7 0 0	Ensoniq PARIS Audio Format	PAF				
1 7 0 1	LA Lossless Compressed Audio	LA				
1 7 0 2	ZyXEL Voice Audio	ZYX, ZVD				
1 7 0 3	Sound Blaster Studio II Sound Sample	SOU				
1 7 0 4	Designer I Embroidery Machine Image	HUS				
1 7 0 5	Husqvarna Home Embroidery Image	VIP				
1 7	3D Stitch Editor Embroidery Image	VP3				

06						
1707	Audacity Audio Block	AU, AUF				
1708	Audacity Project File	AUP				
1709	Astrid/Quartex Advanced Audio Coding	AAC				
1710	DAKX Compressed Audio	DAX				
1711	MS Management Console Snap-in Control	MSC				
1712	Longest Journey, The Sound	ISS, XARC				
1713	Kexis Lossless Compressed Audio	KXS				

1 7 1 4	Low Bitrate Packer Compressed Audio	LB				
1 7 1 5	Liquid Audio File	LQT				
1 7 1 6	Need for Speed: Underground Audio	ABK				
1 7 1 7	Computerized Speech Lab Audio	NSP				
1 7 1 8	Nomad II Voice	NVF				
1 7 1 9	OptimFROG Encoded Audio	OFR				
1 7 2 0	ReBirth Song	RBS				
1 7	ReCycled Audio Loop Export File	REX				

2						
1						
1	Reason Sound Bank	RFL				
7						
2						
2						
1	Shorten	SHN				
7	Compressed Audio					
2						
3						
1	Reason Song	RPS				
7						
2						
4						
1	Sonarc Compressed	SNC				
7	RAW PCM Audio					
2						
5						
1	Walkman NW-S23	DAT				
7	MP3 Archive					
2						
6						
1	Speex Encoded	SPX				
7	Audio					
2						
7						
1	SPHERE Speech	LTT, NDX, SRT				
7	Recog Lexical					
2	Transcript					
8						

1 7 2 9	TAC Compressed Audio	TST				
1 7 3 0	Pretty Good Privacy Virtual Disk Image	PGD				
1 7 3 1	Macintosh Program (MacBinary)					
1 7 3 2	Encapsulated PostScript Document (MacBinary)	EPS, EPI, EPSF, AI				
1 7 3 3	JPEG File Interchange Format Image (MacBinary)	JPEG, JFIF, JPG, JFI, CMP, JIF, J, JPE			Y	
1 7 3 4	Text File (MacBinary)	TXT, DOC, TEXT		Y		
1 7 3 5	PKZip Archive (MacBinary)	ZIP				Y
1 7	SciTex ContinuousTone Image(MacBinary)	CT, SCT, SCITEX				

36						
1737	MS Windows Wave Sound (MacBinary)	WAV				
1738	WordPerfect Document (MacBinary)	DOC, WP, WKB, WPD, WPT, WP#		Y		
1739	Adobe PhotoShop Image (MacBinary)	PSD, PDD				
1740	MS Works Database (MacBinary)	WDB				
1741	MS Works Spreadsheet (MacBinary)	WKS		Y		
1742	MS Works Document (MacBinary)	WPS				
1743	MS Spell Checker Dictionary (MacBinary)	DIC				

1 7 4 4	AutoCAD Drawing (MacBinary)	DWG				
1 7 4 5	Freehand 3 Drawing (MacBinary)	FH3				
1 7 4 6	FileMaker Pro File (MacBinary)	FP, FP3, FPT, FMP				
1 7 4 7	Graphics Interchange Format (MacBinary)	GIF, GIFF			Y	
1 7 4 8	QuickTime Movie (MacBinary)	MOV, QTM, QT				
1 7 4 9	MPEG Music File (MacBinary)	MP3, MP2, MPGA				
1 7 5 0	MPEG Animation (MacBinary)	MPG, MPEG, MPE, M1V, ENC, MPA				
1 7	MacWrite Pro Document (MacBinary)					

5 1						
1 7 5 2	Macromedia Director Movie (MacBinary)	DIR				
1 7 5 3	MacWrite II Document (MacBinary)					
1 7 5 4	MacWrite II Model (MacBinary)					
1 7 5 5	Write Now Document (MacBinary)					
1 7 5 6	MS Rich Text Format Document (MacBinary)	RTF, DOC, WRI, WBK	Y	Y		
1 7 5 7	StuffIt Mac Archive (MacBinary)	SIT, BIN				
1 7 5 8	MS PowerPoint Slides (MacBinary)	PPT, PPA, POT, PPS	Y	Y		

1759	Shockwave Flash Object (MacBinary)	SWF				
1760	MS Word Template (MacBinary)	DOT				
1761	MS Word for Mac Document (MacBinary)	MCW, DOC	Y	Y		
1762	MacWrite Document (MacBinary)					
1763	MS Word Printer Definition (MacBinary)	PRD				
1764	Quark XPress Document (MacBinary)	QXD				
1765	Quark XPress Template (MacBinary)	QXT				
1766	MS Excel Spreadsheet (MacBinary)	XLS	Y	Y		

6 6						
1 7 6 7	Binary Data (Unknown Source) (MacBinary)	BIN				
1 7 6 8	Mac Draw Image (MacBinary)					
1 7 6 9	Mac Draw Pro Image (MacBinary)	MDP				
1 7 7 0	Flash Movie (MacBinary)	FLA				
1 7 7 1	HyperText Markup Language (MacBinary)	HTML, HTM, HTT, HTTP, ASP, MHT, HTA, HT?		Y		
1 7 7 2	Extensible Markup Language (MacBinary)	XML, CDF, OSD, AWE, HTML, HTM		Y		
1 7 7 3	SimpleText Document (MacBinary)	TXT, TEXT				

1 7 7 4	Disk Doubler Archive (MacBinary)					
1 7 7 5	MS Internet Connect Wizard (MacBinary)	ICW				
1 7 7 6	MS Internet Explorer Shortcut (MacBinary)	URL				
1 7 7 7	Adobe Illustrator Drawing (MacBinary)	AI, EPS				
1 7 7 8	MS Windows Bitmap (MacBinary)	BMP, DIB, SYS, RLE, BIN, VGA, RLn			Y	
1 7 7 9	Claris Impact Template (MacBinary)	CIT				
1 7 8 0	Macintosh System File (MacBinary)					
1 7	Macintosh Control Panel (MacBinary)					

8						
1						
1 7 8 2	Macintosh Extension (MacBinary)					
1 7 8 3	Macintosh Finder (MacBinary)					
1 7 8 4	Macintosh Font Suitcase (MacBinary)					
1 7 8 5	Macintosh System Suitcase (MacBinary)					
1 7 8 6	Macintosh Alias (MacBinary)					
1 7 8 7	Macintosh Shared Library (MacBinary)					
1 7 8 8	Macintosh Resource File (MacBinary)	RSR				

1 7 8 9	Macintosh Desk Accessory (MacBinary)					
1 7 9 0	Macintosh True Type Font (MacBinary)	TTF				
1 7 9 1	Macintosh Keyboard Layout (MacBinary)					
1 7 9 2	Macintosh Sound (MacBinary)					
1 7 9 3	Disk Copy Disk Image (MacBinary)					
1 7 9 4	Midi Sequencer Music (MacBinary)	MID				
1 7 9 5	StuffIt Self-Extrc Archive (MacBinary)					
1 7	Compact Pro Self- Ext Arch (MacBinary)					

96						
1797	BinHex Archive (MacBinary)	HQX, HEX				
1798	Palm OS Database (MacBinary)	PDB				
1799	Palm OS Application Data (MacBinary)	PDB				
1800	Compactor Pro Archive (MacBinary)					
1801	Macintosh Disk Image (MacBinary)	DMF, DMG				
1802	RealLegal Binder Document	PEX				
1803	Assembly Source Code File	ASM, INC				

1804	MS Visual Studio.NET Compiled Resource	RESOURCES				
1805	MS Visual Studio.NET Strong Name Key	SNK, DAT, KEY				
1806	MS Visual Studio.NET C# Incremental Build	INCR				
1807	MS Visual Studio.NET C# Project Data	PROJDATA				
1808	MS C# Source Code	CS		Y		
1809	PageMaker 4.0 Document (MacBinary)	PM4				
1810	PKCS #7 Secure MIME Message	P7M, EML, TXT	Y	Y		
1811	MS Outlook Rich Text Formatted Message	EML, TNEF, DAT	Y	Y		

1						
1						
1	EICAR Anti-Virus	COM				
8	Test File					
1						
2						
1	Six-2-Four (624)	COM				
8	Packed DOS					
1	Executable					
3						
1	ICE Compressed	COM				
8	DOS Program					
1						
4						
1	LGLZ Compressed	COM				
8	DOS Program					
1						
5						
1	Shrink Compressed	COM				
8	DOS Program					
1						
6						
1	DIET Compressed	COM				
8	DOS Program					
1						
7						
1	PK Lite	COM				
8	Compressed DOS					
1	Program					
8						

1 8 1 9	Amiga Metafile Format	AMF, AMFF				
1 8 2 0	Borland Graphics Video Interface	BGI				
1 8 2 1	ICE Book Reader Book					
1 8 2 2	Brava Reader Content Sealed Format	CSF, SCSF				
1 8 2 3	Claris Works Document	CWK				
1 8 2 4	Canon Digital Camera RAW Image (CCDR)	CRW				
1 8 2 5	CryptoMite Encrypted Archive					
1 8	DjVu Document Image	DJVU, DJV				

26						
1827	Digitals/Delta Map File	DMF				
1828	Standard CPCEMU Style Disk Image	DSK				
1829	MSX DOS Disk Image	DSK				
1830	TeX Device Independent Document	DVI				
1831	Dependency Walker Image	DWI				
1832	DirectInput Force Feedback Effect	FFE				
1833	DirectMusic Producer Segments Type	SGT				

1 8 3 4	DirectMusic Style	STY				
1 8 3 5	EPOC16 Dynamic Link Library	DYL				
1 8 3 6	Euphoria Database System Database	EDB				
1 8 3 7	Egrid32 Form Properties Template	EGP				
1 8 3 8	Egrid32 Form	EGR				
1 8 3 9	EIOffice Document Binder	EIO				
1 8 4 0	Elite Plus Commander Saved Game	CDR				
1 8	CPC Plus Cartridge Image	CPR				

4 1						
1 8 4 2	Extended CPCEMU Style Disk Image	DSK				
1 8 4 3	DCM06 Emulator Tape Image	K7				
1 8 4 4	Unified Emulator Format	UEF				
1 8 4 5	EndNote Connection File	ENZ				
1 8 4 6	Morrowind: The Elder Scrolls Plug- in					
1 8 4 7	Electronics Workbench Circuit	EWB				
1 8 4 8	Explorations RPG System MapGroup Object	EGRP, EOBJ, ECHR				

1 8 4 9	Farandole Composer Pattern	FPT				
1 8 5 0	AutoCAD Fast-load Auto LISP	FAS				
1 8 5 1	FileSync Profile	FSY				
1 8 5 2	FairUse Wizard Project	FUP				
1 8 5 3	Nadeo Games File Format	GBX				
1 8 5 4	GFA-BASIC MS-DOS Tokenized Source	GFA				
1 8 5 5	GFA-BASIC ATARI Tokenized Source	GFA				
1 8	GIMP Brush Data	GBR				

5						
6						
1	GIMP Pattern Data	PAT				
8						
5						
7						
1	PCStitch Pattern	PAT				
8						
5						
8						
1	GIMP Image	XCF, GZ				
8						
5						
9						
1	GlueMon	GLUE				
8	Song/Module					
6						
0						
1	DexDrive	GME				
8	Playstation Memory					
6	Card Save					
1						
1	Guitar Pro	GTP				
8	Tablature					
6						
2						
1	TreePad Hypertext	HJT		Y		
8	Database					
6						
3						

1 8 6 4	FAR Manager Help File	HLF				
1 8 6 5	Frontier: First Encounters Music	HMP				
1 8 6 6	Home World 2 ROT Graphic Image	ROT				
1 8 6 7	Java Applet Cache Index	IDX				
1 8 6 8	Infinity Game Engine Area Description	ARE				
1 8 6 9	Infinity Game Engine Character Info	CHR				
1 8 7 0	Infinity Game Engine GUI Elements	CHU				
1 8	Infinity Game Engine Creature Description	CRE				

7 1						
1 8 7 2	Infinity Game Engine Spell	SPL				
1 8 7 3	Infinity Game Engine Tileset	TIS				
1 8 7 4	Infinity Game Engine Spell Casting FX	VVC				
1 8 7 5	Infinity Game Engine Display Info	WED				
1 8 7 6	Infinity Game Engine World Map	WMP				
1 8 7 7	VMware Virtual Disk Descriptor	VMDK				
1 8 7 8	VMware Virtual Disk Image	VMDK				

1 8 7 9	iMelody Ringtone Sound	IMY, IMELODY				
1 8 8 0	ZoomBrowser Database Index	INFO				
1 8 8 1	Imagine Staging Stage Editor File	ISTG				
1 8 8 2	Japan Crossword Dmitry Torshin Format	JCC				
1 8 8 3	Jigsaw Game	JIG				
1 8 8 4	Trackjoy GUS Tracker Module	JOY				
1 8 8 5	Trackjoy GUS Tracker Song	TJS				
1 8	Trackjoy Block File	BLK				

8						
6						
1	KazaA Playlist	KPL				
8						
8						
7						
1	64LAN Image	L64				
8						
8						
8						
1	Modern ListGeo	LGO				
8	Output Image					
8						
9						
1	Compiler Library	LIB				
8	(MS Basic)					
9						
0						
1	Liquid Tracker	LIQ				
8	Song/Module					
9						
1						
1	MS Reader Ebook	LIT				
8	(LIT)					
9						
2						
1	LegglessMusicEdito	LME				
8	r Sound/Module					
9						
3						

1 8 9 4	Atari Lynx ROM Image	LNX				
1 8 9 5	EasyGPS TerraByte Location	LOC				
1 8 9 6	Hex Workshop Hex Editor Character Map	MAP				
1 8 9 7	Bleem! Memory Card Save	MCD				
1 8 9 8	MathCaD Document	MCD				
1 8 9 9	Matroska WebM Video Stream	MKV, MKA, MKAV, WEBM				
1 9 0 0	Media Container Format File	MCF				
1 9	TMPGEnc Conversion Template	MCF				

0						
1						
1902	Quake 2 Player Model	MD2				
1903	Quake 3 Arena Model	MD3				
1904	Office Document Imaging File	MDI				
1905	Mighty Draw DOS Library	MDL				
1906	Moray Wireframe Model	MDL				
1907	Media Descriptor CD Image Index	MDS				
1908	Multimedia Email Message	ME3				

1909	Java Manifest	MF				
1910	MIME HTML Web Page Archive	MHT, EML, HTM, MAFF, MHTML		Y		
1911	AutoCAD Material-Library	MLI				
1912	NS/Elite Display Macro Object Path	MOP				
1913	MapSource GPS Mapping Interface	MPS				
1914	Max Payne Saved Game	MPS, MP2S				
1915	Pocket Streets Map	MPS				
1916	Minolta Dimage Raw Image	MRW				

16						
197	MedlySound Sound Module	MSO				
18	Digital Sheet Music (Motorola)	MTD				
199	Finale Music Score	MUS				
20	MusicTime/Doom Sound	MUS				
21	Material Exchange Format File	MXF				
22	MOZART Music Document	MZ				
23	Unidata NetCDF Graphic Image	CDF				

1 9 2 4	GameBryo Format File	NIF				
1 9 2 5	NetImmerse Format File	NIF				
1 9 2 6	Notation Interchange File Format (Motorola)	NIF, RMI				
1 9 2 7	Lightwave Normal Map	NMF				
1 9 2 8	Corel Graphics Draw Media Lines	NPM				
1 9 2 9	NetStumbler NS1 Log	NS1				
1 9 3 0	Apollo Database Engine Index	NSX				
1 9	National Transfer Format Map	NTF				

31						
1932	NeroVision Express Project	NVC				
1933	Nyquist Plug-in	NY				
1934	OGG Vorbis Compressed Video	OGM, OGV				
1935	Skype Conversation	DAT				
1936	MS Windows Security Credential History					
1937	Earthlink Email Messages	MSF	Y	Y		
1938	MS TWAIN Device Temporary File	MTX				

1eFax Electronic Fax 9Phonebook 3 9	ADG				
1MS Cryptographic 9URL Metadata 4 0					
1Viewpoint iPix File 9 4 1	MTS				
1RealJukebox 9Upgrade 4 2	RUP				
1Adobe Acrobat 9Installer Support 4File 3	ITW				
1MS Help 2 Merged 9Keyword Index 4 4	HXW, HXH, HXD, ITS, HXQ, HXR, EIT, H1?				
1MS Compiled 9Toolbar Menu 4 5	CTM				
1MS Print Spooler 9Shadow	SHD				

4 6						
1 9 4 7	Dell Certification File	DCF				
1 9 4 8	Java Shared Archive	JSA				
1 9 4 9	MS Visual Studio Toolbox Data	TBD				
1 9 5 0	Final Draft Document	FDD, FDR				
1 9 5 1	MaxBlast Localized Menu	BIN				
1 9 5 2	XnView Cache Database	DB				
1 9 5 3	PowerRegister Data	DAT				

1 9 5 4	MS Media Connect Persistent Data	TXT				
1 9 5 5	AddWeb Temporary Data	TMP				
1 9 5 6	Python Tkinter Library	PYC				
1 9 5 7	Family Tree CD Catalog	CTL				
1 9 5 8	QuickBooks & Family Tree Spelling Lexicon Dictionary	CLX				
1 9 5 9	eFax Localization Data	DAT				
1 9 6 0	Earthlink Email Filter Rules	DAT				
1 9	America Online Instant Messenger URL Cache	DAT				

61						
1962	MS Windows Client Download Data	DAT				
1963	PhotoStudio Macro	MCR				
1964	Adobe Color Profile List	LST				
1965	PhotoStudio Album	ABM, ALB				
1966	Corel Software Identifier/Security	ID, BIN				
1967	Corel PhotoPaint Palette	CPL				
1968	eFax Phone Book	ADR				

1969	PhotoBase Catalog	CAT				
1970	Family Tree System File	BIN				
1971	Absolute Packager Self Extracting Archive	EXE, ZIP				Y
1972	MS Xbox 360 Program	XEX				
1973	MS Xbox Program	XBE				
1974	MySQL Database Index	MYI				
1975	Max Payne Data	MPS, MP2S				
19	Obsidium Project	OPF				

7						
6						
1977	Symbian Oval Application	APP				
1978	Pocket CE Application	APP				
1979	Adaptive Prediction Tree Encoded Image	APT				
1980	Parity Archive Volume Set Specification 2	PAR2				
1981	Phoenix Visual Designer Project	PBP				
1982	PowerBASIC Compiled Unit	PBU				
1983	pcAnywhere Host File	BHF				

1XProfan Compiled 9Unit 8 4	PCU				
1Paint.NET Image 9 8 5	PDN				
1Red Faction II 9Game Data 8 6	PEG				
1RS7000 OS Image 9 8 7	PGM				
1Portable Game 9Notation 8 8	PGN				
1OziExplorer Plot 9Track 8 9	PLT				
1Power Music 9Song/Module 9 0	PM				
13D Polygon Models 9Format	POL				

9 1						
1 9 9 2	Polynomial Texture Map	PTM				
1 9 9 3	WinHex Position Data	POS				
1 9 9 4	Atari ST TOS Program	PRG, GEM, TTP				
1 9 9 5	FireFly SDK Designer Project	PRJ				
1 9 9 6	Protracker Studio 16 Format	PS16				
1 9 9 7	Psion Series 3 Database	DBF				
1 9 9 8	Turbo Pascal Symbol Table	PSM				

1999	PSYCLE Tune/Song	PSY				
2000	MS Private Key	PVK				
20001	InkWriter/Note Taker/Pocket Word Document	PWI, PSW				
2002	REALbasic Project	RB				
2003	RocketEdition eBook	RB				
2004	RAD Developer Color Scheme	RCS				
2005	Remote Desktop Protocol Connection	RDP				
200	Ray Dream Studio Native Data Format	RDS, 3DS, D3D				

06						
2007	Lotus Organiser Report	REP				
2008	RepliGo Virtual Print File	RGO				
2009	Regcleaner Language File	RLG				
2010	Nintendo Entertainment System ROM Image	NES				
2011	Drakan: Order Of The Flame Saved Game	RSG				
2012	Warhammer 40,000 Texture	RSH				
2013	Fugawi Global Navigator Route	RTE				

2ZX Spectrum 0Replay File 1 4	RZX				
2NitPicker Backup 0Ipflow 1 5	S				
2American McGee's 0Alice Saved Game 1File 6	SPV, SAV				
2Zoo Tycoon Game 0File 1 7	ZOO				
2Savings Bonds 0Wizard Data 1 8	SBW				
2ShowBiz Project 0 1 9	SBZ				
2Designer Schematic 0Capture Binary 2File 0	SCH				
2Janome NH10000 0Sewing Machine Stitch F	JEF				

2 1						
2 0 2 2	Pfaff Home Embroidery Image	PCS				
2 0 2 3	Brother /Babylock/ Bernina Embroidery	PES				
2 0 2 4	Viking Designer 1 Embroidery Image	SHV				
2 0 2 5	sfArk Compressed SoundFont	SFARK				
2 0 2 6	Sound Forge Peak Data File	SFK				
2 0 2 7	AutoCAD Shape Entities	SHX				
2 0 2 8	SpyBot-Search-and- Destroy Signature	SIG				

2029	Symbian Installer	SIS				
2030	Sketch Drawing	SK				
2031	AutoSketch Drawing Database	SKD				
2032	Sonique Document with Graphics	SGF				
2033	Photono-Software Stealther Skin	SKN				
2034	Virtual TI Skin	SKN				
2035	MS Expression 3 Skeletal Strokes	SKS				
20	Scribus Document	SLA, SCD, SLAZ				

36						
2037	SampleVision Sound	SMP				
2038	Egrid32 Form Snippet	SNL				
2039	Adventure SOS Compiled Adventure Game	SOS				
2040	Source Edit Language Definition	LNG				
2041	Jose SciEditor Project	SPF				
2042	Pro Motion Sprites Sequence/Animatio n	SPR				
2043	Sprint Document	SPR				

2044	SPSS Chart Look	CLO				
2045	SPSS User Table Lookup	TLO				
2046	StockChartX Data	STX				
2047	Simple User Interface Toolkit Library	SUI				
2048	SUNTronic Song/Module	SUN				
2049	Swag Reader Packet	SWG				
2050	PlayStation 2 Icon	SYS				
20	MapInfo Spatial Table	TAB				

51						
2052	Jupiter Ace Tape	TAP				
2053	ZX Spectrum Tape File	TAP				
2054	Chess Tablebase	TBS				
2055	The Bat! Address Book	ABD				
2056	The Bat! Email Hives	TBB				
2057	The Bat! Hive Index	ABD				
2058	TK3 eBook	TK3				

2 0 5 9	TextMaker Document	TMD				
2 0 6 0	World Machine Data File	TMD				
2 0 6 1	Telemate Script	TMS				
2 0 6 2	Turbo Pascal Help	TPH				
2 0 6 3	Symbian TomeRaider Compressed eBook Document	TR				
2 0 6 4	Fugawi Global Navigator Tracklog	TRK				
2 0 6 5	Track Record Viewer TRV/TRVX Definition	TRV				
2 0	Track Record Viewer TRV/TRVX Index	TRX				

66						
2067	MakeTZX ZX Spectrum Tape Image	TZX				
2068	OllyDbg Module Information	UDD				
2069	Cool 3D Image	UEZ				
2070	Universal Hint System File	UHS				
2071	WinUAE Saved State	USS				
2072	Virtual Calendar File	VCS, ICS		Y		
2073	PwrDev Visual Designer Project	VD				

2 0 7 4	Dr. Web Anti-Virus Database	VDB				
2 0 7 5	VistaDB Database	VDB				
2 0 7 6	Sonic Foundry Vegas Video Project	VEG, VF				
2 0 7 7	RealJukebox Data File	DAT				
2 0 7 8	MS Windows Event Cache	BIN				
2 0 7 9	Skype Voice Mail	DAT				
2 0 8 0	McAfee Firewall Settings	idx, ini				
2 0	McAfee Personal Firewall Data	MPF				

81						
2082	WBEM Repository Database Map	MAP				
2083	Adobe Acrobat Cache Index	IDX				
2084	Yahoo! Anti-Spy Quarantine Index	DAT				
2085	McAfee VirusScan Olympus Database	DAT				
2086	MS Outlook Add-In Extensions Database	DAT				
2087	MS Windows Security Credentials					
2088	Yahoo! Online Protection Region File	RGN				

2089	Addict Spell Check Dictionary (Compile)	ADM				
2090	Xerox Scanner Template	XST				
2091	Adobe Remote Patch Update	RTP				
2092	McAfee VirusScan Update	UPM, GEM				
2093	TurboTax Tax Return	TAX				
2094	MM Video Email	WEM, VEM				
2095	Virtual Game Station Memory Card Save	VGS				
2096	3GPP Multimedia File	3GP, 3GG, 3G2, 3GPP, 3GPP2, MP4, MPG				

96						
2097	3GPP Multimedia File (MacBinary)	3GP, 3GPP, 3GPP2				
2098	4X Movie Format	4XM				
2099	Brian's Compression Shell Animation	BCS				
2100	Bink Game Video	BIK, BINK				
2101	Sega FILM/CPK File Format	CPK, SND				
2102	DVM Movie	DVM				
2103	LZA Animation/Video	LZA				Y

2 1 0 4	ProgDVBR MPEG2 Video	MPEG, MPG				
2 1 0 5	Wing Commander III MVE Movie	MVE				
2 1 0 6	Nancy Codec Video	NOA				
2 1 0 7	Nullsoft Streaming Video	NSV				
2 1 0 8	Id Software RoQ Movie	ROQ				
2 1 0 9	ScreenCam Movie	SCM				
2 1 0	SDL Motion JPEG Video	MJPG, MJPEG, SMJPEG				
2 1	Smacker Compressed Movie	SMK				

1						
1						
2 1 1 2	VMware Configuration	VMX				
2 1 1 3	VZ200/300 Image File	VZ				
2 1 1 4	Psion Series 3/3a Printer Driver	WDR				
2 1 1 5	BlackWidow Website Description	WEB				
2 1 1 6	WebShots Image	WB1				
2 1 1 7	WINDEV Hyper File Database	FIC				
2 1 1 8	WINDEV Controls' Styles Description	GAB				

2 1 1 9	WINDEV Report	WDE				
2 1 2 0	WINDEV Procedures' Set	WDG				
2 1 2 1	WINDEV Component Description	WDI				
2 1 2 2	WINDEV Project	WDP				
2 1 2 3	WINDEV Window	WDW				
2 1 2 4	WINDEV Run-Time Template	WDY				
2 1 2 5	MS Works Spreadsheet for DOS	WKS				
2 1	Amiga Wanton Packer Song/Module	WN				

2 6						
2 1 2 7	MapInfo Workspace	WOR				
2 1 2 8	Waypoint GPS Locations Map	WPT				
2 1 2 9	X-Protector Project	XPF				
2 1 3 0	XaoS Position File	XPF				
2 1 3 1	MS Expression 3 Graphic Image	XPR				
2 1 3 2	XML Schema	XSD, XML				
2 1 3 3	Softimage XSI 3D Model	XSI				

2 1 3 4	Oren Scientific Wordprocessor Document	ZGT				
2 1 3 5	Draw Native Drawing	ZMF				
2 1 3 6	Zoot Database	ZOT				
2 1 3 7	Draw Native Drawing (Compress+Preview)	ZMF				
2 1 3 8	Digital Video Interface Video	AVS, DVI				
2 1 3 9	Digital Video Interface Image	C16, I16, I8, CMY, CMI, CMQ, IM?				
2 1 4 0	Animatic Film	FLM				
2 1	Cyber Paint Sequence Image	SEQ				

4 1						
2 1 4 2	Imagic Film/Picture Image	IC1, IC2, IC3				
2 1 4 3	Lotus Picture	PIC				
2 1 4 4	RxWord Capture Form	PRI				
2 1 4 5	Crystal Decisions Chart Template	3TF				
2 1 4 6	SSCE Spelling Lexicon Dictionary	CLX, TLX				
2 1 4 7	MS Plotter Control Definition	PCD				
2 1 4 8	XML Paper Specification Document (Open XML)	XPS			Y	

2 1 4 9	Viewpoint Scene Attributes (compressed)	MTZ				
2 1 5 0	Viewpoint Library (compressed)	MTJ				
2 1 5 1	Viewpoint Executable (compressed)	MTJ				
2 1 5 2	Viewpoint Java Script (compressed)	MTJ				
2 1 5 3	Foobar2000 Columns UI Settings	FCS				
2 1 5 4	Data Module Language Dictionary	DMD				
2 1 5 5	NView Graphic Card Update Profile	TVP				
2 1	MS Windows Performance Monitor Chart	PMC				

5						
6						
2 1 5 7	MS Pocket Access Database	CDB				
2 1 5 8	Pscript Binary PostScript Printer Desc	BPD				
2 1 5 9	TrueType Font Collection	TTC				
2 1 6 0	Glyph Translation Table	GTT				
2 1 6 1	Unicode Font Metrics	UFM				
2 1 6 2	MS Windows Fax Cover Page (compiled)	CVR, SQM				
2 1 6 3	VisioModeler (Infomodeler)	IMD				

2 1 6 4	BlackBerry Backup File	IPD				
2 1 6 5	Scenarist Closed Caption File	SCC				
2 1 6 6	Windows Product Activation Database	DBL				
2 1 6 7	Zinio Media Database	ZMC				
2 1 6 8	ACCEL / Protel Printed Circuit Board	PCB				
2 1 6 9	VTex Multiple Master Font Metrics	MFM				
2 1 7 0	MS Help 2 Keyword Index (XML)	HXK, H1K				
2 1	MS Help 2 Attributes (XML)	HXA				

7 1						
2 1 7 2	MS Help 2 Collection (XML)	HXC, H1C				
2 1 7 3	MS Help 2 Table of Contents (XML)	HXT, H1T				
2 1 7 4	HYSYS Simulation	HSC				
2 1 7 5	MS Visual Studio Help Context ID Map	HM				
2 1 7 6	MS Foundation Classes (MFC) Hierarchy	HIE				
2 1 7 7	MS Windows Visual Stylesheet (XML)	MANIFEST, MAN, MUM				
2 1 7 8	MS Visual Studio.NET DB Discovery Map	MAP, DISCOMAP				

2 1 7 9	OziExplorer Map (ASCII)	MAP				
2 1 8 0	MS .NET Resource Schema/Template (XML)	RESX				
2 1 8 1	Terragen Surface Map	SRF				
2 1 8 2	Unicode Type Font	UTF				
2 1 8 3	MS Visual C++.NET Project	VCPROJ, USER		Y		
2 1 8 4	MS Visual Studio.NET Deployment Project	VDPROJ				
2 1 8 5	MS Visual Studio Application Wizard	VSDIR				
2 1	Web Service Description Language	WSDL				

8 6						
2 1 8 7	MS Visual Studio Wizard Configuration	VSZ				
2 1 8 8	Crystal Decisions Chart Gradient	3WS				
2 1 8 9	MS Windows .NET Application Configuration	CONFIG, CFG, DEFAULT, CCH, MANIFEST, PS1		Y		
2 1 9 0	Crystal Decisions 3D View Angles	3DA				
2 1 9 1	MS Visual C++.NET Style Sheet	VCSTYLE				
2 1 9 2	MS Windows Script File	WSF				
2 1 9 3	MS Visual C++ Server Repsonse File	SRF				

2MS Data 1Transformation 9Services 4	DTS				
2MS Visual Studio 1Solution User 9Options 5	SUO				
2PageMaker 6.5 1Document 9 6	P65				
2MS Visual Studio 1Macro 9 7	VSMACRO, VSMACROS				
2MS Speech 1Recognition Engine 9Articles 8	ART				
2MS Management 1Console 9 9	MSC				
2MS Windows Movie 2Maker Project 0 0	MSWMM				
2Polychrome 2Recursive Format Bitmap	PRF				

0 1						
2 2 0 2	MS Windows Color Scheme	SCM				
2 2 0 3	Corel ClipArt ScrapBook	SRB, SRI				
2 2 0 4	MS Outlook Send/Receive Settings	SRS				
2 2 0 5	PhotoImpact Graphic Image	UFO				
2 2 0 6	Windows Binary Performance Log (Win2K)	BLG				
2 2 0 7	MS Office Data (Open XML) (General)	XLSX, DOCX, PPTX, XLSM, DOCM, PPTM, ???X	Y	Y		
2 2 0 8	MS Word 2007-2010 Document (Open XML)	DOCX	Y	Y		

2 2 0 9	MS Excel 2007-2010 Spreadsheet (Open XML)	XLSX, XLAM	Y	Y		
2 2 1 0	MS PowerPoint 2007-2010 Presentation (Open XML)	PPTX	Y	Y		
2 2 1 1	X-Windows Portable Compiled Font	PCF				
2 2 1 2	FileMaker Pro Font	FMF				
2 2 1 3	Kettley Publishing Report Template	KPF				
2 2 1 4	Kettley Publishing Application Template	MLH				
2 2 1 5	MS Expedia Streets 98 Push-Pins	GPD				
2 2	Norton AntiVirus Live Advisor Preferences	VCPREF				

1 6						
2 2 1 7	Norton AntiVirus Update Session	LIVEREG, USERPROFILE				
2 2 1 8	Norton AntiVirus Live Update Profile	USERPROFILE				
2 2 1 9	ExamView Question Bank	BNK				
2 2 2 0	ExamView Performance File	PRF				
2 2 2 1	ExamView Test File	TST				
2 2 2 2	Bitstream FaceLift for Word Perfect Da	PDB				
2 2 2 3	TimeSink AdGateway	IDX, CDB				

2 2 2 4	PostScript Printer Description	PPD				
2 2 5	RealPlayer Live Channel	CHL, GD				
2 2 6	Label Factory Deluxe Job	JOB, PMJ				
2 2 7	3D Home Architect Delux Floor Plans	PL0, PL1, PL2, PLn, PBn, PAn				
2 2 8	Label Factory Deluxe Template	TPL, ORG				
2 2 9	Label Factory Deluxe Install File	INS				
2 3 0	Label Factory Deluxe Style	STY				
2 2	MS Windows Error Mini Dump (32-bit)	DMP				

3 1						
2 2 3 2	MS Dr. Watson User Dump	DMP				
2 2 3 3	PaperPort Database Map File	SBC, BIN				
2 2 3 4	MS Schedule+ Event	SCH				
2 2 3 5	HP Digital Imaging Cover Page Template	CVR				
2 2 3 6	HP Scanner Profile	SPF				
2 2 3 7	ExperVision TypeReader Database	DB				
2 2 3 8	CD-Image Description File	CUE				

2 Synchronized 2 Multimedia 3 Integrated 9 Language	SMI, SMIL				
2 HP Digital Imaging 2 Project 4 0	CREATIVEPROJ				
2 HP Digital Imaging 2 Template 4 1	CREATIVETEMPL				
2 HP Digital Imaging 2 Logical Page Info. 4 2	LOGPAGE				
2 HP Digital Imaging 2 Layout 4 3	SIZE				
2 HP Digital Imaging 2 Theme 4 4	THEME				
2 Portrait 2 Innovations Image 4 5	PI2				
2 Adobe Master Font 2 Metrics	AFM				

4 6						
2 2 4 7	WordPerfect Help					
2 2 4 8	WordPerfect Keyboard Definition					
2 2 4 9	WordPerfect Thesaurus					
2 2 5 0	WordPerfect Printer Resource	PRS				
2 2 5 1	WordPerfect Hyphenation Code/Data					
2 2 5 2	WordPerfect Block					
2 2 5 3	WordPerfect Video Driver					

2 2 5 4	WordPerfect Setup/Installation Data	SET, INS				
2 2 5 5	WordPerfect Display Resource	DRS				
2 2 5 6	WordPerfect Overlay	FIL				
2 2 5 7	WordPerfect Equation Resource	QRS				
2 2 5 8	WordPerfect Dictionary Rules					
2 2 5 9	WordPerfect Document (Macintosh)	DOC, TXT				
2 2 6 0	WordPerfect Document (VAX)	DOC				
2 2	WordPerfect External Spelling Dictionary					

6 1						
2 2 6 2	MS Windows Animated Cursor (Motorola)	ANI, CON				
2 2 6 3	MS Windows Color Palette (Motorola)	PAL				
2 2 6 4	UNIX Program/Program Library (32-bit)	ELF				
2 2 6 5	UNIX Program Library (32-bit)	SO				
2 2 6 6	Atari ST MiNT Program	PRG, GEM, TTP				
2 2 6 7	MS MIDI Instrument Definition (Motorola)	IDD, IDF				
2 2 6 8	Madtracker Music Module	MTI, MT2				

2 2 6 9	SIDPlayer Music Module	SID				
2 2 7 0	MS Midi Musical Musical Instrument Song (Motorola)	RMI				
2 2 7 1	Notation Interchange File Format (Intel)	NIF, RMI				
2 2 7 2	MS Windows Wave Sound (Motorola)	WAV				
2 2 7 3	Maya 3D Image (32bit; binary)	mb				
2 2 7 4	AutoDesk Animator Cel Image	CEL, PIC				
2 2 7 5	LightWave 3D FPBM Image	FPBM				
2 2	Portable Arbitrary Map Image (Binary)	PAM				

7						
6						
2 2 7 7	Fractal Image and Sequence Codec Image	WFA				
2 2 7 8	Provector 2D Image	DR2D				
2 2 7 9	Corel Metafile Exchange Image (Motorola)	CMX, PAT, CDR				
2 2 8 0	GEM Metafile Image (Motorola)	GEM, GDI, VDI				
2 2 8 1	GEM Metafile Image (Intel)	GEM, GDI, VDI				
2 2 8 2	Rhino 3D Model	3DMF, 3DM				
2 2 8 3	Ac3d 3D Model	AC				

2 2 8 4	Tachyon Parallel Raytracer 3D Model	DAT				
2 2 8 5	Videoscape 3D Model with Colored Verti	GEO				
2 2 8 6	Videoscape 3D Model with Light Source	GEO				
2 2 8 7	Videoscape 3D Model with Gouraud Curve	GEO				
2 2 8 8	4D Creative Model (ASCII)	HRC				
2 2 8 9	Maya 3D model (ascii)	ma				
2 2 9 0	Cinema 4D V4 Data	MC4D, CINEMA4D				
2 2	Object Oriented Graphics Library: Mesh (ASCII)	MESH				

9 1						
2 2 9 2	MilkShape 3D Model	MS3D				
2 2 9 3	Imagine 3D Object	TDDD, TDD				
2 2 9 4	XGL 3D Model	XGL				
2 2 9 5	AAX Archive	AAX				
2 2 9 6	ABComp Archive	ABP				
2 2 9 7	AKT Archive	AKT				
2 2 9 8	AR7 Archive	AR7				

2 2 9 9	Squash Archive	ARH				
2 3 0 0	Btoa Encoded File	BOO				
2 3 0 1	BTSpk Archive	BTS				
2 3 0 2	Bzip Archive V1	BZ				Y
2 3 0 3	Dpae Archive	DPA				
2 3 0 4	Disintegrator Archive	DST				
2 3 0 5	PPMZ2 Archive	PMZ				
2 3	Powerpacker Archive	PP				

06						
2307	Pretty Simple Archive	PSA				
2308	Romanian archiver eXpert Achive	RAX				
2309	Reduq Archive	RDQ				
2310	Rzip Archive	RZ				
2311	UNIX Shell Archive	SHAR				
2312	Shrinkit/Nulib/NuFile Archive	SHK				
2313	GNU TAR Archive	TAR				Y

2 3 1 4	Opengroup/POSIX TAR Archive	TAR				Y
2 3 1 5	Pagestream Document	DOC				
2 3 1 6	AmigaGuide Hypertext Document	GUIDE				
2 3 1 7	Atari ST Guide Hypertext Document	HYP				
2 3 1 8	GNU Info Hypertext Document	INFO				
2 3 1 9	Turbo C Help	TCH				
2 3 2 0	Turbo Vision Help	TVH				
2 3	MS Windows Card File (Win 3.x)	CRD				

2 1						
2 3 2 2	Deluxe Paint Multi- Colour Font	C				
2 3 2 3	Intellifont Scalable Typeface	LIB				
2 3 2 4	Deluxe Paint Mono- Colour Font	M				
2 3 2 5	Aegis Animation					
2 3 2 6	Open Financial Exchange Data	QFX				
2 3 2 7	Extensible Markup Language (UTF- 32BE)	XML		Y		
2 3 2 8	Extensible Markup Language (UTF- 32LE)	XML		Y		

2 3 2 9	Extensible Markup Language (UTF-16BE)	XML		Y		
2 3 3 0	Extensible Markup Language (UTF-16LE)	XML		Y		
2 3 3 1	Extensible Markup Language (UTF-8)	XML		Y		
2 3 3 2	Free Pascal Unit	PPU, PPL, PPO, PPW, PPA, PPT				
2 3 3 3	Javacard API Export File	EXP				
2 3 3 4	Simple ROM File System Image (ROMFS)	IMG				
2 3 3 5	MS Virtual PC Hard Disk Image	VHD				
2 3	eCos ROM File System Image (ROMFS)	ROM, FS				

3 6						
2 3 3 7	Portable Application Description (XML)	XML				
2 3 3 8	Extensible Metadata Platform Sidecar (XML)	XML, XMP		Y		
2 3 3 9	Timezone Information DB (compiled)					
2 3 4 0	Telex Phone Book	FON				
2 3 4 1	Yahoo! Widget	WIDGET				
2 3 4 2	3D Mark Database	3DB				
2 3 4 3	Cadent 3D Model	3DM				

2 3 4 4	4th Dimension Database Structure	4DB				
2 3 4 5	Text File (UTF-16BE)					
2 3 4 6	ABIF Applied Biosystems Inc. Format	AB1, FSA				
2 3 4 7	Audition On-line Dance Battle Music	ABM				
2 3 4 8	ACUCOBOL-GT License	ALC, VLC				
2 3 4 9	ACUCOBOL-GT Intermediate Object File	ACU				
2 3 5 0	CaseMaker AcuBench Workspace Info.	WIF				
2 3	CaseMaker AcuBench Layout Structure	DLT				

5 1						
2 3 5 2	CaseMaker AcuBench Program Structure	PSF				
2 3 5 3	CaseMaker AcuBench Project	PJT				
2 3 5 4	Chuzzle Saved Game	DAT				
2 3 5 5	EasyRecovery Saved Recovery State	DAT				
2 3 5 6	Runtime Software Disk Image	DAT				
2 3 5 7	Shareaza Thumbnail	DAT				
2 3 5 8	Corel CENTRAL Address Book	ADB				

2 3 5 9	ArcExplorer Project	AEP				
2 3 6 0	Grace Project	AGR				
2 3 6 1	Design Your Own Home Architect Drawing	AIG				
2 3 6 2	Anfy Applet Generator Saved File	AJP				
2 3 6 3	AMX Mod X Plug-in	AMXX				
2 3 6 4	Adobe Download Manager Online Shortcut	AOM				
2 3 6 5	Gmini Firmware Update	AOS				
2 3	Monkey's Audio Image Link	APL				

6						
6						
2 3 6 7	ApiViewer API Database	APV				
2 3 6 8	ShrinkIt Apple] [Compressed Archive	BXY, BLU				
2 3 6 9	ZipGenius Compressed Archive	CZIP				
2 3 7 0	H2O Compressed Archive	H2O				
2 3 7 1	1944: Battle of the Bulge Game Archive	FX				
2 3 7 2	KGB Archiver Compressed Archive	KGB				
2 3 7 3	PAQ8x Compressed Archive	PAQ8J?, PAQ8?				

2 3 7 4	WinRK Archive	RK				
2 3 7 5	RKive AUdio Compressed Audio	RK, RKA, RKAU				
2 3 7 6	OneNote Note	ONE		Y		
2 3 7 7	Adaptive Multi- Rate Wideband Audio	AWB				
2 3 7 8	Compressed Square Wave Audio	CSW				
2 3 7 9	SPPACK Audio	D				
2 3 8 0	GBG DraftMaker Drawing File	D				
2 3	Digital Speech Standard Compressed Audio	DSS				

8 1						
2 3 8 2	Sprint Music Store Phone Music	KOZ, MP3				
2 3 8 3	Sony OpenMG Music Format	OMA				
2 3 8 4	TAK Lossless Compressed Audio	TAK				
2 3 8 5	Vicar Picture	VIC, IMG				
2 3 8 6	Nero ISO CD-ROM Compilation	NRI, NR3				
2 3 8 7	MySQL Generic Database Dictionary	FRM				
2 3 8 8	Phoenix Visual Designer Form	FRM				

2 3 8 9	Sonic Skin	SKN				
2 3 9 0	TurboTax DHTML Help Index	LIF				
2 3 9 1	ACUCOBOL-GT Index	VIX				
2 3 9 2	MS Works Database Wizard	WWD, WDB				
2 3 9 3	MS Visio Report Definition	VRD				
2 3 9 4	MS J# Source Code	JSL				
2 3 9 5	RSA Crypto Key	PUB, PPK, DAT				
2 3	MS Access Database Template (Open XML)	ACCDT				

96						
2397	OS/2 Library (32 bit)	DLL, EXE				
2398	TurboTax Form (2)	HEFS				
2399	Nero Media Player Skin	NPS				
2400	Norton Spam Definitions	MBK				
2401	Norton AntiVirus Scheduled Tasks	SCA, RUL, DAT				
2402	WildTangent Compressed Game Data	WSAD, WSMO, WSGO, WSBM				
2403	Personal Home Page Script	PHP, PHP3, PHP4, PH3, PH4				

2Diablo 630 Escape 4Codes/Output 0 4	PRN				
2TTA (True Audio) 4Free Lossless 0Audio 5	TTA				
2Parity Archive 4Volume Set 0Specification 1 6	PAR				
2Debian Linux 4Package 0 7	DEB				
2Nawk Programming 4Languaget 0 8	NAWK, GAWK, AWK				
2FrameMaker 4Dictionary 0 9					
2FrameMaker Screen 4Font 1 0					
2Hierarchical Data 4Format File (v5)	HDF, HE5				

1						
1						
2	DesignWorks Link	DWL				
4						
1						
2						
2	DesignWorks Schematic	CCT				
4						
1						
3						
2	Pretty Good	TXT				
4	Privacy					
1	Key/Signature					
4	Text					
2	Navy Interchange	NIFF				
4	File Format Image					
1						
5						
2	Free Graphics	FGF				
4	Format Image					
1						
6						
2	GNUnet Directory	GND				
4						
1						
7						
2	AC-3 / Dolby	AC3, EAC3				
4	Digital Audio					
1						
8						

2 4 1 9	Advanced Audio Coding ADTS Sound	AAC				
2 4 2 0	BONK Lossless/Lossy Compressed Audio	BONK				
2 4 2 1	Dolby Theatre System Audio	DTS				
2 4 2 2	DEC Sound	SND				
2 4 2 3	MPEG 4 Animation	MP4, MPEG, MPG4				
2 4 2 4	MPEG 2 Transport Stream	MP2T, MPEG				
2 4 2 5	Sealed GIF Image	SGI, SGIF, S1G				
2 4	GNU Database Manager File	GDBM				

2						
6						
2	DataEase Database	DBM				
4						
2						
7						
2	KDE Desktop Entry					
4						
2						
8						
2	KDE Configuration					
4						
2						
9						
2	Xmcd CD	XMCD				
4	Information					
3						
0						
2	SysV R4 PKG	PKG				
4	Datastreams					
3						
1						
2	Pretty Good					
4	Privacy Public Key					
3	Block					
2						
2	Pretty Good					
4	Privacy Signed					
3	Message					
3						

2 4 3 4	Pretty Good Privacy Signature					
2 4 3 5	Pretty Good Privacy Encrypted Data					
2 4 3 6	Ichitaro Document	JTD		y*		
2 4 3 7	Eet Archive	EET				
2 4 3 8	AppleSingle MIME Format					
2 4 3 9	AppleDouble MIME Format	DAT, AD				
2 4 4 0	Atom Format	ATOM				
2 4	Common Name Resolution Protocol	CNRP				

4 1						
2 4 4 2	Call Processing Language	CPL				
2 4 4 3	DICOM Image (MacBinary)	DICM, DCM				
2 4 4 4	Internet X.509 Public Key DVCS Protocol	DVCS				
2 4 4 5	Extensible Provisioning Protocol	EPP				
2 4 4 6	Fast Infoset (XML)	FINF				
2 4 4 7	HyperStudio Stack (MacBinary)	STK				
2 4 4 8	MacWrite II (MacBinary)					

2 4 4 9	MPEG 4 Animation (MacBinary)	MP4, MPEG, MPG4				
2 4 5 0	Material Exchange Format File (MacBinary)	MXF				
2 4 5 1	OGG Vorbis Compressed Audio (MacBinary)	OGG				
2 4 5 2	Presence Information Data Format	PIDF				
2 4 5 3	Plucker Document	PDB				
2 4 5 4	Relax NG Compact Syntax File	RNC				
2 4 5 5	XML Based Filtering Format	CL, XML				
2 4	Post-it-Notes (MacBinary)	PWN				

5						
6						
2	AceText Collection	ATC				
4						
5						
7						
2	Acrobat XML Data	XDP, XDC				
4	Package					
5						
8						
2	Mac OS X Installer	DIST, DISTZ, PKG,				
4	(MacBinary)	MPKG				
5						
9						
2	AudioGraph Video	DIST, DISTZ, PKG,				
4	(MacBinary)	MPKG				
6						
0						
2	Cinderella	CDY				
4	(MacBinary)					
6						
1						
2	CASLwin Program	CSP				
4						
6						
2						
2	CommonSpace	CSP, CST				
4	Document/Templat					
6	e (MacBinary)					
3						

2 4 6 4	Phone Doubler	QCALL, QCA				
2 4 6 5	Frogans Document	FNC				
2 4 6 6	DocuFile / EDMICS 2000	DDD				
2 4 6 7	FuzzySheet Document	FZS				
2 4 6 8	Emu48 Emulator Keyboard Configuration	KML				
2 4 6 9	Google Earth Keyhole Markup Language	KML				
2 4 7 0	Google Earth Keyhole Markup Language (MacBinary)	KML				
2 4	GrafEq Document (MacBinary)	GQF, QQS				

7 1						
2 4 7 2	Job Layout Language Image	JLYT				
2 4 7 3	Visionary Image	VIS				
2 4 7 4	Java Midlet	RMS				
2 4 7 5	Karbon Document	KARBON				
2 4 7 6	KChart Document	CHRT				
2 4 7 7	KFormula Document	KFO				
2 4 7 8	Kivio Document	FLW				

2 4 7 9	Kontour Document	KON				
2 4 8 0	KPresenter Slide Show (XML)	KPR, KPT				
2 4 8 1	KSpread Document	KSP				
2 4 8 2	KWord Document / Template	KWD, KWT				
2 4 8 3	Lotus 123 Worksheet (MacBinary)	123, WK1, WK3, WK4		Y		
2 4 8 4	Medical Waveform Description	MWF				
2 4 8 5	Medical Waveform Description (MacBinary)	MWF				
2 4	NetMail / 3000 / DeskLink / MS92 File					

8 6						
2 4 8 7	MS Windows Cabinet Archive (MacBinary)	CAB, PKG, ??Z, ?? _, GDP				Y
2 4 8 8	OpenDocument Chart	ODC	Y	Y		
2 4 8 9	OpenDocument Chart Template	OTC	Y	Y		
2 4 9 0	OpenDocument Formula	ODF	Y	Y		
2 4 9 1	OpenDocument Formula Template	OTF	Y	Y		
2 4 9 2	OpenDocument Graphics	ODG	Y	Y		
2 4 9 3	OpenDocument Graphics Template	OTG	Y	Y		

2 4 9 4	OpenDocument Image	ODI	Y	Y		
2 4 9 5	OpenDocument Image Template	OTI	Y	Y		
2 4 9 6	OpenDocument Presentation	ODP	Y	Y		
2 4 9 7	OpenDocument Presentation Template	OTP	Y	Y		
2 4 9 8	OpenDocument Spreadsheet	ODS	Y	Y		
2 4 9 9	OpenDocument Spreadsheet Template	OTS	Y	Y		
2 5 0 0	OpenDocument Text	ODT	Y	Y		
2 5	OpenDocument Text Master	OTM	Y	Y		

0						
1						
2	OpenDocument	OTT	Y	Y		
5	Text Template					
0						
2	OpenDocument	OTH	Y	Y		
5	Text Web					
0						
3						
2	PowerBuilder	PBD, DLL				
5	Dynamic Library					
0	(MacBinary)					
4						
2	Preminet File	PREMINET				
5						
0						
5						
2	Web Application	WADL				
5	Description					
0	Language					
6						
2	XML Encryption	XML				
5						
0						
7						
2	Enhanced Variable	EVC				
5	Rate Codec Sound					
0						
8						

2509	Composite Attachment File	CAF, DAF, EM, PM				
2510	JungUm Office Document	GUL, BKG				
2511	Mozilla Browser Extension Package	XPI				
2512	Lotus Approach Document	APR, MPR				
2513	DesignCAD Drawing	DCD				
2514	Capture Classic Filler Template	JDT				
2515	OmniForm Form	OFM				
2515	WINDEV Index	NDX				

1 6						
2 5 1 7	MapSource GPS Waypoint Database	GDB				
2 5 1 8	Trend Micro Pattern File	000, nnn				
2 5 1 9	3D Movie Maker Movie	3MM				
2 5 2 0	T602 Document	602				
2 5 2 1	Unicode Translated Fonts	NTF				
2 5 2 2	MS Visual Studio.NET Cache	CACHE, MAP				
2 5 2 3	Sybase Localization File	LCU				

2 5 2 4	MS Spell Checker Dictionary (Win95)	DIC				
2 5 2 5	3D Studio 3.0 Image	3DS				
2 5 2 6	3D Studio Image (ASCII)	ASC				
2 5 2 7	Alchemy Molecule	ALC				
2 5 2 8	Alchemy 2000 Molecule	AL2				
2 5 2 9	Direct3D Object (Text)	X, D3D, XIE				
2 5 3 0	Direct3D Object (Text) Compressed	X, D3D, XIE				
2 5	Direct3D Object (Binary) Compressed	X, D3D, XIE				

3 1						
2 5 3 2	AVS Field Data	FLD				
2 5 3 3	Geom Image	GEOM				
2 5 3 4	GLF 3D Font	GLF				
2 5 3 5	HyperChem Molecule Image	HIV				
2 5 3 6	International Laser Display Association 3D Image	ILD				
2 5 3 7	International Laser Display Association 2D Image	ILD				
2 5 3 8	International Laser Display Association Colour Palette	ILD				

2 5 3 9	Infini-D 3D Image	INFINI				
2 5 4 0	Impress Presentation / Template	SDD, VOR				
2 5 4 1	StarMath Formula	SMF				
2 5 4 2	IRIT 3D Interchange Image	IRIT				
2 5 4 3	MDL 3d Image (Binary)	MDL				
2 5 4 4	MDL 3d Image (Text)	MDL				
2 5 4 5	Triplos MOL2 3D Molecule Image	MOL2				
2 5	Alias/Wavefront Material Library	MTL				

4						
6						
2	Object Oriented	QUAD				
5	Graphics Library:					
4	Quadrilaterals					
7	(Binary)					
2	Object Oriented	MESH				
5	Graphics Library:					
4	Mesh (Binary)					
8						
2	Object Oriented	BBP, BEZ				
5	Graphics Library:					
4	Bezier (ASCII)					
9						
2	Object Oriented	BBP, BEZ				
5	Graphics Library:					
5	Bezier (Binary)					
0						
2	Object Oriented	OFF				
5	Graphics Library:					
5	Objects (ASCII)					
1						
2	Object Oriented	OFF				
5	Graphics Library:					
5	Objects (Binary)					
2						
2	Object Oriented	VECT				
5	Graphics Library:					
5	Vectors (ASCII)					
3						

2 5 5 4	Object Oriented Graphics Library: Vectors (Binary)	VECT				
2 5 5 5	Object Oriented Graphics Library: Skeleton	SKEL				
2 5 5 6	Object Oriented Graphics Library: Sphere	SPH				
2 5 5 7	Object Oriented Graphics Library: 4x4 Transformation	INST				
2 5 5 8	Object Oriented Graphics Library: Multiple 4x4 Transformations	GRP, PRJ				
2 5 5 9	Object Oriented Graphics Library: 4x4 Transformations (Binary)	GRP, PRJ				
2 5 6 0	PolyHedral Database	PHD				
2 5	Polygon 3D Objects	POLY				

6 1						
2 5 6 2	Radiance 3D Scene Description	RAD				
2 5 6 3	ACIS 3D Model	SAT				
2 5 6 4	3D-XplorMath Image	SURF				
2 5 6 5	Triangular Irregular Network	TIN				
2 5 6 6	VMD 3D Image	VMD				
2 5 6 7	WorldBuilder Scene	WLD				
2 5 6 8	Radiance High Dynamic Range Image	HDR				

2 5 6 9	AmigaOS Disk Image	ADF				
2 5 7 0	Virtual Pascal Unit	VPI				
2 5 7 1	DigiTrakker Instrument	IST				
2 5 7 2	AMusic AdLib Tracker Music	AMD				
2 5 7 3	Digibooster Music	DIGI				
2 5 7 4	DOS Sound Interface Kit Module Music	DSM				
2 5 7 5	Edlib FM tracker Module Music	EDL				
2 5	Bells Whistles and Sound Boards Module Music	GDM				

7						
6						
2	Imago Morpheus	IMF				
5	Module Music					
7						
7						
2	Jamcracker	JAM				
5	Tracker Module					
7	Music					
8						
2	Musicline Module	ML				
5	Music					
7						
9						
2	Protracker 3	MOD				
5	Module Music					
8						
0						
2	Madtracker	MTP				
5	Pattern					
8						
1						
2	iNEW Emulator	SND				
5	Audio					
8						
2						
2	The Final	TFX				
5	Musicsystem					
8	eXtended Module					
3	Music					

2 5 8 4	APlayer Module Music	UNI				
2 5 8 5	Mikmod Module Music	UNI				
2 5 8 6	MAUD Audio Sample	MAUD				
2 5 8 7	IRCAM Audio Sample (Intel)	SF				
2 5 8 8	IRCAM Audio Sample (Motorola)	SF				
2 5 8 9	Speex Lossy Audio Codec Raw Audio	SPEEX				
2 5 9 0	Vorbis Lossy Audio Codec Raw Audio	VORBIS				
2 5	Anivga Toolkit Sprite Image	COD				

91						
2592	Portable Monochrome Recursive Format Image	MRF				
2593	Turbo Silver 24bit RGB Image	RGB8				
2594	Turbo Silver 12bit RGB Image	RGBN				
2595	Solitaire Image Recorder Image	SIR				
2596	Facility for Interactive Generation File	FIG				
2597	Corel Draw Raster (Motorola)	CDR, PAT				
2598	Adobe Composite Font Metrics	AFM				

2599	MS Audio/Visual Interleave (Motorola)	AVI, VFW				
2600	Alias Wavefront Movie	MV				
2601	Fanta Vision Movie (IFF)	FANT				
2602	MS Windows Media Player Play List	ASX				
2603	Perfect Office Document	DOC				
2604	The Bat! Email Message	EML, TXT	Y	Y		
2605	Thunderbird Email Message	EML, TXT	Y	Y		
2606	Yahoo! Mail Email Message	EML, TXT	Y	Y		

06						
267	StarCalc Spreadsheet / Template	SDC, VOR				
268	StarDraw Image / Template	SDA, VOR				
269	Aportis Document	PDB				
270	OpenOffice Drawing / Template	SXD, STD	Y	Y		
271	OpenOffice Math Formula	SXM	Y	Y		
272	OpenOffice Impress Presentation / Template	SXI, STI	Y	Y		
273	OpenOffice Spreadsheet / Template	SXC, STC	Y	Y		

20614	OpenOffice Text Document / Template	SXW, STW	Y	Y		
20615	OpenOffice Database	ODB	Y	Y		
20616	MS Windows Journal	JNT, JTP				
20617	MS Windows Vista Icon Cache Database	DB				
20618	MS Channel Definition Format	CDF-MS, CDF				
20619	Westmead EEG	EEG				
20620	3DX Image	3DX				
206	Photoshop Color Book	ACB, 8BCB				

2 1						
2 6 2 2	Psion Agenda File	AGN				
2 6 2 3	Akai S5000/S6000 MIDI Keyboard Sample	AKP				
2 6 2 4	MS Works for Windows 3 Document (OLE)	WPS, WWP				
2 6 2 5	MS Works Spreadsheet (OLE)	WWS, WLR				
2 6 2 6	MS Excel Spreadsheet (Open XML, Binary)	XLSB	Y	Y		
2 6 2 7	Pretty Good Privacy Signature (ASCII)	ASC				
2 6 2 8	Atlantis Facsimile Image	FAXX				

2 6 2 9	Amiga Contiguous Bitmap	ACBM				
2 6 3 0	Framer Animation					
2 6 3 1	Common Musical Score	CMUS				
2 6 3 2	Flow Document					
2 6 3 3	MathVision Matrix					
2 6 3 4	IFF 3D Object					
2 6 3 5	Program Traceback	PGTB				
2 6	Image Professional Compressed Bitmap	PMBC				

3 6						
2 6 3 7	Deluxe Paint Perspective Move	PRSP				
2 6 3 8	IFF Sound Sample	SAMP				
2 6 3 9	ASDG Split File	SPLT				
2 6 4 0	ToolMaker User Interface Design	TMUI				
2 6 4 1	QED Symbolic Math Data Structure	TREE				
2 6 4 2	IFF Tracker Song	TRKR				
2 6 4 3	IFF YUV Image	YUVN				

2 6 4 4	LOB Compressed Archive	LOB				
2 6 4 5	AFX/XPFX Archive	AFX				
2 6 4 6	Atomik Cruncher Archive					
2 6 4 7	Automation Compacter Archive					
2 6 4 8	Automation Packer Archive					
2 6 4 9	Crunch Archive					
2 6 5 0	Resident Compressor Archive					
2 6	Crunch Mania Archive					

5 1						
2 6 5 2	IFF Retargetable Graphic Image	RGFX, RGX				
2 6 5 3	Audio Manager Module (RIFF)	AMM				
2 6 5 4	Audio Manager Module	AMM				
2 6 5 5	Electronic Arts Game Audio 1	ASF, AS4				
2 6 5 6	Electronic Arts Game Audio 2	KSF				
2 6 5 7	STOS Animation Bank	MBK				
2 6 5 8	AXS Realtime Analog Synthesizer Module	AXS				

2 6 5 9	AWS Virtual Tape Image	AWS				
2 6 6 0	DreamWorks Resource Archive	BLB				
2 6 6 1	Core Audio Format Sound	CAF				
2 6 6 2	Revolution Resource Archive	CLU				
2 6 6 3	FutureVision Resource Archive	CMP				
2 6 6 4	FutureVision Movie Soundtrack	FST				
2 6 6 5	TrueSpace 3D Object (ASCII)	COB, SCN				
2 6	MS Compress 6.22 Archive	??\$, ??_, ?_, IBT				

6						
6						
2 6 6 7	MS Compress 5.0 Archive	??\$, ??_, ?_, IBT, CEB, EX_				
2 6 6 8	Calamus Vector Graphic Image	CVG				
2 6 6 9	DCM Music Module	DCM				
2 6 7 0	Dynamic File Format	DFP				
2 6 7 1	Dore Raster Image	DORE				
2 6 7 2	Dynamic Process Format Design	DPF				
2 6 7 3	Medical Biosignals Data	EBS				

2 6 7 4	Exchange Card	ECARD				
2 6 7 5	Floppy Disk Image / MBR (FAT16)	IMG, DD				Y
2 6 7 6	Hard Disk Image/MBR (FAT12)	IMG, DD				Y
2 6 7 7	Hard Disk Image/MBR (FAT16)	IMG, DD				Y
2 6 7 8	Hard Disk Image/MBR (FAT32)	IMG, DD				Y
2 6 7 9	Hard Disk Image/MBR (NTFS)	IMG, DD, BAK				Y
2 6 8 0	Hard Disk Image/MBR (Linux)	IMG, DD				Y
2 6	MS Windows Program (64 bit)	EXE, SCR, MOD, SYS, BIN, COM				

81						
2682	MS Windows .NET Program (32 bit)	EXE, SCR, MOD, SYS, BIN, COM				
2683	MS Windows .NET Program (64 bit)	EXE, SCR, MOD, SYS, BIN, COM				
2684	MS Windows Library (64 bit)	DLL, TLB, OCX, CPL, HX?				
2685	MS Windows .NET Library (64 bit)	DLL, TLB, OCX, CPL, HX?				
2686	MS Windows .NET Library (32 bit)	DLL, TLB, OCX, CPL, HX?				
2687	Atari 7800 ROM Image	A78				
2688	Absolute Database	ABS				

2 6 8 9	DB/TextWorks Database Access Control File	ACF				
2 6 9 0	Antenna Data File	ADF				
2 6 9 1	openEHR Archetype Definition Language	ADL				
2 6 9 2	Advantage Database Server Database	ADT				
2 6 9 3	Casio Travel Phrase Database	ADT				
2 6 9 4	Visual Objects Application Export File	AEF				
2 6 9 5	Advanced Forensic Format Disk Image	AFF				
2 6	Applixware Graphic Image	AG				

96						
2697	BlackBerry Application Loader	ALX				
2698	ArtMoney Table	AMT				
2699	MTV Movie	AMV				
2700	ArmPack Archive	AP				
2701	Timex Data Link Watch Application	APP				
2702	AptiQuiz Test	AQ1				
2703	FreeArc Compressed Archive	ARC				

2704	Active Tutor Data	ARF				
2705	CD Autorun Creator Package	ARN				
2706	Pro/ENGINEER Assembly	ASM				
2707	Aegisub Advanced SubStation Alpha Subtitle	ASS, SSA				
2708	Athena Document	ATH				
2709	Terragen Light and Atmosphere	ATM, ATMSPHR				
2710	AutoREALM Map	AUR				
2711	AutoREALM Symbols	AUS				

1						
1						
2	Avid Bin File	AVB				
7						
1						
2						
2	Winamp Advanced	AVS				
7	Visualization					
1	Studio					
3						
2	Artweaver	AWD				
7	Painting					
1						
4						
2	Alternative Web	AWL				
7	Language					
1						
5						
2	snAPPshot ASCII	AXT				
7	Application Object					
1	Template					
6						
2	AxCrypt Encrypted					
7	Data					
1						
7						
2	Z80 Music Code	AYM, AY				
7	With AY Music					
1						
8						

2719	QazaR Compressed Archive	AZA				
2720	AnswerWorks Search Glue File	MOR				
2721	SSCE Spelling Lexicon Database	SDF				
2722	MS Windows Media Compressed Database	WMDB				
2723	MS Windows Media Catalog Database	WMDB				
2724	MS Outlook Personal Information Store (2003 - 2007)	PST				Y
2725	Delphi Form	DFM				
2726	Delphi Source Code	PAS				

2 6						
2 7 2 7	MS Windows Backup Utility Tape Image	BAK, BKF				
2 7 2 8	Seagate Backup Tape Image	BKF				
2 7 2 9	Extended Binary Coded Decimal Interchange Code (EBCDIC)					
2 7 3 0	Wireless Markup Language	WML				
2 7 3 1	Unix Fast File System V2 Disk Image (Motorola)					
2 7 3 2	Fat Binary	68K, PPC				
2 7 3 3	Text File (UTF- 32LE)					

2 7 3 4	Text File (UTF-732BE)					
2 7 3 5	Harvard Graphics Symbol Image	SYW				
2 7 3 6	Milestones Project	MLS				
2 7 3 7	Skype Localization Data	MLS				
2 7 3 8	MS Word 6.0/95 Document (preOLE)	DOC, DOT, WIZ, WZS, WRI, WBK	Y	Y		
2 7 3 9	Brother Daisy Wheel Word Processor Document					
2 7 4 0	Brother Ink Jet Word Processor Document					
2 7	Brother Notebook Word Processor Document					

4						
1						
2	Brother					
7	SPN/France Word					
4	Processor					
2	Document					
2	Brother SPN/UK					
7	Word Processor					
4	Document					
3						
2	DisplayWrite					
7	Document					
4						
4						
2	Lotus Manuscript					
7	Document					
4						
5						
2	MASS-11 Export					
7	Document					
4						
6						
2	MASS-11 Native					
7	Document					
4						
7						
2	WordStar 2000	WS2		Y		
7	Document					
4						
8						

2XyWrite / 7Signature / Nota 4Bene Document 9					
2Harvard Graphics 7Presentation for 5DOS 0	SHW				
2CPI XRD Document 7 5 1	CPI				
2MS Visual C++ 7Workbench 5Information 2	VCW				
2Skype Profile and 7Contacts 5 3	DBB				
2Blitz3D/Max/Plus 7Texture or Mesh 5File 4	B3D				
2BlindWrite 5 Table 7of 5Contents/Tracks 5	B5T				
2Hangul Word 7Processor Document	HWP				

5						
6						
2	MS Works for Mac 4	DB4, WP4, SS4				
7	Database/Doc/She					
5	et (OLE)					
7						
2	MS Works for Mac 3	WP				
7	Document					
5						
8						
2	MS Works for Mac 2	WP2				
7	Document					
5						
9						
2	GPS Pathfinder	SSF				
7	Office Almanac and					
6	Base Data					
0						
2	Lotus Works	DOC				
7	Document					
6						
1						
2	MS Visual FoxPro	DBF, PJX, DBC				
7	Database					
6						
2						
2	MS Word for OS/2	DOC	Y	Y		
7	Document					
6						
3						

2 7 6 4	OfficeWriter Document					
2 7 6 5	PeachText 5000 Document					
2 7 6 6	Samna Word Document					
2 7 6 7	Applixware Spreadsheet	AS				
2 7 6 8	Simulink Simulation Model	MDL				
2 7 6 9	Matrix Spreadsheet	MTX				
2 7 7 0	Moxcel Spreadsheet	MXL				
2 7	Polyphonic Phone Ringtone	PMD				

7 1						
2 7 7 2	Dreamcast Texture	SPR				
2 7 7 3	PC File Index	NDX, NDS				
2 7 7 4	PC File Letter / Report	LTR, REP				
2 7 7 5	DeskMate Document	DOC				
2 7 7 6	Pathetic Writer Document	PW				
2 7 7 7	SuperCalc Worksheet	CAL				
2 7 7 8	CADS Planner Drawing	DRW				

2 7 7 9	Adobe Photoshop Plug-in	8BI, AXT				
2 7 8 0	WHAP Compressed Amiga Archive	AP				
2 7 8 1	EA Game MOD	BIG, BIGF, VIV				
2 7 8 2	MS QuickBASIC Source Code	BAS				
2 7 8 3	Blizzard Texture	BLP				
2 7 8 4	Blender 3D Project File Format	BLEND				
2 7 8 5	Bryce 6 Scene	BR6				
2 7	CISO Compressed ISO CD Image	CSO				

8 6						
2 7 8 7	Cinema 4D Model	C4D				
2 7 8 8	Collage Maker Graphic	CLG				
2 7 8 9	Canon Digital Camera RAW Image (CR)	CR2				
2 7 9 0	ClipArt Gallery Download Package	CIL				
2 7 9 1	PowerISO Direct Access Archive	DAA				
2 7 9 2	DNL Page Turning e-Book	DNL				
2 7 9 3	DirectDraw Surface	DDS				

2 7 9 4	Ovation Pro Document	DPD				
2 7 9 5	DriveCam Event Video	DCE				
2 7 9 6	Darwin Pond Project	DWP				
2 7 9 7	Media Safe Encrypted Data	ENC				
2 7 9 8	SolidWorks eDrawings Assembly	EASM, EPRT				
2 7 9 9	Encore Musical Notation	ENC				
2 8 0 0	Eyemail Video Recording	EYE				
2 8	MS Font File	FNT				

0						
1						
2	Adobe Flash	FLP				
8	Project					
0						
2	Autodesk 3D Data	FBX				
8	Exchange Image					
0	(Binary)					
3						
2	Final Cut Pro	FCP				
8	Project					
0						
4						
2	Adobe Acrobat	FDF				
8	Forms Data Format					
0						
5						
2	Graphing	GCF				
8	Calculator File					
0						
6						
2	Graphtec Vector	GSD				
8	Graphics Image					
0						
7						
2	Google Video	GVP				
8	Playlist					
0						
8						

2 8 0 9	Adobe InDesign Document	INDD				
2 8 1 0	Inspiration Concept Map (Flowchart) Document	ISF				
2 8 1 1	iTunes Music Database	ITL				
2 8 1 2	Indeo Video Format	IVF				
2 8 1 3	Java Application Descriptor	JAD				
2 8 1 4	LDAP Data Interchange Format	LDIF				
2 8 1 5	LZMA Compressed Archive	LZMA				
2 8	Thunderbird Mail Summary File	MSF				

1 6						
2 8 1 7	Mozilla Address Book	MAB				
2 8 1 8	Media Player Classic (MPC) Playlist	MPCPL				
2 8 1 9	Movie Collector Catalog	MVC				
2 8 2 0	Sony Movie	MQV				
2 8 2 1	Nero CD/DVD Image	NRG				
2 8 2 2	PIM Compressed Archive	PIM				
2 8 2 3	CER Internet Security Certificate	CER				

2 8 2 4	Google Sketchup Models	SKP				
2 8 2 5	Apple QuickTime Cache	QTCH				
2 8 2 6	Binary Property List	NIB, QTZ				
2 8 2 7	HyperText Markup Language (UTF- 32BE)	HTML, HTM, HT?, HTTP, ASP?, MHT, HH?, XM		Y		
2 8 2 8	HyperText Markup Language (UTF- 32LE)	HTML, HTM, HT?, HTTP, ASP?, MHT, HH?, XM		Y		
2 8 2 9	HyperText Markup Language (UTF- 16BE)	HTML, HTM, HT?, HTTP, ASP?, MHT, HH?, XM		Y		
2 8 2 0	HyperText Markup Language (UTF- 16LE)	HTML, HTM, HT?, HTTP, ASP?, MHT, HH?, XM		Y		
2 8	HyperText Markup Language (UTF-8)	HTML, HTM, HT?, HTTP, ASP?, MHT, HH?, XM		Y		

31						
2832	Round-Robin Database	RRD				
2833	RealMedia Metafile	RAM				
2834	Super Nintendo System ROM Image	SMC				
2835	Acronis TrueImage Disk Image	TIB				
2836	GroupWise User Word List	UWL				
2837	Video CD	VCD				
2838	Working Model Motion Simulation	WM				

2839	Nokia Saved SMS Message	VMG				
2840	WebEx Recording	WRF				
2841	MS Windows Media Player Playlist	WPL				
2842	MS InfoPath Dynamic Form/Template	XSN				
2843	MS InfoPath Document (XML)	XML, MHT		Y		
2844	Sigma Camera RAW Picture Image	X3F				
2845	WinZix Compressed Archive	ZIX				
2846	Zzip Compressed Archive	ZZ				

4 6						
2 8 4 7	Ghost Disk Backup (DOS)	001, nnn, GHO				Y
2 8 4 8	Authorware Course File (Without Runtime)	A4P				
2 8 4 9	Archos Encrypted / Signed Data	AAS, AOS				
2 8 5 0	Altair Binary Format	ABF				
2 8 5 1	ArCon Project File	ACP				
2 8 5 2	Windows Policy Template	ADM				
2 8 5 3	Windows Policy Template (Unicode)	ADM				

2 8 5 4	iPer Advanced Embedded Hypertext	AEH				
2 8 5 5	Affix File	AFF				
2 8 5 6	AGEMA File	AFF				
2 8 5 7	TracerCAD Drawing	AK				
2 8 5 8	RealFlight Radio Control Flying File	AIRPORTS				
2 8 5 9	Aksharamala Binary Keymap	AKM				
2 8 6 0	Aley's Module	ALM				
2 8	XSL Formatting Objects Form	FO, XML				

6 1						
2 8 6 2	A.M. Composer Music	AMC				
2 8 6 3	Project Dogwaffle Animated Brush	ANB				
2 8 6 4	MightyFax File	APF				
2 8 6 5	Sony RAW Image	ARW				
2 8 6 6	freeCAD assembly	ASM				
2 8 6 7	Aegisub Advanced SubStation Alpha Subtitle (Unicode)	ASS, SSA				
2 8 6 8	Empire Earth 1 Data	SSA				

2 8 6 9	Avast! Antivirus Skin	ASWCS				
2 8 7 0	Antenna Project	ATA				
2 8 7 1	iPhoto Image Attributes	ATTR				
2 8 7 2	Kaspersky Anti- virus Toolkit Database	AVC				
2 8 7 3	BaDonGo File Information	BADONGO				
2 8 7 4	HBasic Source Code	BAS				
2 8 7 5	HEC-HMS Basin Model Settings	BASIN				
2 8	ScriptBasic Binary File (32 bit)	BBF				

7						
6						
2	ScriptBasic Binary	BBF				
8	File (64 bit)					
7						
7						
2	BrainBox Neural	BBX				
8	Net					
7						
8						
2	Low Level Virtual	BC				
8	Machine Bytecode					
7						
9						
2	Low Level Virtual	BC				
8	Machine Bytecode					
8	(Compressed)					
0						
2	Brother BES-100E	BDF				
8	Embroidery					
8						
1						
2	Cryo Interactive	BF				
8	Game Data					
8						
2						
2	Blowfish Encrypted	BFA				
8	Data					
8						
3						

2 8 8 4	Big Flexible Line Interpretation (C64) Bitmap	BFLI				
2 8 8 5	Brother Embroidery Software Font	BFN				
2 8 8 6	BitFax Document	BFX				
2 8 8 7	DESI-III drawing	BIN				
2 8 8 8	BIZ dVS Model/Object 1.0	BIZ				
2 8 8 9	IBM BookManager Bookshelf Index	BKI				
2 8 9 0	IBM BookManager Bookshelf	BKS				
2 8	Cosmic Blobs Model	BLOB				

9 1						
2 8 9 2	America Online Instant Messenger Buddy List	BLT				
2 8 9 3	EVE Online Data	BLUE				
2 8 9 4	BMA Archiver Compressed Archive	BMA				
2 8 9 5	GameCube 3D Model (Texture + Skeleton)	BMD				
2 8 9 6	ByteMap Font	BMF				
2 8 9 7	Award AWBM BIOS Bitmap	BMP				
2 8 9 8	FrameMaker Book	FM, FRM				

2 8 9 9	Soldat Bot Information	BOT				
2 9 0 0	Buero Plus Next FlashFiler Database	BPD				
2 9 0 1	Business Plan Pro Data	BPD				
2 9 0 2	BrioQuery File	BQY				
2 9 0 3	BinSCII Compressed Archive	BSC, BSQ, BNS				
2 9 0 4	Valve Game Map	BSP				
2 9 0 5	Getic 3D Scene/Model	BSP				
2 9	Quake 2 Map	BSP				

06						
2907	VTBuilder Binary Terrain	BT				
2908	FlightGear Scenery	BTG				
2909	DB/TextWorks Database Term and Word Indexes	BTX				
2910	BvD Fileset	BVD				
2911	BrainWave Generator Binaural Beat	BWG				
2912	Enot External Photo Viewer Settings	BWS				
2913	PictureGear Studio File	BXU				

2 9 1 4	Zone Identifier Stream (NTFS ADS)	IDENTIFIER				
2 9 1 5	Summary Information Stream (NTFS ADS)					
2 9 1 6	Generic Forensic Zip Disk Image (Intel)	gfz, gfzip				
2 9 1 7	Generic Forensic Zip Disk Image (Motorola)	gfz, gfzip				
2 9 1 8	IXimager Disk Image	ASB, IDIF, IRBF, IEIF				
2 9 1 9	Windows Media (HD) Photo	WDP, HDP, WMP				
2 9 2 0	MrSID Image	SID				
2 9	Still Picture Interchange File Format (SPIFF)	SPIFF, SPF, JPG, JPEG			Y	

2 1						
2 9 2 2	OGG FLAC Compressed Audio	OGG				
2 9 2 3	Digital Moving Picture Exchange Bitmap (Motorola)	DPX				
2 9 2 4	Open eBook Forum Publication	OPF				
2 9 2 5	Mujahideen Secrets	ENC				
2 9 2 6	DesignTools 2D Design	DTD				
2 9 2 7	DeskMate Worksheet	WKS				
2 9 2 8	Palm OS Zire Photo Database	DB				

2 9 2 9	Big Tag Image File Format	TIFF, TIF			Y	
2 9 3 0	National Imagery Transmission Format Image v2.x	NTF, NITF				
2 9 3 1	Norton Disk Doctor Undo	DAT				
2 9 3 2	CadStd Drawing	CAD				
2 9 3 3	EXTRACAD Drawing	CAD				
2 9 3 4	Capella Gallery Music	CAG				
2 9 3 5	QV Map Geographic Coordinates	CAL				
2 9	Capella Music Sheet	CAP				

36						
2937	Network Monitor Capture	CAP				
2938	Snoop Capture	CAP				
2939	SAPCAR Archive	CAR				
2940	CATIA Drawing	CATDRAWING				
2941	Computer Associates Archive	CAZ				
2942	MapBrowser / MapWriter Vector Map	CBD				
2943	Calendar Builder Saved Calendar	CBF				

2 9 4 4	CoffeeCup Button Factory Button	CBF				
2 9 4 5	Calendar Builder Style Sheet	CBS				
2 9 4 6	Code Breaker Save	CBS				
2 9 4 7	Multimedia Fusion File	CCA				
2 9 4 8	Mactive AdBase Data	CDB				
2 9 4 9	Midtown Madness 3 Data	CDDS				
2 9 5 0	NetCDF CDL Metadata	CDL, NC, CDF				
2 9	NTI CD&DVD-Maker Image	CDM				

51						
2952	Apabi eBook	CEB, XEB				
2953	Context Free Design Grammar	CFDG				
2954	Flight Simulator Aircraft Configuration	CFG				
2955	Calamus Font	CFN				
2956	Egrid32 Compilable Grid Ready to be Compiled	CGF				
2957	Egrid32 Compilable Grid Ready to be Modified	CGF				
2958	GOLD Parsing System Table	CGT				

2 9 5 9	ChiWriter Document 3.x	CHI				
2 9 6 0	ChiWriter Document 4.x	CHI				
2 9 6 1	Chile Compressed Archive	CHL				
2 9 6 2	SPSS Template	CHT, SCT				
2 9 6 3	CircuitMaker Schematic	CKT				
2 9 6 4	ListPro Database	CLF, WLT				
2 9 6 5	ClickFORMS Data	CLK				
2 9	WatchGuard Cloaked File	CLK				

6						
6						
2967	DeskMate Clip Art	CLP				
2968	Blu-ray Clip AV Stream	CLPI				
2969	Flash Color Table	CLR				
2970	Logger Pro Data	CMBL				
2971	CrystalMaker Data v5	CMD5				
2972	CrystalMaker Data v2-4	CMDF				
2973	Linux Compressed ROM File System (CRAMFS)	CMG				
3	(Motorola)					

2 9 7 4	Chemical Markup Language Document	CML				
2 9 7 5	Andrew Toolkit CMU File	CMU				
2 9 7 6	Compressed Channel Data File	CNDF				
2 9 7 7	Cult3D ActiveX Player Application	CO				
2 9 7 8	Blackberry Compiled Java Code	COD				
2 9 7 9	MS HTML Help Collection	COL				
2 9 8 0	Windows Vista Contact	CONTACT				
2 9	Hydrologic Modeling System	CONTROL				

81	Control Specifications Data					
2982	Cartesian Products Compressed Internet Document	CPC				
2983	AVCHD Clip Information	CPI				
2984	x509 Security Certificate	CRT				
2985	x509v3 Security Certificate	CRT				
2986	Cryptx Encrypted Data	CRYPT, CRYPTX				
2987	Csound Unified File Format for Orchestras and Scores	CSD				
2988	MSN Messenger Saved Contact List	CTT				

2 9 8 9	AutoCAD Color- dependent Plot Style Table	CTB				
2 9 9 0	Clam AntiVirus Database	CVD				
2 9 9 1	Jet-VoiceMail Audio	CVF				
2 9 9 2	Combustion Workspace Project	CWS				
2 9 9 3	Crocodile Physics Simulation	CYP				
2 9 9 4	DGIndex Project	D2V				
2 9 9 5	OpenDark Compressed Archive					
2 9	Allegro Compressed Packfile	DAT				

96						
2997	Allegro Uncompressed Packfile	DAT				
2998	AVG 6 Integrity Database	DAT				
2999	LabVIEW Binary Datalog	DAT				
3000	TomTom Traffic Data	DAT				
3001	UFOCaptureV2 Map	DAT				
3002	Borland Paradox Database	DB				
3003	PFS: First Choice Document / PFS:Write	DOC, PFS, PFB				

3 0 0 4	PFS: First Choice Database / PFS:File	FOL, PFS				
3 0 0 5	MS Works Database 2 for Windows/DOS	WDB				
3 0 0 6	MS Works Database 3 for Windows	WDB				
3 0 0 7	MS Works Spreadsheet 2 for Windows/DOS	WKS				
3 0 0 8	MS Works Database 3 for Mac	DB, DB3				
3 0 0 9	MS Works Database 2 for Mac	DB, DB2				
3 0 1 0	MS Works Spreadsheet 2 for Mac	SS2, SS				
3 0 0	MS Works Spreadsheet 3 for Mac	SS3, SS				

1						
1						
3012	Symphony Dictionary	DIC				
3013	Symphony Registry Database	RDB				
3014	Symphony Dialog Graphic Image	SDG, RDG				
3015	Symbian Font					
3016	Amiga Program					
3017	MS Digital Rights Management License Store	HDS				
3018	Paradox Memo Holder	MB				

3 0 1 9	MS Groove System Store	XSS, XSSR				
3 0 2 0	MS Windows Live Contacts	WIN, ADDRESSBOOK, MECONTACT				
3 0 2 1	MS Groove System Store Log	XSSLOG				
3 0 2 2	Device Emulator System Store	DESS				
3 0 2 3	AppleScript Script	SCPT				
3 0 2 4	WildTangent World Data	WDAT				
3 0 2 5	WebEx Universal Communications Data	UCF				
3 0	Symbian File (General)					

2 6						
3 0 2 7	Symbian Printer Driver					
3 0 2 8	Symbian Clipboard					
3 0 2 9	Symbian Sketch Image					
3 0 3 0	Symbian Word Document					
3 0 3 1	Symbian Spreadsheet					
3 0 3 2	Symbian EasyFax Initialization					
3 0 3 3	Symbian Database					

3 0 3 4	Symbian Initialization File	INI				
3 0 3 5	Symbian Library	DLL, OPX				
3 0 3 6	Symbian Device Driver					
3 0 3 7	Symbian Printer Definition					
3 0 3 8	Digital Asset Exchange File	DAE				
3 0 3 9	FaceSave Image	FACE				
3 0 4 0	RTrace 3D Image	SFF, SCN				
3 0	Standard Archive Format	SAF, POD				

41						
3042	Textual 3D Data Description	TTDDD, TTD				
3043	Zebra Metafile	ZBR				
3044	NeWS Font Family					
3045	OpenFont Scalable Binary					
3046	OpenFont Encrypted Scalable Binary					
3047	X11/NeWS Bitmap Font					
3048	X11/NeWS Font Family					

3 0 4 9	Emacs RMAIL News Message					
3 0 5 0	MBX Mail Folder	MBX				Y
3 0 5 1	Cyrus Skiplist Database					
3 0 5 2	Fidonet Message Area Database	JAM, JHR				
3 0 5 3	Kodak Photo CD Overview pack	OPA, PCD				
3 0 5 4	BSD System V AR Archive	AR				
3 0 5 5	VAX 3.0 Archive					

3056	BSArc/BS2 Archive	BSA, BS2				
3057	MAR Archive	MAR				
3058	Quantum Archive	Q				
3059	X1 Archive	X1				
3061	Freeze Archive					
3062	ZPack Archive	ZPK				
3063	Dry Archive	DRY				
30	FoxSQZ Archive					

64						
3065	PPMZ Archive	PMZ				
3066	ARQ Archive	ARQ				
3067	PUCrunch Archive					
3068	Gather Archive	GTH				
3069	LZS221 Archive	LZS				
3070	EXP1 Archive	EXP1				
3071	NRV Archive	NRV				

3072	TOP4 Archive	TOP, TO4, T4				
3073	ChiefLZA Archive					
3074	ARS Archive	ARS				
3075	NPack Archive					
3076	PFT Archive	PFT				
3077	PPMD Archive	PPMD				
3078	DC Archive	DC				
3079	TPac Archive					

79						
3080	Ai Archiver Archive	AI				
3081	EPC Archive	EPC				
3082	Compressia Archive					
3083	XPack Archive	XPA				
3084	Pretty Good Privacy Signed Message (ASCII)					
3085	Pretty Good Privacy Public Key Block (ASCII)					
3086	Pretty Good Privacy Message (ASCII)					

3 0 8 7	Linux Unified Key Setup Encrypted Data					
3 0 8 8	T602 Document (Kamenicky Encoding)	602				
3 0 8 9	T602 Document (CP 852 Encoding)	602				
3 0 9 0	T602 Document (KOI8-CS Encoding)	602				
3 0 9 1	Vi IMproved Encrypted Data	VIM				
3 0 9 2	Vi IMproved Swap File					
3 0 9 3	GNU Message Catalog (Intel)					
3 0	GNU Message Catalog (Motorola)					

94						
3095	Nazgul Compiled Message Catalog					
3096	GnuPG Key Trust Database	GPG				
3097	GnuPG Encrypted Data					
3098	Gnumeric Spreadsheet					
3099	MCrypt 2.5 Encrypted Data					
3100	MCrypt 2.2 Encrypted Data					
3101	Linux Swap File (Intel)					

3 1 0 2	Linux Kernel Boot Image					
3 1 0 3	SYSLINUX Boot Logo Image					
3 1 0 4	WordPerfect Calendar					
3 1 0 5	PlanPerfect Worksheet					
3 1 0 6	PlanPerfect Data					
3 1 0 7	Perfect Office Email Database					
3 1 0 8	GroupWise Message		Y	Y		
3 1	GroupWise Admin Database					

09						
3110	CosmicBook Hypertext Document					
3111	AmigaWriter Document					
3112	Quark XPress Document/Template (Korean,Intel)	QXD, QXT, QWD, QWT, QXL, QXB				
3113	Quark XPress Document/Template (Korean, Motorola)	QXD, QXT, QWD, QWT, QXL, QXB				
3114	JAM Archive	JAM				
3115	PMarc Archive	PMA				
3116	GTKtalog Catalog Archive	GTK				

3 1 1 7	MoPaQ Archive	MPQ				
3 1 1 8	Sun Compacted Archive					
3 1 9	Ultrix Compacted Archive					
3 1 2 0	SCO Compressed Archive	LZH				
3 1 2 1	Quasijarus Strong Compressed Archive	Z				
3 1 2 2	Amiga XPKF Compressed Archive					
3 1 2 3	Formatted Disk Image/Data Block					
3 1	Smart BootManager Backup Disk Image					

2 4						
3 1 2 5	DOS Emulator Disk Image					
3 1 2 6	Hard Disk Image/MBR (SysLinux)	IMG, DD				Y
3 1 2 7	NetBoot Disk Image					
3 1 2 8	Unix Fast File System V1 Disk Image (Intel)					
3 1 2 9	Unix Fast File System V2 Disk Image (Intel)					
3 1 3 0	Unix Fast File System V1 Disk Image (Motorola)					
3 1 3 1	Apple UFS Disk Image					

3 1 3 2	Linux ext2/ext3/ext4 File System Disk Image					
3 1 3 3	SGI File System Disk Image					
3 1 3 4	SGI XFS File System Disk Image					
3 1 3 5	High Sierra CD- ROM Filesystem					
3 1 3 6	Linux Compressed ROM File System (CRAMFS) (Intel)					
3 1 3 7	RabbitGraph Chart					
3 1 3 8	Reiser File System Disk Image (ReiserFS)					
3 1	Linux Journalled Flash File System Image (JFFS, Intel)					

3 9						
3 1 4 0	Linux Journalled Flash File System Image (JFFS, Motorola)					
3 1 4 1	u-boot/PPCBoot Disk Image (JFFS, Motorola)					
3 1 4 2	Linux Journalled Flash File System 2 Image (JFFS2)					
3 1 4 3	Squash File System Disk Image (Squashfs, Intel)					
3 1 4 4	Squash File System Disk Image (Squashfs, Motorola)					
3 1 4 5	Oracle Clustered File System Disk Image (OracleCFS)					
3 1 4 6	Oracle ASM Tagged Volume Image					

3 1 4 7	Compaq/HP RILOE Disk Image					
3 1 4 8	GFS2 File System Disk Image					
3 1 4 9	FrameMaker MML File	MML				
3 1 5 0	dBase III+/FoxBase+ Database (with memo)	DBF				
3 1 5 1	FoxBase Database	DBF				
3 1 5 2	dBase IV Database	DBF				
3 1 5 3	dBase V Database	DBF				
3 1	dBase IV Database (with memo)	DBF, BF				

5						
4						
3	dBase IV Database	DBF				
1	(with SQL table)					
5						
5						
3	FlagShip Database	DBF				
1	(with memo)					
5						
6						
3	dBase II Database	DBF				
1						
5						
7						
3	UPX Compressed	EXE				
1	Executable					
5						
8						
3	PECompact2	EXE				
1	Compressed					
5	Executable					
9						
3	Petite Compressed	EXE				
1	Executable					
6						
0						
3	Wise Installer Self	EXE				
1	Extracting Archive					
6						
1						

3 1 6 2	Dzip Self Extracting Archive	EXE				
3 1 6 3	Microsoft Installer Self Extracting Archive	EXE				
3 1 6 4	RAR Self Extracting Archive	EXE				Y
3 1 6 5	Info-Zip Self Extracting Archive	EXE				Y
3 1 6 6	Zzip Self Extracting Archive	EXE				
3 1 6 7	WinHki Self Extracting Archive	EXE				
3 1 6 8	InstallShield Self Extracting Archive	EXE				
3 1	Nullsoft Self Extracting Archive	EXE				

69						
3170	MS Windows Cabinet Installer Self Extracting Archive	EXE				
3171	Ace Self Extracting Archive	EXE				
3172	3D Systems Stereolithography CAD Image (ASCII)	STL				
3173	3D Systems Stereolithography CAD Image (Binary)	STL				
3174	Encrypted Data (Headerless)	FLK				
3175	TrueCrypt Dynamic Volume	TC				
3176	PKZip Archive (Encrypted)	ZIP, JAR, WMZ				Y

3 1 7 7	WinZip Archive (Encrypted)	ZIP				Y
3 1 7 8	EncryptOnClick (Encrypted)	EOC				
3 1 7 9	ZoneAlarm Firewall Debug Log	LOG				
3 1 8 0	Text Adventure Development System Game Resources	GAM				
3 1 8 1	Text Adventure Development System Saved Game	GAM				
3 1 8 2	Digital UNIX Core Dump					
3 1 8 3	AMANDA Backup Tape Changer Data					
3 1	Amiga Shared Library					

8 4					
3 1 8 5	Amiga Library Data				
3 1 8 6	Art Of Noise Module				
3 1 8 7	Amiga Rigid Disk Block				
3 1 8 8	Amiga DOS Disk				
3 1 8 9	Amiga FFS Disk				
3 1 9 0	Amiga Inter DOS Disk				
3 1 9 1	Amiga Inter FFS Disk				

3 1 9 2	Amiga Fastdir DOS Disk					
3 1 9 3	Amiga Fastdir FFS Disk					
3 1 9 4	Amiga Kickstart Disk					
3 1 9 5	Extensible 3D Model	X3D				
3 1 9 6	Nintendo Game Cube Movie					
3 1 9 7	MythTV NuppelVideo	NUV				
3 1 9 8	Mac OS X Detached Code Signature					
3 1	Apple Emulator 2IMG Disk Image (General)	2MG, 2IMG				

9						
9						
3	Catakig Apple	2MG, 2IMG				
2	Emulator 2IMG Disk					
0	Image					
0						
3	Sheppy's	2MG, 2IMG				
2	ImageMaker Apple					
0	Emulator 2IMG Disk					
1	Image					
3	Sweet 16 Apple	2MG, 2IMG				
2	Emulator 2IMG Disk					
0	Image					
2						
3	Bernie][the	2MG, 2IMG				
2	Rescue Apple					
0	Emulator 2IMG Disk					
3	Image					
3	ASIMOV2 Apple	2MG, 2IMG				
2	Emulator 2IMG Disk					
0	Image					
4						
3	Newton PDA					
2	Package Archive					
0						
5						
3	Mac OS X Keychain	DB				
2	Database					
0						
6						

3 2 0 7	VirtualBox Disk Image	VDI				
3 2 0 8	Mac OS X Code Signing Requirement					
3 2 0 9	Applixware Words Document	AW				
3 2 1 0	Applixware Bitmap Image	AB				
3 2 1 1	Applixware Macro	AM				
3 2 1 2	Applixware Builder Object					
3 2 1 3	MIPS Archive					
3 2	ArcFS RISC OS Archive					

1 4						
3 2 1 5	Aster*x v1 Words Document					
3 2 1 6	Aster*x v1 Graphic Image					
3 2 1 7	Aster*x v1 Spreadsheet					
3 2 1 8	Aster*x v1 Macro					
3 2 1 9	Aster*x v2 Words Document					
3 2 2 0	Aster*x v2 Graphic Image					
3 2 2 1	Aster*x v2 Spreadsheet					

3 2 2 2	Aster*x v2 Macro					
3 2 2 3	VBOX Voice Message Audio					
3 2 2 4	Blender 3D Python Script					
3 2 2 5	CGNS Advanced Data Format Database					
3 2 2 6	Symbian TextEd Document					
3 2 2 7	Symbian Clipart Images					
3 2 2 8	Symbian World Data File	DBW				
3 2	Flow Cytometry Standard Data					

2 9						
3 2 3 0	Freehand 9 Document	FH9				
3 2 3 1	Spline Font Database					
3 2 3 2	FreeBSD Screen Shot					
3 2 3 3	AVG Antivirus Vault	FIL				
3 2 3 4	MAME Compressed Hard Disk Image	CHD				
3 2 3 5	GameBryo Animation	KFM				
3 2 3 6	GNU Compiler Collection Precompiled Header	GCH				

3 2 3 7	GIMP Gradient Data					
3 2 3 8	GIMP Curves Data					
3 2 3 9	GNOME Keyring	PKR				
3 2 4 0	ACE/gr Parameter Data (ASCII)					
3 2 4 1	ACE/gr Fit Description Data					
3 2 4 2	Gringotts Encrypted Data	GRG				
3 2 4 3	HP Bitmap Image					
3 2	LightWave 3D Layered Object	LWLO				

4						
4						
3 2 4 5	Real 3D Rendering					
3 2 4 6	YAFA animation					
3 2 4 7	Super Smooth Animation	SSA				
3 2 4 8	IFF Raster Font					
3 2 4 9	IFF Vector Font					
3 2 5 0	Macintosh IFF Picture					
3 2 5 1	Deluxe Video Construction Set Video					

3 2 5 2	Uhuru Sound Software Voice					
3 2 5 3	Uhuru Sound Software Musical Score					
3 2 5 4	IslandWrite Document					
3 2 5 5	IslandDraw Image					
3 2 5 6	Wingz Spreadsheet WKZ					
3 2 5 7	Wingz Compiled Script					
3 2 5 8	Wingz Help					
3 2	MS Windows CE Cabinet Archive	CAB				

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3260	QEMU Suspend Disk Image	IMG				
3261	Dell BIOS Image	HDR				
3262	MS Visual C v1 Precompiled Header	PCH				
3263	Netscape v3 & v4 Address Book	NAB				
3264	Netscape Folder Cache	SNM				
3265	Objective Caml Executable					
3266	Objective Caml Interface	CMI				

3 2 6 7	Objective Caml Object	CMO				
3 2 6 8	Objective Caml Library	CMA				
3 2 6 9	Objective Caml Native Object	CMX				
3 2 7 0	Objective Caml Native Library	CMXA				
3 2 7 1	Objective Caml Abstract Syntax Tree Implementation					
3 2 7 2	Objective Caml Abstract Syntax Tree Interface					
3 2 7 3	Octave Data (Intel)					
3 2	Octave Data (Motorola)					

7 4						
3 2 7 5	MicroStation v8 CAD Drawing (OLE)	DGN				
3 2 7 6	OpenBSD Linkable Format					
3 2 7 7	IBM OS/2 2.0 Setup Information	INF				
3 2 7 8	Palm OS Application					
3 2 7 9	HackMaster Hack					
3 2 8 0	BDicty Dictionary					
3 2 8 1	FireViewer/ImageV iewer Image					

3 2 8 2	HandBase Database					
3 2 8 3	iSilo Document					
3 2 8 4	JFile Database					
3 2 8 5	JFile Pro Database					
3 2 8 6	MobileDB Database					
3 2 8 7	PeanutPress eBook					
3 2 8 8	QuickSheet Spreadsheet					
3 2	SuperMemo Database					

8						
9						
3 2 9 0	TealDoc Document					
3 2 9 1	TealInfo Database					
3 2 9 2	TealMeal Database					
3 2 9 3	TealPaint Image					
3 2 9 4	ThinkDB Database					
3 2 9 5	Palm OS Dynamic Library	PRC				
3 2 9 6	Palm OS Patch	PRC				

3 2 9 7	Mobipocket eBook					
3 2 9 8	Pulsar POP3 Daemon Mailbox Cache					
3 2 9 9	MS Rich Text Format Document (Mac)	RTF	Y	Y		
3 3 0 0	Netscape Browser Cookie					
3 3 0 1	Galeon Browser Cookie					
3 3 0 2	KDE Konqueror Browser Cookie					
3 3 0 3	Venturi Client Key	ENC				
3 3	QuickBooks for Windows Data (Encrypted)	QBW, TLG, ADR				

04						
3305	Sybase Translation Table	UCT, UST				
3306	QuickBooks for Windows Application Data	DAT				
3307	QuickBooks for Windows Copy File	QCF				
3308	QuickBooks for Windows Accountant's Backup	QBX, QBM				
3309	QuickBooks for Windows Configuration	ND				
3310	MS Visual Studio Project Template	VSTEMPLATE				
3311	ASP.NET Master Page	MASTER				

3 3 1 2	ASP.NET Web Handler	ASHX				
3 3 1 3	Lego Image	LIF				
3 3 1 4	MS Virtual Earth 3D Image	DAT				
3 3 1 5	Wyko Vision Dataset (ASCII)	ASC				
3 3 1 6	Google Earth Keyhole Markup Langage (Compressed)	KMZ				
3 3 1 7	MS FrontPage Document (XML)	HTML, XML, MHT		Y		
3 3 1 8	Netscape Browser Bookmarks					
3 3	Web Script Source Code	JS, ASP, HTM, HTML, HT?, INC, AS?X, BAS				

1 9						
3eGram Telegram 3Message 2 0						
3X Windows 3Compiled X Keymap 2(Intel) 1	MKX					
3X Windows 3Compiled X Keymap 2(Motorola) 2	MKX					
3X Windows FS 3Dump Archive 2 3						
3X11 Mouse Cursor 3 2 4						
3xo65 Program 3 2 5						
3xo65 Library 3 2 6						

3o65 Program 3 2 7					
3CRDA Wireless 3Regulatory 2Database 8					
3MS Outlook Express 3Folder Database 2 9					
3MS Outlook Express 3Account 3Information 0					
3MS Outlook Express 3Offline Database 3 1					
3MS Windows Error 3Mini Dump (64-bit) 3 2	DMP				
3MS Windows Vista 3Event Log 3 3	EVTX				
3MS Windows 3.1 3Registry Hive	DAT, DA0, SAV				

3						
4						
3	Warc Archive					
3						
3						
5						
3	VXL Computer	VXL				
3	Vision Data					
3						
6						
3	OGG Theora Video					
3						
3						
7						
3	VMware NVRAM					
3						
3						
8						
3	Virtutech CRAFF					
3						
3						
9						
3	EBCDIC Text File	TXT, TEXT		Y		
3	(UTF-8)					
4						
0						
3	Text File (UTF-7)	TXT, TEXT		Y		
3						
4						
1						

3 3 4 2	Text File (Unicode SCSU)	TXT, TEXT		Y		
3 3 4 3	Xerox InterPress Typesetting Data					
3 3 4 4	Texas Instruments Calculator Flash Upgrade	92I				
3 3 4 5	Texas Instruments Calculator Emulator Skin					
3 3 4 6	Tgif Drawing	TGIF				
3 3 4 7	RISC OS Chunk File Format Data					
3 3 4 8	RISC OS Object	AOF				
3 3	RISC OS Library	ALF				

49						
3350	RISC OS Executable	AIF				
3351	RISC OS Font					
3352	RISC OS Music					
3353	RISC OS Digital Symphony Sound Sample					
3354	RISC OS Digital Symphony Song					
3355	RISC OS Digital Symphony Sequence					
3356	Glulx Game Data	ULX				

3 3 5 7	Glulx Game Data (MacBinary)	ULX				
3 3 5 8	Mugician Module Music					
3 3 5 9	Sidmon 2.0 Module Music					
3 3 6 0	Synthesis Module Music					
3 3 6 1	Holy Noise Module Music					
3 3 6 2	Hippel-COSO Module Music					
3 3 6 3	ECX Module Music					
3 3	CMP Archive	CMP				

6 4						
3 3 6 5	ELI 5750 Compressed Archive	ELI				
3 3 6 6	PRO-PACK Archive					
3 3 6 7	HPA Archive	HPA				
3 3 6 8	FIZ Archive	FIZ				
3 3 6 9	DitPack Archive					
3 3 7 0	VSARC Archive					
3 3 7 1	PDZ Archive					

3UHBC Archive 3 7 2					
3WWPack Archive 3 7 3	WWP				
3PAQ Archive 3 7 4	PAQ				
3RISC OS Squish 3Archive 7 5					
3OpenDocument 3Database 7 6					
3PMarc SFX Archive 3 7 7	PMA				
3PopCom SFX 3Archive 7 8					
3Parity Archive 3Reconstruction File	PAR				

79						
3380	Pack Magic Archive					
3381	ZET Compressed Archive	ZET				
3382	XPack Single Archive					
3383	AT&T 3B2 Computer Core					
3384	SGI SoundTrack Project					
3385	Impulse Tracker Sample					
3386	Impulse Tracker Instrument	ITI				

3 3 8 7	OctaMED Compressed Tracker Module	MED, MMD				
3 3 8 8	Symphonie SymMOD Tracker Module					
3 3 8 9	Digibooster Pro Tracker Module					
3 3 9 0	Dynamic Studio Module					
3 3 9 1	XMS Adlib Module	XMS				
3 3 9 2	Open Cubic Player Module Information	MDZ				
3 3 9 3	Sharp Cell Phone Ringing Melody					
3 3	Synthesizer Generator / Kimwitu Music					

94						
3395	Kimwitu++ Music					
3396	RdosPlay Raw Audio					
3397	EdLib Module	JCH				
3398	MPU-401 Trakker Module					
3399	eXotic Adlib Module					
4000	eXtra Simple Music Module					
4001	Winamp Equilizer Library	EQF				

3 4 0 2	Atari ST SNDH Music					
3 4 0 3	Atari ST sc68 Music					
3 4 0 4	Apple Filing Protocol Data Fork					
3 4 0 5	Apple Serialized Typed Stream Data (Motorola)					
3 4 0 6	Apple Serialized Typed Stream Data (Intel)					
3 4 0 7	Interface Builder User Interface Resource (binary)	NIB				
3 4 0 8	Interface Builder User Interface Resource (XML)	XIB, NIB				
3 4	Interface Builder Help Index (binary)	HELPINDEX				

09						
3410	Apple Property List	PLIST				
3411	MS Windows Language Resource	DAT				
3412	MS Windows Resource Cache	DIR, CMF, MNI, TOC, HIT				
3413	Pretty Good Privacy Private Key Block (ASCII)					
3414	BBx Index					
3415	BBx Serial File					
3416	BBx Keyed File					

3 4 1 7	BBx Program					
3 4 1 8	Intergraph Scanned Image	CIT				
3 4 1 9	Java Pack200 Archive	JAR				Y
3 4 2 0	Claris Works Pallete	PLT				
3 4 2 1	Claris Works Dictionary	MSP				
3 4 2 2	Lzip Compressed Archive	LZ				
3 4 2 3	Diamond Multimedia Document					
3 4	FATX File System Image					

2 4						
3 4 2 5	GEOS Program					
3 4 2 6	Hercules CKD DASD Image					
3 4 2 7	Hercules Compressed CKD DASD Image					
3 4 2 8	Hercules CKD DASD shadow Image					
3 4 2 9	Adobe PhotoShop Custom Shape	CSH				
3 4 3 0	PathAway Map	PRC				
3 4 3 1	VIZ dVS Model/Object	VIZ				

3 4 3 2	VTX dVS Texture	VTX				
3 4 3 3	DAX Compressed CD Image	DAX				
3 4 3 4	Isearch Database Information	DBI				
3 4 3 5	DB/TextWorks Database	DBR				
3 4 3 6	DB/TextWorks Database Directory	DBO				
3 4 3 7	DB/TextWorks Database Textbase Structure	DBS				
3 4 3 8	D-Lib Generic Bytecode	DCF				
3 4	Draft Choice for Windows Drawing	DCW				

3 9						
3 4 4 0	AccWare Data Dictionary	DD				
3 4 4 1	Design Conditions Design Day Data	DDY				
3 4 4 2	iGO Digital Elevation Map	DEM				
3 4 4 3	GRAFIT Layout	DES				
3 4 4 4	KDE/GNOME Desktop Entry	DESKTOP				
3 4 4 5	Dalvik Dex Exacutable/Class	DEX				
3 4 4 6	DERIVE Math Package for Windows	DFW				

3 4 4 7	PhoneTools Internal Graphic Image	DGR				
3 4 4 8	Macromedia Director Video Java Resource	DJR				
3 4 4 9	DMesh 3D Model	DMZ				
3 4 5 0	NeatImage Profile	DNP				
3 4 5 1	Stardock Archive	DOCZIP				
3 4 5 2	Nintendo DS nDs- mPeG Video	DPG				
3 4 5 3	DreamScene Dream Animated Wallpaper	DREAM				
3 4	MacDraw Drawing	DRW				

5						
4						
3	Pro/ENGINEER	DRW				
4	Drawing					
5						
5						
3	WhatsUp Gold	DSE				
4	Virtual Device					
5						
6						
3	ISIS Schematic	DSN				
4	Capture Schematic					
5						
7						
3	MS OLE Database	DSN				
4	Provider for ODBC					
5						
8						
3	Daisy Container	DSY				
4						
5						
9						
3	Mac OS X Folder	DS_STORE				
4	Information					
6						
0						
3	GraphicWorks	DVG				
4	Vector Drawing					
6						
1						

3 4 6 2	DVR-Studio Stream	DVR				
3 4 6 3	Project Dogwaffle Animation	DWA				
3 4 6 4	CIRCAD Drawing	DWG				
3 4 6 5	Dzip Compressed Archive	DZ				
3 4 6 6	ArclInfo Coverage Export	E00				
3 4 6 7	Electronic Book Exchange eBook	EBX				
3 4 6 8	eDonkey Download Link	ED2K				
3 4	EstImage Database	EDB				

6 9						
3 4 7 0	Digital Trainer Encrypted Score	EDF				
3 4 7 1	eMemoPad Data	EDF				
3 4 7 2	EDGE Diagrammer Diagram	EDG				
3 4 7 3	EDIF Netlist	EDN				
3 4 7 4	eGatherer Collected System Configuration Information	EG2				
3 4 7 5	egis Encrypted Data	EGISENC				
3 4 7 6	Egon Animator Animation	EGON				

3 4 7 7	Easy Grade Pro Data	EGP				
3 4 7 8	EasyLanguage Document	ELD				
3 4 7 9	Pocket Tanks Emitter	EMI				
3 4 8 0	eMachineShop CAD Design Drawing	EMS				
3 4 8 1	eMelody Ringtone	EMY				
3 4 8 2	Evernote Database	ENB				
3 4 8 3	TopStudio Encrypted Data	ENCRYPTED				
3 4	EndNote Style	ENS				

8 4						
3 4 8 5	ExamView On-line Test	EOT				
3 4 8 6	EasyPlot Saved Data	EP, EPW, EZP				
3 4 8 7	Entrust Entelligence Profile	EPF				
3 4 8 8	Earth Resource Mapping Satellite Image Header	ERS				
3 4 8 9	Ekahau Site Survey Binary Container	ESS				
3 4 9 0	EmEditor Syntax	ESY				
3 4 9 1	Google Earth Keyhole Overlay	ETA				

3 4 9 2	Google Earth Keyhole Placemark	ETA				
3 4 9 3	EasyWorship Bible Text	EWB				
3 4 9 4	Electronics Workbench Group Project	EWPRJ				
3 4 9 5	Caxa CAD Drawing	EXB				
3 4 9 6	MS Encarta Encyclopedia Yearbook and Web Links Update	EYB				
3 4 9 7	EZGUI Designer Control Definition	EZC				
3 4 9 8	HEC-RAS Flow Data	F01, Fnn				
3 4	MotoRacer 3 Bike Model	F3D				

9						
9						
3500	Facet Data	FACET				
3501	FictionBook eBook 52.0	FB2				
3502	iGO Map	FBL				
3503	Autodesk 3D Data Exchange Image (Text)	FBX				
3504	FastCAD Version 7 Drawing	FC7, FCW				
3505	Omnis Web Client Form Cache	FCA				
3506	FidoCAD Drawing	FCD				

3507	FidoCAD Library	FCL				
3508	FidoCAD Macro	FCM				
3509	FlexiDATA Database	FDD				
3510	Disk2FDI Floppy Disk Image	FDI				
3511	Floppy Disk Manager Disk Image	FDM				
3512	Nintendo Famicom (NES) Disk System	FDS				
3513	FORMIK Form Data	FED				
3514	MS Outlook Express Custom Property Stream (NTFS ADS)					

1 4						
3 5 1 5	Adobe PostScript Compact Font (MacBinary)	OTF, TTF				
3 5 1 6	Adobe PostScript Compact Font Collection (MacBinary)	TTC				
3 5 1 7	QuickDraw Font Resource (MacBinary)					
3 5 1 8	QuickDraw Associated Font Resource (MacBinary)					
3 5 1 9	Apple Property List (MacBinary)	PLIST				
3 5 2 0	Mac OS Icon (MacBinary)					
3 5 2 1	Mac OS Menu (MacBinary)					

3 5 2 2	Mac OS Dialog Layout (MacBinary)					
3 5 2 3	VISX image (ASCII)					
3 5 2 4	VMS VAX Executable					
3 5 2 5	Windows CD-ROM Autorun	INF				
3 5 2 6	Google Earth Compressed Keyhole Markup Language	KMZ				
3 5 2 7	VxWorks EST Flat Binary Image					
3 5 2 8	AFS Volume Dump Image					
3 5	B-tree File System Image					

29						
3530	Dvd disaster Error Correction Data	ECC				
3531	SE Linux Policy Database					
3532	Linux Logical Volume Manager 1	LVM1				
3533	Linux Logical Volume Manager 2	LVM2				
3534	Linux Logical Volume Manager Snapshot					
3535	Xen Saved Domain					
3536	Lisp/Scheme Program Code					

3 5 3 7	Emacs/XEmacs Byte-Compiled Lisp	ELC				
3 5 3 8	TeXmacs Document					
3 5 3 9	Samba Trivial Database	TDB				
3 5 4 0	PostgreSQL Custom Database Dump					
3 5 4 1	XZ Compressed Archive	XZ				
3 5 4 2	MS Chat Background	BGB				
3 5 4 3	HP LaserJet Font	HPF				
3 5	ZoneAlarm Mailsafe Log	LDB, RDB				

4						
4						
3	Commodore	CKIT				
5	Compressed					
4	Archive					
5						
3	MPEG Audio	M3D				
5	Datafile					
4						
6						
3	ObjectScript	OBS				
5						
4						
7						
3	MyLittleBase	MLB				
5	Database					
4						
8						
3	ABC Flowcharter	ABC				
5						
4						
9						
3	Clarion Application	APP				
5						
5						
0						
3	TValue Data	TV4				
5						
5						
1						

3 5 5 2	Brooktrout Fax Image	BRK				
3 5 3	ArcInfo Binary Image	HDR				
3 5 4	Ricoh Digital Camera Image	J6I				
3 5 5	MosASCII Graphics Library	MGL				
3 5 6	MosASCII Project Workspace	MPF, MPW				
3 5 7	NCR G4 Image	NCR				
3 5 8	Nokia Group Graphics Image	NGG				
3 5	Pick Ax Secure Graphic Image	PAX				

59						
3560	Seamless Image Graphic	SID				
3561	Storm 3D Object Definition	SOD				
3562	MS Internet Explorer Cache Index	DAT				
3563	Netscape Email Message	EML	Y	Y		
3564	Ghost Disk Image	GHO				
3565	Commodore 64 Emulator Cartridge Image	CRT				
3566	Adobe Filmstrip	FILMSTRIP				

3 5 6 7	MS Windows Task Scheduler Task	JOB				
3 5 6 8	Origin Project	OPJ				
3 5 6 9	Multisim Design	MS8, MS9, MS10				
3 5 7 0	TuneUp Style Boot Screen	TBS				
3 5 7 1	YanCEyWare Reader eBook	YBK				
3 5 7 2	LyX Document	LYX				
3 5 7 3	Open Publication Structure eBook	EPUB				
3 5	MathRevolt Plot	MRP				

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3575	sPlan Circuit Diagram					
3576	Audible Audio Book	AA				
3577	Mobipocket eBook Auxiliary Data	MBP				
3578	Windows Migration Backup	MIG				
3579	LimeWire Theme	LWTP				
3580	Valve Texture	VTF				
3581	Visual Pinball Table	VPT				

3 5 8 2	OpenSceneGraph Native Binary Image					
3 5 8 3	Rave Reports Project	RAV				
3 5 8 4	Android OS Boot Image	IMG				
3 5 8 5	Visual Thought Diagram	VTHOUGHT				
3 5 8 6	WinFax Received Document	FXR				
3 5 8 7	OverDrive Media Console Media Control	ODM				
3 5 8 8	Lexmark Enhanced MetaFile	LEMF				
3 5	Error Code Modeler PreProcessed CD Image	ECM				

8						
9						
3	IMA4 Encoded	IMA4				
5	Audio					
9						
0						
3	Corel Flow Image	BMF				
5						
9						
1						
3	Navitel Navigator	NM2, NTM				
5	Map					
9						
2						
3	OGG Vorbis	OGM, OGV				
5	Compressed Video					
9	(MacBinary)					
3						
3	GameCube 3D	BDL				
5	Model					
9						
4						
3	GameCube THP	THP				
5	Video					
9						
5						
3	RARC Compressed	ARC				
5	Archive					
9						
6						

3 5 9 7	PhotoLine Browse Index	PLB				
3 5 9 8	SpacEyes 3D Viewer Project	SPV				
3 5 9 9	ImageDisk Disk Image	IMD				
3 6 0 0	ZPAQ Compressed Archive	ZPAQ				
3 6 0 1	MyPhoneExplorer Backup	MPB				
3 6 0 2	EXP: The Scientific Word Processor Document	WXP				
3 6 0 3	HiJaak PCL Soft Font	TPF				
3 6	Scratch Finished Product	SB				

04						
3605	SNNS Pattern Definition	PAT				
3606	Project Dogwaffle Layered Bitmap	LYR				
3607	CATIA ISO-10303 STEP Product Data	STEP, STP				
3608	ClickyMouse Macro	4CM				
3609	Perfect Keyboard Macro	4PK				
3610	Photosmart Photo Printing Album	ALBM				
3611	Solid Edge Assembly Document	ASM				

3 6 1 2	Microsoft At Work Fax Document	AWD				
3 6 1 3	Ability Office Spreadsheet (OLE)	AWS				
3 6 1 4	AutoRoute Export	AXE				
3 6 1 5	Print Master Document	BIZ				
3 6 1 6	Ventura Publisher Chapter	CHP				
3 6 1 7	CADKEY Workshop Design	CKD				
3 6 1 8	KeyCreator Design	CKD				
3 6	Corel Photo House Image	CPS				

19						
3620	Gravity News Database	G				
3621	Pro/DESKTOP Design	DES				
3622	Solid Edge Draft Document	DFT				
3623	Street Atlas Transfer File	DMT				
3624	AutoCAD VBA Macro	DVB				
3625	Ulead DVD MovieFactory Project	DWZ				
3626	thinkdesign CAD Drawing	E3				

3 6 2 7	Orchida Embroidery System Pattern	EMB				
3 6 2 8	MS Streets and Trips / MapPoint Map	EST, PTM				
3 6 2 9	FormFlow Form	FRL, FRP, FRZ				
3 6 3 0	Greeting Card Factory Card	FSN				
3 6 3 1	Greeting Card Creator Project	GCF				
3 6 3 2	GroupWise File Link	GWJ				
3 6 3 3	Hallmark Card Studio Card	HMK				
3 6	HP Document	HPD				

3 4						
3 6 3 5	I3 Fax Image	I3F				
3 6 3 6	Imaging for Windows Image Bookmark	IBK				
3 6 3 7	AutoDesk Inventor Drawing/Part	IDW, IPT				
3 6 3 8	Intergraph SmartSketch Drawing	IGR				
3 6 3 9	Impromptu Report	IMR				
3 6 4 0	Information Magic Data	IMR				
3 6 4 1	InPage Document	INP				

3 6 4 2	MS Encrypted Structured Storage Object		Y	Y		
3 6 4 3	SigmaPlot Notebook	JNB				
3 6 4 4	Ichitaro Document (OLE)	JTD		Y*		
3 6 4 5	3D Studio Max Material Library	MAT				
3 6 4 6	Creative Writer Document	MAX				
3 6 4 7	3D Studio Max Scene	MAX				
3 6 4 8	Minitab Project	MPJ				
3 6	muvee autoProducer Project	MVE				

49						
3650	ArcMap GIS Project	MXD				
3651	Art Explosion Publisher Pro Document	NPP				
3652	OmniPage Document	OPD				
3653	Solid Edge 3D CAD Model	PAR				
3654	PCB Document	PCBDOC				
3655	Solid Edge Packaged Collaboration	PCF				
3656	Harvard Graphics Presentation (OLE)	PR4				

3 6 5 7	Unigraphics Part	PRT				
3 6 5 8	PowerSoft Report	PSR				
3 6 5 9	PowerSoft Report (OLE)	PSR				
3 6 6 0	Quexal Source Code	QX				
3 6 6 1	Business Objects Report	REP				
3 6 6 2	AlbumPlus Album	SAP				
3 6 6 3	SAP Music	SAP				
3 6	SAP Thomson Disk Image	SAP				

6 4						
3 6 6 5	Artista Design	ART				
3 6 6 6	StormFront Skin	SKN				
3 6 6 7	Snagit Capture Image	SNAG				
3 6 6 8	SolidWorks 2001 Assembly	SLDASM				
3 6 6 9	SolidWorks 2001 Part	SLDPRT				
3 6 7 0	PROMT Document	STD				
3 6 7 1	Ventura Publisher Style Sheet (OLE)	STY				

3 6 7 2	Photo Express Template	TPX				
3 6 7 3	Kingsoft Workbook	WLS				
3 6 7 4	Kingsoft Document	WPS				
3 6 7 5	Kingsoft Document (OLE)	WPS				
3 6 7 6	ZipForm Data	ZFX				
3 6 7 7	SQLite Database					
3 6 7 8	Safari Web Bookmark	WEBBOOKMARK				
3 6	MS Windows Crash Dump	KDMP				

7 9						
3 6 8 0	MS Windows Mobile Settings	PROVXML				
3 6 8 1	Apple Workflow	WFLOW				
3 6 8 2	Grapher Image	GCX				
3 6 8 3	GarageBand Audio Filter Presets	PST				
3 6 8 4	EXS-24 Instrument	EXS				
3 6 8 5	GarageBand Custom Style Track Settings	CST				
3 6 8 6	Mac OS X Program (32bit Intel)	KEXT				

3 6 8 7	Mac OS X Package Bill of Materials	BOM				
3 6 8 8	Ruby Script	RB				
3 6 8 9	AutoDesk Animator Pro Tween Data	TWE				
3 6 9 0	Master Tracker Module Music	MTS				
3 6 9 1	Norton Guides	NG				
3 6 9 2	AutoDesk Animator Pro Cel Image	PIC, MSK				
3 6 9 3	SGI XFS File System Metadump Image					
3 6	Sun xVM VirtualBox Disk Image	VDI				

94						
3695	Cytovision Metaphases Data					
3696	Cytovision Karyotype Data					
3697	Cytovision FISH Probe Data					
3698	Cytovision FLEX Data					
3699	Cytovision RATS Data					
3700	Freehand 7 Document	FH7				
3701	Red Hat Package Manager Archive Delta	RPM				

3 7 0 2	DVD Video Title Set	BUP, IFO				
3 7 0 3	QuickBooks for Windows Import Map	FIM				
3 7 0 4	QuickBooks for Windows Form Part	FP6				
3 7 0 5	QuickBooks for Windows Company Profile	MPR				
3 7 0 6	QuickBooks for Windows Object Information (XML)	QBOT				
3 7 0 7	QuickBooks for Windows Object Information (Binary)	QBOT				
3 7 0 8	QuickBooks for Windows Message Database	QMD				
3 7	MS ODBC Driver Configuration	RSP				

09						
3710	MS FoxPro Database Container	DCT				
3711	MS FoxPro Table Memo	FPT, DCT				
3712	Text File With Formatting Codes	TXT, TEXT		Y		
3713	Flight Recorder Data	TEXT				
3714	Radiance 3D Scene Octree					
3715	Mac Draw Image	ZZZ				
3716	ArcView DOQ Image	DOQ, MET				

3 7 1 7	NOAA-PMEL BBIS Data	TXT, TEXT				
3 7 1 8	PrimeOCR Output	PRO				
3 7 1 9	Linux Patch					
3 7 2 0	NASA Imaging Radar Data					
3 7 2 1	Adobe Acrobat Distiller Log	LOG				
3 7 2 2	SigmaPlot Exchange File	JXF				
3 7 2 3	Erdas Image (HFA)	HFA				
3 7	MetaMap Technology Transfer					

2 4						
3 7 2 5	National Weather Service Forecast	TXT, TEXT				
3 7 2 6	Princeton Transport Run Log	LOG				
3 7 2 7	Geological Survey Metadata	TXT, TEXT				
3 7 2 8	FIFA World Cup Art	FFN				
3 7 2 9	Guild Wars Data	FFNA				
3 7 3 0	FFR Archive	FFR				
3 7 3 1	Freehand 10 Document	FH10				

3 7 3 2	Freehand 3 Drawing	FH3				
3 7 3 3	Free Hide Folder	FHF				
3 7 3 4	DeskMate Draw Image	FIG				
3 7 3 5	DeskMate Filer Database	FIL				
3 7 3 6	Figlet Font Control	FLC				
3 7 3 7	Cumulate Draw Image	FMD				
3 7 3 8	Fractal Mapper Map					
3 7	Famtasia Movie Capture	FMV				

39						
3740	Vue Function Definition	FNC				
3741	M.U.G.E.N Font	FNT				
3742	Yountel Unicode Font	FNT				
3743	Fallout 3 Saved Game	FOS				
3744	FloorPlan 3D	FP3				
3745	IKEA Kitchen Planner Document	FPF				
3746	PerFORM Database	FRF, FRP				

3 7 4 7	PerFORM Communicator File Packet	FPK				
3 7 4 8	PerFORM PRO Form	FRL				
3 7 4 9	Sound Forge Project	FRG				
3 7 5 0	EA Sports Game Graphic Editor Image	FSH				
3 7 5 1	GURU Data	FUS				
3 7 5 2	Kodak Camera Firmware	FW				
3 7 5 3	HALion Sound Sample	FXB				
3 7	Fuxoft AY Music Chip Language	FXM				

5						
4						
3	Peachtree	AFM				
7	Accounting Form					
5						
5						
3	Peachtree	DAT, DDF				
7	Accounting Data					
5						
6						
3	Sybase Compressed					
7	Data					
5						
7						
3	Macromedia	CST				
7	Director Cast					
5						
8						
3	MS Forms Command	TCS				
7	Button					
5						
9						
3	HEC-RAS Data	G01, Gnn				
7						
6						
0						
3	Klik'n'Play Game	GAM				
7	Data					
6						
1						

3 7 6 2	GenBank Sequence Record	GB				
3 7 6 3	Nintendo Gameboy Music	GBS				
3 7 6 4	Cyberboard Gamebox Data	GBX				
3 7 6 5	Genbox Family History	GCO				
3 7 6 6	MS Math Worksheet	GCW				
3 7 6 7	Genbox Family History Dictionary	GDT				
3 7 6 8	Arts & Letters Graphic Image	GED				
3 7	GGFileSPlit File Fragment	GFS				

6 9						
3 7 7 0	Playstation Theme	GIM, P3T				
3 7 7 1	Game Maker 6 Project	GM6				
3 7 7 2	GPS Tuner Map Calibration Data	GMI				
3 7 7 3	GUEmap Document	GMP				
3 7 7 4	Cyberboard Move	GMV				
3 7 7 5	General Mesh Viewer Image	GMV				
3 7 7 6	Garmin Point of Interest Database	GPI				

3 7 7 7	GPS eXchange Data	GPX				
3 7 7 8	Genbox Family History Report Options	GRO				
3 7 7 9	Golden Software Boundary Data	GSB				
3 7 8 0	GPS Tuner Map Slices Calibration Data	GSI				
3 7 8 1	Cyberboard Scenario	GSN				
3 7 8 2	Geometer's Sketchpad Document	GSP				
3 7 8 3	Geometer's Sketchpad Script	GSS				
3 7	ShapeShifter Theme	GUIKIT				

84						
3785	GoodWay Flight Planner Flight Plan	GWP				
3786	H.264/MPEG-4 AVC Video	H264				
3787	HDF5 Archive	H5				
3788	HydroCAD Stormwater Modeling System Storage Chamber Definition	HCC				
3789	HCLab Chart	HCG				
3790	HydroCAD Stormwater Modeling System Project	HCP				
3791	Hudson Entertainment Sound	HES				

3 7 9 2	Pinnacle Studio HollywoodFX Plug- In Video Editing Data	HFZ				
3 7 9 3	HiP Compressed Archive	HIP				
3 7 9 4	Help Magician Help Text	HLX				
3 7 9 5	Help Magician Project	HMP				
3 7 9 6	DeskMate Homeword Document	HMW				
3 7 9 7	Hallo Northern Sky Deep Sky Database	HND				
3 7 9 8	Ventura Graphic Image	VGR				
3 7	Corel Chart	CCT				

9						
9						
3 8 0 0	Adobe Installation Archive	??_				
3 8 0 1	NoteCenter Encrypted Notes	HNE				
3 8 0 2	Ascendancy/Flight Unlimited Sound Driver	DIG				
3 8 0 3	Flight Unlimited Compiled Resource	RES				
3 8 0 4	HelpScribble Project	HSC				
3 8 0 5	People Putty Hapttek Character	HTR, HAPTAR				
3 8 0 6	HydroCAD Stormwater Modeling System Unit Hydrograph	HUH				

3807	The Hive Level Data	L95				
3808	Art Icons Pro Icon Collection	ICC				
3809	Direct3D Audio Driver	CSP				
3810	Neosat Fixes	HZF				
3811	IsoBuster CD/DVD Image	IBP				
3812	Direct3D Image Template	TLE				
3813	MS Developer Studio Project (Binary)	MDP, VCP				
3814	Art Icons Pro Icon Project	ICPR				

1 4						
3 8 1 5	MS Windows Performance Monitor Workspace	PMW				
3 8 1 6	HP Printer Font Metrics	PFM				
3 8 1 7	Idle Scripting Language Object Library Bytecode	IDOL				
3 8 1 8	VobSub Filter Index	IDX				
3 8 1 9	IESNA Photometric Data	IES				
3 8 2 0	MS Golf Map Object	LMP				
3 8 2 1	FrameMaker Graphic Image	FMV				

3 8 2 2	Word Pro Graphic / AMI Draw Vector Image	SDW				
3 8 2 3	AutoShade Rendering / Slide	RND				
3 8 2 4	dBXL Database	DBXL				
3 8 2 5	DEC WPS Plus Document	DX, DX3, WPL				
3 8 2 6	IBM Graphics Data Format Image	GDF				
3 8 2 7	IBM Picture Interchange Format Image	GDF				
3 8 2 8	JustWrite Document	JW				
3 8	Lotus Snapshot	SNP				

29						
3830	Mosaic Twin Spreadsheet	WKU, WKT				
3831	PFS: First Choice Spreadsheet / PFS: Professional Plan	FCS, SS				
3832	R:Base Database	RBF				
3833	Total Word Document	TW				
3834	Volkswriter Document	VWL, VW3, VW4				
3835	Wang PC Document	IWP				
3836	WordMARC Plus Document	WMC, DOC				

3 8 3 7	Ziff Davis Bench Zip Archive	ZIP				
3 8 3 8	particlellusion 3 Emitter Library	IL3				
3 8 3 9	Opus Creator Multimedia File	ILM				
3 8 4 0	Interlex Vocabulary	ILX				
3 8 4 1	IncrediMail Address Book and Temporary Contacts	IMB				
3 8 4 2	Img3 Encrypted/Signed Container	IMG3				
3 8 4 3	iMovie Project (Binary)	IMOVIEPROJ				
3 8	Softbook eBook Import File	IMP				

4						
4						
3 8 4 5	CFAST Input File	IN				
3 8 4 6	WinAHX THX Tracker Instrument					
3 8 4 7	DS Packed Images	IPK				
3 8 4 8	MySQL ISAM Table Handler Data	ISM				
3 8 4 9	SimulationX Encrypted Model	ISM				
3 8 5 0	UltraISO Disc Image	ISZ				
3 8 5 1	iTunes Cover Flow Data	ITC				

3 8 5 2	Icy Tower Replay	ITR				
3 8 5 3	Information Workshop Data	IW2, IWS				
3 8 5 4	DB/TextWorks Database Index	IXL				
3 8 5 5	JobEditor32 Job Data (ASCII)	JBI				
3 8 5 6	JWPce Document	JCE				
3 8 5 7	Embedded JCL Debug Information	JDBG				
3 8 5 8	BigJig Jigsaw Puzzle	JG6				
3 8	16 Bit Adaptive RLE Compressed Bitmap	JMG				

59						
3860	FlowJo MAC workspace	JO				
3861	Tripod Data Systems Job	JOB				
3862	FishSim Add-on	JR2				
3863	JavaScript Bean	JSB				
3864	Binary ExtendScript	JXBIN				
3865	Jw_cad Data	JWC				
3866	LegaSuite GUI JWalk Runtime	JWR				

3 8 6 7	Hondata K-Manager Calibration data	KAL				
3 8 6 8	Katorzer Music Composition	KAT				
3 8 6 9	KChess Notation	KCH				
3 8 7 0	KeePass Password Database	KDB				
3 8 7 1	Chinese Academic Journal Document	KDH				
3 8 7 2	Google Earth Import Definition	KDX				
3 8 7 3	Avira Product Key	KEY				
3 8	KaraFun Karaoke Song	KFN				

74						
3875	Kidspiration Document	KID				
3876	Knowledge Interchange File Format Image	KIF				
3877	Microsoft Baseline Security Analyzer Report	MBSA				
3878	BRSTM Audio Stream	KRAW				
3879	Korg Trinity/Triton Script	KSC				
3880	Karaoke Song List Creator Song List	KSL				
3881	KeyWallet Object					

3 8 8 2	Lineage II Replay	L2R				
3 8 8 3	Lingoes Dictionary	LD2				
3 8 8 4	Liquid Executable Bytecode	LDX				
3 8 8 5	LucasFilm Data Archive	LFD				
3 8 8 6	The Movies Editor Text String Database	LHTS				
3 8 8 7	CIRCAD Source Library	LIB				
3 8 8 8	OrCAD Library Model	LIB				
3 8	ESET NOD32 Antivirus License	LIC				

8 9						
3 8 9 0	Lextek Language Identification Module	LID				
3 8 9 1	Quake Colored Light Data	LIT				
3 8 9 2	Pioneer OEL Screensaver	LKD				
3 8 9 3	Linden Lab Structured Data	LLSD				
3 8 9 4	RPG Maker 2000/2003 Map	LMU				
3 8 9 5	HijackThis Log	LOG				
3 8 9 6	LaTeX Drawing	LP				

3 8 9 7 Document	Lecturnity Multimedia Audio/Video/Clips Presentation	LPD				
3 8 9 8	LRC Lyric	LRC				
3 8 9 9	BroadBand eBook	LRF				
3 9 0 0	Lexar Encrypted Data	LRS				
3 9 0 1	LOGO!Soft Comfort Circuit	LSC				
3 9 0 2	ABBYY Lingvo Non- changeable System Dictionary	LSD				
3 9 0 3	Kaspersky Lab Black List File	LST				
3 9	Frogans Short-cut	LTF				

04						
3905	LabVIEW Measurement	LVM				
3906	Livewire Document	LVW				
3907	Printed Circuit Board Layout	LYT				
3908	Need For Speed Game Data	LZC				
3909	MicroStation CAD Modification Resource	M01				
3910	thinEdge Model	M15				
3911	Mobile 3D Graphic	M3G				

3 9 1 2	Mupen64 Movie Capture	M64				
3 9 1 3	Maya ASCII Scene	MA				
3 9 1 4	Winamp3 Compiled Script	MAKI				
3 9 1 5	NAVIGON Map	MAP				
3 9 1 6	Nascar SimRacing Data	MAS				
3 9 1 7	MATLAB Variables Binary Data	MAT				
3 9 1 8	Multimedia Builder Data	MBD				
3 9	MBasic Source Code	MBI				

19						
3920	Apple][Document					
3921	Apple][Music	SNG, TUNE, SONG				
3922	Apple Filing Protocol Resource Fork					
3923	Apple IIgs HyperCard Stack					
3924	Apple Sound	SND, HCO				
3925	NoiseTracker Music	MOD, SONG				
3926	StuffIt Apple][Archive	SIT				

3 9 2 7	Brooks 3200 Slide Show	3200, SML				
3 9 2 8	Apple][Program Overlay	OVL, RUN				
3 9 2 9	Apple][Floppy Disk Image	IMAGE				
3 9 3 0	Apple Picture Format Image	APF				
3 9 3 1	Apple][Program					
3 9 3 2	SynthLAB Instrument	WAV				
3 9 3 3	HyperStudio Sound Sample					
3 9	PolySons Wave Sound	PSOD, PSO				

3 4						
3 9 3 5	SynthLAB MIDI Sequence	SEQ, SL, BK1				
3 6	SynthLAB Instrument Bank	BNK				
3 9 3 7	Apple Iigs System Configuration	SYSTEM				
3 8	Apple Iigs Wave Bank	WBNK				
3 9 3 9	Arc 3D Shape	3D				
3 9 4 0	Sound Smith Sound					
3 9 4 1	Music Construction Set Instrument					

3 9 4 2	Music Construction Set Song					
3 9 4 3	EnCase Packed EnScript	ENPACK				
3 9 4 4	Adobe Acrobat Forms Data Format (XML)	XPDF				
3 9 4 5	Magic eXtensible Markup Language	MXML				
3 9 4 6	DeskMate Song	SNG				
3 9 4 7	DeskMate Paint Image	PNT				
3 9 4 8	DeskMate Sound	SND				
3 9	IBM BookManager Bookshelf Book	BOO				

49						
3950	3D Studio Loft Image	LFT				
3951	Agenda Database	AGB				
3952	Cricket Graph Font	FNT				
3953	Drum Blaster Title/Song	DTL				
3954	CMS Music Rudiments Image	PIC				
3955	CMS Music Rudiments Music	CMS				
3956	CMS Music Rudiments Lesson					

3 9 5 7	Animation Studio Sound Effects	SEC				
3 9 5 8	Borland Graphics Font	CHR				
3 9 5 9	Mac OS X Program (64bit Intel)					
3 9 6 0	Mac OS X Dynamic Library (32bit Intel)	DYLIB, KEXT				
3 9 6 1	Mac OS X Dynamic Library (64bit Intel)	DYLIB, KEXT				
3 9 6 2	Mac OS X Program (PowerPC 32bit)					
3 9 6 3	Mac OS X Dynamic Library (PowerPC 32-bit)	DYLIB, KEXT				
3 9	MS Visio Shape Stream	VSH				

64						
3965	WordPerfect Document (OLE)	DOC				
3966	Concatenate (CAT) Interchange File Format	IFF, FTXT, FTX, RBS				
3967	LIST Interchange File Format	IFF, FTXT, FTX				
3968	PROP Interchange File Format					
3969	Resource Interchange File Format (Motorola)	RIFX, RIF, AVI, WAV, BND, RIFF				
3970	Macromedia Director File (Intel)	DCR				
3971	Deluxe Paint Image	LBM, IFF, ILM, BBM, ILBM, BLK				

3972	Graficraft Image	LBM, IFF, ILM, BBM, ILBM, BLK				
3973	Mastercam Geometry	MC9				
3974	MMS Composer Song	MCF				
3975	Mastercook Cookbook File	MCF				
3976	CodeWarrior Project	MCP				
3977	MacDraft Drawing	MDD				
3978	MagicDraw UML Project	MDR				
3979	MultiEdit Configuration	ME, MEW				

7 9						
3 9 8 0	Open eBook	MEB				
3 9 8 1	MAIET Encrypted File System	MEF				
3 9 8 2	Macro Express Macro	MEX				
3 9 8 3	Netscape XUL FastLoad Script	MFL				
3 9 8 4	MalieGF Bitmap	MGF				
3 9 8 5	MusicIndiaOnline Trident Player Music	MIA				
3 9 8 6	Mighty Draw Drawing	MIG				

3 9 8 7	Mio Technology Generic Communications Format	MIO				
3 9 8 8	PhotoDraw Multilayer Picture	MIX				
3 9 8 9	MJP Video	MJP				
3 9 9 0	FreeMind Mind Map	MM				
3 9 9 1	Hyper File Memo	MMO				
3 9 9 2	Monarch Model	MOD				
3 9 9 3	LEGO CAD Model	MODEL				
3 9	PlantWALK Model	MODEL				

94						
3995	WinMount Archive	MOU				
3996	MapDraw Chemical Sequence Map	MPD				
3997	Video Edit Magic Project	MPJ				
3998	AVCHD Playlist	MPL				
3999	Blu-ray Movie Playlist	MPLS				
4000	Moove Resource Description	MPZ				
4001	CSI Markup Drawing	MRK				

4 0 0 2	Canon BJ Driver Database Table	TBL				
4 0 0 3	PowerShell Script	PS1				
4 0 0 4	ASP.NET Browser Definition	BROWSER				
4 0 0 5	MS Build Targets	TARGETS				
4 0 0 6	MS Help 2 VTopic Set (XML)	H1V				
4 0 0 7	MS Windows Group Policy Settings	ADMX				
4 0 0 8	Windows Update Package	MUM				
4 0 0	Windows ELS Transliteration Index	NLT				

09						
4010	Windows Update Status	GRL				
4011	Windows Word Dictionary	WWD				
4012	Windows Driver Public Verification Key(s)	VP				
4013	Global Input Method Editor Dictionary	IMD				
4014	MS Office 2007-2012 Theme Effects (Open XML)	THMX, EFTX				
4015	Random or Encrypted Data (Headerless)					
4016	Compressed Data (Headerless)					

4 0 1 7	SolidWorks eDrawings Assembly (Compressed)	EASM				
4 0 1 8	Ability 1.0 Word Processing Document					
4 0 1 9	Ability 1.0 Spreadsheet					
4 0 2 0	Ability 1.0 Graphics Image					
4 0 2 1	Ability 1.0 Database					
4 0 2 2	Ability 1.0 Database Master Form					
4 0 2 3	Ability 1.0 Communications Data					
4 0	IBM Plans+ Spreadsheet Model Definition	~MD				

2						
4						
4025	Super Project Plus					
4026	Jazz Worksheet					
4027	Jazz Worksheet (MacBinary)					
4028	Jazz Database (MacBinary)					
4029	Jazz Form (MacBinary)					
4030	Jazz Wordprocessor Document (MacBinary)					
4031	Jazz Graphics Image (MacBinary)					

4 0 3 2	Jazz Communications Terminal Data (MacBinary)					
4 0 3 3	Windows DVD Maker	MSDVD				
4 0 3 4	Digital Sheet Music (Intel)	MTD				
4 0 3 5	TargetExpress Target	MTE				
4 0 3 6	Mediatek Font	MTF				
4 0 3 7	Minitab Portable Worksheet	MTP				
4 0 3 8	Power Translator Document	MTP				
4 0	Viewpoint Media Player iPix Image	MTX				

39						
4040	Harmony Assistant Melody	MYR				
4041	Mighty Draw Windows Library	MWL				
4042	Neko Bytecode	N				
4043	Novell Groupwise Address Book	NAB				
4044	NVIDIA Scene Graphic Image	NBF				
4045	Nokia PC Suite Content Copier Image	NCC				
4046	ESET Smart Security Quarantined File	NDF				

4 0 4 7	SeeYou Waypoint	NDB				
4 0 4 8	Stuttgart Neural Network Simulator Definition	NET				
4 0 4 9	Gambit Control Information	NEU				
4 0 5 0	Folio Infobase Document	NFO				
4 0 5 1	NMEA GPS Log	NMEA, NMA				
4 0 5 2	MikroTik RouterOS Upgrade Package	NPK				
4 0 5 3	Xilinx Integrated Software Environment Project					
4 0	Nero CD Audio Compilation	NRA				

5						
4						
4	Lode Data Network File	NTW				
5						
5						
4	NUnit Test Project	NUNIT				
0						
5						
6						
4	NUT Open Container	NUT				
0						
5						
7						
4	NVIDIA Scene	NVB				
0						
5						
8						
4	Navisworks Document	NWD				
0						
5						
9						
4	Mybase Database	NYF				
0						
6						
0						
4	NanoZip Compressed Archive	NZ				
0						
6						
1						

4062	Adobe Portable Document Format (PDF/A-1a)	PDF	Y	Y	Y	
4063	Adobe Portable Document Format (PDF/A-1b)	PDF	Y	Y	Y	
4064	Adobe Portable Document Format (PDF/X)	PDF	Y	Y	Y	
4065	Adobe Portable Document Format (PDF/A)	PDF	Y	Y	Y	
4066	ORTIM Zeit Data	OB3				
4067	DB/TextWorks Database Terms and Words	OCC				
4068	openCanvas Image	OCI				
4069	Open Financial Connectivity File	OFC				

69						
4070	Openlab Raw Format	OLRW, OLR				
4071	OMAX Make Tool Path Data	OMX				
4072	OtsAV Media Library Information	OMX				
4073	MS Office Upgrade Control Data	OPC				
4074	Durango Interferometry Document	OPD				
4075	OmniPass Exported User	OPI				
4076	Origin Analysis Pack	OPK				

4 0 7 7	PhotoScore Document	OPT				
4 0 7 8	OpenStreetMap GPS Data	OSB				
4 0 7 9	OptionScope Worksheet	OSC				
4 0 8 0	Autopano Project	OTO				
4 0 8 1	OnlineTvRecorder Encoded Video	OTRKEY				
4 0 8 2	OziExplorer Map (Binary)	OZF2				
4 0 8 3	PowerArchiver Encrypted Archive	PAE				
4 0	Personal Ancestral Family Database	PAF				

84						
4085	Paint Shop Pro Palette	PAL				
4086	Pando Package	PANDO				
4087	PowerBASIC Configuration	PB				
4088	Sprite Backup Mobile Device Image	PBF				
4089	Apple Project Builder Xcode Project	PBXPROJ				
4090	CADSTAR Printed Circuit Board Design	PCB				
4091	P-CAD Database	PCB				

4 0 9 2	PipeDream Document	PD				
4 0 9 3	Merriam-Webster's Pocket Dictionary	PDB				
4 0 9 4	Pepakura Designer Paper Craft Pattern	PDO				
4 0 9 5	Print Shop Graphic Image	PDS				
4 0 9 6	Adobe Premiere Graphic Peak Waveform	PEK				
4 0 9 7	Formatta Filler Portable Form	PFF				
4 0 9 8	Opentech Digital STB Software	PGM				
4 0	Brother Home Embroidery Image	PHC				

9						
9						
4 1 0 0	iGO Phoneme GPS Data	PHR				
4 1 0 1	Viking Embroidery Disk	PHV				
4 1 0 2	PackJPG Compressed JPEG Image	PJG				
4 1 0 3	Wiped Data (zeroes)					
4 1 0 4	Hard Disk Image/MBR	IMG, DD				Y
4 1 0 5	iWork Keynote Presentation	KEY		Y*		
4 1 0 6	iWork Pages Document	PAGES		Y*		

4 1 0 7	iWork Numbers Spreadsheet	NUMBERS		Y*		
4 1 0 8	MS Windows Vista Event Message	MTA				
4 1 0 9	HyperText Markup Language 5	HTML, HTM, HT?, HTTP, ASP?, MHT, HH?, XM		Y		
4 1 1 0	Chief Architect Plan	PLAN				
4 1 1 1	MS Messenger Plus! Backup Configuration	PLD				
4 1 1 2	MS Messenger Plus! Encrypted Chat Log	PLE				
4 1 1 3	PhotoLine Image Document	PLD				
4 1	Panasonic SD Voice Editor File	PLM				

1 4						
4 1 1 5	MS Messenger Plus! Sound Pack	PLP				
4 1 1 6	Crouzet Logic Software M3 project	PM3				
4 1 1 7	Pixela Digital Picture	PME				
4 1 1 8	Sony Playstation Portable Movie	PMF				
4 1 1 9	Photomerge Composition	PMG				
4 1 2 0	MS Windows Performance Monitor Log	PML				
4 1 2 1	MikuMikuDance PolygonMovieMaker File	PMM				

4 1 2 2	PhotoModeler Project	PMR				
4 1 2 3	SPSS Portable Data (ASCII)	POR				
4 1 2 4	Yahoo! Messenger Voice Mail	POST				
4 1 2 5	PuTTY Private Key	PPK				
4 1 2 6	Magical Security Encrypted File	PPENC				
4 1 2 7	PowerProducer Project	PPP				
4 1 2 8	ProShow Workspace / Slide Show	PPR, PSH				
4 1	PingPlotter Script	PPX				

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4130	Atheros Profile	PRF				
4131	Nord Modular G2 Performance Data	PRF2				
4132	SmartAssembly Project	{SA}PROJ				
4133	HSQLDB Configuration	PROPERTIES				
4134	Password Safe Database	PSAFE3				
4135	MS Windows Backup Password (XP/Vista)	PSW				
4136	PageWunder Document	PWF				

4 1 3 7	PSU Designer 2 Project	PSU				
4 1 3 8	PassMark PerformanceTest Data	PT				
4 1 3 9	LiveNote Portable Transcript	PTF				
4 1 4 0	ArtRage Project	PTG				
4 1 4 1	Adobe Premiere Pro Title	PTL				
4 1 4 2	PTgui Project	PTS				
4 1 4 3	GoBe Productive Document	PVE				
4 1	Design & Print Business Edition Document	PVN				

4						
4						
4	Password Boss	PWB				
1	Database					
4						
5						
4	Password Tracker	PWT				
1	Deluxe Tracking					
4	List					
6						
4	Pixie Paint	PXI				
1	Drawing					
4						
7						
4	Pixelmatro Graphic	PXM				
1	Image					
4						
8						
4	Python Bytecode	PYC				
1						
4						
9						
4	PlayReady Video	PYV				
1						
5						
0						
4	Poser Scene	PZ3				
1	Document					
5						
1						

4 1 5 2	GraphPad Prism Project	PZF				
4 1 5 3	MS Office Quick Access Toolbar Information	QAT				
4 1 5 4	QuickBooks for Windows Backup	QBB				
4 1 5 5	MS QuickBASIC Coordinates	QCF				
4 1 5 6	Miliki Super Compressor Pro Archive	QCF				
4 1 5 7	Statler Stitcher Design	QLI				
4 1 5 8	Qpress Compressed Archive	QP03				
4 1	Avira AntiVir Quarantined File	QUA				

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4160	QlikView Document	QVW				
4161	Create A Quiz Exam	QZ				
4162	QuizPro Quiz	QZD, QZS, QZE				
4163	Fuji CCD-RAW Graphic Image	RAF				
4164	Resume Builder 4 Resume	RB4				
4165	Molfile Reaction Data	RD				
4166	R Saved Workspace	RDATA				

4 1 6 7	Yaesu Radio Memory Image	RDF				
4 1 6 8	Real-DRAW Image	RDW				
4 1 6 9	Atari ST Guide Reference Links	REF				
4 1 7 0	IDRISI Raster Image Reference	REF				
4 1 7 1	REKO Cardset	REKO, RKP				
4 1 7 2	Revolution MetaCard Stack (Text)	REV				
4 1 7 3	Revolution MetaCard Stack (Binary)	REV				
4 1	RoboForm SafeNote/Passcard Database	RFN, RFP, RFX				

74						
4175	RoboForm Cache	RFO				
4176	MikroTik RouterOS Debug Dump	RIF				
4177	RemoteKeys Profile					
4178	RealMedia Secure Clip	RMX				
4179	SpaceCAD Rocket Design	ROC				
4180	RAR Password Cracker Project	RPC				
4181	ARMovie Video	RPL				

4 1 8 2	MicroStation CAD Symbology Resources	RSC				
4 1 8 3	Symbian Application Resource	RSC				
4 1 8 4	FLEXIT Multishot Survey Raw Data	RSY				
4 1 8 5	RandyTab Guitar Tablature	RTAB				
4 1 8 6	RagTime Document	RTD				
4 1 8 7	RTE Encoded File	RTE				
4 1 8 8	Rune Map	RUN				
4 1	Navitel Navigator Map	RUS				

8						
9						
4	RWSD Audio	RWSD				
1	Stream					
9						
0						
4	Mindstorms	RXE				
1	Robotics Invention					
9	System Executable					
1						
4	Resco Encrypted	RXF				
1	File					
9						
2						
4	MDL Chemical	RXN				
1	reaction format					
9						
3						
4	File Crypt	RZX				
1	Encrypted File					
9						
4						
4	Java Script Source	JS, ASP, HTM,		Y		
1	Code (Unicode)	HTML, HTT, HTC,				
9		ASPX, ASCX				
9						
5						
4	Encrypting File	???\$EFS, DAT				
1	System Stream					
9	(NTFS ADS)					
6						

4 1 9 7	Squeak Package	SAR				
4 1 9 8	SAS Database	SAS7BDAT				
4 1 9 9	SatHawk Data	SAT				
4 2 0 0	Daemon Tools Pro Disk Image	SAV				
4 2 0 1	Free Download Manager Data	SAV				
4 2 0 2	SerialBox Serial Numbers Package	SB2				
4 2 0 3	Small Business Publisher Document	SBPF				
4 2	NOMAD MP3 Manager Voice Audio	SC4				

04						
4205	ChemWindow Standard Chemistry Data	SCF				
4206	Tina Pro for Windows V6.0+ Package Schematics	SCH, TSC				
4207	Sinclair Disk Image	SCL				
4208	Movie Magic Screenwiter Document	SCW				
4209	SuperMap World GIS Database	SDB				
4210	ArcGIS Geospatial Data	SDC				
4211	System Deployment Image	SDI				

4 2 1 2	DB/TextWorks Database Deferred Update Directory	SDO				
4 2 1 3	CaptiveWorks Satellite Channel Database	SDX				
4 2 1 4	Hitec Aurora 9 Model	SET				
4 2 1 5	Playstation 3 Game Disc Description	SFB				
4 2 1 6	MS Word 2007-2010 Document+Macros (Open XML)	DOCM	Y	Y		
4 2 1 7	MS Word 2007-2010 Template (Open XML)	DOTX	Y	Y		
4 2 1 8	MS Word 2007-2010 Template+Macros (Open XML)	DOTM	Y	Y		
4 2	MS Excel 2007-2010 Spreadsheet+Macro (Open XML)	XLSM	Y	Y		

1 9						
4 2 2 0	MS Excel 2007-2010 Template (Open XML)	XLTX	Y	Y		
4 2 2 1	MS Excel 2007-2010 Template+Macros (Open XML)	XLTM	Y	Y		
4 2 2 2	MS PowerPoint 2007-2010 Presentation+Macr os (Open XML)	PPTM	Y	Y		
4 2 2 3	MS PowerPoint 2007-2010 Template (Open XML)	POTX	Y	Y		
4 2 2 4	MS PowerPoint 2007-2010 Slides (Open XML)	PPSX	Y	Y		
4 2 2 5	MS PowerPoint 2007-2010 Slides+Macros (Open XML)	PPSM	Y	Y		
4 2 2 6	OneNote Note (XML)	ONE, XML, HTM, MHT		Y		

47- 2 2 7	Zip Self Extracting Archive	EXE				Y
4 2 2 8	MagicQ Lighting & Video Show	SHW				
4 2 2 9	Motorola RAZR Flash Image	SHX				
4 2 3 0	ShipInBottle Compressed Archive	SIB, SHINBO				
4 2 3 1	Sibelius Music Score	SIB				
4 2 3 2	a-squared Anti- Malware Signatures	SIG				
4 2 3 3	Panda Signatures	SIG				
4 2	Symbian Series 3 Installer	SISX				

3						
4						
4	SkinCrafter Skin	SKF				
2						
3						
5						
4	Motorola RAZR	SKI				
2	Phone Skin					
3						
6						
4	Show.kit Template	SKS				
2						
3						
7						
4	Smart Install Maker	SMM				
2	Project					
3						
8						
4	Spartan Molecule	SMOL				
2	Model					
3						
9						
4	Sc2gears Mouse	SMPD				
2	Print Data					
4						
0						
4	Super Nintendo	SMV				
2	Movie					
4						
1						

4 2 4 2	Drive SnapShot Partial Disk Image	SN1, SNn				
4 2 4 3	Drive SnapShot Disk Image	SNA				
4 2 4 4	M.U.G.E.N. Sound	SND				
4 2 4 5	Sniffer Capture	SNF				
4 2 4 6	Korg Song	SNG				
4 2 4 7	Snoop Capture	SNOOP				
4 2 4 8	Quartus II SRAM Object	SOF				
4 2	SignPlot Traffic Sign	SP				

49						
4250	Spectral Data	SPA				
451	Skype Extra Plug-in	SPARC				
4252	WinView CCD Camera Image	SPE				
4253	StruCAD 3D Model	SPF				
4254	Spider Solitaire Saved Game	SPIDERSOLITAIR				
4255	Spartan Spinput Job	SPINPUT				
4256	Site Publisher Project	SPJ				

4 2 5 7	DiskStation DSM package	SPK				
4 2 5 8	id Software Sprite	SPR				
4 2 5 9	Live for Speed Single Player Replay	SPR				
4 2 6 0	Sangduck Sprite	SPR				
4 2 6 1	SharkPort Saved PS2 Games	SPS				
4 2 6 2	Winamp Signal Processing Studio DSP-Effect	SPS				
4 2 6 3	Squeeze Project	SQZ				
4 2	FreeMotion Flash Movie	SQF				

6 4						
4 2 6 5	SR2 Compressed Archive	SR2				
4 2 6 6	SuperREP Compressed Archive	SREP				
4 2 6 7	Garmin Vechicle Images	SRF				
4 2 6 8	ScreenSwift Screen Saver Project	SSP				
4 2 6 9	SmartSniff Saved Packets	SSP				
4 2 7 0	Sonic Scenarist SubTitles	SST				
4 2 7 1	Fanuc Parameters	ST1H				

4 2 7 2	Star 3 MIDI Karaoke Song	ST3				
4 2 7 3	2D Fighter Maker Second Stage	STAGE				
4 2 7 4	WI-Scan Log	STD				
4 2 7 5	3D World Studio Material	STF				
4 2 7 6	Infinity Game Engine Store	STO				
4 2 7 7	PRO100 3D Interior Design Project	STO				
4 2 7 8	SuperTux Saved Game	STSG				
4 2	FTK Imager Image	AD1				

7 9						
4 2 8 0	Symantec LiveState Recovery Image	SV2I				
4 2 8 1	StarView Metafile	SVM				
4 2 8 2	Flash Video Debug	SWD				
4 2 8 3	Settlers II Map	SWD				
4 2 8 4	SWiSH Project	SWI				
4 2 8 5	Swish-e Index	SWISH-E				
4 2 8 6	Taverna Workbench Workflow Definition	T2FLOW				

4thinBasic Console 2Script 8(Obfuscated) 7	TBASICCX				
4MS Visual Studio 2Symbol Cache 8 8	SYMCACHE				
4ZX Spectrum State 2Snapshot 8 9	SZX				
4DB/TextWorks 2Database Primary 9Textbase 0Definition	TBA				
4thinBasic GUI 2Script 9(Obfuscated) 1	TBASICX				
4DB/TextWorks 2Database Menu 9Screen 2	TBM				
4Psion Series 3 2eBook 9 3	TCR				
4SlamDB Database 2	TDB				

94						
4295	TinyDisk Meta File	TDF				
4296	TECkit Compiled Mapping	TEC				
4297	Black And White 2 Terrain Data	TER				
4298	Terragen Terrain	TERRAIN, TER				
4299	Croteam Texture	TEX				
4300	TEXinfo Source	TEXI, TEXTINFO				
4301	FormTool Gold Form	TFM				

4 3 0 2	Terragen 2 World Data	TGD				
4 3 0 3	MDL Molfile Transportable Graphic Image	TGF				
4 3 0 4	Tree Generator 3D Tree	TGF				
4 3 0 5	Terragen 2 World	TGW				
4 3 0 6	Thor Compressed Archive	THR				
4 3 0 7	AVCHD Thumbnail Index	TID				
4 3 0 8	TI Interactive Workbook	TII				
4 3	Infinity Game Engine Compressed Tileset	TIZ				

09						
4310	Taijin Media Net Karaoke Song	TJN				
4311	Wintec Tools GPS log	TK1				
4312	tKC Cracking Tutorial	TKC				
4313	TimeLiner 5.0 Timeline	TL5				
4314	Aurora Engine Talk Table	TLK				
4315	AZZ Cardfile Database (RTF)	TMP				
4316	AZZ Cardfile Database (ASCII)	TMP				

4 3 1 7	Nero Audio Peak	TMP				
4 3 1 8	TI-Nspire OS Image	TNO, TNC				
4 3 1 9	TI-Nspire CAS OS Image	TNC				
4 3 2 0	TI-Nspire Document	TNS				
4 3 2 1	TI-Nspire PublishView Document	TNSP				
4 3 2 2	Toast CD Image	TOAST				
4 3 2 3	Waltop Digital Ink-pad Graphic Image	TOP				
4 3	TopSolid Project	TOPPRJ				

2						
4						
4	TinkerPlots	TP				
3	Document					
2						
5						
4	TexMod Package	TPF				
3						
2						
6						
4	Tochal Package	TPK				
3						
2						
7						
4	TR Assistant	TRD				
3	Dictionary					
2						
8						
4	Star Wars Galaxies	TRE				
3	Archive					
2						
9						
4	Garmin GPS PCX5	TRK				
3	Track Data					
3						
0						
4	Magellan GPS	TRK				
3	Waypoint Data					
3						
1						

4 3 3 2	Ports of Call Saved Game	TRP				
4 3 3 3	Traverse PC Desktop Survey Data	TRV				
4 3 3 4	Qt Translation Source	TS				
4 3 3 5	TatukGIS Project	TTKGP				
4 3 3 6	TVgenial Skin	TVGSKIN				
4 3 3 7	TeamViewer Video Session	TVS				
4 3 3 8	Celestia Font Texture	TXF				
4 3	DVD TEXT Data	TXTDT				

39						
4340	Assembly Manifest Store	AMX				
4341	Assembly Manifest Index	AUX				
4342	Blu-ray Disc Movie Index	BDMV				
4343	Blu-ray Disc Movie Object	BDMV				
4344	QuickBooks for Windows Component File Search Dictionary	CFS				
4345	MS Help Library Index	MSHI				
4346	SolidWorks 2001 Drawing	SLDDRW				

4 3 4 7	Universal 3D Image	U3D				
4 3 4 8	WinCC User Archive Export	UAP				
4 3 4 9	Samsung YP-P2 Theme	UCI				
4 3 5 0	Crazy Machines Model	UCM				
4 3 5 1	Universal Classification Standard Database	UCS				
4 3 5 2	UC Browser Theme	UCT				
4 3 5 3	VBA32 Antivirus Signature	UDB				
4 3	NHTSA UDS-1992 Crash Test Data	UDS				

5						
4						
4	Sierra Generations	UDS				
3	Geneology Family					
5						
5						
4	Ellisys Visual USB	UFO				
3	Data					
5						
6						
4	UMD Photobook	UMD				
3						
5						
7						
4	Ulead Private Data	UPD				
3						
5						
8						
4	Uniprint Unified	UPP				
3	Printer Parameter					
5						
9						
4	AppFace Skin	URF				
3						
6						
0						
4	USeq Genome Data	USEQ				
3						
6						
1						

4 3 6 2	EVGA Precision X Skin	USF				
4 3 6 3	ThemeEngine Theme/Skin	USKN				
4 3 6 4	EAGLE User- Specific Parameters	USR, EAGLERC				
4 3 6 5	SafeGuard PrivateCrypto Encrypted Archive	UTI				
4 3 6 6	Emergency 3D Model	V30				
4 3 6 7	Vis5D Dataset	V5D				
4 3 6 8	Virtual CD v4 log	VBL				
4 3	VisualBoyAdvance Movie Capture	VBM				

69						
4370	Visualization of Compiler Graph	VCG				
4371	Avira AntiVir Virus Database	VDF				
4372	Adobe InDesign Document (XML)	IDML		Y		
4373	VisiForm Form	VFT				
4374	Creative Webcam Video Effects Pack	VFZ				
4375	Video Game Music	VGM				
4376	Yamaha PSR-9000 Custom Voice	VIC				

4 3 7 7	ViX Image Catalog	VIX				
4 3 7 8	VMware Localization	VLCL				
4 3 7 9	Ashlar-Vellum Drawing	VLM				
4 3 8 0	Vocaloid Motion Data					
4 3 8 1	VirtuaNES Movie Capture	VMV				
4 3 8 2	Sony Ericsson Mobile Phone Note	VNT				
4 3 8 3	Valve Package	VPK				
4 3	Garmin Voice	VPM				

8 4						
4 3 8 5	Vox Proxy Macro	VPM				
4 3 8 6	Visual Paradigm for UML Project	VPP				
4 3 8 7	Avast! Setup/Update Package	VPU				
4 3 8 8	Ventrilo Audio Recording	VRF				
4 3 8 9	Geospatial Data Abstraction Library	VRT				
4 3 9 0	ParaView Legacy VTK Data	VTK				
4 3 9 1	ParaView VTK Rectilinear Grid	VTR				

4 3 9 2	ParaView VTK Structured Grid	VTS				
4 3 9 3	Indeo Video Format Extension	IFV				
4 3 9 4	Voxel Animation	VXL				
4 3 9 5	Solo Explorer Transcription	W2M				
4 3 9 6	Black and White 2 Wall Data	WAL				
4 3 9 7	MultiBit Wallet	WALLET				
4 3 9 8	WinBreadboard Circuit Schematic	WBD				
4 3	eBeam Whiteboard	WBD				

9						
9						
4	WebShots Image	WBZ				
4						
0						
0						
4	WinGenea Family	WDF				
4	Tree					
0						
1						
4	DynaDoc Electric	WDL				
4	Exchange					
0	Document					
2						
4	3D WohnungsPlan	WDS				
4	Project					
0						
3						
4	Weather Tool	WEA				
4	Weather Data					
0						
4						
4	Wolfenstein	WEAP				
4	Weapon Definition					
0	Script					
5						
4	WebM Multimedia	WEBM				
4	Container					
0						
6						

4MS SharePoint Web 4Part 07	WEBPART				
4EViews Workfile 408	WF1				
4AWG Waveform 4Data Point 09	WFM				
4Wings 3D Mesh 410	WINGS				
4MS Visual Studio 4Work Item Query 11	WIQ				
4Xara Internal 4Graphic Image 12	WIX				
4VISI-Series CAD 4Work File 13	WKF				
4Adobe AIR 4Application	AIR				

1 4						
4 4 1 5	MS OLE 1.0 Native Compound Package					
4 4 1 6	MS SharePoint Workspace	GRV				
4 4 1 7	MS SharePoint Workspace Tool Archive	GTA				
4 4 1 8	GetText Portable Object	PO				
4 4 1 9	WeatherLink Weather Data	WLK				
4 4 2 0	MSC Nastran Desktop Document	WM3				
4 4 2 1	Wink Presentation	WNK				

4 4 2 2	Web Open Font Format Package 1	WOFF				
4 4 2 3	ACT! Word Processor Document	WPA				
4 4 2 4	iSeries Client Access WorkStation Profile	WS				
4 4 2 5	Wise Script	WSE				
4 4 2 6	Whisper 32 Passwords	WSP				
4 4 2 7	Windwos Sidebar Style	WSSTYLES				
4 4 2 8	Media Center Recorded Television Show	WTV				
4 4	WhatsUp Gold Network Map	WUP				

2 9						
4 4 3 0	Yokogawa Oscilloscope Captured Data	WVF				
4 4 3 1	Must Music Audio	WVZ				
4 4 3 2	WYSIWYG Design	WYG				
4 4 3 3	Parasolid CAD Model	X_T				
4 4 3 4	DarkCryptTC Encrypted File Container	XDC				
4 4 3 5	MS Windows Isolated Storage Data	DAT				
4 4 3 6	McAfee VirusScan Log	ETL, BAK				

4 4 3 7	Chrome Local Database	LDB, SST				
4 4 3 8	MS Windows Recycled File Reference					
4 4 3 9	MS Windows Cache Database	DB				
4 4 4 0	Norton Security Log	DAT				
4 4 4 1	McAfee VirusScan Configuration Data	DAT				
4 4 4 2	xfit XDD Format Data	XDD				
4 4 4 3	WinArchiver Extended Disc Image	XDI				
4 4	LCStudio Design	XDS				

4						
4						
4	XenoDream	XEP				
4	Graphics Data					
4						
5						
4	Primavera Project	XER				
4	Management					
4	Exchange					
6						
4	XeX Web Page	XEX				
4	Definition					
4						
7						
4	Binary Device	XFB				
4	Interface File					
4	Format					
8						
4	GraphEdit Filter	XGR				
4	Graph Markup					
4	Language (XML)					
9						
4	XACT Global	XGS				
4	Settings					
5						
0						
4	Hotbar Compressed	XIP				
4	Skin Image					
5						
1						

4 4 5 2	Bitdefender Plug-in	XMD				
4 4 5 3	MediaForge Runtime Player Distribution Project	XMFG				
4 4 5 4	XNA Game Studio Binary Package	XNB				
4 4 5 5	XPilot NG Map	XP2				
4 4 5 6	KiriKiri Adventure Game System Package	XP3				
4 4 5 7	LCDStudio Configuration Playlist	XPL				
4 4 5 8	Xset Plug-in	XPL				
4 4	Microsoft Dynamics AX Export (ASCII)	XPO				

59						
4460	Microsoft Dynamics AX Export (UTF)	XPO				
461	MonkeyJam Exposure Sheet	XPS				
462	Timeless Multi-user Time and Expense Data	TMD				
463	JasperReports JasperPrint Document	JRPRINT				
464	SAS Transport XPORT Format	XPT				
465	XQuery Source/Module	XQ, XQM, XQY				
466	XESS Worksheet	XS3, XS4, XS5				

4 4 6 7	XACT Sound Bank	XSB				
4 4 6 8	XTrkCAD Project	XTC				
4 4 6 9	Winstep Xtreme Theme Pack	XTREME				
4 4 7 0	Xbox 360 User Interface	XUI				
4 4 7 1	Declan Word Database	XWF				
4 4 7 2	XACT Wave Bank	XWB				
4 4 7 3	WinPlot Chart	XWP				
4 4	XZP Container	XZP				

7 4						
4 4 7 5	YUV4MPEG2 Video	Y4M				
4 7 6	Outerra Captured Video	YOG				
4 4 7 7	BYOB Project	YPR				
4 4 7 8	BYOB Sprite	YPR				
4 4 7 9	ZModeler 3D Model	Z3D				
4 4 8 0	HLGuard Z Configuration	ZCFG				
4 4 8 1	ZX-Edit Document	ZED				

4 4 8 2	ZeroG Subtitles	ZEG				
4 4 8 3	Zope Binary Export	ZEXP				
4 4 8 4	ZjStream Page Description Language (Motorola)	ZJS				
4 4 8 5	ZjStream Page Description Language (Intel)	ZJS				
4 4 8 6	MS Outlook Journal Object					
4 4 8 7	Easy CD Creator Drag To Disk Data	ZL				
4 4 8 8	ZMA Impedance Response Data	ZMA				
4 4	Sage Backup		0			

8						
9						
4	Novell ZENworks	ZMG				
4	Desktop					
9	Management Image					
0	Archive					
4	ZSNES Movie	ZMV				
4	Capture					
9						
1						
4	Zune Playlist	ZPL				
4						
9						
2						
4	Zillions of Games	ZSG				
4	Saved Game					
9						
3						
4	ZSNES Saved State	ZST				
4						
9						
4						
4	Zsync Metadata	ZSYNC				
4						
9						
5						
4	ZBrush ZTool	ZTL				
4	Native Saved Tool					
9	Configuration					
6						

4 4 9 7	Visual Paradigm for UML License Key	ZVPL				
4 4 9 8	Pision Compressed eBook	ZVR				
4 4 9 9	Safe Media Recorded Voice	ZVR				
4 5 0 0	ZiLOG Developer Studio Workspace	ZWS				
4 5 0 1	Speculator 97 Shapshot	ZX82				
4 5 0 2	ZX-Modules Meta Archive	ZXB				
4 5 0 3	ZX-Editor Second Edition Document	ZXE				
4 5	ZX-Paintbrush Image	ZXP				

04						
4505	SWiSH Max Multimedia Effects	SFX				
4506	Chrome Safe Browsing IP List					
4507	Chrome Browser Cache					
4508	MS Cryptnet URL Cache Metadata					
4509	Chrome Browser Saved Session					
4510	Chrome Plug-In Application	CRX				
4511	MS F# Optimization and Signatures	OPTDATA, SIGDATA				

4 5 1 2	iPhoto Library Thumbnails	DATA				
4 5 1 3	Finder Backup Burnable Archive Book Mark					
4 5 1 4	iBooks Asset					
4 5 1 5	OneDrive Sync Log	ODL				
4 5 1 6	Adobe Portable Document Format (PDF/A-2a)	PDF	Y	Y	Y	
4 5 1 7	Adobe Portable Document Format (PDF/A-2b)	PDF	Y	Y	Y	
4 5 1 8	Bio-Rad Scan	1SC				
4 5	Infinity Game Engine Rule Set	2DA				

1 9						
4 5 2 0	Nintendo DS Sound Format Rip	2SFLIB				
4 5 2 1	Adobe Portable Document Format (PDF/A-2u)	PDF	Y	Y	Y	
4 5 2 2	Adobe Portable Document Format (PDF/A-3a)	PDF	Y	Y	Y	
4 5 2 3	Adobe Portable Document Format (PDF/A-3b)	PDF	Y	Y	Y	
4 5 2 4	Adobe Portable Document Format (PDF/A-3u)	PDF	Y	Y	Y	
4 5 2 5	360-Degree Desktop Image	360				
4 5 2 6	3Doku Game Data	3DOKU				

43GPP Audio 5 2 7	3GA				
4PolySpace Check 5Results 2 8	CHK				
4GoDot 4-bit 5Graphics Image 2 9	4BT				
4777 Compressed 5Archive 3 0	777				
4AZZ Cardfile Index 5 3 1	~I				
4SPACK Archive 5 3 2	SIP				
4LZ Archive 5 3 3	LZ				Y
4Apple II Finder 5Index	DATA				

3						
4						
4	Apple II Macro	MACRO, MAC, MACS, TXT				
5						
3						
5						
4	MS Windows Vault	VSCH				
5	Schema					
3						
6						
4	MS Windows Vault	VPOL				
5	Policy					
3						
7						
4	MS Visual Studio	STORE				
5	AddIn Store Index					
3						
8						
4	Zemana Threats	ZDB				
5	Database					
3						
9						
4	MS Visual Studio	VSDCONFIG				
5	Debugger					
4	Configuration					
0						
4	NuGet Package	NUPKG				
5						
4						
1						

4 5 4 2	MS Help Container	MSHC				
4 5 4 3	Adobe AIR Signed Package	SPI, ACX, CFG				
4 5 4 4	MS Windows Store App Package	APPX				
4 5 4 5	MS SQL Server Data Tier Application Package	DACPAC				
4 5 4 6	QuickBooks Auto Correction Dictionary	SOT				
4 5 4 7	MS LightSwitch Package	LSPKG				
4 5 4 8	MS Visual Studio Extension Cache	CACHE				
4 5	MS Visual Studio Extension	VSIX				

49						
4550	McAfee Quarantined File Details	BUP				
4551	MS Visio 2013 Document (Open XML)	VSDX		Y		
4552	MS Visio FoxPro Memory Variables	MEM				
4553	HP Raster Printer Driver Objects	RPO				
4554	MPEG Movie Fragment					
4555	Brother Printer Driver	BCM				
4556	Chrome Dictionary	BDIC				

4 5 5 7	Intuit Form Index	FDFI				
4 5 5 8	Norton QBackup Data	QBD, QBI				
4 5 5 9	Quickbooks Printer Settings	QBP				
4 5 6 0	MS Exchange/Outlook Offline Storage (2003-2010)	OST				Y
4 5 6 1	MS Exchange/Outlook Offline Storage (2013)	OST				Y
4 5 6 2	MS Event Trace Log	ETL				
4 5 6 3	Localization Resource Package	PAK				
4 5	Quickbooks Segment Data					

6 4						
4 5 6 5	MS Windows JavaScript Resources	RESJSON				
4 5 6 6	MS Visual Studio Shell	PKGDEF				
4 5 6 7	MS Visual Studio IntelliSense Code Snippet	SNIPPET				
4 5 6 8	MS SQL Server Breadcrumb	BC				
4 5 6 9	CoffeeScript JavaScript	COFFEE				
4 5 7 0	Quickbooks Backup Log	SYB				
4 5 7 1	WinZip Archive (Advanced)	ZIPX				Y

4 5 7 2	Adobe Portable Document Format (PDF/E)	PDF	Y	Y	Y	
4 5 7 3	Adobe Portable Document Format (PDF/E-1)	PDF	Y	Y	Y	
4 5 7 4	Adobe Portable Document Format (PDF/UA)	PDF	Y	Y	Y	
4 5 7 5	Adobe Portable Document Format (PDF/X-1a)	PDF	Y	Y	Y	
4 5 7 6	Adobe Portable Document Format (PDF/X-3)	PDF	Y	Y	Y	
4 5 7 7	Adobe Portable Document Format (PDF/X-4)	PDF	Y	Y	Y	
4 5 7 8	Adobe Portable Document Format (PDF/X-4p)	PDF	Y	Y	Y	
4 5	Adobe Portable Document Format (PDF/X-5)	PDF	Y	Y	Y	

7 9						
4 5 8 0	Adobe Portable Document Format (PDF/X-5g)	PDF	Y	Y	Y	
4 5 8 1	Adobe Portable Document Format (PDF/X-5n)	PDF	Y	Y	Y	
4 5 8 2	Adobe Portable Document Format (PDF/X-5pg)	PDF	Y	Y	Y	
4 5 8 3	Adobe Portable Document Format (PDF/VT)	PDF	Y	Y	Y	
4 5 8 4	Adobe Portable Document Format (PDF/VT-1)	PDF	Y	Y	Y	
4 5 8 5	Adobe Portable Document Format (PDF/VT-2)	PDF	Y	Y	Y	
4 5 8 6	Adobe Portable Document Format (PDF/VT-2s)	PDF	Y	Y	Y	

4 5 8 7	Minecraft Land Database	LDB				
4 5 8 8	Minecraft Level Data					
4 5 8 9	Minecraft Level Manifest					
4 5 9 0	VMware Cached Application Icon	APPICON				
4 5 9 1	VMware Cached Application Data	APPINFO				
4 5 9 2	Apple Website Shortcut	WEBLOC				
4 5 9 3	Apple Website Archive	WEBARCHIVE				
4 5	MultiBit Core Wallet Data	DAT				

94						
4595	Berkeley UNIX Mailbox Table of Contents					
4596	Wii Texture Palette	TPL				
4597	Firebird Database	FDB				
4598	Skype Conversation Audio (Compressed)	SIL				
4599	Brother / Babylock / Bernina Home Embroidery	PEC				
4600	RealPlayer Video	IVR				
4601	Zisofs Compressed Archive					

4 6 0 2	AutoCAD R2.5 Drawing	DWG				
4 6 0 3	AutoCAD R2.6 Drawing	DWG				
4 6 0 4	AutoCAD R9 Drawing	DWG				
4 6 0 5	AutoCAD R10 Drawing	DWG				
4 6 0 6	AutoCAD R11/R12 Drawing	DWG				
4 6 0 7	AutoCAD R13 Subtype 10 Drawing	DWG				
4 6 0 8	AutoCAD R13 Subtype 11 Drawing	DWG				
4 6	AutoCAD R13 Subtype 12 Drawing	DWG				

09						
4610	AutoCAD R14 Subtype 13 Drawing	DWG				
4611	AutoCAD R14 Subtype 14 Drawing	DWG				
4612	AutoCAD R2000 Drawing	DWG				
4613	AutoCAD R2004 Drawing	DWG				
4614	AutoCAD R2007 Drawing	DWG				
4615	Steganos Security Suite Virtual Secure Drive	SLE				
4616	AES Crypt Archive	AES				

4 6 1 7	Better Portable Graphics Image	BPG				
4 6 1 8	Puffer ASCII Armored Encrypted Archive	APUF				
4 6 1 9	WhereIsIt Catalog	CTF				
4 6 2 0	EnCase Evidence Segment v2.00	Exnn, Ex01				Y
4 6 2 1	Genetec Video Archive	G64				
4 6 2 2	Forte Agent Newsreader Character Map	COD				
4 6 2 3	Password 4 Cloud Keychain Encrypted Attachment	ATTACHMENT				
4 6	Windows User State Migration Tool Data	DAT				

2						
4						
4	Puffer Encrypted	PUF				
6	Archive					
2						
5						
4	Google WebP	PUF				
6	Image					
2						
6						
4	ShadownProtect	SPF				
6	Backup (Full					
2	Image)					
7						
4	MultiBit Blockchain	SPVCHAIN				
6						
2						
8						
4	IBM DB2	CNV				
6	Conversion					
2						
9						
4	VocalTec Media	VMD				
6	Descriptor					
3						
0						
4	MultiBit Wallet	INFO				
6	Information					
3						
1						

4 6 3 2	1Password 4 Cloud Keychain Encrypted Data					
4 6 3 3	Qimage Filter	FLT				
4 6 3 4	Huskygram/Poem/S inger Embroidery Design	CSD				
4 6 3 5	Jeppesen Flight Log	LBK				
4 6 3 6	BitLocker Encrypted Disk Image (Vista)					
4 6 3 7	BitLocker Encrypted Disk Image (Windows 7)					
4 6 3 8	Mac OS X Program (PowerPC 64bit)					
4 6	Mac OS X Dynamic Library (PowerPC 64-bit)	DYLIB, KEXT				

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4640	MS Windows MSinfo Data	MOF				
4641	ASCII85 Encoded File	B85				
4642	LZ4 Compressed Stream	LZ4				Y
4643	AppleWorks 5 Document	CWK				
4644	AppleWorks 6 Document	CWK				
4645	Ami-Back Hard Drive Backup	BAC				
4646	MS Windows Update Binary Delta Compressed					

4 6 4 7	Free Lossless Image Format Image	FLIF				
4 6 4 8	Rowperfect Session Analysis	STG				
4 6 4 9	Magic Lantern Video	MLV				
4 6 5 0	Web Open Font Format Package 2	WOFF2				
4 6 5 1	Palm OS Calendar	DBA				
4 6 5 2	Lepton Compressed JPEG Image	LEP				
4 6 5 3	EndNote Library	ENL				
4 6	Show Partner Graphics Image	GX2				

5						
4						
4	SpeedTouch Router 6Firmware	BIN				
5						
5						
4	Graphics Kernel 6System Image	GKS				
5						
6						
4	Dore Raster Image	DORE, IMG				
6						
5						
7						
4	Panda 3D 6Transform 5Definition	EGG				
8						
4	ALZip EGG 6Compressed 5Archive	EGG				
9						
4	EGG Video	EGG				
6						
6						
0						
4	Maya 3D Image 6(64bit; binary)	mb				
6						
1						

4 6 6 2	Gerber Vector Image	GBR				
4 6 6 3	SeqBox Archive	SBX, SEQBOX				
4 6 6 4	LyNX Archive	LNK				
4 6 6 5	PackDir Compressed Archive	PACKDIR				
4 6 6 6	Scifer Compressed Archive	SEN, BA				
4 6 6 7	Softlib Compressed Archive	SLB				
4 6 6 8	WARC Archive	WARC				
4 6	ARC Internet Archive	ARC				

6 9						
4 6 7 0	CDX Internet Index	CDX				
4 6 7 1	BSDIFF Compressed Archive					
4 6 7 2	Generic DIFF Archive					
4 6 7 3	International Patching System Archive	IPS				
4 6 7 4	UPS Patch Archive	UPS				
4 6 7 5	VCDIFF Compressed Archive	VCDIFF				
4 6 7 6	Adobe Portable Document Format v1.1	PDF	Y	Y	Y	

4 6 7 7	Adobe Portable Document Format v1.2	PDF	Y	Y	Y	
4 6 7 8	Adobe Portable Document Format v1.3	PDF	Y	Y	Y	
4 6 7 9	Adobe Portable Document Format v1.4	PDF	Y	Y	Y	
4 6 8 0	Adobe Portable Document Format v1.5	PDF	Y	Y	Y	
4 6 8 1	Adobe Portable Document Format v1.6	PDF	Y	Y	Y	
4 6 8 2	Adobe Portable Document Format v1.7	PDF	Y	Y	Y	
4 6 8 3	Adobe Portable Document Format (PDF/X-1:1999)	PDF	Y	Y	Y	
4 6	Adobe Portable Document Format (PDF/X-1:2001)	PDF	Y	Y	Y	

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4685	Adobe Portable Document Format 8 (PDF/X-2)	PDF	Y	Y	Y	
4686	Adobe Portable Document Format 8 (PDF/X-1a:2003)	PDF	Y	Y	Y	
4687	Adobe Portable Document Format 8 (PDF/X-3:2003)	PDF	Y	Y	Y	
4688	Block Hash Loc	BHL				
4689	Mtree Index					
4690	Cache Directory Tag	TAG				
4691	Symbian/EPOC release 3, 4, 5 Installer	SIS				

4 6 9 2	lomega Backup	113				
4 6 9 3	Oracle Database Backup	ARC				
4 6 9 4	Ableton Live Metadata	AMS				
4 6 9 5	FruityLoops / FL Studio Project	FLP				
4 6 9 6	Jeskola Buzz Song	BMX, BMW				
4 6 9 7	Tableau Packaged Workbook	TWBX				
4 6 9 8	Propellerhead Reason NN-XT Patch	SX2				
4 6	Studio Session Song (MacBinary)	SSS				

9						
9						
4 7 0 0	Direct Stream Digital Music	DSF				
4 7 0 1	RF64 Broadcast Wave Format Audio	RF64, WAV				
4 7 0 2	KSS Music	KSS				
4 7 0 3	KSSX Music	KSS				
4 7 0 4	Nintendo Entertainment System Sound Extended	NSFE				
4 7 0 5	Picasa Movie Project	MXF				
4 7 0 6	MS Internet Explorer v11 Tracking Protection List	TPL				

4707	PCAP Next Generation Dump	PCAPNG				
4708	Amazon Kindle Update Package	BIN				
4709	Universal Voxel Translator	TOX				
4710	LZFSE Compressed Archive	LZFSE				
4711	Apache Avro Object Container	AVRO				
4712	RCFile Columnar Data	RC				
4713	Emulator Emaxsynth Samples	EZ2				
4714	Emulator III Synth Samples	EZ3, ISO				

1 4						
4 7 1 5	Lua Bytecode	LUAC				
4 7 1 6	Interplay ACM Music	ACM				
4 7 1 7	GameCube / Wii AST Sound	AST				
4 7 1 8	GameCube / Wii BRSTM Sound	BRSTM				
4 7 1 9	STOS Memory Bank Sounds / Images	MBK, MBS				
4 7 2 0	WinAHX Tracker Music	AHX				
4 7 2 1	MS Windows Service Control Manager Log	.				

4 7 2 2	QuickBooks for Windows Component File Search Index	.				
4 7 2 3	MS Windows Localization Dictionary	DUB				
4 7 2 4	Mozilla Firefox Safe Browsing Database	SBSTORE				
4 7 2 5	PowerShell XML Schema	RLD				
4 7 2 6	TurboTax Profile	Profile				
4 7 2 7	Vertex Shader	VS				
4 7 2 8	MS Windows Input Method	IM				
4 7	XAML Binary	XBF				

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4730	Mozilla Firefox Compressed Portable Data	MOZLZ4, JSONLZ4				
4731	Mozilla Firefox Browser Manifest	JA				
4732	MS Windows Service Control Manager Log	EVM				
4733	VMWare Installer Data	.				
4734	Microsoft Roaming Browser Password	.				
4735	Quickbooks for Windows Search Index	CFX				
4736	MS Packed Digital Signature	P7X				

4 7 3 7	Chrome Browser Visited Links Database	.				
4 7 3 8	MS Windows Package Deployment Metadata	PCKGDEP				
4 7 3 9	MS Windows Package Deployment Recovery Metadata	RECOVERY				
4 7 4 0	MS Windows Vault Credentials	VCRD				
4 7 4 1	SQLite Database Shared Memory	DB-SHM, SQLITESHM				
4 7 4 2	SQLite Database Write-Ahead Log	SQLITE-WAL				
4 7 4 3	Linux Symbolic Link	.				
4 7	PKCS12 Personal Exchange Format	PFX, P12				

4						
4						
4	ARCV Archive	0				
7						
4						
5						
4	AUS Backup Data	.				
7	Archive					
4						
6						
4	True Box Shot	DRC				
7	Cover					
4						
7						
4	Apple iOS Photo	.				
7	Database Cache					
4						
8						
4	MS OneNote Table	ONETOC				
7	Of Contents					
4						
9						
4	MS Windows NT	BUD				
7	Binary Printer					
5	Description					
0						
4	ProCite	PDT				
7	Bibliography v4					
5						
1						

4 7 5 2	All SoundTracker Module Music	AST				
4 7 5 3	AProSys Module Music	APS				
4 7 5 4	Beepola Module Song	BBSONG				
4 7 5 5	MPEG-2 Transport Stream	M2TS, MTS				
4 7 5 6	Stereo Double Chaos Music Composer Song	CMS				
4 7 5 7	Future Composer Module Music	BSI				
4 7 5 8	Liquid Digitized Sample Sound	LDS				
4 7	OctaMED v2.10 Module Music	MED4				

59						
4760	Onyx Module Music	OMF				
4761	SCC Blaffer NT Music	SBM				
4762	SCC Blaffer NT Instrument	SBK				
4763	SoundFX Module Song	SFX, SFX2				
4764	Soundtracker v2.6 Module Song	ST26				
4765	Ice Tracker Module Song					
4766	HMI Music	HMI				

4 7 6 7	Adlib Tracker II Instrument	A2I				
4 7 6 8	Adlib Tracker II Instrument Bank	A2B				
4 7 6 9	Adlib Tracker II Module Song	A2M				
4 7 7 0	Adlib Tracker II Tiny Module Song	A2T				
4 7 7 1	Adlib Tracker II Pattern	A2P				
4 7 7 2	Adobe Portable Document Security Data	ACRODATA				
4 7 7 3	Quickbooks Update Log	LOG, OLD				
4 7	FI Data Profiler Statistical Analysis	FIS				

7 4						
4 7 7 5	QuickBooks for Windows Update Descripti	DAT				
4 7 7 6	MS Visual Studio Extension Description	TXT				
4 7 7	Boom Tracker v4.0 Module Song	CFF				
4 7 7 8	DOSBox Raw OPL (DRO) Song	DRO				
4 7 7 9	Steinberg VST2 Music Plugin Presets	FXP				
4 7 8 0	Musink Song	MUSINK				
4 7 8 1	Lytro Image	LFP				

4 7 8 2	Speech Synthesis Markup Language	SSML				
4 7 8 3	VoiceDescription					
4 7 8 4	Audfprint Fingerprint	AFPT				
4 7 8 5	Audfprint Fingerprint (Columbia Peaks)	AFPK				
4 7 8 6	SoundHelix Song	XML				
4 7 8 7	Olympus Raw Image	ORF				
4 7 8 8	Panasonic Raw Image	RAW, RW2, RWL				
4 7	Rawzor Image	RWZ				

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4790	DNG Camera Image Profile	DCP				
4791	PCO B16 Digital Camera Image	B16				
4792	FLIR Open Floating Point Format Image	FPF				
4793	ChiefLZ LZA Compressed Data v1	LZA				
4794	ChiefLZ LZA Compressed Data v2	LZA				
4795	ChiefLZ LZZ Compressed Data v2	LZZ				
4796	Hammer Compressed Game Data	HMR				

4797	HAP Archive v2.10	HAP				
4798	Becky Email Message	BMF				
4799	Long Range ZIP Archive	LRZ				
4800	Random Access Compression Archive	RAC				
4801	Simple Highspeed Archiver Archive	SHARC				
4802	Terse Compressed Archive					
4803	TTW Compressed Archive	CR				
4804	Tzip Compressed Archive	TZ				

04					
4805	Yaz0 Compressed Archive	SZS			
4806	ZSQ Compressed Archive	ZZZ, ?Z?			
4807	SLIM Compressed Archive				
4808	Turbo Packer Compressed Archive				
4809	Apple Alias/Shortcut				
4810	Disk Doubler Archive	DD, SEA			
4811	Info File Database	FLR			

4 8 1 2	RFFlow Diagram	FLO				
4 8 1 3	Timeline Maker Diagram	TLM, TLMP, TLM3, TLM4, TLMZ				
4 8 1 4	Disk Imploder Image	DMP, DEX				
4 8 1 5	File Imploder Archive	IMP				
4 8 1 6	A2R Disk Image	A2R				
4 8 1 7	WOZ Disk Image	WOZ				
4 8 1 8	Analog Box Modular Song	ABOX2				
4 8	GarageBand Instrument Presets	PST				

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4820	WebHelp Page	HTM				
4821	Atari STT Disk Image	STT				
4822	Pasti Atari Floppy Disk Image	STX				
4823	G64 Floppy Disk Image	G64				
4824	DSK-PRO Compressed Disk Image	PDI				
4825	86F Disk Image	86F				
4826	86F Compressed Disk Image	86F				

4 8 2 7	CopyQM Floppy Disk Image					
4 8 2 8	Floppy Disk File Compressed Disk Image	FDF				
4 8 2 9	SolidWorks eDrawings Assembly (Zip Comp	EASM				
4 8 3 0	Quick Release Sector Transfer Disk Imag	QRST				
4 8 3 1	EZ-DiskCopy Pro Disk Image	RIM				
4 8 3 2	XPACK Disk Image	XDI				
4 8 3 3	DMK Disk Image	DMK, DSK				
4 8	Mirage Microdrive Snapshot Tape Image	SNX, SNAPSHOT				

3						
4						
4	Oric Disk Image 8(Old)	DSK				
3						
5						
4	Oric Disk Image 8(New MFM)	DSK				
3						
6						
4	LDBS Disk Image 8	LDBS				
3						
7						
4	LDBS Disk Image 8(UTF-8)	LDBST				
3						
8						
4	IPF Disk Image 8	IPF				
3						
9						
4	KryoFlux Disk 8Image 4	RAW				
0						
4	High Efficiency 8Image Container 4Image 1	HEIC				

4 8 4 2	AbiWord Template	AWT				
4 8 4 3	WinUndelete Index	WUI				
4 8 4 4	SciTex ContinuousTone Image	CT, SCT, SCITEX				
4 8 4 5	Sonic Global Image	GI				
4 8 4 6	Rox Data Disc Image Layout	ROX				
4 8 4 7	Rox Audio Disc Image Layout	ROX				
4 8 4 8	Atari CAS Cassette Tape Image	CAS				
4 8	Perfect ZX Tape Image	PZX				

49						
4850	BeagleWorks Document					
4851	BeagleWorks Spreadsheet					
482	BeagleWorks Database					
483	BeagleWorks Drawing					
484	BeagleWorks Painting					
485	COSMI Desktop Publishing Document	PUB, DTP, BRO, BCD, CRD				
486	Yozo Office Document	EIO				

4 8 5 7	Farallon Replica Document	RPL				
4 8 5 8	Uniform Office Format Document	UOP				
4 8 5 9	Affinity Publisher Document	AFTEMPLATE				
4 8 6 0	Calamus Document	CDK				
4 8 6 1	Canvas 3.5 Document	CVS				
4 8 6 2	Dynamic Publisher Screen Picture	PCT				
4 8 6 3	Dynamic Publisher Font	FNT				
4 8	Adobe InDesign Book	INDB				

6					
4					

Compound documents are composed of a container document and embedded documents. For example, a Microsoft Word document may contain an embedded Microsoft Excel spreadsheet. The embedded spreadsheet is considered to be embedded one level down from the container document. CloudNine™ Explore supports up to 99 levels of embedded compound documents. So if the embedded spreadsheet includes an embedded PowerPoint file (second level down) that further includes an embedded PDF (third level down), CloudNine™ Explore can extract all four files.

Enabling Extraction of Compound Documents

The **Expand compound documents** check box on the **Analysis** tab in the **New Case Settings** and **Edit Case Settings** dialog box determines whether or not embedded documents are expanded and indexed separately from their parent document when imported into the CloudNine™ Explore case.

When the **Expand compound documents** check box is selected, compound documents are expanded and imported as attachments of their parent documents, and the embedded files will be search-able in CloudNine™ Explore.

For more information about the Expand compound documents check box and other case settings, see [Cases in CloudNine™ Explore](#).

Supported Embedded File Types

The following file types are supported for extraction from compound documents in CloudNine™ Explore:

- Microsoft Word/RTF
- Microsoft Excel
- Microsoft PowerPoint
- Adobe Acrobat PDF
- SnapShot
- Microsoft Visio
- Microsoft Outlook.FileAttach (Word-authored e-mail with inline attachments, generally stored in RTF)
- Microsoft Project
- Package*

*A Package is a general type of embedded file. For example, it can be a generic text file or a zip file. Any of the above types may also be embedded as a package type depending on the software installed when a user embeds the file. For example, if a user were to embed an Excel spreadsheet into a Word document, and Excel is not installed, the spreadsheet will be embedded as Package.

Supported containers file types and embedded files

The following table lists common embedded file types that CloudNine™ LAW supports for extraction.



Office 95 and earlier versions of Office are not supported with CloudNine™ Explore.

Non-Microsoft Office Formats	
	Adobe Acrobat (PDF)
	Rich text format (RTF)
Office 2007 and above	
	Excel Spreadsheet (OpenXml)
	MS Office Data File (OpenXml)
	PowerPoint Presentation (OpenXml)
	Word (OpenXml)
Office 2003	
	Word

Non-Microsoft Office Formats	
	Word (xml)
	Excel
	Excel (xml) *Compound documents not supported in this format
	OneNote
	PowerPoint
	Project
	Project (xml) *Compound documents not supported in this format
	Publisher**

Non-Microsoft Office Formats	
	Visio
	Visio (xml) *Currently not recognized by file engine
Office 2002/XP, Office 2000	
	Word
	Excel
	PowerPoin t**
	Publisher
	Project
	Visio
Office 97	
	Word
	Excel

Non-Microsoft Office Formats	
	PowerPoint
	Project

**Detection of embedded files in these file types is limited to the types of files supported for extraction (see above list).

Deduplication

What is Key Generation?

Deduplication technologies do not directly compare file contents. Instead, encryption signatures known as hash values are compared for each file. If the hash values for two different items are identical, the content of the two files is assumed to be identical. Key generation refers to the process of creating an encryption signature for a file so that files can be easily compared. File hashing and metadata hashing are the two primary methods used during import for generating keys.

Currently, the Explore import process generates two output hashes in parallel: MD5 and SHA-1. Additionally, electronic documents have their keys generated depending on their type:

- **E-docs** - The key value is generated using the entire file as the input.
- **E-mail** - The key value is generated using an input value from certain metadata fields. The purpose of using this post-processed metadata is to match the metadata stored within CloudNine™ Explore. Therefore, if the key is regenerated in the future, the value would still match the original. E-mail includes both e-mail messages contained in mail stores and loose e-mail messages. The term "loose e-mail" refers to a file that is identified as a mail item and successfully converted to a mail item by Outlook. These include .msg

files, .eml files, and other RFC822-format e-mails. For Microsoft Outlook PST files, e-mail also includes non-email items — calendar items, contacts, journal entries, notes, and tasks.

See [Metadata Hashing Fields](#) for a specific list of fields used by CloudNine™ Explore for generating hash values for e-mail items.

Deduplication Fields

CloudNine™ Explore stores information regarding deduplication test results and other deduplication-related data in the following exportable fields:

- **DupID** - This field provides a mechanism for grouping duplicate records with their "parent" duplicates. A document determined to be a duplicate via filtering will contain the same DupID field value as all other duplicate records. The parent duplicate stores its own ID in this field.
- **DupCustNames** - Indicates the names of all custodians containing duplicate versions of the original record. Populated for parent records only (HasDuplicate=1 and IsDuplicate=0).
- **DupCustPaths** - Indicates the source path to each duplicate version of the original record. Populated for parent/original records only (HasDuplicate=1 and IsDuplicate=0).
- **DupParentName** - Indicates the custodian name of the original record. Populated for duplicate records only (IsDuplicate=1).
- **DupParentPath** - Indicates the name of the custodian containing the original record. Populated for duplicate records only (IsDuplicate=1).
- **MD5Hash** - Stores the MD5 hash value of the record. If a file is considered to be a duplicate, this value will be equal to the deduplication key.
- **Sha1Hash** - Stores the SHA-1 hash value of the record. If a file is considered to be a duplicate, this value will be equal to the dedup key.



The deduplication fields are not search-able within CloudNine™ Explore.

Deduplication Mode

Deduplication Mode refers to the range of deduplication keys that will be tested to determine the record's duplicate state, depending on the following scopes:

- **Global** - The Global scope will result in the deduplication keys of incoming records being tested against ALL other keys, regardless of how other records were logged.
- **Custodian** - The Custodian scope will result in the deduplication keys of incoming records being tested against all other keys that have the same Custodian value.

In the **New Case Settings** options, you can choose which of these hashing modes is used in the deduplication process. The two modes with custodian in the name use the custodian scope, while the MD5 and SHA1 modes use a Global scope.

- **MD5** - Uses 128-bit string to deduplicate files across all sources.
- **SHA1** - Uses a 160-bit string to deduplicate files across sources.
- **MD5Custodian** - Uses a 128-bit string to deduplicate files within a source.
- **SHA1Custodian** - Uses a 160-bit string to deduplicate files within a source.



Once the first files have been imported into the database, the Deduplication Mode cannot be changed.

Duplicate Actions

The **Action** options are used to limit or exclude the data stored for any records considered to be duplicates. These are adjusted on the **Filters** tab. Options include:

- **(Include)** - Duplicate records are added to the case normally, including the native file, and all associated duplicate fields are set.
- **(Exclude)** - Duplicate records are completely excluded from the case. The record is not added to CloudNine™ LAW and the native file is not copied.

Deduplication for Attachments

Attachments inherit the **DupStatus** of their parent item. This includes all types of attachments, such as e-mail attachments, attachments to an archive file (i.e. zip), and loose e-mail message attachments.

Filtering by File Type

When the **(Partially Exclude) File Type Filter Action and Deduplicating** action is enabled, and **File Type Filtering** is enabled, duplicate checking is executed normally. Records without native files can still be flagged as duplicate parents or children.

The table below lists all fields that CloudNine™ Explore uses to generate hash values for e-mail items in Explore. The fields listed are used in the Legacy template. You can also configure a custom template. For more details on custom hash configuration templates, see [Global Email Hash Configuration Templates](#).

E-mail Metadata Fields Used for Deduplication Keys in CloudNine™ Explore

// Base Email

From

To

Subject

Body

CC

BCC

IntMsgId

AttNames

AttContent

// Elements shared with appointments and tasks

IsPrivate

IsAllDayEvent

E-mail Metadata Fields Used for Deduplication Keys in CloudNine™ Explore

IsRecurring

RecurrencePattern

// Appointment

Organizer

Required

Optional

Location

MeetingStatus

Label

// Journal

JournalType

JournalTypeDescription

// Task

E-mail Metadata Fields Used for Deduplication Keys in CloudNine™ Explore
IsTeamTask
IsCompleted
TaskDelegator
TaskOwner
TaskStatus
// Contact
DisplayName
BusinessAddress
BusinessPhone
BusinessPhone2
HomeAddress
CellularPhone
GovernmentId

E-mail Metadata Fields Used for Deduplication Keys in CloudNine™ Explore

CustomerId
DepartmentName
ManagerName
ContactEmailAddress
ContactEmailAddress2
Company



Due to the different technologies used in CloudNine™ LAW and CloudNine™ Explore, the hash values generated for files in CloudNine™ LAW versus CloudNine™ Explore will not always match.

The table below lists the fields used by CloudNine™ LAW to generate hash values for e-mail, loose e-mail items, and Outlook PST non-email items.

E-mail Metadata Fields Used For Deduplication Keys in CloudNine™ LAW

Base Email

BCC

Body

CC

From

IntMsgID

Email_Subject

To

Attach -- These are first-level attachments in the e-mail. The strings are delimited by semi-colons (;).

- OR -

AttachmentContentHash -- If **Include attachment hashes in e-mail metadata hash** is enabled in the **ED Loader Deduplication** setting, the hashes of the attached files are included in the parent e-

E-mail Metadata Fields Used For Deduplication Keys in CloudNine™ LAW

mail's metadata hash, as opposed to the above Attach field.

Calendars

IsPrivate

IsAllDayEvent

IsRecurring

RecurrencePattern

Organizer

Required

Optional

Location

MeetingStatus

Label

Contacts

E-mail Metadata Fields Used For Deduplication Keys in CloudNine™ LAW

DisplayName

BusinessAddress

BusinessPhone

BusinessPhone2

HomeAddress

CellularPhone

GovernmentID

CustomerID

DepartmentName

ManagerName

ContactEmail

ContactEmail2

Company

E-mail Metadata Fields Used For Deduplication Keys in CloudNine™ LAW	
Journal	
IsPrivate	
IsAllDayEvent	
IsRecurring	
RecurrencePattern	
JournalType	
JournalDesc	
Notes	
NotesBody	
Tasks	
IsPrivate	
IsAllDayEvent	
IsRecurring	

E-mail Metadata Fields Used For Deduplication Keys in CloudNine™ LAW
RecurrencePattern
TeamTask
TaskCompleted
TaskDelegator
TaskOwner
TaskStatus

Near-Duplicate & Email Thread Analysis

Near duplicates are documents that have duplicate content, but are not necessarily exact duplicates of each other. Email threads are email messages belonging to the same email conversation thread. An email thread includes the original email message, all replies to the original message, and any attachments to those messages. In CloudNine™ Explore, you can run the near-duplicate analysis and email thread analysis to identify the near-duplicate documents and email threads within a case. The near-duplicate analysis uses the CloudNine Near Dupe engine with the MinHash algorithm to scale to large CloudNine™ Explore cases. The email thread analysis uses the CloudNine Email Thread engine.

Before you can view near duplicates for a CloudNine™ Explore case, you will need to define the comparison threshold, enable near-duplicate analysis, and then run the near-duplicate analysis in CloudNine™ Explore. Before you can view email

threads for a CloudNine™ Explore case, you will need to enable and run email threading analysis in CloudNine™ Explore.

Once near-duplicate analysis and email thread analysis is enabled and performed in CloudNine™ Explore, you can view the results of the near-duplicate analysis and email thread analysis in CloudNine™ Explore Web. For more information, see the Explore Web [Running Near-Duplicate & Email Thread Analysis](#) topic.



Be aware that to take full advantage of near-duplicate and email thread analysis functionality available from CloudNine products, you must have both CloudNine™ Explore and CloudNine™ Explore Web.



The near-duplicate analysis and email thread analysis can only run on one machine at a time.

In order to use the near-duplicate analysis and email thread analysis utilities in CloudNine™ Explore, you will need the Near-Duplicate/Email Thread license. The Near-Duplicate & Email Thread license is only used by CloudNine™ LAW on an as-needed basis, so the license is only displayed in the LAW Profile Manager (Administration Mode). The license is not displayed in the license list of the LAW Management Console (LMC) or License Information dialog box (Help > About LAW > Licenses).

Near-Duplicate Fields

After running the near-duplicate analysis in CloudNine™ Explore, the following fields are populated with the applicable near-duplicate data for the case's documents, and become available for native and native subset exports in CloudNine™ Explore. For exports, the fields are located under the **Near Duplicate** category in the **Select Export Fields** dialog box. The fields are as follows:

- ND_IsMaster

- ND_Master
- ND_Score



If near-duplicate fields are added to a native export, and the near-duplicate analysis results are out-of-date, the export will generate an error indicating that the near-duplicate analysis needs to be ran before the export can proceed.



If a master document in a set of near-duplicate documents is deleted, all documents assigned to the near-duplicate set are released, and will be reassigned the next time the near-duplicate analysis process runs.

Email Thread Fields

After running the email thread analysis in CloudNine™ Explore, the following fields are populated with the applicable email thread data for the case's documents and are available for native and native subset exports in CloudNine™ Explore. For exports, the fields are located under the Email\Threading category in the Select Export Fields dialog box. The fields are as follows:

- ConversationID
- ConversationIndex
- ConversationTopic
- ET_Inclusive
- ET_InclusiveReason
- ET_Indent
- ET_IsMessage

- ET_Messageld
- ET_ParentId
- ET_ThreadId
- ET_ThreadIndex
- ET_ThreadSize
- ET_ThreadSort



If email thread fields are added to a native export, and the email thread analysis results are out-of-date, the export will generate an error indicating that the email thread analysis needs to be ran before the export can proceed.

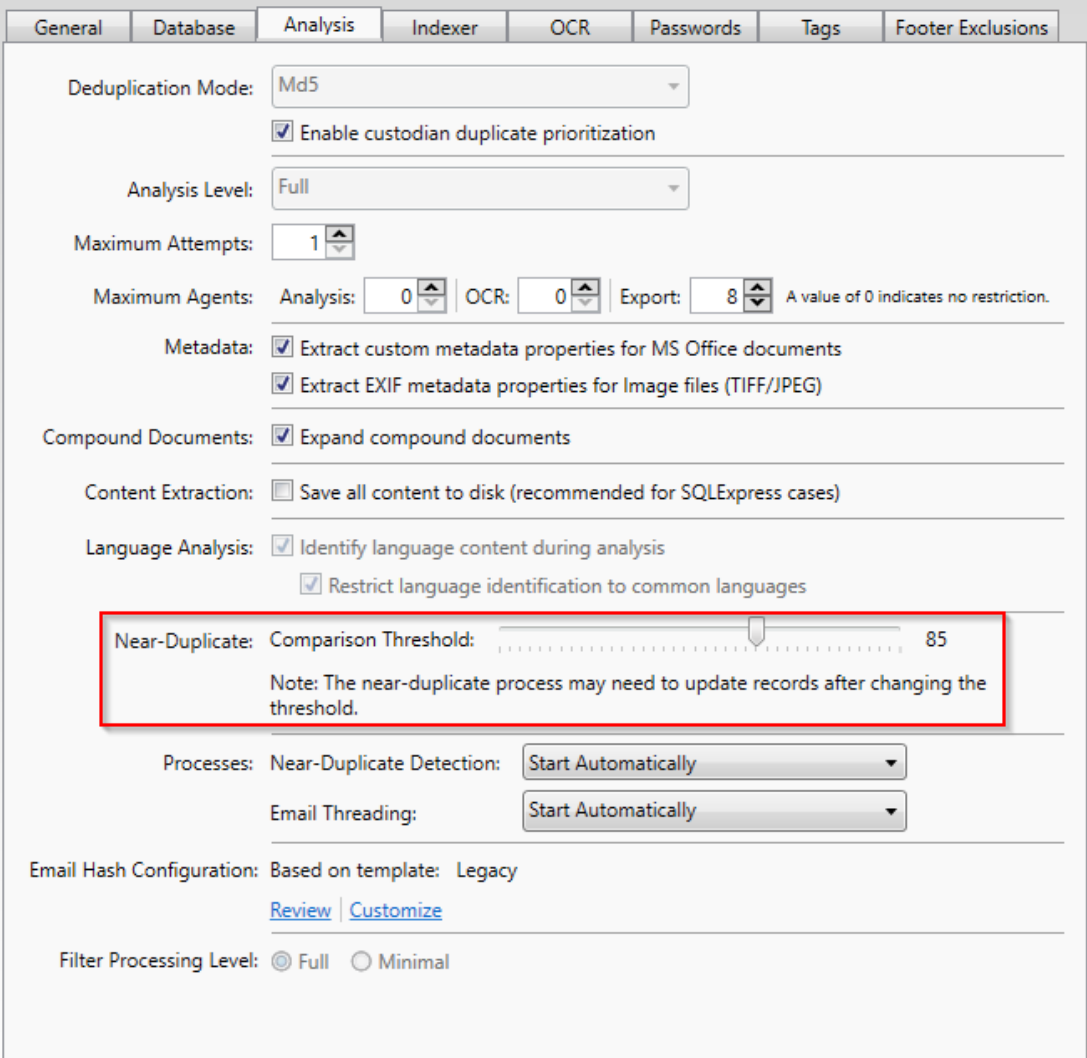
For more information about these and other CloudNine™ Explore fields, see [CloudNine™ Explore Export Field Descriptions](#).

Defining Comparison Threshold for Near-Duplicate Analysis

The **Comparison Threshold** setting in CloudNine™ Explore determines the minimum percentage of similarity to be considered when comparing case files during near-duplicate analysis. The **Comparison Threshold** setting is located on the **Analysis** tab in the **New Case Settings** and **Edit Case Settings** dialog boxes. The **Comparison Threshold** setting defaults to 85, but you can adjust the value to be anywhere between 60 and 99 percent.

If you change the **Comparison Threshold** setting, the near-duplicate analysis will automatically re-run when you save your changes.

1. In the **New Case Settings** or **Edit Case Settings** dialog box, click the **Analysis** tab.
2. In the **Near-Duplicate** section, click and move the **Comparison Threshold** slider to the left or right to change the threshold. Moving the slider to the right increases the threshold, while moving the slider to the left decreases the threshold.



General Database **Analysis** Indexer OCR Passwords Tags Footer Exclusions

Deduplication Mode: Md5

Enable custodian duplicate prioritization

Analysis Level: Full

Maximum Attempts: 1

Maximum Agents: Analysis: 0 | OCR: 0 | Export: 8 A value of 0 indicates no restriction.

Metadata: Extract custom metadata properties for MS Office documents
 Extract EXIF metadata properties for Image files (TIFF/JPEG)

Compound Documents: Expand compound documents

Content Extraction: Save all content to disk (recommended for SQLExpress cases)

Language Analysis: Identify language content during analysis
 Restrict language identification to common languages

Near-Duplicate: Comparison Threshold: 85

Note: The near-duplicate process may need to update records after changing the threshold.

Processes: Near-Duplicate Detection: Start Automatically

Email Threading: Start Automatically

Email Hash Configuration: Based on template: Legacy
[Review](#) | [Customize](#)

Filter Processing Level: Full Minimal

OK Cancel

Excluding Content from Near-Duplicate Analysis

The **Footer Exclusions** tab in the **Edit Case Settings** dialog box is used to exclude repetitive content from email messages and e-documents (such as email footers and email signatures) during near-duplicate analysis. While the **Footer Exclusions** tab is visible in the **New Case Settings** dialog box, content exclusions cannot be added to a case while the case is being created.

On the **Footer Exclusions** tab, you can add multiple sections of content to exclude from the near-duplicate analysis in CloudNine™ Explore. Content added to the **Footer Exclusions** tab is only excluded from the near-duplicate analysis process and does not affect the actual email messages or e-documents, remaining visible in the email message's or e-document's content throughout CloudNine™ Explore and CloudNine™ Explore Web. When you add, modify, or delete content from the **Footer Exclusions** tab, the near-duplicate analysis will automatically re-run when near-duplicate analysis is enabled for the case.

Adding Content to Exclude from Near-Duplicate Analysis

1. In CloudNine™ Explore, click the **Case Manager** tab.
2. Select the case containing the content you want to exclude from near-duplicate analysis, and then click **Edit Selected Case**. The **General** tab in the **Edit Case Settings** dialog displays.
3. Click the **Footer Exclusions** tab.
4. Click **New**.
5. Click in the **Preview** box and then enter the content you would like to exclude from the near-duplicate analysis.
6. Click **Save**. Clicking **Save** adds the content to the list of excluded content in the box above the **Preview** box.

Editing Content Excluded from Near-Duplicate Analysis

1. In the excluded content list box above the **Preview** box, click the content you want to edit. The excluded content for the selected item is displayed in the **Preview** box.
2. In the **Preview** box, edit the excluded content.
3. Click **Save**. If near-duplicate analysis is enabled for the case, the **Footer Exclusions Modified** message displays.
4. Click **Yes** to save your changes and re-run the near-duplicate analysis for the case. Click **No** to save your changes without re-running the near-duplicate analysis for the case.

When you edit excluded content on the Footer Exclusions tab, the content is only edited on the Footer Exclusions tab, it is not edited in the actual content of any email messages or e-documents in the case.

Deleting Excluded Content from Near-Duplicate Analysis

1. In the excluded content list box above the **Preview** box, click the content you want to delete. The excluded content for the selected item is displayed in the **Preview** box.
2. Press the DELETE key. The excluded item is removed from the excluded content list above the **Preview** box.
3. If near-duplicate analysis is enabled for the case, after the excluded item is deleted, the **Footer Exclusions Modified** message displays.
4. Click **Yes** to re-run the near-duplicate analysis for the case. Click **No** if you do not want to re-run the near-duplicate analysis for the case.

When you delete excluded content from the **Footer Exclusions** tab, the content is only deleted from the **Footer Exclusions** tab and is not deleted from the actual content of any email messages or e-documents in the case.

Enabling Near-Duplicate and Email Thread Analysis in Explore



By default, near-duplicate analysis and email thread analysis are disabled in new cases. The **Near-Duplicate Detection** list and **Email Threading** list in the **New Case Settings** dialog box both default to **Disabled by User**.

The **Near-Duplicate Detection** and **Email Threading** settings on the **Analysis** tab in **New Case Settings** and **Edit Case Settings** dialog boxes determines whether near-duplicate analysis and email thread analysis are enabled or disabled for a case. By default, near-duplicate analysis and email thread analysis are disabled for a case. When **Start Automatically** is selected from the **Near-Duplicate Detection** list, near-duplicate analysis is enabled for the case. When **Start Automatically** is selected from the **Email Threading** list, email thread analysis is enabled for the case.

1. Go to the **Analysis** tab of the **Edit Case Settings** or **New Case Settings** dialog.
2. To enable near-duplicate analysis, in the **Near-Duplicate Detection** list, select **Start Automatically**.
3. To enable email thread analysis, in the **Email Threading** list, select **Start Automatically**.
4. Click **OK** to save your changes and close the **Edit Case Settings** or **New Case Settings** dialog.

The screenshot shows the 'Analysis' tab of the 'Edit Case Settings' dialog box. The 'Near-Duplicate' section is highlighted with a red box, showing the following settings:

- Processes: Near-Duplicate Detection: Start Automatically
- Email Threading: Start Automatically

Other settings visible in the dialog include:

- Deduplication Mode: Md5
- Enable custodian duplicate prioritization:
- Analysis Level: Full
- Maximum Attempts: 1
- Maximum Agents: Analysis: 0, OCR: 0, Export: 8
- Metadata: Extract custom metadata properties for MS Office documents, Extract EXIF metadata properties for Image files (TIFF/JPEG)
- Compound Documents: Expand compound documents
- Content Extraction: Save all content to disk (recommended for SQLExpress cases)
- Language Analysis: Identify language content during analysis, Restrict language identification to common languages
- Near-Duplicate: Comparison Threshold: 85
- Email Hash Configuration: Based on template: Legacy
- Filter Processing Level: Full, Minimal

If you enabled near-duplicate analysis, near-duplicate analysis will start automatically after clicking **OK** if CloudNine™ Explore detects near-duplicate analysis has never been run on the case or if there are changes to the case's data since the last time the analysis was ran (such as the import of additional documents, deletion of case documents, or changes to the **Comparison Threshold** setting or **Footer Exclusions** tab in the **Edit Case Settings** dialog box).

If you enabled email thread analysis, email thread analysis will start automatically after clicking **OK** if CloudNine™ Explore detects email thread analysis has never been run on the case or if there are changes to the case's data since the last time

the analysis was ran (such as the import of additional documents or deletion of case documents).

Disabling Near-Duplicate and Email Thread Analysis in Explore

The **Near-Duplicate Detection** and **Email Threading** settings on **Analysis** tab in the **New Case Settings** and **Edit Case Settings** dialog boxes determine whether near-duplicate analysis and email thread analysis are enabled or disabled for the case. By default, near-duplicate analysis and email thread analysis are disabled for a case. When **Disabled by User** is selected from the **Near-Duplicate Detection** list, near-duplicate analysis is disabled for the case. When **Disabled by User** is selected from the **Email Threading** list, email thread analysis is disabled for the case.

1. Go to the **Analysis** tab of the **Edit Case Settings** or **New Case Settings** dialog.
2. To disable near-duplicate analysis, in the **Near-Duplicate Detection** list, select **Disabled by User**.
3. To disable email thread analysis, in the **Email Threading** list, select **Disabled by User**.
4. Click **OK** to save your changes and close the **Edit Case Settings** or **New Case Settings** dialog.

If you disabled near-duplicate analysis, any near-duplicate analysis processes currently running will automatically stop once you click **OK**.

If you disabled email thread analysis, any email thread analysis processes currently running will automatically stop once you click **OK**.

Tagging

With the tagging feature in CloudNine™ Explore, tags can be applied to documents to help track, sort, and organize the documents in a case. For example, tags can be applied to documents that need to be converted to TIFF or PDF, produced to paper, or responsive documents. Users may even wish to tag documents that should be produced at a larger paper size or produced in color. This feature makes it easier for any project (scanned or electronic discovery) to be produced.

There are three types of tagging in CloudNine™ Explore:

- **Individual tagging**

- Document-level tags are manually applied to individual documents from the **Document Tagging** section at the bottom of the document details pane on the **Filters**, **OCR**, **Search**, **Export** and **Exceptions** tabs in CloudNine™ Explore.

- **Group tagging**

- Group-level tags are applied to documents based on the group the documents belong to, such as a search query or exception category. With group tagging, the group tag is applied to all documents currently in the group. For example, if you apply a group tag to a search query, the group tag is applied to all documents currently returned in the search results once the tag is applied. If documents are added to the case causing a change in search results, the group tag is automatically applied to any new documents. Group tags are applied from the **Group Tagging** dialog box on the **Search** and **Exceptions** tabs.

- **Edald tagging**

- Document-level tags are applied to documents based on the Edald field value assigned to a document. Edald tagging allows you to quickly apply a tag to a large number of documents at one time.
- Edald tagging can be useful if documents are exported from CloudNine™ Explore to be processed in another tool, or when processing documents that require a specific tag to be applied. With Edald tagging, you can import a line-delimited list of the Edald field values for the documents you want to tag. Tags are applied by Edald field in the **Tag Imported IDs** dialog box.

Tags are added to a case, maintained, and exported on the **Tags** tab in the **New Case Settings** and **Edit Case Settings** dialog boxes. For more information, see [Applying Tags](#).

Applying Tags to Individual Documents

1. Click the **Case Manager** tab.
2. Double-click a case.
3. Click the **Filters, OCR, Search, Export, or Exceptions** tab.
4. Display a list of documents by selecting a filter, OCR file type, search query, export setting, or exception category on the tab.
5. In the document list, click the document to which you want to apply tags.
6. Click the down arrow in the **Document Tagging** section.
7. Select the check box next to the tags you want to apply to the document. When a tag check box is selected, the tag has been applied to the individual document. When a tag check box is not selected, the tag has not been applied to the individual document.
 - i. If you need to delete or add additional tags, click the **Edit Tags** link in the **Document Tagging** section to open the **Tags** tab in the **Edit Case Settings** dialog box. For more information, see the "Add tags for the case" section in the [Cases in CloudNine™ Explore](#) topic.

Applying Tags by Search Query

1. Click the **Case Manager** tab.
2. Double-click a case.

3. Click the **Search** tab.
4. On the **Search** tab, select the check box next to the search query containing the records to which you want to apply tags. For more information about search queries, see [Searching](#).
5. Click the **Tag** button. The **Group Tagging** dialog opens.
6. Select the check box next to the tag you want to apply to all documents in the search query.
 - i. If you need to delete or add additional tags, click the **Edit Tags** link in the **Group Tagging** dialog box to open the **Tags** tab in the **Edit Case Settings** dialog box. For more information, see the "Add tags for the case" section in the [Cases in CloudNine™ Explore](#) topic.
7. Close the **Group Tagging** dialog box.
 - i. When a tag has been applied by search query, the blue tag icon is displayed next to the search query in the **Tag** column, and the corresponding tag check box in the **Document Tagging** section is selected for each record in the group of records.
 - ii. If additional records are imported into the case and some of the new records are returned in the tagged search query results, the tag is automatically applied to those documents.

Applying Tags by Exception Category

1. Click the **Case Manager** tab.
2. Double-click a case.
3. Click the **Exceptions** tab.
4. Make sure **All** is selected in the **Filter By** list.

5. Select the check box next to the exception category containing the documents to which you want to apply tags. For more information about exceptions, see [Reviewing Exceptions](#).
6. Selecting the check box opens the **Group Tagging** dialog.
7. Select the check box next to the tag you want to apply to all documents in the exception category.
 - i. If you need to delete or add additional tags, click the **Edit Tags** link in the **Group Tagging** dialog box to open the **Tags** tab in the **Edit Case Settings** dialog box. For more information, see the "Add tags for the case" section in the [Cases in CloudNine™ Explore](#) topic.
8. Close the **Group Tagging** dialog box.
 - i. When a tag has been applied by exception category, the blue tag icon is displayed next to the exception category in the **Tag** column, and the corresponding tag check box in the **Document Tagging** section is selected for each document in the group of documents.
 - ii. If additional documents are imported into the case and some of the new documents are returned in the tagged exception category results, the tag is automatically applied to those documents.


Applying Tags by Edald

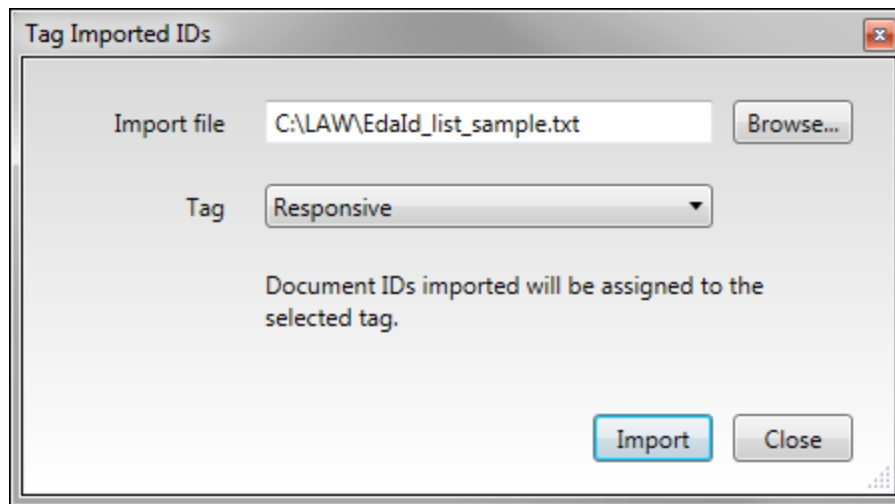
Every document imported into a case in CloudNine™ Explore is assigned a unique value in the case's Edald field. When documents are exported from CloudNine™ Explore using the native export, the export includes the Edald field value for each document exported from CloudNine™ Explore by default. If you plan on tagging documents by Edald, make sure the Edald field is included in the fields to export.

When applying tags by Edald, you can only apply one tag to a list of Edalds at one time. If you want to apply multiple tags to the same list of Edalds, you can import the same Edald list multiple times, selecting a different tag each time. If a tag has already been applied to a document in the Edald list, the existing tag will continue to be assigned to the document, and the new tag applied using Edald tagging will

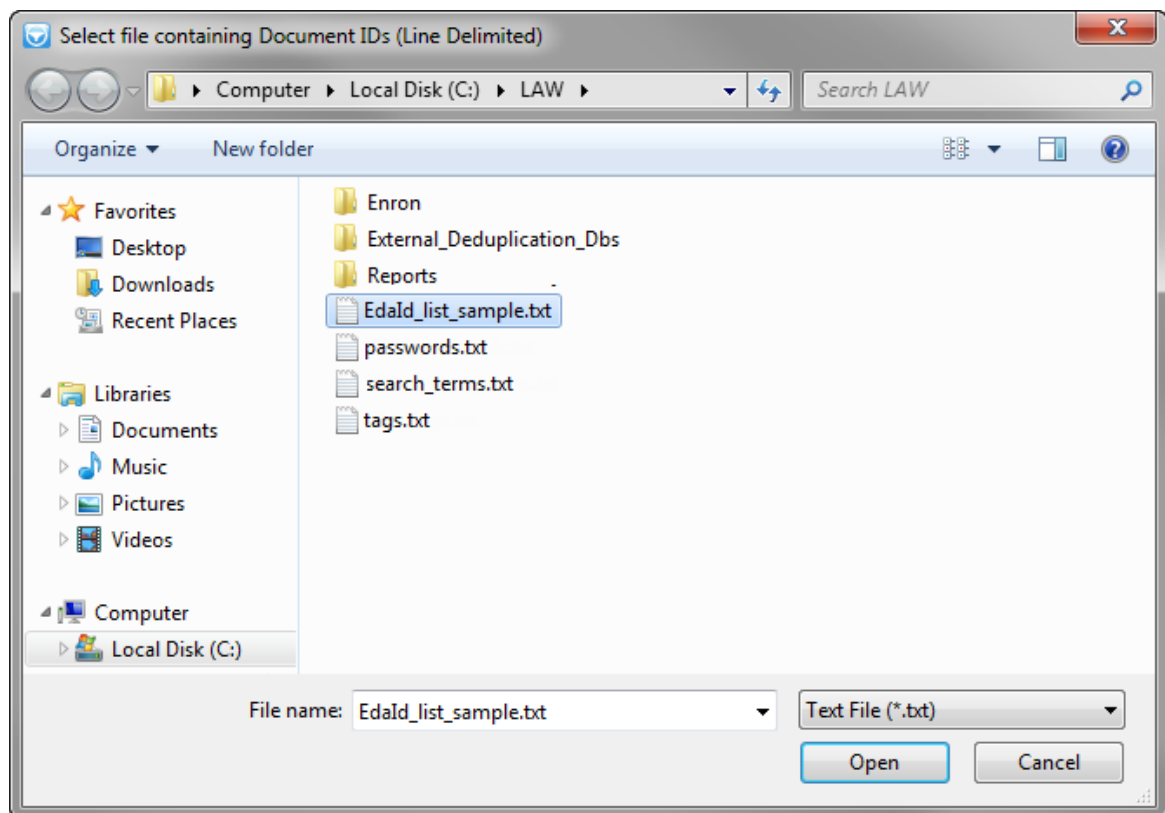
also be assigned to the document. For example, if the Privileged tag is applied to a document, and the document is included in the Edald list being imported with the Responsive tag selected, after the Edald list import, the document will have existing Privileged tag and the Responsive tag applied to it.

Tags applied using Edald tagging are applied as individual document-level tags. If you need to remove a tag that was applied using Edald tagging, the tag can be removed from a document in the Document Tagging section on the **Filters, OCR, Search, Export, or Exceptions** tab. For more information, see [Removing Tags](#).

1. Create a line-delimited text file containing the Edald field value for every document to which you want to apply a specific tag.
 - i. The line-delimited text file can contain up to 50,000 Edald field values.
 - ii. Duplicate Edald field values are not allowed in the .txt file. If the import encounters a duplicate Edald field value in the text file, it will only import one instance of the Edald field value.
2. Make sure the tag you want to apply to the Edald field values exists in the CloudNine™ Explore case.
3. In CloudNine™ Explore, click the **Case Manager** tab.
4. Double-click the case containing the documents you want to tag.
5. Click the **Search** tab.
6. In the **Search Request** pane, click the **Tag Imported IDs** button, 
 - i. Clicking the **Tag Imported IDs** button opens the **Tag Imported IDs** dialog.



7. Click the **Browse** button next to the **Import file** field.
 - i. Clicking the **Browse** button opens the **Select file containing Document IDs (Line Delimited)** dialog.



8. Navigate to and click the line-delimited text file containing the Edald field values you want to tag.

9. Click the **Open** button.
 - i. Clicking the **Open** button closes the **Select file containing Document IDs (Line Delimited)** dialog box, and adds the text file name and path to the **Import file** field.
10. In the **Tag** list, click the tag you want to apply to the documents containing the Edald field values.
11. Click the **Import** button. Clicking the **Import** button assigns the selected tag to each document associated with a valid Edald field value in the line-delimited text file. When the import is complete, the *"Document IDs tagging import complete, [number of documents] documents were tagged"* message is displayed. If there were duplicate or invalid Edald field values in the line-delimited text file, the message also includes the number of duplicate and invalid IDs that were identified and not tagged.
12. Click **OK** to close the message.
 - i. For each document in the case with a valid Edald field value in the imported text file, you can view the tag assignment in the **Document Tagging** section on the **Filters, OCR, Search, Export, and Exceptions** tabs.

Removing Tags from Individual Documents

1. Click the **Case Manager** tab.
2. Double-click a case.
3. Click the **Filters, OCR, Search, Export, or Exceptions** tab.
4. Display a list of documents by selecting a filter, OCR file type, search query, export setting, or exception category on the tab.
5. In the document list, click the document for which you want to remove tags.
6. Click the down arrow in the **Document Tagging** section.

7. Clear the check box next to the tags you want removed from that document.



If the same tag was applied to a document individually in the **Document Tagging** section and as part of a group of documents in the **Group Tagging** dialog box, when the tag is removed from the document in the **Document Tagging** section, both the group and individual tag are removed from the document.

Removing Group Tags from Documents

1. Click the **Case Manager** tab.
2. Double-click a case.
3. Do one of the following:
 - If you are removing a group tag from a filter, click the **Filters** tab and then click the group tag icon next to the filter containing the group tag you want to remove.
 - If you are removing a group tag from a search query, click the appropriate search query under the **Search** tab, and then click the blue **Tag** button.
 - If you are removing a group tag from an exception category, click the **Exceptions** tab and then click the group tag icon next to the exception category containing the group tag you want to remove.
4. In the **Group Tagging** dialog box, clear the check box next to the tag you want to remove from the documents.
5. Close the **Group Tagging** dialog box.
 - i. When you remove a group tag, the tag and the group tag icon are removed from the **Filters**, **Search**, or **Exceptions** tab, and the corresponding tag check box in the **Document Tagging** section is cleared for each document in the group of documents.

If the same tag was applied to a document individually in the **Document Tagging** section and as part of a group of documents in the **Group Tagging** dialog box, when the group tag is removed from the group of documents in the **Group Tagging** dialog box, the individual tag will continue to be applied to the document in the **Document Tagging** section.



For example, if **Tag 1** was originally applied to a document in the **Document Tagging** section, and then **Tag 1** was applied to the same document as part of a group of documents in the **Group Tagging** dialog box, when the group tag is removed from the documents in the **Group Tagging** dialog box, the **Tag 1** check box will continue to be selected for the document in the **Document Tagging** section. The document now only has **Tag 1** applied to the document as an individual tag instead of both an individual and group tag.

Once a document-level tag has been applied or removed from a document, the document-level tag will no longer be affected by the group tag version of the same name. This tag can only be applied or removed from the tag individually in the **Document Tagging** section.

Sample Scenario 1:



1. The Privilege tag is applied to a group of documents from the **Group Tagging** dialog box.
2. You determine one of the documents (Document A) in the group is not really privileged, so you remove the Privilege tag from the Document A in the **Document Tagging** section.
3. Later, the Privilege tag is applied to another group of documents containing Document A.

Results: The Privilege tag is not applied to Document A.

Sample Scenario 2:

1. The Privilege tag is applied to an individual document (Document B) from the **Document Tagging** section.
2. The Privilege tag is then applied to a group of documents containing Document B from the **Group Tagging** dialog box.
3. Later, you determine the group of documents is really not privileged, so you removed the Privilege group tag from the **Group Tagging** dialog box.

Results: The Privilege tag is not removed from Document B.

Filtering

Filtering refers to the ability of CloudNine™ Explore to selectively remove files from the result set. The remaining subset of documents are those from the original source content that have the highest likelihood of being relevant to the case. The filtered subset can then be exported to CloudNine™ LAW or a native export.

Documents are only filtered if they unambiguously meet the criteria you specify. For example, if you apply a date range filter and CloudNine™ Explore finds a file that does not contain any date metadata, the file will not be filtered.



Filter results do not include mail store files, such as .pst and .nsf files, archive files, such as .zip files, or forensic images, such as .E01 or DD/RAW files.

CloudNine™ Explore provides the following types of filters:

- **File Hash** - Filters by NIST (National Institute of Standards and Technology) items and/or from a custom list of file hash items. Removes file types unlikely to contain relevant content, such as system files or documentation installed with software.

- **Duplicate Document** - Removes duplicate files.
- **Date Range** - Evaluates the sent date for e-mail messages, and start/end dates for calendar items. E-mails are filtered if the sent date falls outside the range of dates you specify. Calendar items are filtered if both the start and end dates fall outside the dates you specific. Items with missing or ambiguous date metadata are not filtered.
- **File Type** - Removes all but the specified file types. A file type list is generated based on analysis of the source files. You can select which file types should bypass filtering. File types are identified by CloudNine™ Explore using the same software library used by other CloudNine™ LAW tools.
- **E-mail Sender Domain** - Evaluates the domain that an e-mail was sent from. Domains other than those you specify are filtered.
- **Language** - Removes all files that don't contain the specified languages. A language list is generated based on analysis of the source files. You can select which languages should bypass filtering. For more information about supported languages, see [Languages](#).

Within a top-level case tab in CloudNine™ Explore, you can access filter information by selecting the **Filters** sub-tab. The Case Filters display in three panes from left to right: **Filters**, **Document List**, and **Document Details**.

The **Filters** tab is automatically refreshed every five minutes, regardless of changes to the filter definitions.

The screenshot displays the CloudNine Explore Answer Center interface. On the left is the **Filters Pane**, which includes a 'Total Effect of Filters' summary table and a 'Date Range Filter' table. The main area shows a list of documents with columns for document name, family, count, and size. On the right is a document preview pane showing metadata and the content of a selected document.

Total Effect of Filters

	Count	Family Count	Size (GB)
Included:	3,320	4,950	0.1
Excluded:	4,249	7,157	0.1
Total:	7,569	12,107	0.2

Date Range Filter

Start Date (Earliest)	End Date (Latest)	Count	Family Count	Size (MB)	Tags
9/7/2000	2/8/2001	272	287	9.0	X
3/12/2001	5/28/2001	1,612	2,264	45.1	X
8/25/2001	12/19/2001	1,206	2,169	65.5	X

Document List

Document Name	Family	Count	Size (KB)
75th Anniversary Reception @ JLH	Susan Bailey	1	2.60 KB
Meeting @ Coleridge -- Alice	Susan Bailey	1	2.59 KB
Meeting @ Coleridge -- Alice	Susan Bailey	1	2.58 KB
Agua-Linda	Susan Bailey	1	2.49 KB
Agua-Linda	Susan Bailey	1	2.47 KB
Legal/Credit Meeting - EB38C2	Taffy Milligan	1	2.64 KB
Legal/Credit Meeting - EB38C22	Taffy Milligan	1	2.63 KB
Legal/Credit Meeting - EB38C2	Taffy Milligan	1	2.62 KB
Legal/Credit Meeting - EB38C22	Taffy Milligan	1	2.64 KB
Chanel fitting	Susan Bailey	1	2.51 KB
Chanel fitting	Susan Bailey	1	2.50 KB
Len	Susan Bailey	1	2.43 KB
Len	Susan Bailey	1	2.45 KB
Confirms Meeting (EB38C2)	Susan Bailey	1	2.56 KB

Document Preview

Launch Source Document

Custodian: Bailey, Susan

File Type: MS Outlook Message

Mail Store: C:\LAW\Enron Demo Set files\Bailey, Susan\zl_bailey-s_00...

Size: 2.63 KB

From: Taffy Milligan

Sent: 01/30/2001 2:00 PM (UTC)

Subject: Legal/Credit Meeting - EB38C22

 EDRM Enron Email Data Set has been produced in EML, PST and NSF format by ZL Technologies, Inc. This Data Set is licensed under a Creative Commons Attribution 3.0 United States License
 <http://creativecommons.org/licenses/by/3.0/us/> . To provide attribution, please cite to "ZL Technologies, Inc. (http://www.zlb.com)."

Document Tagging

Filters Pane

The **Filters Pane** (left) is used to define filter settings for the case. Select a filter type from the green drop-down, and the display will update to reflect the details for that filter. The tab at the bottom of the Filters Pane also updates to reflect the currently selected filter from left to right.



The available filters are as follows:

- [File Hash Filter](#)
- [Duplicate Document Filter](#)
- [Date Range Filter](#)
- [File Type Filter](#)
- [E-mail Sender Domain Filter](#)

- [Language Filter](#)

Total Effect of Filters Section

The **Included**, **Excluded**, and **Total** fields are displayed at the top of the **Filters** pane regardless of the filter type selected from the filter type list. The **Included** field indicates the total number of files included in the filter results for the case. The **Excluded** field indicates the total number files excluded from the filter results for the case. The **Total** field indicates the total number of files currently in the case. The **Included**, **Excluded**, and **Total** fields are divided into three categories: **Count**, **Family Count**, and **Size**. The **Count**, **Family Count**, and **Size** values reflect the actual count, family count, and size of the discoverable data in a case. This includes all loose files, e-mail messages, and Microsoft Office documents, but excludes all archive, mail store, and forensic image files.

- **Count** column - Displays the total number of top-level files. Top-level files include loose files and parent files, such as e-mail messages.
- **Family Count** column - Displays the total number of top-level files along with any attachments or child files.
- **Size** column - Displays the total size of the documents in gigabytes (GB). The total size is the sum of all the documents file sizes and is calculated using the family size. When a parent document contains attachments, the attachments are not included in the file size calculation because the parent document file size already reflects the file size of its attachments. This prevents doubling the actual file size of attachments.

Effect of Filters for Selected Filter Type Section

The **Included**, **Excluded**, and **Total** fields, as well as the **Count**, **Family Count**, and **Size** (GB) columns are also displayed at the bottom of the **Filters** pane for all filter types (except the **File Hash Filter** and the **Duplicate Document Filter**). The

values displayed at the bottom of the **Filters** pane are specific to the filter type currently selected.

The **Included** field indicates the total number of files included in the filter results for the selected filter type. The **Excluded** field indicates the total number files excluded from the filter results for the selected filter type. The **Total** field indicates the total number of files currently in the selected filter type. The **Included**, **Excluded**, and **Total** fields are divided into three categories: **Count**, **Family Count**, and **Size**. The **Count**, **Family Count**, and **Size** values reflect the actual count, family count, and size of the discoverable data for the selected filter type. The **Count**, **Family Count**, and **Size** values include all loose files, e-mail messages, and Microsoft Office documents, but exclude all archive, mail store, and forensic image files.

- **Count** column - Displays the total number of top-level files for the selected filter type. Top-level files include loose files and parent files, such as e-mail messages.
- **Family Count** column - Displays the total number of top-level files along with any attachments or child files for the selected filter type.
- **Size** column - Displays the total size of the documents in gigabytes (GB). The total size is the sum of all the document file sizes and is calculated using family size. When a parent document contains attachments, the attachments are not included in the file size calculation because the parent document file size already reflects the file size of its attachments. This prevents doubling the actual file size of attachments.

File Type List

The file type list determines which filter is displayed in the **Filters** pane. It does not determine which filters are applied to the case. The filter check boxes in the filter list determine which filters are applied to the case documents.

Show List

The **Show List** is only available for the **File Type Filter**, **E-mail Sender Domain Filter**, and the **Language Filter**. The **Show list** determines which filters are displayed in the filter list for the selected filter type, based on the filter decision made for each filter. The Show list does not affect whether a filter is included or excluded from the filter results. Only the **Inc.** and **Exc.** check boxes in the filter list determine whether a specific filter is included or excluded from the filter results. If the filter list is long, the **Show list** can help you quickly view which file types have been included, excluded, or are still designated at "Not Decided". By default, the **Show list** is set to **All**.

The **Show list** contains four selections:

- **All** - All filters are displayed regardless of whether or not the **Inc.** or **Exc.** check-boxes are selected for each filter.
- **Not Decided** - Only filters without the **Inc.** or **Exc.** check-boxes selected are displayed.
- **Included** - Only filters with the **Inc.** check box selected are displayed.
- **Excluded** - Only filters with the **Exc.** check box selected are displayed.

Default Filters Link

The **Default Filters** link opens the **Set Standard File Type Filter Inclusions and Exclusions** dialog box. The **Set Standard File Type Filter Inclusions and Exclusions** dialog box is used to define and apply the default file type inclusions and exclusions for the **File Type Filter**. The default **File Type Filter** inclusions and exclusions can be applied to both new cases and existing cases in CloudNine™ Explore. For more information, see [File Type Filter](#).

Filter List

The **Filter list** displays the filters available for the selected filter type. The check boxes next to each filter in the **Filter list** determines whether the filter is applied to the case documents.

The **Filter list** contains six columns, with the exception of the **Date Range Filter**, which has seven columns.

Filter List Columns	
Column	Description
Inc.	<p>Inc. stands for Include. When the Inc. check box is selected for a filter, the filter is included in the filter results.</p> <p>To select all Inc. check boxes, select the Inc. check box in the header. To clear all check boxes, clear the Inc. check box in the header.</p> <p>When both the Inc. and Exc. check boxes are deselected for a filter, the filter is automatically</p>

Filter List Columns	
	included in the filter results, but the filter is designated as " Not Decided ".
Exc.	<p>Exc. stands for Exclude. When the Exc. check box is selected for a filter, the filter is excluded from the filter results.</p> <p>To select all Exc. check boxes, select the Exc. check box in the header. To clear all check boxes, clear the Exc. check box in the header.</p> <p>When both the Inc. and Exc. check boxes are deselected for a filter, the filter is automatically included in the filter results, but the filter is</p>

Filter List Columns	
	designated as "Not Decided" .
<div style="text-align: center; margin-bottom: 5px;"><input checked="" type="checkbox"/></div> (Date Range Filter only)	<p>The check box column next to the Start Date column determines which date range filters in the filter list are applied to the case documents. When a check box is selected, the filter is applied to the case documents.</p> <p>When the check box is not selected, the Date Range Filter is excluded from the filter results.</p>
Name	Name of the filter.
Start Date (Earliest) (Date Range Filter only)	Start date for the Date Range Filter .

Filter List Columns	
End Date (Latest) (Date Range Filter only)	End date for the Date Range Filter .
Count	The number of top-level case documents returned for the filter results.
Family Count	The number of top-level case documents and attachments returned for the filter results.
Size (MB)	The sum of all document file sizes in megabytes. The Size MB value is calculated using family size. When a parent document contains attachments, the attachments are not included in the file size calculation because the

Filter List Columns	
	parent document file size already reflects the file size of its attachments. This prevents doubling the actual file size of attachments.
Tags	A check box or tag icon is displayed in this column. If group tags are applied to the filter, the tag icon is displayed. If no group tags are assigned to the filter, the check box is displayed. Click the check box or tag icon in the Tags column to view, add, or remove group tags.

Sorting Data in the Filter List

In the **Filter list**, you can sort the data by a specific column in ascending or descending order. To sort the filter list by a column, click the column header name. When you click the column header name, the filter list is sorted by the selected column. After clicking the column header, a small arrow up or down is displayed in the column by which the table data is currently sorted, and the direction of the arrow indicates whether the data is sorted in ascending or descending order. The up arrow indicates ascending order and the down arrow indicates descending order. To change the column used for data sorting, click the column header for the column you want to use. To change the sort order, click the column header again.

Tagging from the Filters Pane

Tags are applied and maintained for groups of documents in the **Filters pane** by clicking the check box or tag icon for a filter in the **Tags** column of the filter list. Clicking the check box or tag icon opens the **Group Tagging** tab in the **Group Tagging** dialog box. For more information, see [Tagging](#).

Refreshing the Filter Results

The **Filters** tab automatically refreshes when you select a different filter or navigate away from the **Filters** tab. If you change the filter settings on the **Filters** tab, or documents are currently being added or removed from the case while you are viewing the **Filter** tab, you can manually refresh the **Filters** tab by clicking the Refresh button in the upper right corner of the **Filters Pane** to view the latest filter results.

Document List

The **Document List** (middle) is used to view the filter results for a selected filter. Select a filter from the **Filter list** in the left pane and the **Document List** will update to display a list of files that match the filter.


Viewing the Family


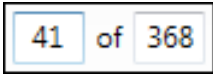
When there are attachment or embedded files associated with an email message, the paper clip icon is displayed next to the file name, and a down arrow is displayed to the left of the **From** field for that file in the **Document List**. If the file is an attachment or embedded file, a paperclip is not displayed on the file type icon, but the down arrow is still displayed under the file type icon. Click the down arrow to view the attachment or embedded file details. You can click an attachment or embedded file name in the **Document List** to view the file's information in the **Document Details Pane**. To collapse the attachment or embedded file details, click the up arrow.



Navigating in the Document List

The navigation bar at the bottom of the **Document List** displays the current page number and the total number of pages of filter results for the selected filter.



Navigation Bar Key		
Feature	Name	Description
	First	Navigate to the

Navigation Bar Key		
	page button	first page of the search results.
	Previous page button	Navigate to the previous page of the search results.
	Page of field	Indicates the page number of the currently displayed page. You can navigate directly to a page in the filter results by typing the page number in the field and then clicking

Navigation Bar Key		
		outside of the field.
	Next page button	Navigate to the next page of the search results.
	Last page button	Navigate to the last page of the search results
Docs/Page <input type="text" value="20"/>	Docs/Page list	Determines how many documents are displayed per page

Document Details Pane

The **Document Details Pane** (right) is used to view the file details for a specific file. If you select a specific document in the center **Document List**, the **Document**

Details Pane is updated to display text extracted from the file along with the file metadata.

Opening the Native File

The native file corresponding to the currently selected document can be opened by clicking the **Launch Source Document** link at the top of the **Document Details Pane**. Clicking the **Launch Source Document** link opens the native file in its native application.

Truncated Text

If the extracted text exceeds the extracted text limit for the **Document Details Pane**, the "*Document text truncated due to length. Click to launch full text link*" message is displayed at the bottom of the **Document Details Pane**. Clicking the link displays all of the file's extracted text in a text editor.

Tagging from the Document List Pane

Tags are applied and maintained for individual documents in the **Document Details Pane** within the **Document Tagging** section. For more information, see [Tagging](#).

The **File Hash filter** allows you to specify files to be filtered from a case based on the hash value of each file. Files are filtered when matching either of the following conditions:

- The file is identified in the NIST Items filter.
- The file matches a custom file hash value, as specified by using the **Custom File Hash Items** filter.

Before case files can be filtered by the NIST Items filter, a NIST database must be downloaded to the same machine where CloudNine™ Explore is installed, and a NIST database must be attached to a case in CloudNine™ Explore. If a NIST

database has not been downloaded and attached to a case, a warning icon is displayed in the NIST items row next to **Edit**. For more information about downloading and attaching a NIST database, see [NIST Configuration](#).

Before case files can be filtered by the **Custom File Hash Items** filter, the custom file hash value list must be created for or imported into the case. Once a custom file hash value list has been created for a case, it can be exported to a .lst file and imported into other cases. For more information about working with custom file hash value lists including creating, importing and exporting them, see the sections below.

Configuring File Hash Filtering

1. Click the **Case Manager** tab.
2. Double-click a case.
3. Click the **Filters** tab.
4. Select **File Hash Filter** from the drop-down if it is not already visible. By default, the **Inc.** check boxes for the **NIST Items** and **Custom File Hash Items** filters are selected.
5. Select the **Inc.** check box to allow **NIST items** to be included in the filter results, or select the **Exc.** check box to exclude **NIST items** from the filter results.
6. Select the **Inc.** check box to allow **Custom File Hash** Items to be included in the filter results, or select the **Exc.** check box to exclude **Custom File Hash Items** from the filter results.
7. Optionally, if your case has files that will be impacted by the **NIST Items** or **Custom File Hash Items** filters, you can click on that row in the left hand pane to view the files associated with the filter in the center panel.



If a NIST database is not attached to the case, then the **NIST Items** filter will not function.

If a custom file hash value list has not been created or imported into the case, the **Custom File Hash** Items filter will not function.

Running the DeNIST Process

If you have a NIST database configured in your environment, and you have selected **Inc.** for **NIST Items**, you can initiate a DeNIST process.

1. Click **Run** next to **NIST Items**.
2. A **Run DeNIST** confirmation prompt displays. Select **Yes**.
3. A **DeNIST Started** confirmation message will display and the DeNIST will run as soon as possible. Click **OK** to close the confirmation.

Managing Custom File Hash Lists

You can create a custom file hash value list by doing either of the following:

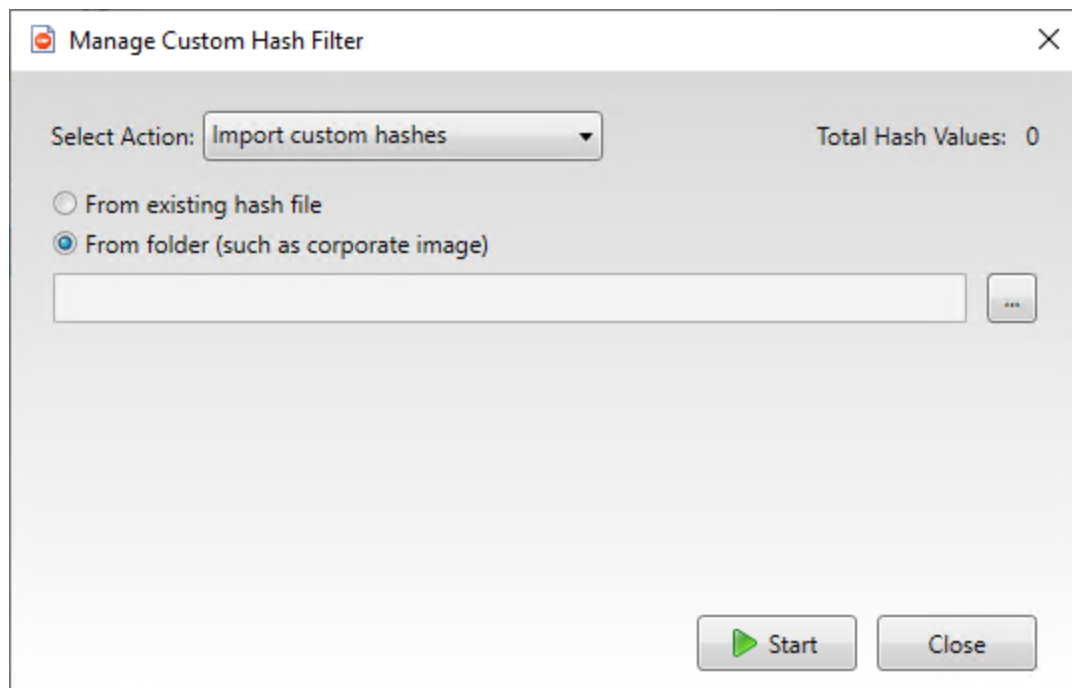
- Import SHA-1 hash values from a folder directory.
- Import an existing list file.

After a custom file hash value list is created for a case, the list can be exported from the case to a new list file. These list files carry the .lst file extension. The exported list file can be imported into other cases. If a list is modified after files are imported into a case, the hash values in the list can be refreshed by using the **Re-identify hash matches** feature.

Creating a Custom File Hash

When you create a new custom file hash value list for a case, you can import SHA-1 hash values from one or more folder directories and their sub-directories that contain the file types you want to include in the list. If you import more than one folder directory into the list, and there are duplicate hash values, the import will automatically ignore any duplicate values.

1. Click the **Case Manager** tab.
2. Double-click a case.
3. Click the **Filters** tab.
4. Select **File Hash Filter** from the drop-down if it is not already visible.
5. Click the **Edit** link next to the **Custom File Hash Items** filter. The **Manage Custom Hash Filter** dialog opens.



6. Keep the default **Import custom hashes** selected in the **Select Action** list and the **From folder** option selected.
7. Click the ellipsis button. The **Browse for Folder** dialog opens.
8. Browse to and select the folder containing items to include in the custom hash filter as excluded items.



When importing hash items from a folder, make sure the path to folder does not exceed Microsoft Windows path limitations. If the path exceeds the Microsoft Windows path limitations, the hash values in the folder will not be imported into CloudNine™ Explore.

9. Click **OK**. The **Browse for Folder** dialog box closes and adds the selected folder to the **Manage Custom Hash Filter** dialog.
10. Click the **Start** button. The **Generate Hashes From Folder** dialog displays to confirm you want to generate file hashes from the contents of the folder specified.
11. Click **Yes**. The import starts. The hash values for all the file types specified in the folder and its sub-folders are imported into the case's custom file hash list. When the import is completed, the total number of hash values and other import statistics are displayed in the **Manage Custom Hash Filter** dialog. You can Close this dialog to return to the **Case Manager Filters** tab.

Importing a Custom File Hash List

An existing custom file hash value list can be imported into a case to become the case's custom file hash value list, or to add additional hash values to the case's existing custom file hash value list. If the imported custom file hash value list contains duplicate SHA-1 hash values, the duplicate values will be ignored. When you import custom file hash value lists into a case, the hash values are appended to the case's existing list, the imported list does not overwrite the case's existing list.

1. Click the **Case Manager** tab.
2. Double-click a case.
3. Click the **Filters** tab.
4. Select **File Hash Filter** from the drop-down if it is not already visible.
5. Click the **Edit** link next to the **Custom File Hash Items** filter. The **Manage Custom Hash Filter** dialog opens.

6. Keep the default **Import custom hashes** selected. Click the **From existing hash file** option.
7. Click the ellipsis button. The **Select Hash List File** dialog opens.
8. Browse to and select the custom file hash value .lst file you want to import into the case.
9. Click **Open**. The **Select Hash File List** dialog closes and adds the selected file to the **Manage Custom Hash Filter** dialog.
10. Click the **Start** button. The **Generate Hashes From Folder** dialog displays to confirm you want to generate file hashes from the contents of the specified file.
11. Click **Yes**. The import starts. The hash values from the .lst file are imported into the case's custom list. When the import is completed, the total number of hash values and other import statistics are displayed in the **Manage Custom Hash Filter** dialog. You can Close this dialog to return to the **Case Manager Filters** tab.

Exporting a Custom File Hash List

A case's custom file hash list can be exported for editing and/or to be used in other cases. When you export a case's custom file hash list, the list is saved to a .lst file. The .lst file can be manually edited using a text file editor.

1. Click the **Case Manager** tab.
2. Double-click a case.
3. Click the **Filters** tab.
4. Select **File Hash Filter** from the drop-down if it is not already visible.
5. Click the **Edit** link next to the **Custom File Hash Items** filter. The **Manage Custom Hash Filter** dialog opens.
6. In **Select Action**, choose **Export custom hashes**.

7. Click the ellipsis button next to the **Destination File** field. The **Export Custom Hash List** dialog opens.
8. Browse to the folder where you want to save the custom file hash list, and then click **Save**.
9. The **Export Custom Hash List** dialog closes and adds the folder to the **Manage Custom Hash Filter** dialog.
10. Click the **Start** button. The custom file hash list is exported to a .lst file in the specified folder. When the export is completed a success message is displayed in the **Manage Custom Hash Filter** dialog.

Refreshing Custom File Hash Filter Results

If the custom hash value list for a case has been modified after the case files have been imported and analyzed, or all the custom hash values have been deleted from the case, you will need to refresh the filter results.

1. Click the **Case Manager** tab.
2. Double-click a case.
3. Click the **Filters** tab.
4. Select **File Hash Filter** from the drop-down if it is not already visible.
5. Click the **Edit** link next to the **Custom File Hash Items** filter. The **Manage Custom Hash Filter** dialog opens.
6. In **Select Action**, choose **Re-identify hash matches**.
7. Click the **Start** button. A confirmation dialog displays.
8. Click **Yes**. The **Custom File Hash Items** filter results for the case are refreshed. When the refresh is completed, a success message is displayed and the number of files in the case matching a value in the case's custom file hash value list is displayed in the **Manage Custom Hash Filter** dialog.

Deleting all Custom Hash Values

You can delete all hash values in the case's custom file hash value list at one time.

1. Click the **Case Manager** tab.
2. Double-click a case.
3. Click the **Filters** tab.
4. Select **File Hash Filter** from the drop-down if it is not already visible.
5. Click the **Edit** link next to the **Custom File Hash Items** filter. The **Manage Custom Hash Filter** dialog opens.
6. In **Select Action** list, select **Clear all custom hash values**. If there are no custom hash values added to the case, the **Start** button is disabled.
7. Click the **Start** button. A confirmation dialog displays.
8. Click **Yes**. All custom hash values are deleted from the case's custom file hash value list. When the delete is completed a success message is displayed in the **Manage Custom Hash Filter** dialog.
9. [Refresh the Custom File Hash Filter Results](#).



If you only want to delete specific hash values, you will need to export the case's custom file hash value list, edit the exported .lst file in a text editor, use the **Clear all custom hash values** feature to remove all custom hash values from the case, and then import the edited custom file hash value list back into the case.



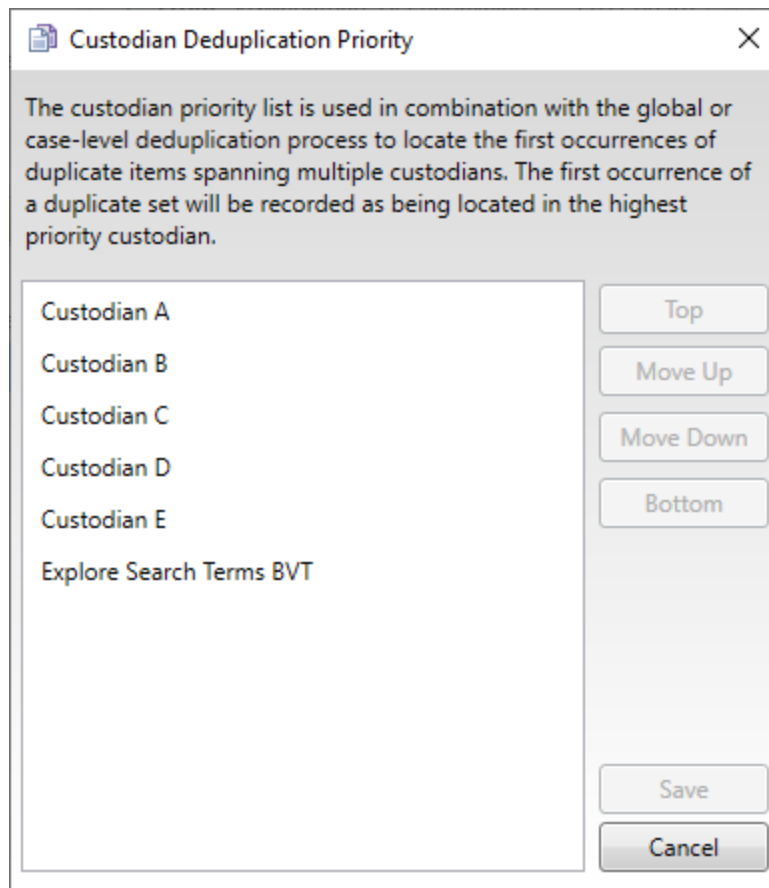
Due to the different technologies used in CloudNine™ LAW and CloudNine™ Explore, the hash values generated for files in CloudNine™ LAW versus CloudNine™ Explore will not always match. For more information about deduplication, see [Deduplication](#).

Configuring Deduplication Filtering

1. Click the **Case Manager** tab.
2. Double-click a case.
3. Click the **Filters** tab.
4. In the green drop-down list, select **Duplicate Document Filter**.
5. Select the **Inc.** check box to allow **Duplicates** to be included in the filter results, or select the **Exc.** check box to exclude **Duplicates** from the filter results.
6. You can modify the deduplication priorities for a case's custodians by clicking **Edit**.



The **Enable custodian duplicate prioritization** check box on the **Analysis** tab in the **New Case Settings** and **Edit Case Settings** dialog boxes determines whether the **Edit** link is displayed for the **Duplicates** filter. If the check box is not selected, the **Edit** link is not displayed.



- a. Clicking **Edit** opens the **Custodian Deduplication Priority** dialog. If a document is duplicated in more than one custodian, the first occurrence of the duplicate document is recorded as being under the highest priority custodian during the deduplication process. The custodian priority list in the **Custodian Deduplication Priority** dialog determines a case's custodian priority ranking. The custodian priority list is organized from highest priority at the top of the list to the lowest priority at the bottom of the list. The custodian priority list defaults to the order the custodians were added to the case, oldest custodians at the top and newest custodians at the bottom of the list.
- b. To change the order of a custodian, select it in the list.
- c. Click one of the following buttons:
 - **Top** - Moves the custodian to the top of the list, making that custodian the highest priority.

- **Move Up** - Moves the custodian up one level in the list.
 - **Move Down** - Moves the custodian down one level in the list.
 - **Bottom** - Moves the custodian to the bottom of the list, making that custodian the lowest priority.
- d. Click **Save** button to save your changes and close the **Custodian Deduplication Priority** dialog.
7. You can click the **Duplicates filter** in the left hand panel to view the files identified by the **Duplicates filter** in the center panel.

Note the following about how date filtering works:

- Dates for e-mail files are based on the sent date field. E-mails with date sent values that fall outside the specified range(s) are removed by the filter.
- Dates for calendar appointments are evaluated based on start and end date fields. Calendar items with start and end date values that fall outside the specified range(s) are removed by the filter.
- Dates for files other than e-mail are based on the date created and date modified fields. The filter will only retain items whose date created and date modified fall within the date range(s). For example, if date created or date modified is unavailable, then the filter will allow the item to pass. If both dates are known, and either of the dates falls outside the date range(s) specified, the filter will allow the item to pass.

Configuring Date Range Filtering

1. Click the **Case Manager** tab.
2. Double-click a case.
3. Click the **Filters** tab.

4. In the green drop-down list, select **Date Range Filter**.
5. Click **add** (plus) to add a date range for filtering the case files. You can repeat this step for additional date ranges. The date range start date defaults to the earliest sent date for e-mail messages or earliest start date for calendar items in the case, depending on which one has the earliest date. The end date defaults to the latest sent date for e-mail messages or latest end date for calendar items in the case, depending on which one has the latest date.
6. To modify a **Start Date** or **End Date**, click the date. You can manually edit the date or click the calendar button to select the date you want.
 - i. By default, all date range check boxes are selected for inclusion in the filter results. The number in the **Count** column next to a date range indicates the number of files that fall within the given date range.
7. Clear the check box for any date range you want excluded from export. Leave the check box selected for all date ranges you want included in the filter results and export.



To remove a single date range, click **Delete date range** (black X next to the date range).

To remove all date ranges, click **Delete all date ranges** (red X underneath the green drop-down list).

9. You can click the a specific date range filter to view the files in the case within that date range in the center panel file list.

The **File Type Filter** only displays the file types for top-level files. Top-level files include loose files and parent files (such as e-mail messages) but exclude archives, mail stores, and forensic images. The **File Type Filter** does not display the file types for attachment/child files to prevent excluding attachments belonging to document families. You can view file attachments for individual documents in the **Document List**.

Configuring File Type Filtering

1. Click the **Case Manager** tab.
2. Double-click a case.
3. Click the **Filters** tab.
4. In the green drop-down list, select **File Type Filter**.
5. The file types of all files in the case are listed. The number in the **Count** column next to a file type indicates the number of files matching that file type in the case. By default, the **Show** list is set to **All**, and none of the **Inc.** or **Exc.** check boxes are selected for any of the file types. The **Show** list determines which file types are displayed for the **File Type Filter** based on the filter decision made for each file type. The **Show** list does not affect whether a file type is included or excluded from the results. Only the **Inc.** and **Exc.** check boxes determine whether a file type is included or excluded from the results. If the file type list is long, the **Show** list can help you quickly view which file types have been included, excluded, or are still undecided.
6. The **Default Filters** link opens the **Set Standard File Type Filter Inclusions and Exclusions** dialog box. The **Set Standard File Type Filter Inclusions and Exclusions** dialog box is used to define and apply the default file type inclusions and exclusions for the **File Type Filter**. The default **File Type Filter** inclusions and exclusions can be applied to both new cases and existing cases in CloudNine™ Explore. For more information, see the section below.
7. Do one of the following for each file type:
 - Leave both the **Inc.** and **Exc.** check boxes blank if you have not yet determined whether the file type should be included or excluded from the filter results. Be aware that when both check boxes are blank for a file type, the file type is automatically included in the filter results and will be included in the export. A file type is only excluded when the **Exc.** check box is selected for the file type.
 - Select the **Inc.** check box to include the file type in the filter results.
 - Select the **Exc.** check box to exclude the file type from the filter results.

- To select all or clear all check boxes in the **Inc.** or **Exc.** column, click the check box below the **Inc.** or **Exc.** header, and then click **Yes** when asked *Are you sure you want to set all items to Not Decided?* or *Are you sure you want to include/exclude all items?*
8. To view the file type list by filter decision, click the down arrow in the **Show** list to display the **Show** list, and then click one of the following:
- **All** - All file types are displayed, regardless of whether the **Inc.** or **Exc.** check boxes are selected.
 - **Not Decided** - Only file types without either the **Inc.** or **Exc.** check boxes selected are displayed.
 - **Included** - Only file types with the **Inc.** check box selected are displayed.
 - **Excluded** - Only file types with the **Exc.** check box selected are displayed.
9. You can click a specific file type to view the files in the case matching the selected file type in the center panel.

Default File Type Inclusions and Exclusions

In CloudNine™ Explore, you can define the default file type inclusion and exclusion settings for the **File Type Filter** on the **Filters** tab. The default **File Type Filter** inclusions and exclusions can be applied to any case in CloudNine™ Explore, and are applied to cases individually.

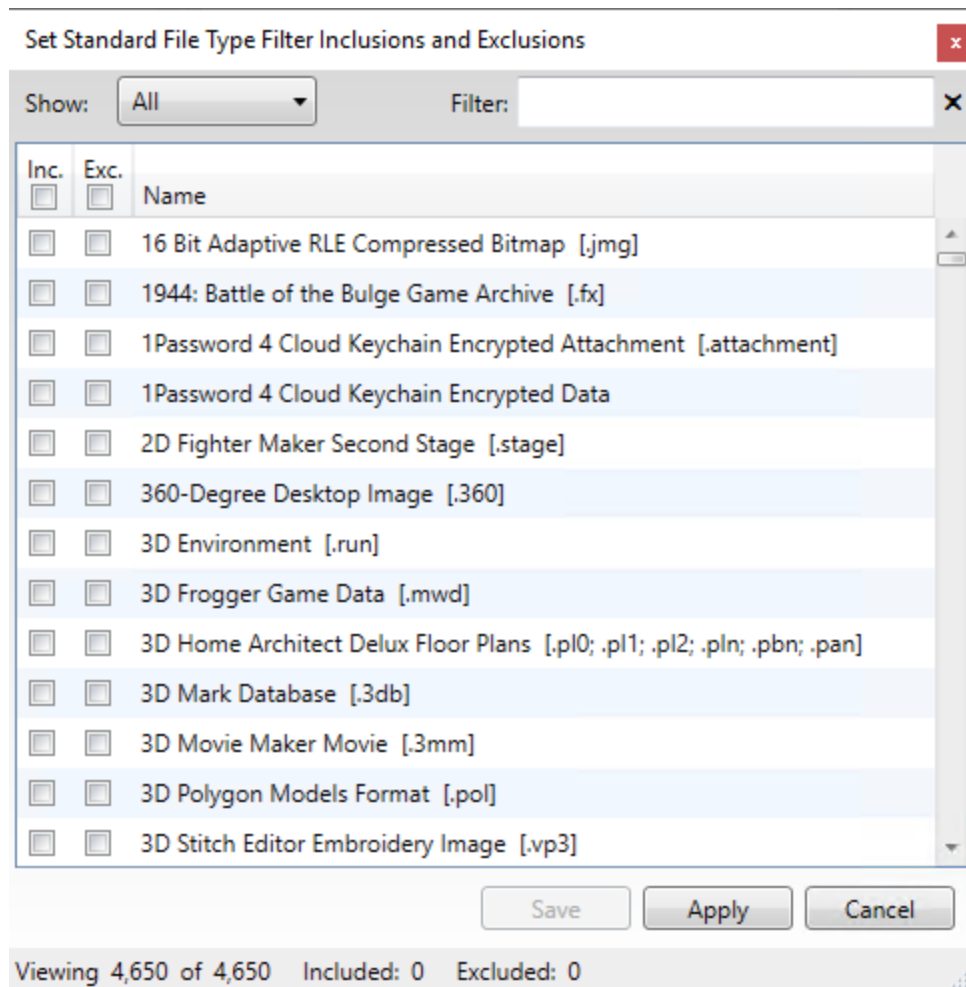
For new cases, the default **File Type Filter** inclusions and exclusions can automatically be applied to a new case by selecting the **Apply default file type filters** check box on the **General** tab in the **New Case Settings** dialog box when you are creating the case. For more information see [Creating an Explore Case](#).

For existing cases, the default **File Type Filter** inclusions and exclusions can be applied to existing cases in CloudNine™ Explore by opening an existing case, and clicking the **Apply** or **Save & Apply** button in the **Set Standard File Type Inclusions and Exclusions** dialog box on the **Filters** tab.

Once the default **File Type Filter** inclusions and exclusions have been applied to a case, if there are changes to the default file type inclusions and exclusions after they have been applied to a case, the changes are not automatically updated in cases using those default settings. In order to update these cases, you will need to reapply the default **File Type Filter** inclusions and exclusions to the cases. To update a case with changes to the default file type inclusions and exclusions, you will need to reopen the case, open the **Set Standard File Type Inclusions and Exclusions** dialog box, and click the **Apply** or **Save & Apply** button to apply the changes to the case.

Defining Default File Type Inclusions and Exclusions

1. Click the **Case Manager** tab.
2. Double-click any case (it does not matter which case you open). You can set up the default **File Type Filter** inclusions and exclusions from a case without applying these settings to any case currently open in CloudNine™ Explore. If you want to define the default **File Type Filter** inclusions and exclusions while applying them to a case, open the case to which you want to apply the default settings.
3. Click the **Filters** tab.
4. In the green drop-down list, select **File Type** Filter.
5. Click **Default Filters**.



6. The **Set Standard File Type Filter Inclusions and Exclusions** dialog displays. The dialog contains a comprehensive list of file types. By default, the **Show** list is set to **All**, and none of the **Inc.** or **Exc.** check boxes are selected for any of the file types.
7. The **Show** list determines which file types are displayed in the file type list based on the filter decision made for each file type. The **Show** list does not affect whether a file type is included or excluded from the filter results. Only the **Inc.** and **Exc.** check boxes determine whether a file type is included or excluded from the filter results. If the file type list is long, the **Show** list can help you quickly view which file types have been included, excluded, or are still undecided.
8. The **Filter** field is used to search the filter list. The **Filter** field searches the currently displayed list. If you want to search for a specific file type in the

Filter field, type out part/all of the file type. The file type list updates to display file types containing the text you entered in the **Filter** field.

9. Do one of the following for each file type:

- Leave both the **Inc.** and **Exc.** check boxes blank if you have not yet determined whether the file type should be included or excluded from the filter results. Be aware that when both check boxes are blank for a file type, the file type is automatically included in the filter results and will be included in the export. A file type is only excluded when the **Exc.** check box is selected for the file type.
- Select the **Inc.** check box to include the file type in the filter results.
- Select the **Exc.** check box to exclude the file type from the filter results and export.
- To select all or clear all check boxes in the **Inc.** or **Exc.** column, click the check box at the top of the **Inc.** or **Exc.** column.

10. To view the file type list by filter decision, click the down arrow in the **Show** list to display the **Show** list, and then click one of the following:

- **All** - All file types are displayed, regardless of whether the **Inc.** or **Exc.** check boxes are selected.
- **Not Decided** - Only file types without either the **Inc.** or **Exc.** check boxes selected are displayed.
- **Included** - Only file types with the **Inc.** check box selected are displayed.
- **Excluded** - Only file types with the **Exc.** check box selected are displayed.

11. As you modify the default file type inclusions and exclusions, the counts at the bottom of the dialog are updated to reflect the counts of included and excluded file types.

12. Click **Save** to save the default settings without applying them to the current case.

Applying Default File Type Inclusions and Exclusions

When you are creating a new case, you can apply the default **File Type Filter** inclusions and exclusions by selecting the **Apply default file type filters** check box on the **General** tab in the **New Case Settings** dialog. When the case is created, the default file type inclusions and exclusions will automatically be applied to the case for the **File Type Filter** on the **Filters** tab. See [General Case Settings](#) for more details.

The **Apply default file type filters** check box is only available in the **New Case Settings** dialog box. To apply the default **File Type Filter** inclusions and exclusions to an existing case:

1. Click the **Case Manager** tab.
2. Double-click the case to which you want to apply the default **File Type Filter** inclusions and exclusions.
3. Click the **Filters** tab.
4. In the drop-down list, select **File Type Filter**.
5. Click the **Default Filters** link. The **Set Standard File Type Filter Inclusions and Exclusions** dialog opens.
6. Click the **Apply** button. If you made any changes to the default file type inclusion or exclusion settings in the **Set Standard File Type Filter Inclusion and Exclusions** dialog box, click the **Save & Apply** button.
7. Click **Yes** at the confirmation prompt.



When you apply the default **File Type Filter** inclusions and exclusions to a case, this function cannot be undone. If the **Inc.** or **Exc.** check box is selected for a file type on the **Filters** tab, and the **Inc.** or **Exc.** check box for the same file type is selected in the **Set Standard File Type Filter Inclusions and Exclusions** dialog, when you click **Apply** or **Save & Apply**, the **Inc.** and **Exc.** check box settings in the **Set Standard File Type Filter Inclusions and**

Exclusions dialog will overwrite the **Inc.** and **Exc.** check box settings for the file type on the **Filters** tab.

When applying the default File Type Filter inclusions and exclusions to a case, only the inclusion or exclusion settings are applied to the case. If a file type in the **Set Standard File Type Filters Inclusions and Exclusions** dialog is set to undecided (the **Inc.** and **Exc.** check boxes are not selected), the undecided setting is not applied to the file type when the default **File Type Filter** inclusions and exclusions are applied to the case.



For example, if the **Inc.** or **Exc.** check box is already selected for a file type on the **Filters** tab, and you apply the default file type inclusions and exclusions to the case, but both the **Inc.** and **Exc.** check boxes are not selected for the same file type in the **Set Standard File Type Inclusions and Exclusions** dialog box, then when the default file type inclusions and exclusions are applied to the case, the undecided file type setting will not overwrite the current **Inc.** or **Exc.** setting for the file type on the **Filters** tab.

Configuring E-mail Sender Domain Filtering

1. Click the **Case Manager** tab.
2. Double-click a case.
3. Click the **Filters** tab.
4. In the green drop-down list, select **E-Mail Sender Domain Filter**.
5. All the e-mail sender domains in the case files are listed. The number in the **Count** column next to a sender domain indicates the number of files from that domain. By default, the **Show** list is set to **All**, and none of the **Inc.** or **Exc.** check boxes are selected for any of the e-mail sender domains. The **Show** list

determines which e-mail sender domains are displayed for the **Email Sender Domain Filter**, based on the filter decision made for each domain. The **Show** list does not affect whether an e-mail sender domain is included or excluded from the results. Only the **Inc.** and **Exc.** check boxes determine whether an e-mail sender domain is included or excluded from the results. If the e-mail sender domain list is long, the **Show** list can help you quickly view which domains have been included, excluded, or are still undecided.

5. Do one of the following for each e-mail sender domain:
 - Leave both the **Inc.** and **Exc.** check boxes blank if you have not yet determined whether the e-mail sender domain should be included or excluded from the filter results. Be aware that when both check boxes are blank for an e-mail sender domain, the domain is automatically included in the filter results and will be included in the export. An e-mail sender domain is only excluded when the **Exc.** check box is selected for the domain.
 - Select the **Inc.** check box to include the e-mail sender domain in the filter results.
 - Select the **Exc.** check box to exclude the e-mail sender domain from the filter results and export.
 - To select all or clear all check boxes in the **Inc.** or **Exc.** column, click the check box below the **Inc.** or **Exc.** header, and then click **Yes** when asked *Are you sure you want to set all items to Not Decided?* or *Are you sure you want to include/exclude all items?*
6. To view the e-mail sender domain list by filter decision, click the down arrow in the **Show** list to display the **Show** list, and then click one of the following:
 - **All** - All e-mail sender domains are displayed, regardless of whether the **Inc.** or **Exc.** check boxes are selected.
 - **Not Decided** - Only the e-mail sender domains without either the **Inc.** or **Exc.** check boxes selected are displayed.
 - **Included** - Only the e-mail sender domains with the **Inc.** check box selected are displayed.
 - **Excluded** - Only the e-mail sender domains with the **Exc.** check box selected are displayed.

7. You can click a specific e-mail domain to view all files containing the selected e-mail sender domain. The center panel lists the files sent from the selected domain.

Some documents may contain multiple languages. When a document contains multiple languages, the document is included in the count for each language it contains.



If a document contains multiple languages, and one of the languages in the document is excluded from export, but another language in the document is included in the export, the export may still include the document containing the excluded language depending on the other filter and export setting. For example, if French is excluded from export, the export may still include documents containing the French language if the documents also contain English and English is selected to be included in the export.

Configuring Language Filtering

1. Click the **Case Manager** tab.
2. Double-click a case.
3. Click the **Filters** tab.
4. In the green drop-down list, select **Language Filter**.
5. All the languages identified in the case files are listed. The number in the **Count** column next to the language indicates the number of files that contain the given language. By default, the **Show** list is set to **All**, and none of the **Inc.** or **Exc.** check boxes are selected for any of the languages. The **Show** list determines which languages are displayed for the **Language Filter** based on the filter decision made for each language. The **Show** list does not affect whether a language is included or excluded from the results. Only the **Inc.** and **Exc.** check boxes determine whether a language is included or excluded from

the results. If the language list is long, the **Show** list can help you quickly view which languages have been included, excluded, or are still undecided.

6. Do one of the following for each file type:
 - Leave both the **Inc.** and **Exc.** check boxes blank if you have not yet determined whether the language should be included or excluded from the filter results. Be aware that when both check boxes are blank for a language, the language is automatically included in the filter results and will be included in the export. A language is only excluded when the **Exc.** check box is selected for the language.
 - Select the **Inc.** check box to include the language in the filter results.
 - Select the **Exc.** check box to exclude the language from the filter results.
 - To select all or clear all check boxes in the **Inc.** or **Exc.** column, click the check box below the **Inc.** or **Exc.** header, and then click **Yes** when asked *Are you sure you want to set all items to Not Decided?* or *Are you sure you want to include/exclude all items?*
7. To view the language list by filter decision, click the down arrow in the **Show** list to display the **Show** list, and then click one of the following:
 - **All** - All languages are displayed, regardless of whether the **Inc.** or **Exc.** check boxes are selected.
 - **Not Decided** - Only languages without either the **Inc.** or **Exc.** check boxes selected are displayed.
 - **Included** - Only languages with the **Inc.** check box selected are displayed.
 - **Excluded** - Only languages with the **Exc.** check box selected are displayed.
8. You can click a specific language to view all files containing the selected language. The files containing the selected language are listed in the center panel.

OCR

In CloudNine™ Explore, OCR (optical character recognition) can be performed on image-based documents (such as TIFF, JPEG, GIF, BMP, PNG, and Adobe Acrobat PDF files) at the document level so that their content can be read, filtered, and searched before exporting them to CloudNine™ LAW.

There are three ways OCR can be performed in CloudNine™ Explore:

- Automatically during import
- By file type on the **OCR** tab
- By individual document on the **Filters, OCR, Search, Export, or Exceptions** tab

OCR can be performed automatically on documents when the documents are imported into a case by selecting the **Automatically queue documents for OCR during analysis** check box on the **Analysis** tab in the **New Case Settings** or **Edit Case Settings** dialog box. When the check box is selected, OCR is performed on the documents before their text is indexed (during analysis).

OCR can also be performed on groups of documents by file type, custodian, and import session on the **OCR** tab or on individual documents using the **Queue document for OCR** button on the **Filters, OCR, Search, Export, or Exceptions** tab in CloudNine™ Explore.



Encrypted files are not automatically queued for OCR and are not included in the **Documents to OCR** count on the **OCR** tab.

If a PDF with images is detected during analysis processing in Explore, then that document will automatically be flagged to have OCR performed. If the resulting OCR text is less than the extracted text, then the extracted text will be used. Documents with extracted text larger than OCR text will show under the "Insufficient OCR" count in the case's OCR tab.

Before performing OCR on any documents in CloudNine™ Explore, verify that the OCR settings have been set to ensure the proper output format. When a case is created, the OCR settings for the case are defined on the **OCR** tab in the **New Case**

Settings dialog box. These settings can be modified on the **OCR** tab in the **Edit Case Settings** dialog box. For more information see [OCR Case Settings](#).

Performing OCR on documents can help to identify the documents you want to export to CloudNine™ LAW.

If you are exporting to CloudNine™ LAW from CloudNine™ Explore, when you export documents that included image-based attachments and have had OCR performed on them, only the OCR from the parent document is exported to CloudNine™ LAW. The OCR for the child documents is not exported. In this scenario, OCR needs to be performed again on the child documents in CloudNine™ LAW once the documents are exported into CloudNine™ LAW.



For more information about performing OCR in CloudNine™ LAW, see the CloudNine™ LAW Answer Center.

If you are using the LAW Direct export, CloudNine™ Explore exports the OCR text for all documents included in the export regardless of them being parent or child documents. You do not need to perform OCR again in CloudNine™ LAW for any document exported from CloudNine™ Explore when using LAW Direct export.

For more information about exporting in CloudNine™ Explore, see [Exporting](#).



If you use more than 18 agents on a single machine, you may experience errors when performing OCR with ABBYY.

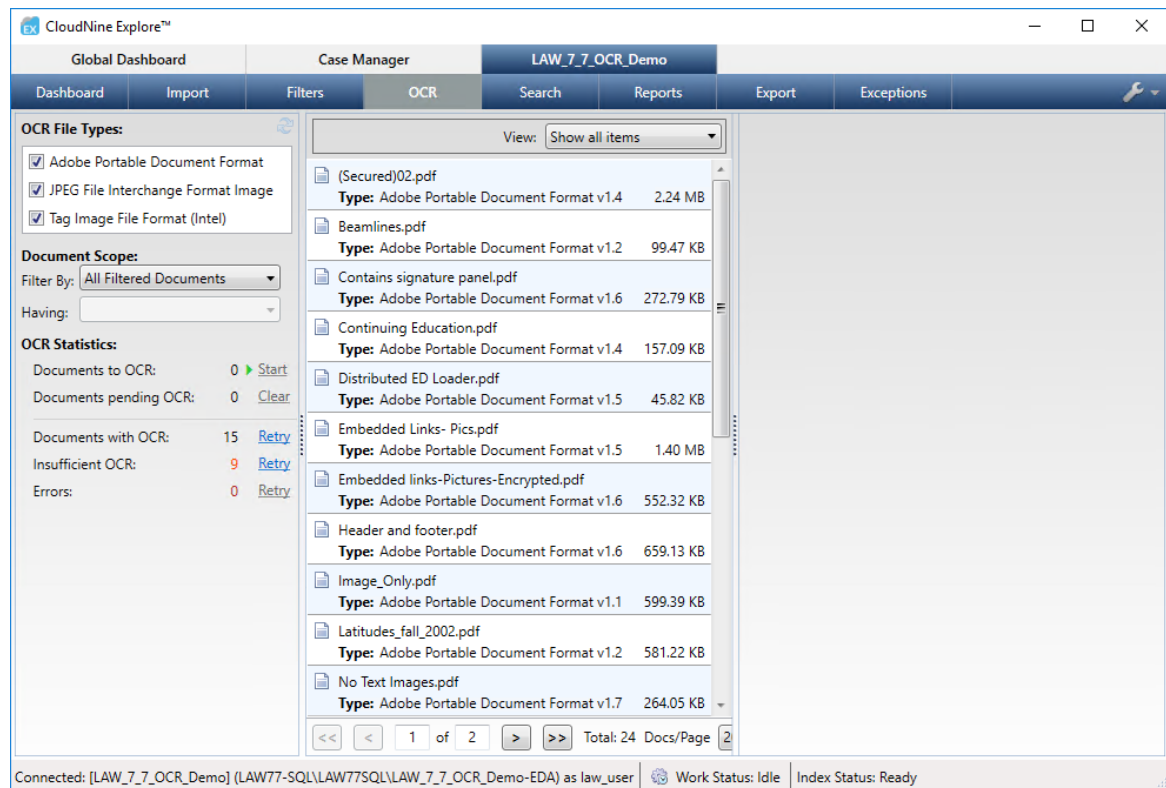
Supported OCR File Types

The following table contains the file types that support OCR processing in CloudNine™ Explore.

Supported File Types for OCR	
File Extension	File Description
B M P	Microsoft Windows Bitmap
D C X	Paintbrush Multi-Page Fax Bitmap
G I F	Graphics Interchange Format
J P E G or J P G	JPEG File Interchange File
P C X	PC Paintbrush Bitmap

Supported File Types for OCR	
File Extension	File Description
PDF	Adobe Portable Document Format
PNG	Portable Network Graphics Bitmap
TIFF or TIFF	Intel Tag Image File Format

Within a top-level case tab in CloudNine™ Explore, OCR information is displayed on the **OCR** sub-tab. The **OCR** tab displays in three panes from left to right: **OCR Details**, **Document List**, and **Document Details**.



OCR by File Type

1. Click the **Case Manager** tab.
2. Double-click a case.
3. Click the **OCR** tab. In the left pane, **OCR File Types** displays the image-based file types for all documents currently in the case, regardless of the case's filtered document results. In the **OCR File Types** list, the check box next to each file types determines whether documents with that file type are included in the **Document List** that displays in the center pane (the filtered file types for OCR).
4. By default, each **OCR File Type** check box is selected. You can include or exclude a specific file type when performing OCR by either selecting or clearing the check box next to that file type in the **OCR File Types** area. The center pane updates based on the selection.

5. **Filter By** allows you to filter the list of documents for OCR by custodian. By default, **All Filtered Documents** is selected. Choose one of the **Filter By** options:
 - **All Filtered Documents** - All image-based documents for file types selected in **OCR File Types** area are included in the **Document List**.
 - **Custodians** - The **Having** list updates to show all custodians containing documents of the file types selected in the **OCR File Types** list.
 - **Import Sessions** - The **Having** list updates to show all import sessions containing documents of the file types selected in the **OCR File Types** list.
6. **Having** allows you to filter the list of documents for OCR by **Custodians** or **Import Sessions**, depending on the selection in **Filter By**. Choose the appropriate options to refine your OCR **Document List**.
 - **All Filtered Documents** - The **Having** list is disabled.
 - **Custodians** - The **Having** list is populated with the applicable list of case custodians, along with counts of documents for each custodian. Select a specific Custodian and the **Document List** in the center pane updates based on that selection.
 - **Import Sessions** -The **Having** list is populated with the applicable list of case import sessions, along with counts of documents for each import session. Select a specific import session and the **Document List** in the center pane updates based on that selection.

Example Scenario:



The **Tag Image File Format (Intel)** check box is selected in the **OCR File Types** list, **All Filtered Documents** is selected in the **Filter By** list, and there are 100 TIFF (Tag Image File Format) files in the **Document List**.

If you select **Custodians** in the **Filter By** list, and then select a custodian with 41 documents in the **Having** list, with 24 of the 41 documents being TIFF files, only the 24 TIFF files for the selected custodian will be displayed in the **Document List**, not the 100 TIFF

files. If the **Tag Image File Format (Intel)** check box is cleared, all TIFF files are excluded from the **Document List** regardless of what is selected in the **Filter By** and **Having** lists.

7. Use **View** in the center pane to view all documents, documents with OCR, or documents without OCR. The **View** selection only determines which documents are listed in the **Document List**, and does not affect which documents are included or excluded from the OCR queue.
8. The left pane displays **OCR Statistics**. This section updates depending on the **OCR File Types** selections, and the selections for **Filter By** and **Having**. The **OCR Statistics** contains these details:
 - **Documents to OCR** - Total number of documents that qualify for the OCR process.
 - **Documents pending OCR** - Number of documents in the OCR queue.
 - **Documents with OCR** - Number of documents in the case that have had OCR performed.
 - **Insufficient OCR** - Number of image-based documents where extracted text was larger than OCR text, so the resulting OCR text may be less than desired.
 - **Errors** - Number of image-based documents that had errors while performing OCR.
9. Do one of the following in **OCR Statistics**:
 - Click **Start** next to **Documents to OCR** to perform OCR on the documents without OCR.
 - Click **Clear** next to **Documents pending OCR** if you need to clear the OCR queue while the OCR process is running.
 - Click **Retry** next to **Documents with OCR** to perform OCR processing on documents that have already been through the OCR process.
 - Click **Retry** next to **Cannot OCR** to perform OCR processing on documents that could not originally have OCR performed.

- Click **Retry** next to **Errors** to perform OCR processing on documents that had errors when previously performing OCR.

The OCR process automatically starts when **Start** or **Retry** is clicked. When the OCR process completes, the documents are automatically indexed for full-text searching.

After the OCR process is completed, if you want to view the OCR output for the document currently displayed on the **OCR** tab, click the **Refresh** link next to **Document is queued for OCR** in the **Document Details** pane to refresh the selected document. If the OCR process is completed, the **Queue document for OCR** button will also be displayed again in the **Document Details** pane when you click the **Refresh** link.

OCR on Individual Documents

OCR can be performed on individual documents from the **Filters**, **OCR**, **Search**, **Export**, and **Exceptions** tabs by clicking the **Queue document for OCR** button in the **Document Details** pane for the selected document. The **Queue document for OCR** button is only displayed for image-based documents in the case. It is displayed for image-based documents regardless of whether the documents are with or without OCR.



Encrypted files are not eligible for OCR. The **Queue document for OCR** option is not available for encrypted files.

1. Click the **Case Manager** tab.
2. Double-click a case.
3. Click the **Filters**, **OCR**, **Search**, **Export**, or **Exceptions** tab.
4. Display a list of documents by selecting a filter, OCR file type, search query, export setting, or exception category on the tab.
5. In the **Document list**, click the document to OCR.

6. In the **Document Details** pane on the right, click the **Queue document for OCR** button. The document is added to the OCR queue, and **Document is queued for OCR** is displayed where the **Queue document for OCR** button was displayed. When the OCR process is completed, the document is automatically indexed for full-text searching.

After the OCR process is completed, click the **Refresh** link next to **Document is queued for OCR** to refresh the selected document and view that document's OCR output in the **Document Details** pane on the **Filter, OCR, Search, Export**, or **Exceptions** tab. If the OCR process is completed, the **Queue document for OCR** button will also be displayed again when you click the **Refresh** link.

Search

In CloudNine™ Explore, you can use the search feature to search through filtered case records that have been imported into CloudNine™ Explore. Searching is only performed on filtered records for a case. For example, if a case contains 3,000 records, but after filtering the records there are only 500 records, a search query is only run against those 500 remaining case records.

CloudNine™ Explore is capable of quickly searching through case data due to automatically creating a comprehensive index during the import process. There are two levels of searching in CloudNine™ Explore:

- **Basic Searching** - Performing keyword (one word) searches and locating all instances of that term in the filtered case records.
- **Advanced Full-Text Searching** - Performing searches with two or more search terms or phrases to gain stronger, more precise search results.

Search terms can be more than one word. They can also be numbers, text phrases, or a combined use of terms and search operators. A search term is typed into the **Search Query** field with results displaying in the **Document list**.

All records or individual records returned from a search query can be tagged in CloudNine™ Explore. For more information about tagging search queries, see [Tagging](#).

CloudNine™ Explore uses the dtSearch® search engine to perform searches. For more information about dtSearch, see <http://www.dtsearch.com/index.html>.



Search results do not include mail store files, such as .pst and .nsf files, or archive files, such as .zip files.

For more information, see [Running Searches](#) and [Search Operators](#).

CloudNine™ Explore automatically creates an index when you import files into a case. During the indexing process, CloudNine™ Explore reads each imported file and compiles an index based on each word it reads. The index is used when you run searches so you can locate important words, dates, and text phrases easily in your case records.

When you import new files into a case, the new files are automatically indexed and included when running new or saved searches.

The index settings for a case are defined on the **Indexer** tab in the **New Case Settings** and **Edit Case Settings** dialogs. If you modify a case's index settings or change a case custodian name, you will need to manually re-index the case by rebuilding the index.

For more information about rebuilding and managing case indexes, see [Managing Indexes](#).

Noise Words

CloudNine™ LAW and CloudNine™ Explore come with a predefined list of noise words that are skipped (excluded) while indexing case information. The noise word list includes the most common words in the English language (and, but, is, if, the) that you would generally not search for. Eliminating these words from the index ensures that searches run faster and more efficiently.

Noise words are processed as "any word" wild cards (*). For example the search "Harold the cat" is processed as: Harold * cat.

A single word search request for a noise word will return no records. For example, a search request for the term "because" yields no results.

The noise words for both CloudNine™ LAW and CloudNine™ Explore are stored in the noise.dat file.

Noise words can be managed at both the application and case level. By default, the noise word list is managed at the application level. The application-level noise.dat file is located in the DTConfig folder, which can be found in the installation path of CloudNine™ LAW.

You can also manage noise words for CloudNine™ Explore at the case level by selecting the **Use case-specific noise words list (noise.dat)** check box on the **Indexer** tab in the **Edit Case Settings** dialog box for a case. The first time the check box is selected for a case, the application-level noise.dat file in the DTConfig folder is copied to a case's \$IndexHome directory (...\\cases\[caseName] \\\$EDA\\\$IndexHome), and can be edited from the **Indexer** tab. When the check box is selected, the case-level noise.dat file will be used by the case. When the check box is not selected, the application-level noise.dat file will be used for the case. For more information see [Indexer Case Settings](#).



Once the **Use case-specific noise words list (noise.dat)** check box is selected for a case and the noise.dat file is added to the case's \$IndexHome directory, if the check box is cleared and then later reselected, the case-level noise.dat file is not overwritten by the application-level noise.dat list.

The application-level noise.dat list is only copied to a case's \$IndexHome directory the first time the **Use case-specific noise words list (noise.dat)** check box is selected for a case.

Editing Application-level Noise Words

1. Navigate to the **DTConfig** folder located in the CloudNine™ LAW installation directory.
 - i. The default directory is: **C:\ProgramData\CloudNine\EdAnalyzer\Home.**
2. Open the **noise.dat** file using Notepad or another text editor.
3. Add or remove noise words from the list.



Removal of noise words from the **noise.dat** file can result in reduced performance of indexing and search operations. This is because any word removed from the noise list is indexed along with other keywords.

4. Save the file.
5. In CloudNine™ Explore, rebuild each case's index. For more information, see [Managing Indexes](#).

Editing Case-level Noise Words

When the **Use case-specific noise words list (noise.dat)** check box is selected for a case on the **Indexer** tab in the **Edit Case Settings** dialog box, the case will use the case-level noise.dat file in the case's \$IndexHome directory (... \cases\[caseName]\\$EDA\\$IndexHome). When you change the **Use case-specific noise words list (noise.dat)** check box and/or edit the case's case-level noise.dat file, you will need to rebuild the case's index.

The **Use case-specific noise words list (noise.dat)** check box can only be selected for a case once the case is created. The check box is disabled on the **Indexer** tab in the **New Case Settings** dialog box when a case is being created.

1. In CloudNine™ Explore, click the **Case Manager** tab.
2. Select the case for which you want to use and/or edit the case-level noise.dat file, and then click **Edit Selected Case**.

- i. If the case is already open in CloudNine™ Explore, you can select **Case Settings** from the Tools (wrench) drop-down located in the upper-right corner. The **Edit Case Settings** dialog opens.
3. Click the **Indexer** tab.
4. Select the **Use case-specific noise words list (noise.dat)** check box.
 - i. When the **Use-case-specific noise words list (noise.dat)** check box is selected, the **Open** link is displayed next to (**noise.dat**).
5. Click the **Open** link.
 - i. If your computer does not know which program to use to open the **noise.dat** file, the *Window can't open this file* message is displayed.
6. Open the **noise.dat** file using Notepad or another text editor.
7. Add or remove noise words from the list.



Removal of noise words from the **noise.dat** file can result in reduced performance of indexing and search operations. This is because any word removed from the noise list is indexed along with other keywords.

8. Save and close the **noise.dat** file.
9. In the **Edit Case Settings** dialog box, click **OK** to save your changes.
10. In CloudNine™ Explore, rebuild the case's index. For more information, see [Managing Indexes](#).

CloudNine™ LAW and CloudNine™ Explore come with a predefined dtSearch alphabet file (default.abc). Like the noise.dat file, the default.abc file is used when indexing case information, and determines which individual characters are searchable, cause a word break, or are ignored by searches in CloudNine™ LAW and CloudNine™ Explore cases.

For more information about characters in the dtSearch alphabet file, see http://support.dtsearch.com/webhelp/dtsearch/alphabet_customization.htm.

The alphabet file can be managed at both the application and case level. By default, the alphabet file is managed at the application level. The application-level default.abc file is located in the DTConfig folder which can be found in the installation path of CloudNine™ LAW.

You can also manage the alphabet file for CloudNine™ Explore at the case level by selecting the **Use case-specific alphabet file (default.abc)** check box on the **Indexer** tab in the **Edit Case Settings** dialog box for a case. The first time the check box is selected for a case, the application-level default.abc file in the DTConfig folder is copied to case's \$IndexHome directory (...\\cases\[caseName] \\\$EDA\\\$IndexHome), and can be edited from the **Indexer** tab. When the check box is selected, the case-level default.abc file will be used by the case. When the check box is not selected, the application-level default.abc file will be used for the case. See [Indexer Case Settings](#) for more information.



Once the **Use case-specific alphabet file (default.abc)** check box is selected for a case and the default.abc file is added to the case's \$IndexHome directory, if the check box is cleared and then later reselected, the case-level default.abc file is not overwritten by the application-level default.abc file.

The application-level default.abc file is only copied to a case's \$IndexHome directory the first time the **Use case-specific alphabet file (default.abc)** check box is selected for a case.

Editing the Application-level Alphabet File

1. Navigate to the **DTConfig** folder located in the CloudNine™ LAW installation directory.

- i. The default directory is: **C:\ProgramData\CloudNine\EdAnalyzer\Home.**
2. Open the **default.abc** file using an alphabet file editor.
3. Make the applicable edits in the file.



Modifying the **default.abc** file can result in reduced performance of indexing and search operations. This is because any character modifications can impact how case files are indexed.

4. Save and close the **default.abc** file.
5. In CloudNine™ Explore, rebuild each case's index.

For more information, see [Managing Indexes](#).


Editing the Case-level Alphabet File

When the **Use case-specific alphabet file (default.abc)** check box is selected for a case on the **Indexer** tab in the **Edit Case Settings** dialog box, the case will use the case-level default.abc file in the case's \$IndexHome directory (... \cases\[caseName]\\$EDA\IndexHome). When you change the **Use case-specific alphabet file (default.abc)** check box and/or edit the case's case-level default.abc file, you will need to rebuild the case's index.

The **Use case-specific alphabet file (default.abc)** check box can only be selected for a case once the case is created. The check box is disabled on the **Indexer** tab in the **New Case Settings** dialog box when a case is being created.

1. In CloudNine™ Explore, click the **Case Manager** tab.
2. Select the case for which you want to use and/or edit the case-level default.abc file, and then click **Edit Selected Case**.

- i. If the case is already open in CloudNine™ Explore, you can select **Case Settings** from the Tools (wrench) drop-down in the upper-right corner. The **Edit Case Settings** dialog opens.
3. Click the **Indexer** tab.
4. Select the **Use case-specific alphabet file (default.abc)** check box.
 - i. When the **Use case-specific alphabet file (default.abc)** check box is selected, the **Open** link is displayed next to (**default.abc**).
5. Click the **Open** link.
 - i. If your computer does not know which program to use to open the **default.abc** file, the *Window can't open this file* message is displayed.
6. Open the **default.abc** file using an alphabet file editor.
7. Make the applicable edits in the file.

 Modifying the **default.abc** file can result in reduced performance of indexing and search operations. This is because any character modifications can impact how case files are indexed.
8. Save and close the **default.abc** file.
9. In the **Edit Case Settings** dialog box, click **OK** to save your changes.
10. In CloudNine™ Explore, rebuild the case's index.

For more information, see [Managing Indexes](#).

CloudNine™ Explore creates an index when you import files into a case. During the indexing process, CloudNine™ Explore reads each imported file and compiles an index based off each word it reads. The index is used when you run searches so you can locate important words, dates, and text phrases easily in your case records.

When you import new files into a case, the new files are automatically indexed and included when running new or saved searches.

The index settings for a case are defined on the **Indexer** tab in the **New Case Settings** and **Edit Case Settings** dialog boxes. On the **Indexer** tab, you can also customize which fields are indexed when a case is indexed. By default, all fields in a case are indexed. If you modify a case's index settings or change a case custodian name, you will need to manually re-index the case by rebuilding the index. You can access the **Indexer** tab from the **Index Management** dialog box by clicking the **Index Settings** button.

For more information about the Indexer tab, see [Indexer Case Settings](#).

To maximize search indexing and performance, CloudNine™ Explore will distribute documents to a maximum of 32 indexes. Indexes are initially limited to 250,000 documents, but the maximum number of documents per index will double if all 32 indexes have more than 250,000 documents.

The **Index Management** dialog box in CloudNine™ Explore allows you to view the details of a case's indexes and compact and rebuild all or individual case indexes. The **Index Management** dialog box is accessed by clicking the **Index Management** button on the **Search** tab.

The **Summary of Indexes** section of the **Index Management** dialog box displays the index information for all the case's indexes. The **Index Details** section lists the individual indexes in the case index and the individual case information.

The screenshot shows a window titled "Index Management" with a close button in the top right corner. Below the title bar is a "Summary of Indexes:" section with a refresh icon. This section contains a table with the following data:

Index Count	1	Documents in Indexes	19,871
State	Ready	Index Size (MB)	34
Work Pending	None	Fragmentation	0
Documents Pending	0	Last Updated	10/11/2020 8:59:10 PM

Below the summary is an "Index Details:" section containing a table with the following columns: Index ID, State, Work Pending, Documents Pending, Documents in Index, Index Size (MB), Fragmentation, and Last Updated. The first row of data is highlighted in blue:

<input checked="" type="checkbox"/>	Index ID	State	Work Pending	Documents Pending	Documents in Index	Index Size (MB)	Fragmentation	Last Updated
<input checked="" type="checkbox"/>	0	Ready	None	0	19,871	34	0	10/11/2020 8:59:10 PM

At the bottom of the window are four buttons: "Index Settings", "Compact Indexes", "Rebuild Indexes", and "Close".

Index Management Field and Column Definitions

Name	Description
Index Count	Number of indexes in the case's index
Index ID	Index identification number
State	<p>Current index state:</p> <ul style="list-style-type: none"> • Ready – Indicates there are currently no index processes (indexing new documents, rebuilding the index, or compacting the index) running and the index is ready for processing • Compacting – Index is in the process of being compacted • Re-Indexing – Index is in the process of being rebuilt

- **Indexing** - New case documents are being indexed

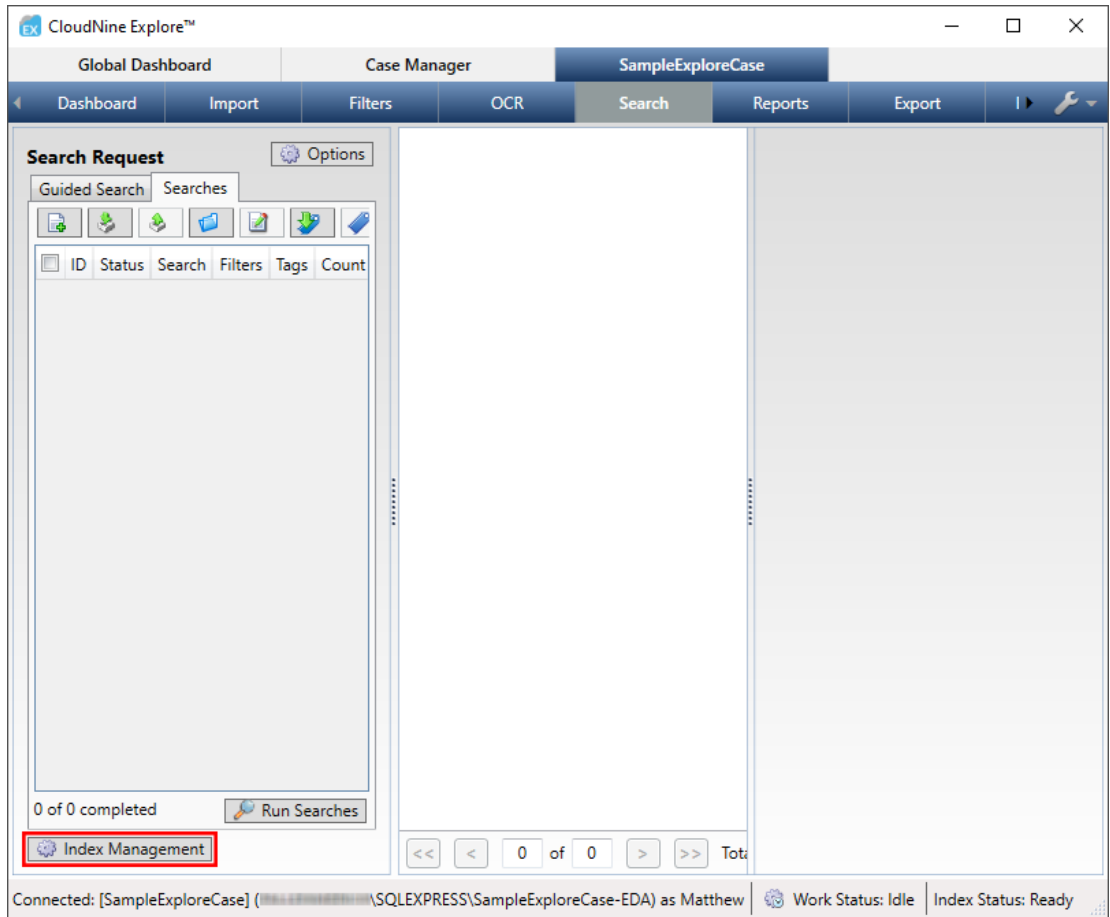


How to Compact or Rebuild a Case Database

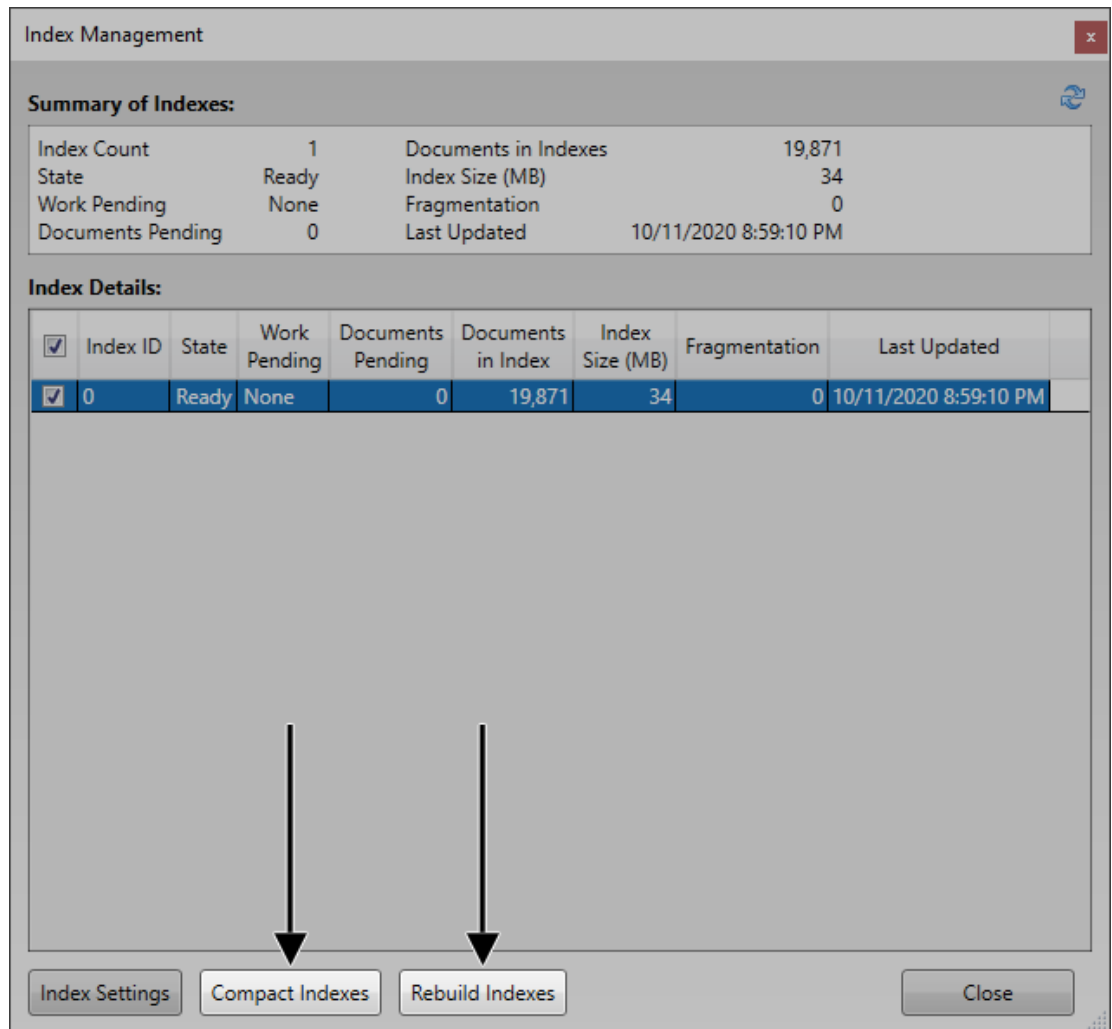
A Knowledge Based Article on this subject can be found here:

[Compacting or Rebuilding a Case Database \(cloudnine.com\)](https://cloudnine.com/knowledge-base/compacting-or-rebuilding-a-case-database)

1. From the **Case Manager** tab, double-click on the desired **Case** to open it, and then navigate to **Search** sub-tab.
2. From here, click the **Index Management** button at the bottom-left.



3. The **Index Management** window will open. Select the desired indexes from the **Index Details** list by checking their boxes in the far left column.
4. **Compacting Indexes:** Click the **Compact Indexes** button, and then select **Yes** at the **Compact** prompt to begin compacting the selected indexes.
5. **Rebuilding Indexes:** Click the **Rebuild Indexes** button, and then select **Yes** at the **Rebuild** prompt to begin rebuilding the selected indexes.

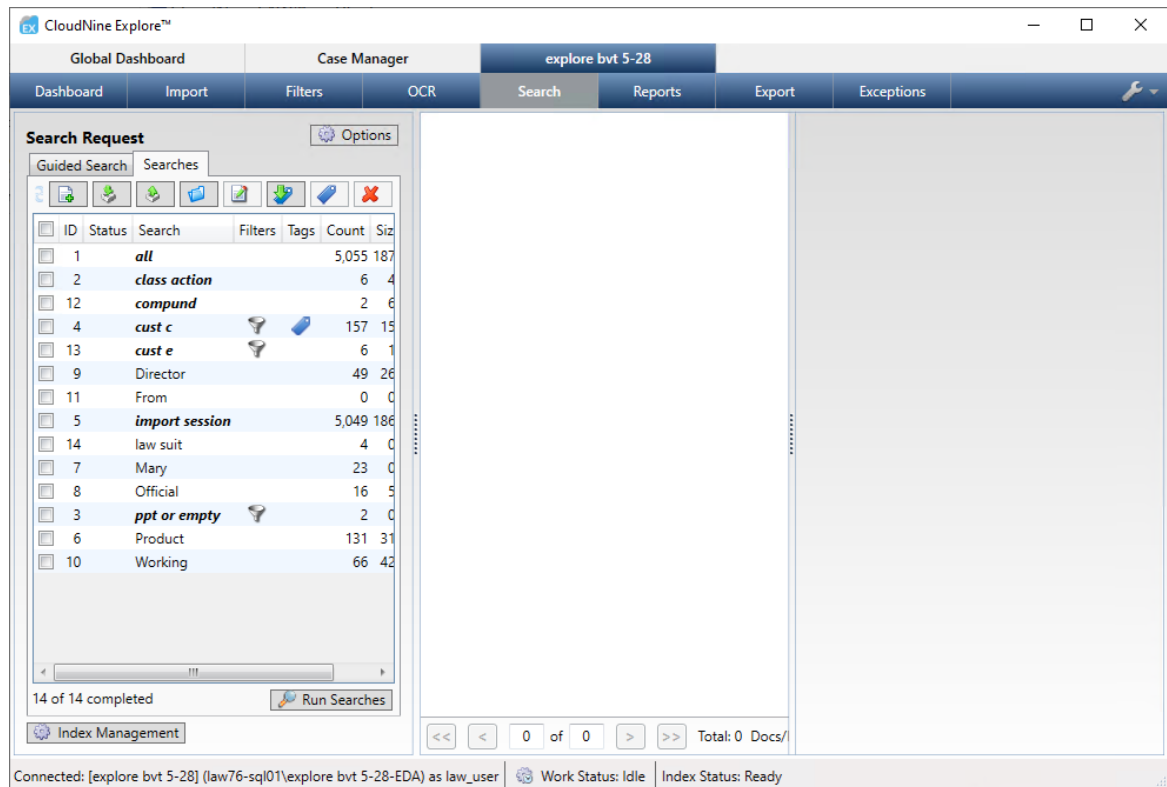



Within a top-level case tab in CloudNine™ Explore, new and saved searches are executed on the **Search** sub-tab. The **Search** tab displays in three panes from left to right: **Search Request**, **Document List**, and **Document Details**.









You can run new and saved searches against a case's filtered records from the **Search Request** pane on the left of the **Search** tab. New searches are run by entering a search query in the **New Search** dialog box and then clicking the **Save & Search** button. Saved searches are run by clicking the check box for a saved

search or searches and then clicking the **Run Searches** button. You can run multiple saved searches simultaneously in CloudNine™ Explore.

The toolbar at the top of the **Search Request** pane allows you to perform various actions on selected searches, or create a new search.






Search Toolbar	
Icon	Function
	Refresh saved searches


Search Toolbar	
	New Search
	Bulk Import Search Terms
	Bulk Export Search Terms
	Search Sets
	Edit Checked Search
	Tag Imported IDs
	Tag Searches
	Delete Searches

The **Search** value in the **Searches** list displays the search query name. Names are optional when creating a search query. If a search query is not given a name, the search query text is displayed for the **Search** value in the **Searches** list and other areas of CloudNine™ Explore. To help distinguish between named searches, the **Search** value is displayed in bold italics when a name is provided for a search query, and unnamed searches are displayed in plain text.

In the search list you can view the search query associated with a **Search** value by placing your pointer over the **Search** value.

The **Status** column on the **Searches** tab displays a status icon for each corresponding saved search.

Search Status		
Icon	Name	Description
	New	Search query is new and has not run yet.
	Pending	Search query is currently running.
No icon	Complete	When no icon is displayed for a search in the Status column, the search query is completed and the search results are current.
	Out of	Search query results are out of date. The Out of

Search Status		
	Date	Date icon will be displayed if documents that have been added or removed from the case or filter settings that have been modified affect the saved search query.
	Error	CloudNine™ Explore encountered an error while running the search query.

You can create and run searches in CloudNine™ Explore. You can manually add search terms or you can add search terms directly from the dictionary, fields, and field values. You can also help fine-tune your searches by applying search filters, including date ranges, in the **New Search** or **Edit Search** dialog box.

When writing advanced search queries, you will want to learn how to use search operators that help provide precise search results. For more information, see [Search Operators](#).

Search queries can also be imported into CloudNine™ Explore from a line-delimited text file. When search queries are imported into CloudNine™ Explore, they are automatically added to the saved search queries list on the **Searches** tab in the **Search Request** pane. If you want to use the saved searches from a case in another case, you can export the case's saved search queries to a line-delimited .txt file, and then import the search queries into another case.



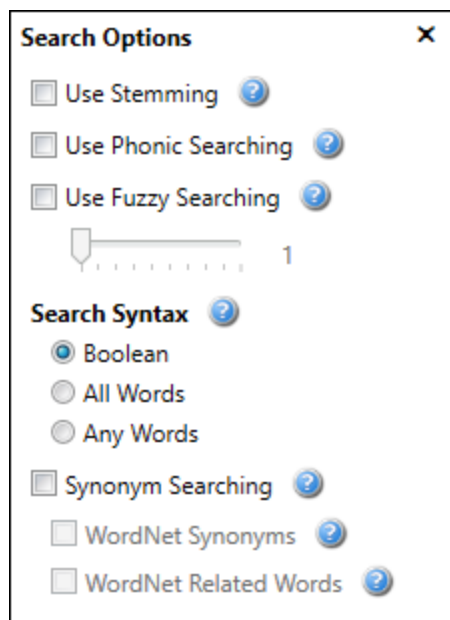
CloudNine™ Explore cannot search for Unicode characters. Any imported searches that include Unicode characters will receive an error message upon import.

On the **Search** tab, tags can be applied to all or individual records in a search query. For more information about tagging documents by search query see [Applying Tags](#).

Configuring Search Options

Before running a search, you should define the search options you want. Settings defined in the **Search Options** apply to all full-text searches.

1. From the **Search** tab for a case, in the **Search Request** pane, click the **Options** button in the upper right. The **Search Options** dialog displays.



2. Select or deselect the options displayed, depending on your search needs for the case.
 - **Use Stemming** - Finds grammatical variations of the term. For example, "fish" also returns "fishing."
 - **Use Phonic Searching** - Finds terms that sound like the search term. For example, "Smith" also returns "Smyth."

- **Use Fuzzy Searching** - Finds words with similar spelling as the search term. For example, the search term "case" might return records that contains cash, cage, cake, etc. You set the fuzzy value to a number between 1-10, with 1 being the least fuzzy and 10 the most.
 - **Search Syntax** - Selects terms according to logical operators and character patterns that you specify that occur within the search string.
 - **Boolean** - Supports standard AND/OR connectors between search terms.
 - **All Words** - Alternative to using Boolean that implies all ANDs and ORs respectively between words. All of the words in the search query must be present in the record for a record to be retrieved in your search results.
 - **Any Words** - Alternative to using Boolean that implies all ANDs and ORs respectively between words. Any of the words in the search query can be located in a record.
 - **Synonym Searching** - Enables synonym searching.
 - **WordNet Synonyms** - Use synonyms from the WordNet thesaurus.
 - **WordNet Related Words** - Use related words from the WordNet thesaurus.
3. Close the **Search Options** dialog. The search option settings are saved and applied to all searches.

Creating and Executing a New Search

1. From the **Search** tab for a case, in the **Search Request** pane, click the **New Search** button on the toolbar. The **New Search** dialog opens.

New Search

Name

Search Set

<none>

Search Term

Search Filters Search Fields Dictionary

Date Range Select a date 15 and Select a date 15

Custodians 0 of 6 selected

Import Sessions 0 of 2 selected

Tags 0 of 1 selected

Folders or Files none selected

Other Searches none selected

Save Save & Search Cancel

2. You may enter a **Name** you want to use for the search query as desired. The **Name** can contain up to 100 characters, and does not have to be unique.
3. If you want to add the search query to a **Search Set**, choose the applicable **Search Set** in the drop-down. Search sets are containers for grouping search queries. The **Search Set** list defaults to <none>. For more information about search sets, see [Organizing Searches](#).
4. In the **Search Term** box, type the search query. Include keyword(s), operators, and add any applicable search filters and/or words directly from the dictionary or field list.
5. Click the **Save & Search** button. The search query is saved and run. Alternatively you can click **Save** to save your search query and run it later.



Instead of **Save & Search**, you can click **Save** to save your search query and run it later. If the query is saved but not run, the **New Search Status** icon displays for the query in the **Searches** list.

- The search results display in the **Document List** (center) of the **Search** tab. The number of records returned in the search results displays at the bottom of the **Document List**. You can click an item in the **Document List** to display it in the **Document Details** pane on the right. If available, click **Document text truncated due to length** to view the extracted text in a text editor. You can also:
 - Click **Launch Source Document** to open the record in a native application or viewer.
 - Scroll through the record to find highlighted search hits.
 - Click the **First**, **Prev**, **Next**, or **Last** button to move between highlighted occurrences of the content in the file.
- Additionally, search results are clustered by field and field value and display on the **Guided Search** tab in the left pane. For more information about guided search, see [Search Results using Guided Search](#).

Editing a Search

- From the **Search** tab for a case, in the **Search Request** pane, select the checkbox to the left of the search you want to edit.
- Click the **Edit Checked Searches** button on the toolbar. The **Edit Search** dialog opens.
- Edit the search query and then click the **Save** or **Save & Search** button. Clicking the **Save** or **Save & Search** button saves your changes and the search query is updated in the saved search queries list on the **Searches** tab.

Applying Search Filters to a Search

In CloudNine™ Explore, you can add search filters to search queries to help fine-tune your query and search results. The search filters are configured on the **Search Filters** tab on the bottom of the **New Search** and **Edit Search** dialogs and include:

- **Date Range** - Searches a specific date range within the filtered case records.
- **Custodians** - Searches the case's selected custodians within the filtered case records.
- **Import Sessions** - Searches the case's selected import sessions within the filtered case records.
- **Tags** - Searches the case's selected tags and/or the untagged documents within the filtered case records.
- **Folders or Files** - Searches the selected folder or file within the filtered case records.
- **Other Searches** - Searches the case's other selected search queries within the filtered case records.

Searches that have filters applied will have a **Filter icon** (funnel) displayed in the **Filters** column on the **Searches** tab of the **Search Request** pane. You can hover your mouse pointer over the **Filter icon** to view the date range and other search filters applied to the search query. The **Filter icon** is not displayed in the **Filters** column for date ranges entered manually in the **Search Term** box or from the **Search Fields** tab.

Adding a Date Range Search Filter

A date range can be added to a search query using a **Date Range** start and end date fields in the **New Search** or **Edit Search** dialog. Date range search filters only look for date range matches within the case's filtered documents. Documents excluded by the case filters are excluded from search queries, including date ranges in search queries. Just like date range filters on the **Filters** tab, **Date Range** search

filters search the sent date for e-mail messages, and the start and end dates for calendar items.

Other date ranges can also be added to a search query by manually entering the applicable date range in the **Search Term** box, or by selecting the applicable fields and dates on the **Search Fields** tab.

1. In the **New Search** or **Edit Search** dialog, select the **Search Filters** tab at the bottom.
2. In the start date field, type the start date or click the calendar button to pick the month, day, and year in the displayed calendar.
3. In the end date field, type the end date or click the calendar button to pick the month, day, and year in the displayed calendar.
4. Click **Save** to save your changes and close the **New Search** or **Edit Search** dialog.

Adding a Custodian Search Filter

1. In the **New Search** or **Edit Search** dialog, select the **Search Filters** tab at the bottom.
2. The **Custodians** link displays the number of custodians selected out of the total number of custodians in the case. Click the **Custodians** link.
3. The **Search Filters - Custodians** dialog displays. All custodians associated with the current case are listed. By default, the custodians are listed in ascending order. To change the sort order, click the **Custodian** column header.
4. Select each custodian you want to include in the search results.
5. Click **OK** to save your selections and close the **Search Filters - Custodians** dialog.
6. The **Custodians** link is updated based on the custodians you selected.

Adding an Import Session Search Filter

1. In the **New Search** or **Edit Search** dialog, select the **Search Filters** tab at the bottom.
2. The **Import Sessions** link displays the number of import sessions selected out of the total number of import sessions in the case. Click the **Import Sessions** link.
3. The **Search Filters - Import Sessions** dialog displays. All import sessions for the current case are listed. By default, the import sessions are listed in ascending order. To change the sort order, click the **Import Session** column header.
4. Select each import sessions you want to include in the search results.
5. Click **OK** to save your selections and close the **Search Filters - Import Sessions** dialog.
6. The **Import Sessions** link is updated based on the import sessions you selected.

Adding a Tag Search Filter

1. In the **New Search** or **Edit Search** dialog, select the **Search Filters** tab at the bottom.
2. The **Tags** link displays the number of tags selected out of the total number of tags in the case. Click the **Tags** link.
3. The **Search Filters - Tags** dialog displays an **[Untagged Documents]** checkbox along with the case's tags. The **[Untagged Documents]** check box determines whether the search query includes documents within the filtered case records that do not have any tags currently applied to them in the search results.



To quickly identify the which filtered documents in the case do not have any tags applied to them, you can create and run a search query with just the **[Untagged Documents]** check box selected.

4. Select the tags you want to include in the search results.
5. Click **OK** to save your selections and close the **Search Filters - Tags** dialog.
6. The **Tags** link is updated based on the tags you selected.

Adding a Folder or File Search Filter

1. In the **New Search** or **Edit Search** dialog, select the **Search Filters** tab at the bottom.
2. The **Folders or Files** link displays **none selected** until a file or folder is selected. Once a file or folder is selected, the **Folders or Files** link displays the file or folder name and its path. Click the **Folders or Files** link.
3. The **Search Filters - Folder or File** dialog displays. All of the case's folders and mail store and archive files are listed.
4. Select the folder or file you want to include in the search results. You can only choose one folder or one file in the **Search Filters - Folder or File** dialog. Files and folders displayed in italics do not contain any source files and cannot be selected. Italic files and folders are displayed to represent the directory structure as it exists on the disk.
5. Click **OK** to save your selections and close the **Search Filters - Folder or File** dialog.
6. The **Folders or Files** link updates based on your selection.

Adding Another Search as a Search Filter

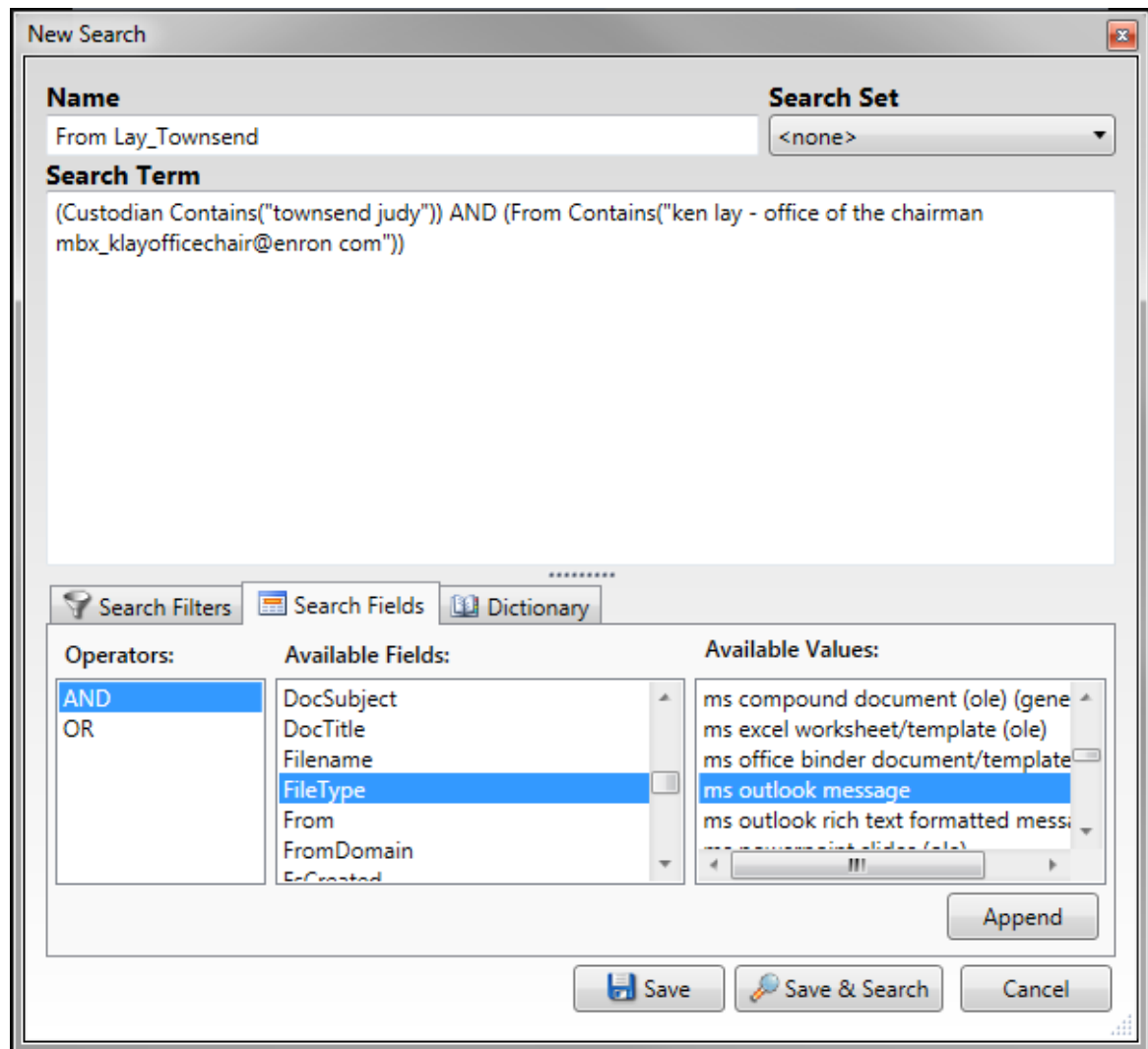
The **Other Searches** filter allows you to use search queries within another search query. If changes are made to a search query that is included in other search queries, the query changes are automatically updated in the search queries that include the changed query.

If a search query included in another search query has an error, the queries containing the search query will also have the error status until the error is corrected in the original search query.

1. In the **New Search** or **Edit Search** dialog, select the **Search Filters** tab at the bottom.
2. The **Other Searches** link displays **none selected** until one or more searches are selected. Click the **Other Searches** link.
3. The **Search Filters - Other Searches** dialog displays. All of the case's saved search queries are listed.
4. Select the search queries you want to include in the search results.
5. Click **OK** to save your selections and close the **Search Filters - Other Searches** dialog.
6. The **Other Searches** link updates based on your selection.

Adding Search Fields to a Search

1. In the **New Search** or **Edit Search** dialog, select the **Search Fields** tab at the bottom.



2. The **Available Fields** box contains all of the metadata fields available for selection. In the **Available Fields** box, click the field you want to add to the search query. If field values are available for the selected field, they are displayed in the **Available Values** box.
3. When you are adding a field to a search, you can add both the field and values or just the field itself to the search query. Click the field value(s) you want to add to the query in the **Available Values** box. If you do not want to include a field value in the search query, do not click any value in the **Available Values** box. When the field is added to the query, the query will display (**<field name> Contains("")**).



If you are adding a field value that contains special characters that dtSearch treats as spaces, CloudNine™ Explore will strip these special characters out of the field value when the value is added to the search query and replace them with spaces. If a field value contains special characters that will be stripped from the value, a caution icon is displayed next to the **Append** button. Place your pointer over the caution icon to view the warning message.



To maximize performance, CloudNine™ Explore limits the viewable list of **Available Values** to 5000. If there are more than 5000 possible values, and the value you want is not shown in the **Available Values** list, you can still type the value in the **Search Term** box and CloudNine™ Explore will still search for it.



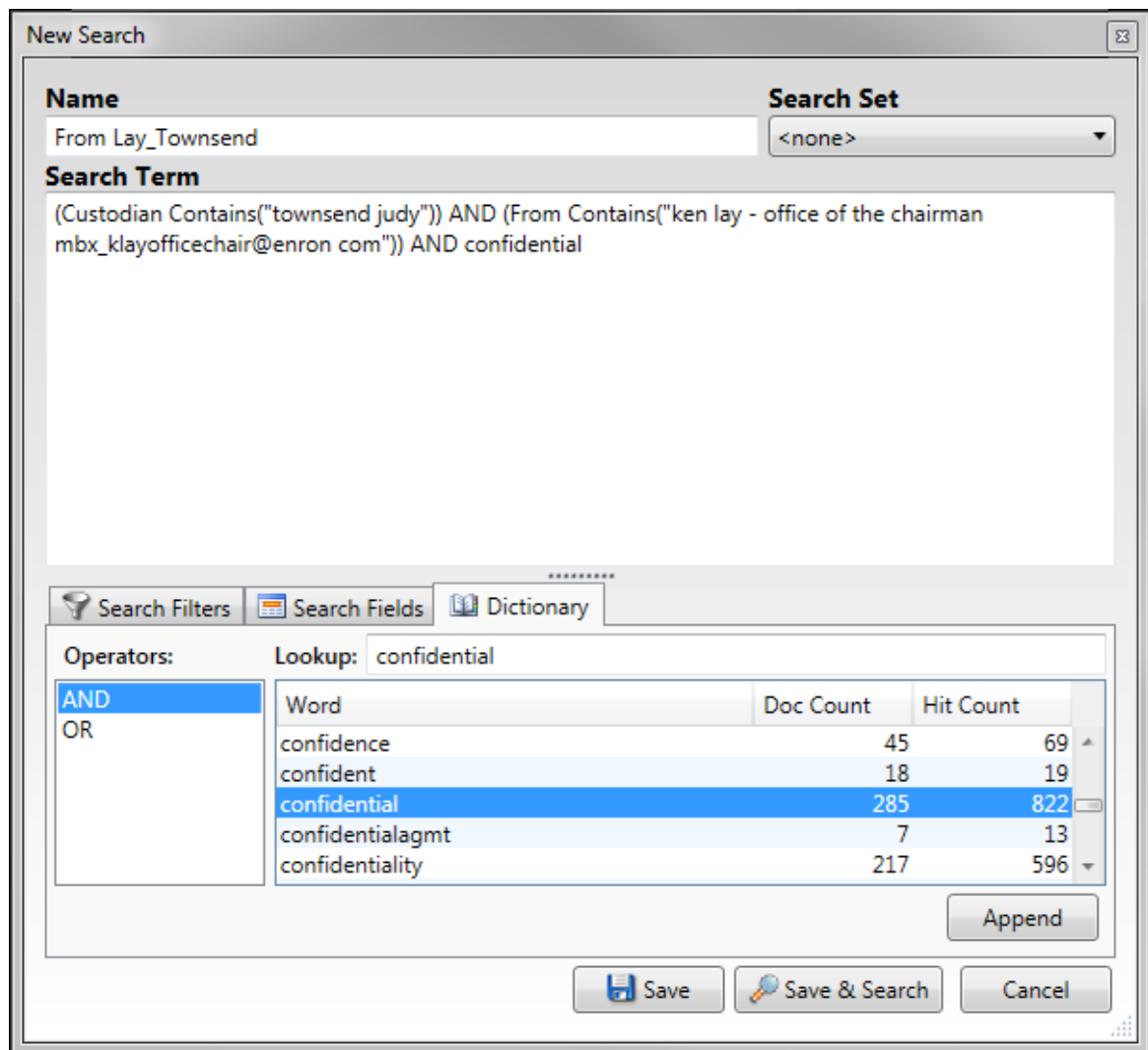
Because of the likelihood of very high numbers of potential values, the email address fields To, CC and BCC do not show available values. You can still type the value in the **Search Term** box and CloudNine™ Explore will still search for it.

4. If this is the first field being added to the search query, the value selected in the **Operators** list is ignored. If you are selecting a second or subsequent field, click **AND** or **OR** from the **Operators** list to define how the fields will be searched. The **Operators** list defaults to **AND**. For more information about the **AND** and **OR** search operators, see [Search Operators](#).
5. Click the **Append** button to add the field and/or field value(s) to the search query in the **Search Term** box. Field terms added to a search query can be edited in the **Search Term** box in the **New Search** or **Edit Search** dialog box.

Adding Dictionary Words to a Search

The dictionary contains words from the records imported into the case that were identified during indexing.

1. In the **New Search** dialog box, click the **Dictionary** tab.



2. In the **Lookup** field, type part or all of the word you want locate in the dictionary. When you begin typing the word, the corresponding dictionary words are listed. The **Word** column displays the dictionary words, the **Doc Count** column displays the number of filtered documents in the case that contain the dictionary word, and the **Hit Count** column displays the number of occurrences of the dictionary word in the filtered case documents.
3. Click the dictionary word you want to add to the search query.
4. If this is the first dictionary word being added, the value selected in the **Operators** list is ignored. If you are selecting a second or subsequent dictionary words, click **AND** or **OR** from the **Operators** list to define how the

dictionary words will be searched. The **Operators** list defaults to **AND**. For more information about the **AND** and **OR** search operators, see [Search Operators](#).

5. Click the **Append** button to add the word to the search query in the **Search Term** box. Dictionary terms added to a search query can be edited in the **Search Term** box in the **New Search** or **Edit Search** dialog box.



If the **Any Words** or **All Words** option is selected in the **Search Options** dialog box, the sequence of words in the query must be wrapped in quotes to prevent the search from inserting Boolean operators (like **AND** or **OR**) between the words in the sequence.

Searching for All Filtered Records

In CloudNine™ Explore, you can create an empty search query. An empty search query is a search query with no text entered in the **Search Term** box in the **New Search** or **Edit Search** dialog box. When you run an empty search query, the search results contain all records currently filtered in the case. If search filters are applied to an empty search query, the search results will contain all records currently filtered on the **Filters** tab and the search filters assigned to the search query.

Like other search queries, an empty search query can be named, assigned to search sets, and can have search filters defined for the empty query. If an empty search query is unnamed, a blank value is displayed for the **Search** in the **Searches** tab in the **Search Request** pane. If an empty search query is named, the **Search** field is displayed in bold italics.

Using Guided Search

When a search query runs in CloudNine™ Explore, all of the records in the search results are displayed in the **Document List**, and the search results are clustered by field and field values on the **Guided Search** tab in the **Search Request** pane. There are nine fields that can be displayed on the Guided Search tab: **Custodian**, **FileType**, **From**, **FromDomain**, **ImportSession**, **IsCompound**, **IsCompoundChild**, **MessageClass**, and **Source**. Out of these nine fields, only those sharing common records in the search results will be displayed on the **Guided Search** tab. The clustered search results are only available on the **Guided Search** tab after running a search query.

The **Guided Search** tab displays the field, field values, and number of search hits for each field value in the search results.

1. Run a new or saved search query. You can also view the search results on the **Guided Search** tab for any up-to-date search query on the **Searches** tab by clicking the up-to-date search on the **Searches** tab.
2. Click the **Guided Search** tab.

The screenshot shows the CloudNine Explore interface with the **Search Request** pane open. The **Guided Search** tab is selected, displaying a list of search results clustered by field values. The **Custodian** field is expanded, showing values like 'custodian a' (30 hits), 'custodian b' (33 hits), 'custodian c' (7 hits), 'custodian d' (1 hit), and 'explore search terms bvt' (1 hit). The **From** field is also expanded, showing values like 'Elizabeth Sager' (11.94 KB) and 'Genia FitzGerald' (79.01 KB). The main pane displays a list of search results, including a document titled 'Conference Call for Collateral Annex Group' from Elizabeth Sager (11.94 KB). The document content is displayed in the right pane, showing a forwarded email from Andy Katz.

3. Click the down arrow next to the field name. The field values and search hit count displays.



If you are viewing search results for the **ImportSession** field, the **ImportSession** field only displays import session IDs for import sessions created in CloudNine™ Explore. For more information about import sessions, see [Import](#).

4. You can click a field value to view the records in the search results containing that value in the document list pane.

Editing Multiple Searches

If you want to make the same changes to multiple search queries, you can edit the search queries simultaneously from the **Edit Searches** dialog. In the **Edit Searches** dialog, you can modify the search set assignment and search filter settings for the selected search queries. You cannot edit the search name or query for multiple searches at the same time.

1. From the **Search** tab for a case, in the **Search Request** pane, select the checkbox to the left of all searches you want to edit.
2. Click the **Edit Checked Searches** button on the toolbar. The **Edit Searches** dialog opens and displays a count of searches you selected for editing. If one or more search filters are selected for any of the selected search queries, the **clear** link is displayed next to the search filter. To remove the search filter selections from all of the selected search queries, click the **clear** link. Otherwise each **Search Filter** displays information about the selected searches:
 - **None Selected** - Nothing is selected for any of the search queries for a specific search filter.
 - **[Specific Value]** - The same search filter value is selected for all of the search queries, and that value is displayed in the search filter link. For example, if the

Date Range start date for each of the search queries is 5/1/2003, then that date is displayed as the **Date Range** start date link.

- **Some filters selected** - Different search filter values are selected for the search queries (except for the **Date Range** filter).
 - **Multiple** - Different dates are selected for the search queries.
 - **All selected** - All search filter values are selected for all of the selected search queries.
3. Modify any **Search Filters** you want. If desired, modify the search set assignment for the searches. The editing sections above provide details on how **Search Filters** and **Search Sets** work. When a **Search Filter** has been modified, a green check mark will display in the **Search Filters** list..
 4. Click the **Save** or **Save & Search** button. Your changes are saved and the search(es) are updated in the **Searches** tab in the **Search Request** pane. The **Filters** column is updated appropriately to display the **Filter icon** for searches that now have filters.

Running Multiple Searches

You can have CloudNine™ Explore run multiple saved search queries at one time. When you run multiple search queries at one time, each search query is run individually against the filtered case files. They are not combined into one query. Once the queries have finished running, you can click the saved query to view the search results in the **Document list**.



When saved searches queries are running, users can continue working in CloudNine™ Explore, but sources cannot be deleted from a case and OCR cannot be performed on documents during the search process.

1. From the **Search** tab for a case, in the **Search Request** pane, select the check-box to the left of all searches you want to run. If you want to run all saved queries, select the check box in the header row.

2. Click the **Run Searches** button at the bottom of the **Search Request** pane. The **Run Searches** button is only enabled when one or more of the saved searches are selected.
3. All of the selected search queries run. When the process is completed successfully, no icon is displayed in the **Status** column for the selected search queries. The **Count** column is updated with the number of search hits found for the selected queries, the **Size** column is updated, the number of searches completed is displayed at the bottom of the **Searches** tab, and the search results are displayed in the **Document list**.

The **Size** column displays the sum of the file sizes of the documents in megabytes. The **Size** value is calculated using family size. A hit directly on an attachment or the parent document will include the entire family. When a parent document contains attachments, the attachments are not included in the file size calculation independently because the parent document file size already reflects the file size of its attachments. This prevents doubling the actual file size of attachments.

Deleting Saved Searches

1. From the **Search** tab for a case, in the **Search Request** pane, select the checkbox to the left of all searches you want to delete.
2. Click the **Delete Searches** button on the toolbar.
3. The **Delete Saved Searches** confirmation dialog displays. Click **Yes** to confirm you want to delete the selected searches, or **No** to cancel the delete operation.
4. Any deleted searches are removed from the case. The **Search Request** pane updates to reflect the changes made.

In CloudNine™ Explore, you can use **Search Sets** to help organize your search queries on the **Search** tab. **Search Sets** are containers for grouping search queries, and are displayed at the bottom of the search list on the **Searches** tab in the

Search Request pane. To distinguish **Search Sets** from search queries in the search list, **Search Sets** are displayed as a gray bar in the search list, and the search set name is displayed in **bold standard** text.

- **Search Sets** in the search list can be expanded and collapsed by clicking the search set row or clicking the expand and collapse buttons next to the **Search Set** name. A **Search Set** will not be displayed in the search list until one or more searches are added to it. If you remove all searches from a **Search Set**, it will no longer be displayed in the search list.

Searches are assigned to **Search Sets** from the **Search Set list** in the **New Search Term** and **Edit Search** dialog boxes.


The screenshot shows the 'Search Request' interface with a table of search results. A red box highlights a section containing search sets and their associated searches.

ID	Status	Search	Filters	Tags	Count	Size	
1		Morgan Stanley			24	1.8	edit
2		skilling			11	0.1	edit
3		deathstar			0	0.0	edit
9		boot			2	2.1	edit
11		La Jolla			0	0.0	edit
12		confidential			117	9.1	edit
13		employee			119	5.6	edit
54					4,273	108.6	edit
55		Untagged Docu...			4,272	108.6	edit
Search Set 1							
5		wholesale			253	8.5	edit
6		campos			64	2.8	edit
Search Set 2							
7		campos			64	2.8	edit
8		boot			2	2.1	edit
Search Set 3							
4		law			4,273	108.6	edit

14 of 14 completed Run Searches

[Index Management](#)

When a **Search Set** contains two or more search queries, a check-box appears next to that **Search Set** name when you place your pointer to the left of it. Selecting this check-box will select the check-boxes for each search query in that **Search Set**. Clearing the check-box clears the check-boxes for each search query in that set.

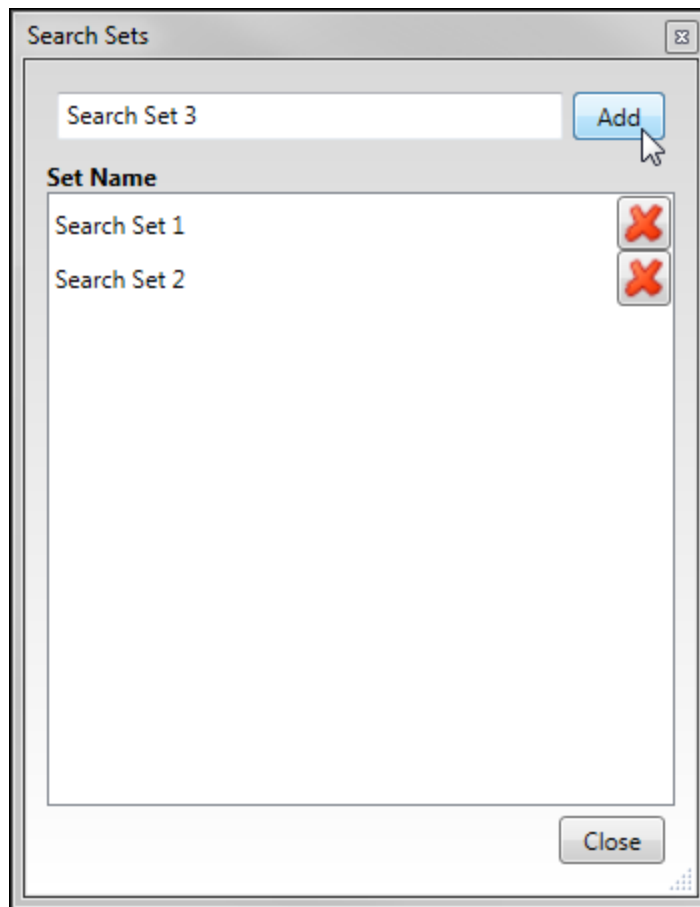


Search Set 1					
<input checked="" type="checkbox"/>	5	wholesale	253	8.5	edit
<input checked="" type="checkbox"/>	6	campos	64	2.8	edit

When you select or clear the check-box next to the ID column at the top of the search list on the **Searches** tab in the **Search Request** pane, all search queries (including search queries in **Search Sets**) are automatically selected or cleared.

Creating a Search Set

1. From the **Search** tab for a case, in the **Search Request** pane, click the **Search Sets** button in the Search Toolbar. The **Search Sets** dialog displays.



2. In the edit field at the top, type the name of the **Search Set** you want to create. Names can be up to 250 characters long.
3. Click the **Add** button. The new **Search Set** displays in the **Set Name** list.
4. Click the **Close** button to return to the **Search** tab.

A **Search Set** is not displayed in the search list on the **Searches** tab until one or more searches are added to it.

Adding a Search to a Search Set

Searches can be added to a **Search Set** when creating a search query in the **New Search** dialog box, and saved searches can be added by selecting the desired **Search Set** in the **Edit Search Term** or **Edit Searches** dialog box.

To add a new search to a search set:

1. From the **Search** tab for a case, in the **Search Request** pane, click the **New Search** button on the Search Toolbar. The **New Search** dialog displays.
2. When you are creating the search query, in the **Search Set** list, click the set to which you want to add the search query.
3. When you are finished creating the search query, click the **Save & Search** button.

Clicking the **Save & Search** button saves and runs the search query. The new search is displayed under the **Search Set** in the search list on the **Searches** tab.

To add a search to a search set:

1. From the **Search** tab for a case, in the **Search Request** pane, click the **edit** link next to the search query you want to add to a **Search Set**. The **Edit Search** dialog displays.
2. In the **Search Set** list, click the set to which you want to add the search query.
3. Click the **Save** button.

Clicking the **Save** button adds the search query to the **Search Set** in the search list on the **Searches** tab. If the search query did not belong to another set, the search query is moved from the main list of saved searches to the **Search Set**. If the search query was assigned to another set, clicking the **Save** button moves the search query from the previous set to the selected **Search Set** in the search list.

To add multiple searches to a search set:

1. From the **Search** tab for a case, in the **Search Request** pane, select the saved search queries you want to add to a **Search Set**.
2. Click the **Edit Searches** button on the Search Toolbar. The **Edit Searches** dialog displays.
3. In the **Search Set** list, click the set to which you want to add the search queries.
4. Click the **Save & Search** button.

Clicking the **Save & Search** button adds the search queries to the **Search Set** in the search list on the **Searches** tab. If the search queries did not belong to another set, the search queries are moved from the main list of saved searches to the **Search Set**. If the search queries were assigned to another set, clicking the **Save & Search** button moves the search queries from the previous set to the selected **Search Set** in the search list.

Removing a Search from a Search Set

Search queries are removed from **Search Sets** in the **Edit Search Term** or **Edit Searches** dialog box.

To remove a search from a search set:

1. From the **Search** tab for a case, in the **Search Request** pane, click the **edit** link next to the search query you want to add to a **Search Set**. The **Edit Search** dialog displays.
2. In the **Search Set** list, if you want to assign the search query to another set, click the **Search Set** to which you want to move the search query. If you do not want the search query to be assigned to any set, click **<none>** in the **Search Set** list.
3. Click the **Save** button.

Depending on what you selected in the **Search Set** list, clicking the **Save** button either moves the search query to another **Search Set** or the main **Saved Searches** list on the **Searches** tab.

If you remove a search query from a **Search Set** and there are no longer any search queries assigned to that set, it will no longer be displayed in the search list on the **Searches** tab in the **Search Request** pane until one or more search queries are assigned to it.

To remove multiple searches from a search set:

1. From the **Search** tab for a case, in the **Search Request** pane, select the saved search queries you want to add to a **Search Set**.
2. Click the **Edit Searches** button on the Search Toolbar. The **Edit Searches** dialog displays.
3. In the **Search Set** list, if you want to assign the search queries to another set, click the **Search Set** to which you want to move the search queries. If you do not want the search queries to be assigned to any set, click **<none>** in the **Search Set** list.
4. Click the **Save & Search** button.

Depending on what you selected in the **Search Set** list, clicking the **Save & Search** button either moves the search queries to another **Search Set** or to the main **Saved Searches** list on the **Searches** tab.

If you remove a search query from a **Search Set** and there are no longer any search queries assigned to that set, it will no longer be displayed in the search list on the **Searches** tab in the **Search Request** pane until one or more search queries are assigned to it.

Editing a Search Set

1. From the **Search** tab for a case, in the **Search Request** pane, click the **Search Sets** button in the Search Toolbar. The **Search Sets** dialog displays.
2. In the **Set Name** list, click the **Search Set** name you want to edit. Clicking the name displays that name in the text box at the top
3. Edit the name.
4. Click the **Save** button.

Clicking the **Save** button saves your changes and updates the **Search Set** name in the search list on the **Searches** tab and other areas of CloudNine™ Explore.

Changing the name of a **Search Set** does not affect the current status of the search queries in the edited set.

Deleting a Search Set

You can delete a **Search Set** at any time. If a set currently contains search queries when you delete it, the **Search Set** will be deleted and its queries will be moved to the main **Saved Searches** list on the **Searches** tab in the **Search Request** pane. Deleting a set does not delete the search queries in that set.

1. From the **Search** tab for a case, in the **Search Request** pane, click the **Search Sets** button in the Search Toolbar. The **Search Sets** dialog displays.
2. In the **Set Name** list, click the delete button next to **Search Set** you want to delete. That set is removed from the list.
3. Click the **Save** button. Clicking the **Save** button deletes that set from the **Set Name** list.
4. Click the **Close** button. Clicking the **Close** button deletes that set from the search list on the **Searches** tab and other areas of CloudNine™ Explore, and adds its search queries to the main **Saved Searches** list on the **Searches** tab.

Deleting a **Search Set** does not affect the current status of the search queries that were in the deleted set.

Search Operators allow you to write your own advanced queries to garner stronger search results from your case records. Once you learn how to use **Search Operators**, you start utilizing complex searches that will help you locate information that might otherwise takes hours of review to uncover.

Searching in CloudNine™ LAW, CloudNine™ Explore, and CloudNine™ Explore Web is not case sensitive, so you do not have to enter all caps when typing in **Search Operators**. You should type spaces between search terms and the operator (LayK AND LangW), except when searching with characters or using symbols and punctuation. For more information, refer to the Search Operators table below.

There are several different types of **Search Operators**:

- **Document Level (Boolean)** - Boolean operators are based on the binary logic used in computers today, producing strict true or false results. In CloudNine™ LAW, CloudNine™ Explore, and CloudNine™ Explore Web, Boolean operators search at the document level. Boolean operators used in CloudNine™ LAW, CloudNine™ Explore, and CloudNine™ Explore Web include AND, OR, and AND NOT.
- **Field Level (Context)** - Context operators search at the field level. The search term you are trying to locate may still exist elsewhere in your case data (in another field or spreadsheet), you are just narrowing your search to one field. CloudNine™ LAW, CloudNine™ Explore, and CloudNine™ Explore Web use the search operator CONTAINS to locate text within a specified field. An alternative to typing CONTAINS is typing double colons (::). When you use this option, you must have a space before and after the double colons. Field names must have quotes around them. For example, when you search the Author field, your query should be typed as: "Author".
- **Word Level (Proximity)** - Proximity operators search at the word level and are useful when looking for content that appears in records either in direct succession, adjacent order, or in close succession to each other within a specified range. This number refers to the maximum number of intervening indexed words.
- **Character Level (Wild-cards)** - Wild-card operators are symbols you can use as a substitute for characters or series of characters in a search term, creating

a broader search with stronger results. Using wild-card characters helps you locate:

- Variations on a root word
- Possible misspellings of a name or word
- Words or names that might include punctuation (apostrophes)

Search Operators		
Operator	Query	Results
DOCUMENT LEVEL		
AND contains both words	lay AND lang	Finds all records with both the words: lay and lang
OR contains either word	lay OR lang	Finds all records with either lay or lang, or both
AND NOT contains first word, but not second	lay AND NOT lang	Finds all records with lay, but not lang
WORD LEVEL		
w/5	lay w/5 lang	Finds lay within five words of lang
not w/12	lay not w/12	Finds lay where it is not within 12 words of lang

Importing Searches

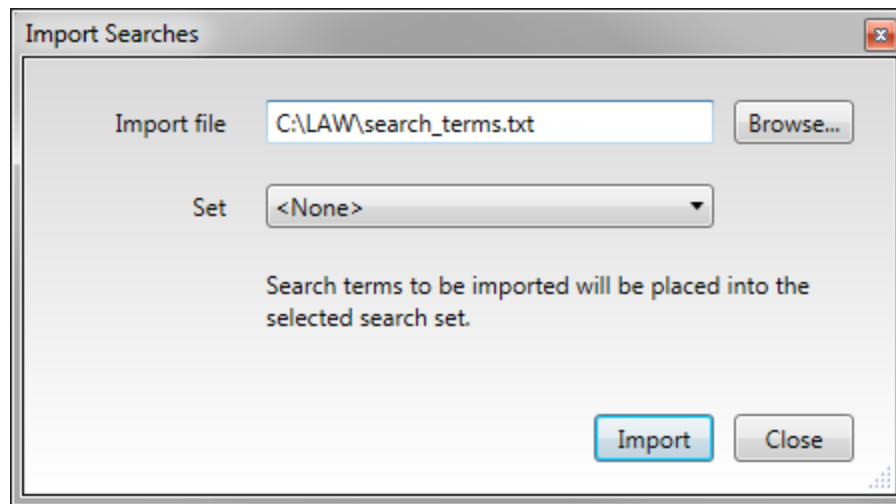
On the **Search** tab, search queries can be created and saved manually or imported from a line-delimited .txt file. Up to 5000 search queries in a line-delimited .txt file can be imported at one time. You can import duplicate search queries, but you can only import one instance of a search query at a time.

If there are duplicate search queries in the line-delimited .txt file you are using, only one instance of the duplicate search query will be imported. If duplicate search queries are identified in the .txt file, the following message is generated during the import:

*Search term import complete, [# of search queries] search terms were imported.
[# of duplicate search queries] duplicate search terms were detected and not added.*

CloudNine™ Explore does allow you to import the same search multiple times into the same case. When the .txt file you are importing contains a search that already exists in the case, the import will add the duplicate search query to the case. For example, if you import the same .txt file three times into a case, there will be three instances of each search query from the .txt file added to the case.

1. From **Case Manager** double-click a case.
2. On the **Search** tab, in the **Search Request** pane, click **Import** on the Search Toolbar. The **Import Searches** dialog displays.



3. Click **Browse**. A file browser dialog displays.
4. Navigate to and select the search query .txt file you want to import, and then click the **Open** button. The path and file name you selected are displayed as the **Import file**.
 - i. When you are importing search queries into CloudNine™ Explore Web, you can designate whether the search queries are imported into a specific search set or the main saved searches list in the **Search Request** pane using the **Set** list in the **Import Searches** dialog box.
5. In the **Set** list, do one of the following:
 - Click **<none>** to import the search queries into the main saved searches list.
 - Click the search set you want to import the search queries to.



For more information about search sets, see [Organizing Searches](#).

6. Click the **Import** button. A message displays indicating the number of search queries imported.
7. Click **OK** to close the message.

The search queries are imported and added to the **Saved Search Queries** list on the **Searches** tab in the **Search Request** pane, and the **New icon** is displayed in the **Status** column for the imported search queries.

Exporting Searches

Saved searches on the **Search** tab can be exported from CloudNine™ Explore to a line-delimited .txt file. Only the text entered in the **Search Term** box in the **New Search** or **Edit Search** dialog box is exported. Search names, search sets, and filters assigned to a search query are not exported, and empty search queries are not exported.

If there are duplicate search queries in the saved searches list, only one instance of the search query will be exported to the .txt file.

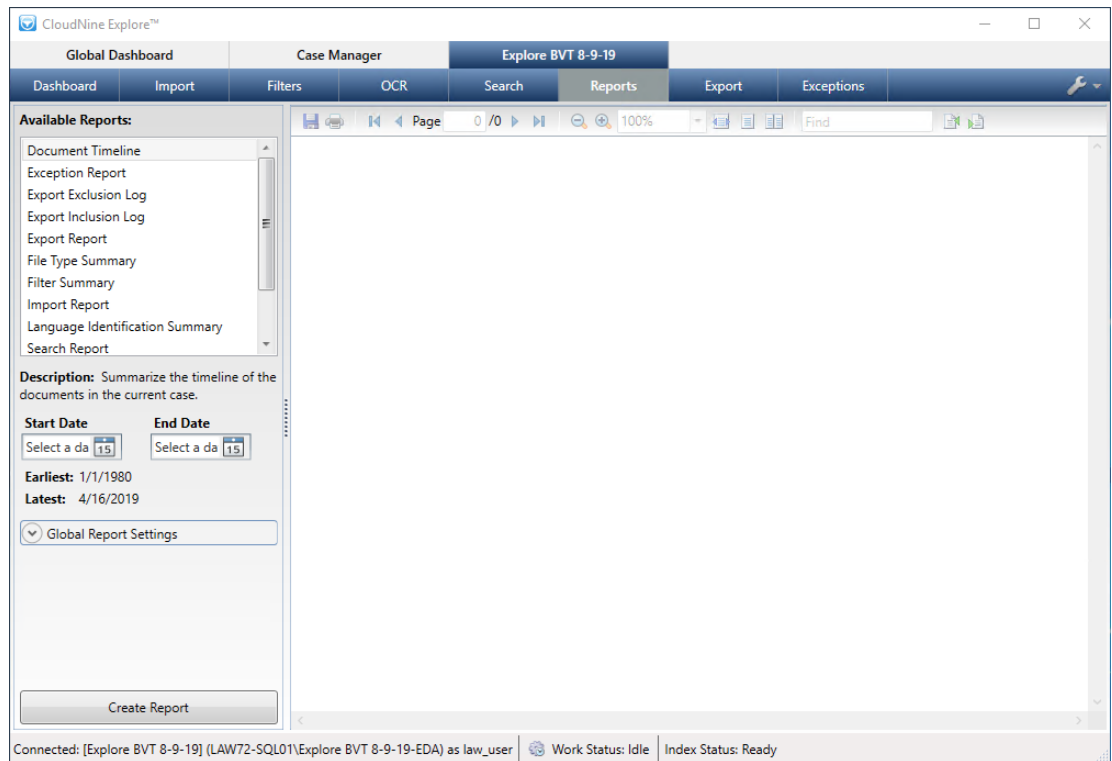
1. From **Case Manager** double-click a case.
2. On the **Search** tab, in the **Search Request** pane, click **Export** on the Search Toolbar. The **Save Search Terms to File** dialog displays. By default, the search queries are exported to the case's directory, and the default **File Name** field is "Exported search terms.txt".
3. If you want to change where the file is saved to, browse to the new location.
4. If you want to change the exported file name, modify the **File Name**.
5. Click the **Save** button.

Clicking **Save** exports all the case's saved search queries (except empty and duplicate search queries) to the line-delimited .txt file. The export includes saved search queries located in **Search Sets**.

Reports

Within a top-level case tab in CloudNine™ Explore, you can access the **Reports** tab to choose from several available reports to generate. After you generate a report, you can copy or print the text.

The **Reports** tab displays in two panes: **Available Reports** on the left, and **Report Display** on the right.



The following log and reports do not include mail store files, such as .pst and .nsf files, or archive files, such as .zip files:



- **Export Exclusion Log**
- **Export Report**
- **File Type Summary**
- **Filter Summary**

The reports available in CloudNine™ Explore are listed in the following table.

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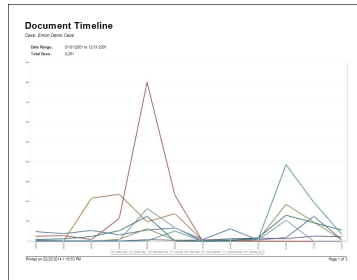
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Provides a two-part summary report of the frequency of items occurring between two dates that you select.

In the first part, a line chart shows a frequency of documents in the case for each custodian.

In the second part, a table depicts the occurrence of each custodian for e-mails



Monthly, Buckle

Year-Month	#Items	#Emails	Year-Base	Count/Day	Percent of Total
2017-01	0	0	0	0.00%	0.00%
2017-02	0	0	0	0.00%	0.00%
2017-03	0	0	0	0.00%	0.00%
2017-04	0	0	0	0.00%	0.00%
2017-05	0	0	0	0.00%	0.00%
2017-06	0	0	0	0.00%	0.00%
2017-07	0	0	0	0.00%	0.00%
2017-08	0	0	0	0.00%	0.00%
2017-09	0	0	0	0.00%	0.00%
2017-10	0	0	0	0.00%	0.00%
2017-11	0	0	0	0.00%	0.00%
2017-12	0	0	0	0.00%	0.00%
2018-01	0	0	0	0.00%	0.00%
2018-02	0	0	0	0.00%	0.00%
2018-03	0	0	0	0.00%	0.00%
2018-04	0	0	0	0.00%	0.00%
2018-05	0	0	0	0.00%	0.00%
2018-06	0	0	0	0.00%	0.00%
2018-07	0	0	0	0.00%	0.00%
2018-08	0	0	0	0.00%	0.00%
2018-09	0	0	0	0.00%	0.00%
2018-10	0	0	0	0.00%	0.00%
2018-11	0	0	0	0.00%	0.00%
2018-12	0	0	0	0.00%	0.00%
2019-01	0	0	0	0.00%	0.00%
2019-02	0	0	0	0.00%	0.00%
2019-03	0	0	0	0.00%	0.00%
2019-04	0	0	0	0.00%	0.00%
2019-05	0	0	0	0.00%	0.00%
2019-06	0	0	0	0.00%	0.00%
2019-07	0	0	0	0.00%	0.00%
2019-08	0	0	0	0.00%	0.00%
2019-09	0	0	0	0.00%	0.00%
2019-10	0	0	0	0.00%	0.00%
2019-11	0	0	0	0.00%	0.00%
2019-12	0	0	0	0.00%	0.00%
2020-01	0	0	0	0.00%	0.00%

Weekly, Buckle

Year-Month	#Items	#Emails	Year-Base	Count/Day	Percent of Total
2017-01	0	0	0	0.00%	0.00%
2017-02	0	0	0	0.00%	0.00%
2017-03	0	0	0	0.00%	0.00%
2017-04	0	0	0	0.00%	0.00%
2017-05	0	0	0	0.00%	0.00%
2017-06	0	0	0	0.00%	0.00%
2017-07	0	0	0	0.00%	0.00%
2017-08	0	0	0	0.00%	0.00%
2017-09	0	0	0	0.00%	0.00%
2017-10	0	0	0	0.00%	0.00%
2017-11	0	0	0	0.00%	0.00%
2017-12	0	0	0	0.00%	0.00%
2018-01	0	0	0	0.00%	0.00%
2018-02	0	0	0	0.00%	0.00%
2018-03	0	0	0	0.00%	0.00%
2018-04	0	0	0	0.00%	0.00%
2018-05	0	0	0	0.00%	0.00%
2018-06	0	0	0	0.00%	0.00%
2018-07	0	0	0	0.00%	0.00%
2018-08	0	0	0	0.00%	0.00%
2018-09	0	0	0	0.00%	0.00%
2018-10	0	0	0	0.00%	0.00%
2018-11	0	0	0	0.00%	0.00%
2018-12	0	0	0	0.00%	0.00%
2019-01	0	0	0	0.00%	0.00%
2019-02	0	0	0	0.00%	0.00%
2019-03	0	0	0	0.00%	0.00%
2019-04	0	0	0	0.00%	0.00%
2019-05	0	0	0	0.00%	0.00%
2019-06	0	0	0	0.00%	0.00%
2019-07	0	0	0	0.00%	0.00%
2019-08	0	0	0	0.00%	0.00%
2019-09	0	0	0	0.00%	0.00%
2019-10	0	0	0	0.00%	0.00%
2019-11	0	0	0	0.00%	0.00%
2019-12	0	0	0	0.00%	0.00%
2020-01	0	0	0	0.00%	0.00%

Generating Reports

1. Click the **Case Manager** tab.
2. Double-click a case.
3. Click the **Reports** tab. From **Available Reports** on the left, select the report to generate.
4. Configure the report if needed. See details below. Configuration settings for each report are automatically saved for the case, and will apply to the same report each time you run the report for the case until you modify them again.
5. To add a custom logo to the report, click **Global Report Settings**, select **Display Logo on Reports**, and then browse to an image file to use as the custom logo.
6. Click **Create Report**. The report is generated and displayed in the right pane.
7. After the report displays, you can use the toolbar above the display pane to:
 - Print the report - Clicking the Print icon displays a **Print** dialog allowing you to select and configure how you want to print the report.
 - Save the report to a PDF or XLS file - Clicking the Save icon displays the **Save Report As** dialog allowing you to navigate to and provide a **File name** for saving the report.
 - Navigate through pages of the report
 - Adjust the view of the report on the screen
 - Search for text within the report - Type the text you want to locate within the report in the **Find** text box. The toolbar updates to show the number of hits for that text, and allows you to navigate through them.

Configuring the Document Timeline Report

1. In **Start Date**, type the start date or click the calendar button to select a start date. **Start Date** defaults to 01/01/1900. The earliest document date in the case is displayed in the **Earliest** field.
2. In **End Date** field, type the end date or click the calendar button to select an end date. **End Date** defaults to 12/31/9999. The latest document date in the case is displayed in the **Latest** field.

Configuring the Export Report

1. Select the **Export Name** you want to view in the **Export Report**.
2. Select the **File size format** you want to use for the report (GB for gigabytes or MB for megabytes).

Configuring the Filter Summary Report

1. From the list of **Settings**, select which items you want to be included in the **Detailed Filter Settings** section of the report.
2. Select the **File size format** you want to use for the report (GB for gigabytes or MB for megabytes).



The **Detailed Filter Settings** section does not include the **Duplicate Document Filter**.

Configuring the Import Report

1. From the list of **Settings**, select which items you want to be included in the report.
 - a. If **Show by sessions section** is selected, do the following to customize Import Sessions:
 - i. Select **Show only selected sessions**.
 - ii. Click **Edit** next to **Show only selected sessions**. The **Import Report - Manage Sessions** dialog displays.
 - iii. Select the import sessions you want included in the report. By default all sessions are included.
 - iv. Click **OK** to save your selections and close the dialog.
 - b. If **Show by custodians section** is selected, do the following to customize Custodians:
 - i. Select **Show only selected custodians**.
 - ii. Click **Edit** next to **Show only selected custodians**. The **Import Report - Manage Custodians** dialog displays.
 - iii. Select the custodians you want included in the report. By default all custodians are included.
 - iv. Click **OK** to save your selections and close the dialog.
2. Select the **File size format** you want to use for the report (GB for gigabytes or MB for megabytes).

Configuring the Search Report

1. From the list of **Settings**, select which items you want to be included in the report.
 - a. If **Show only selected custodians** is selected, you can customize the custodians to include in the report using the associated **Edit** link.

- b. If **Show only selected searches** is selected, you can customize the searches to include in the report using the associated **Edit** link.
2. Select the **File size format** you want to use for the report (GB for gigabytes or MB for megabytes).

Generating Export Logs

The **Export Exclusion Log** or **Export Inclusion Log** is generated based on the export set currently selected on the **Export** tab in CloudNine™ Explore.

1. On the **Reports** tab, select **Export Exclusion Log** or **Export Inclusion Log** from the **Available Reports** list.
2. Click the **Generate Log** button. A save dialog box opens.
3. Browse to where you want to save the log file, and type a **File name** for the log. The **Save as type** field defaults to **Text (*.txt)**.
4. Click **Save**. A dialog displays after the log is generated.
5. Click **Yes** to open a File Explorer window to the log location. Double-click the log file to view in the associated editor.



The **Export Exclusion Log** and **Export Inclusion Log** are populated after running an export. If you generate the logs before exporting data, the logs will not be populated.

Generating the User Audit Log

1. On the Reports tab, select **User Audit Log**.
2. Click the **Generate Log** button. The **Save User Audit Log** dialog opens.

3. Browse to where you want to save the log file, and type a **File name** for the log. The **Save as type** field defaults to **Text (*.txt)**.
4. Click **Save**. A dialog displays after the log is generated.
5. Click **Yes** to open a File Explorer window to the log location. Double-click the log file to view in the associated editor.

The **User Audit log** contains the following columns:

Column	Description
Audit ID	Sequential numbering for audits
TimeStamp	GMT time stamp when the action was performed
UserName	User-name of the user who performed the action
Action	Action performed by the user
Type	Identifier for the action that took place
AffectedID	ID of the item (search, document, filter, exception) that the action was performed on
AffectedDescription	Brief description of the item that was acted on.
Value	Value of the affected item after the change was made

Value Data

This column is only populated when tags are linked to items. The

The following user actions are tracked and displayed in the **Action** column of the **User Audit Log**:

Action Name	Description
FilterDefinitionChanged	One or more documents present in a filter category were excluded from the production set.
FilterDefinitionValueChanged	There was a change made in the filter condition under Date Range Filters .
FilterDefinitionAdded	A new filter condition was added under Date Range Filter .
FilterDefinitionTagAdded	Documents present in a filter category were group tagged.
FilterDefinitionTagRemoved	Group tagged documents present in a filter category were untagged.
FilterDefinitionDeleted	A filter definitions was removed from the filter group.

Export

Exports are the final output from CloudNine™ Explore. There are three types of exports available in CloudNine™ Explore:

- **LAW Direct Export** - CloudNine™ Explore exports files directly into a new or existing CloudNine™ LAW case file. ED Loader is not used.
- **Native File Export** - CloudNine™ Explore generates a DAT load file, along with native files and text files, for importing into CloudNine™ Concordance®, kCura® Relativity®, or other applications that support a DAT load file. The native file export can also generate an EDRM XML version 1.0 load file, along with native files and text files for importing into products that support EDRM XML version 1.0. The files generated by the native file export are saved to an export output directory.
- **Native Subset Export** - Created for existing native exports in CloudNine™ Explore. Before a native subset export set can be created and exported, the parent native export set must exist in the case. Native subset exports can be used to speed up the file review for a case by only exporting the native files for specific CloudNine™ Explore IDs or specific export numbers. Like the native file export, CloudNine™ Explore can generate a DAT load file along with native files and text files for importing into CloudNine™ Concordance®, kCura® Relativity®, or other applications that support a DAT load file. The native subset export can also generate an EDRM XML version 1.0 load file, along with native files and text files for importing into products that support EDRM XML version 1.0. The files generated by the native subset export are saved to an export output directory.

Depending on which type of export you use in CloudNine™ Explore, the export process passes filtered/tagged files directly to a new or existing CloudNine™ LAW case, or to the native file export directory. The export process involves two steps. First, you generate an **Export Set**, which contains the saved export settings and the list of items that will be exported. Second, you send the export set to a new or existing CloudNine™ LAW case, or to the native file export directory. You can create

multiple export sets for a case in CloudNine™ Explore, and can use the same export set for multiple exports (such as for rolling productions).

You can also save export settings to an **Export Profile**, which can be applied to other exports in the case or other cases.

Before you generate an **Export Set** it is recommended you check the following:

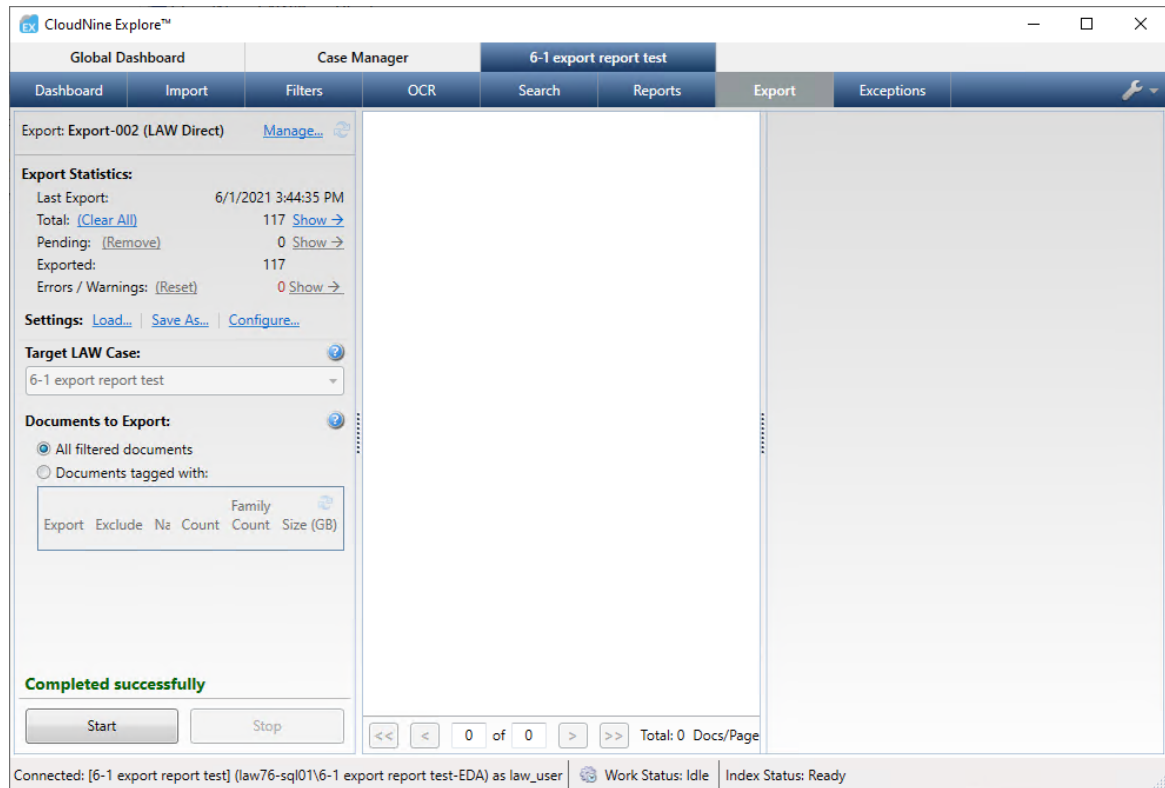


- **Have all custodians been committed?** If a custodian has been set up with source files but not committed, none of its items will be available for export. For more information on setting up custodians and importing sources, see [Importing](#).
- **Are filters and tags appropriately configured?** The contents of the export directly reflect whatever filtering and/or tagging is in place at the time the set is generated. For more information on configuring filtering in CloudNine™ Explore, see [Filtering](#). For more information on tagging files, see [Tagging](#).



LAW Direct exports can not be exported to Turbo Import enabled cases. Only EDRM XML Native exports can be imported into Turbo Import enabled cases.

Within a top-level case tab in CloudNine™ Explore, exports are created from the **Export** sub-tab.



Opening an Export Set

When you open the **Export** tab after an **Export Set** has been created, the **Export** tab displays the set last created for the case. If you want to open a different set for the case, click the **Manage** link next to the **Export** field at the top of the **Export Settings** pane.

1. Click the **Case Manager** tab.
2. Double-click a case to open it.
3. Click the **Export** tab. The last created **Export Set** displays.
4. Click the **Manage** link next to the **Export** field at the top of the **Export Settings** pane.
5. In the **Active** column, select the circle next to the set you want to open.

6. Click **Done**. The selected data set displays.

If you want to export additional files from the case using an existing **Export Set**, the new files will be appended to the existing files in the export, and the .dat and/or .xml file already generated for the set will be appended with the file information for the new files.

If you need to remove the new items added to an **Export Set**, or any items not yet exported from the export set, you can click the **Remove** link next to the **New** field in the **Export Statistics** section to remove those files from the set. After clicking the **Remove** link, click **Yes** when asked, *Are you sure you want to remove all new/not-exported items from the export set?*

If you want to reuse an existing **Export Set** for a new export, you can clear the export statistics, the item list, and item details that were generated previously for the that set by clicking the **Clear All** link next to the **Total** field in the **Export Statistics** section, and then clicking **Yes** when asked, *Are you sure you want to remove ALL items from the export set?* When you click the **Clear All** link, all options associated with that set are retained.

Use caution when clearing an **Export Set**. The **Clear All** link can increase the risk of introducing duplicates into a CloudNine™ LAW case, .dat file, or .xml file.

If you need to change filtering in CloudNine™ Explore and then export to the same CloudNine™ LAW case a second time, try opening the target CloudNine™ LAW case and then remove previously added items. Alternatively, create a new CloudNine™ LAW case instead of re-exporting to an existing case.



For native exports, clicking the **Clear All** link only removes the files in the **Export Set** from the set itself, it does not affect the files exported to the output directory. If you export new files using the same set, the new files are appended to the existing files and the existing .dat and .xml files in the export output directory. If you only want the new files to be exported, you will need to delete the existing files in the export output directory before re-running the export for that set..



You can generate **Export Sets** multiple times from a CloudNine™ Explore case for export to the same CloudNine™ LAW case. This process is additive. Each time you create a new set and then export to CloudNine™ LAW, only new items are added to the case.

Export Statistics

The **Export Statistics** section in the left pane of the **Export** tab displays details relevant to the most recent export run for the export type selected.

- **Last Export** - The date and time the last export of this type was completed.
- **Total** - The count for all top level items in the **Export Set**. Parent files are counted, but attachments are not. The contents of containers are included, but the container itself is not. Note that attachments are not counted even if they are tagged, because they are considered “family members” of the parent, and attachments are already counted in the **Family Count**.
- **Family Count (Explore)** - Appears for CloudNine™ LAW exports only, representing the total number of items expected to be exported. The items counted are expanded from the top level items, so an email item with two attachments would be counted as a total of three items, but an archive containing two attachments would be counted as a total of two items because the archive itself is treated as a folder.
- **New** - This value is updated when the export is complete, reflecting the number of items that were queued for export. This number should be zero immediately after export.
- **Exported** - The total number of items sent to LAW to be processed by ED Loader. For CloudNine™ LAW exports, this number should be the same as **Family Count** (Explore). If it is not, there should be error message(s) to indicate which items ran into issues during the export.
- **Family Count (LAW)** - The total number of items actually exported from CloudNine™ Explore to CloudNine™ LAW, appearing only for CloudNine™

LAW exports. The items counted are expanded from the top level items, so an email item with two attachments would be counted as a total of three items, but an archive containing two attachments would be counted as a total of two items because the archive itself is treated as a folder.



Embedded mail stores are not included in the totals.

Export Summary Report

After export, Explore displays a summary report with the following information:

- **Items Discovered** - Total number of items written to LAW, including emails, attachments, archives, and archive items.
- **Records Written to LAW** - The number of records created in LAW. This number may be smaller depending on ED Loader settings, or larger if ED Loader finds embedded items.
- **Emails** - Number of emails written to LAW.
- **Attachments** - Number of attachments (both email attachments and embedded documents) written to LAW.
- **Archives** - Number of archives written to LAW. Archives can include ZIP, PST, and NSF files and others.
- **Archive Items** - Number of items written to LAW from archives, not counting the archive itself.
- **Size Processed** - Total size processed, including emails, attachments, archives, and archive items.
- **Messages** - The number of error messages generated by the export. Click the **Show** link next to the number of error messages to display the errors in the **Viewer** pane.

Viewing and Saving Native and LAW Direct Export Errors

The number of errors encountered during an export is displayed in the **Errors** field in the **Export Statistics** section. Errors encountered during a native export or LAW Direct export can be written to a .csv text file, and the files returned with errors can be viewed in CloudNine™ Explore by clicking the **Show** link next to the **Errors** field.

The export logs two types of errors:

- **File Not Found** - File Not Found errors occur when the export cannot locate the original file or container for the exported record. For native exports, when a **File Not Found** error occurs, no record will be added to the load file for the missing file.
- **Extraction Error** - An Extraction Error indicates that the export was unable to extract an embedded file that was included in the export. For native exports, when an Extraction Error occurs, a record is added to the load file and a text file containing the details of the error is exported in place of the native file to serve as a placeholder. An **Extraction Error** generally indicates a bug or problem with the export.

If an export fails, instead of encountering errors, the message **Export Failed** and the **View Details** button are displayed in the **Document list**. You can click the **View Details** button for more information about the failed export.

1. On the **Export** tab, open the **Export Set** containing the errors you want to save.
2. Click the **Show** link next to the **Errors** field. All files associated with the error are displayed in the center pane, and the **Save Export Errors to CSV** link displays at the bottom of the center panel. Click on a file in the center pane to review it. Text extracted from the file, along with the file metadata, are displayed in the rightmost pane. If available, click **Document text truncated due to length...** to view the extracted text in a text editor.

3. At the bottom of the center pane, click **Save Export Errors to CSV**. The **Save Export Errors** dialog displays.
4. Browse to where you want to save the export errors .csv file and type a name in the **File name** box. By default, the file is saved to the ...**Documents and Settings\All Users\LexisNexis\EdAnalyzer\Home\cases\[case name]** directory with the file name "ExportErrors.csv".

Resetting Export Errors

When you are ready to re-export files associated with an error, you will need to click the **Reset** link next to the **Errors** field to make those files available for exporting again.

1. On the **Export** tab, open the **Export Set** containing the errors you want to reset.
2. When you are ready to re-export those files, click the **Reset** link next to the **Errors** field. The documents are available for export again.
3. Re-export the files.

When you re-export the files, if a file was exported in the original export, the export will overwrite the file originally exported with the re-exported version of that file.

The settings for LAW Direct and native **Export Sets** can be saved to **Export Profiles** that can be applied to other LAW Direct or native export sets in the current case or other CloudNine™ Explore cases. When you create an **Export Profile**, the following **Export Set** settings from the current set are saved to the profile:

- **Output Concordance DAT** (native)
- **Output EDRM 1.0** (native)
- **Fields to export** (native)

- **Include native files** (native)
- **Include text** (native)
- **Include e-mails in thread** (LAW Direct, and native)
- **Outlook Format** (LAW Direct and native)
- **Documents to Export** (LAW Direct, and native)

The **All filtered documents** or **Documents tagged with selection** in the **Documents to Export** section are saved to **Export Profiles**, but the **Export** or **Exclude** check box settings for tags are not saved.

The following settings are not saved to **Export Profiles**:

- **Export #** (native)
- **Output directory** (native)
- **Export** and **Exclude** check box settings for tags (LAW Direct, and native)
- **Target LAW Case** (LAW Direct)

By default, **Export Profiles** are saved to an .export file in the settings folder located in your case directory. For example C:\LAW\Cases\settings\[profile name].export. **Export Profiles** cannot be created or used for native subset **Export Sets**.



If an **Export Profile** is modified after it has already been applied to an **Export Set**, the changes are not applied to that set.

Creating an Export Profile

1. Click the **Case Manager** tab.
2. Double-click a case to open it.
3. Click the **Export** tab.
4. Create the **Export Set** containing the settings you want to save to an **Export Profile**.
5. In the **Settings** section, click the **Save As...** link. The **Save export profile** dialog displays. By default, the profile's .export file is saved to the settings folder located in your case directory. For example **C:\LAW\Cases\settings\[profile name].export**.
6. If you want to change where the file is saved, browse to where you want to save the profile.
7. In the **File name** box, type the name of the **Export Profile**.
8. Make sure **Export profiles (*.export)** is selected in the **Save as** type list.
9. Click **Save**.

Applying Export Profiles

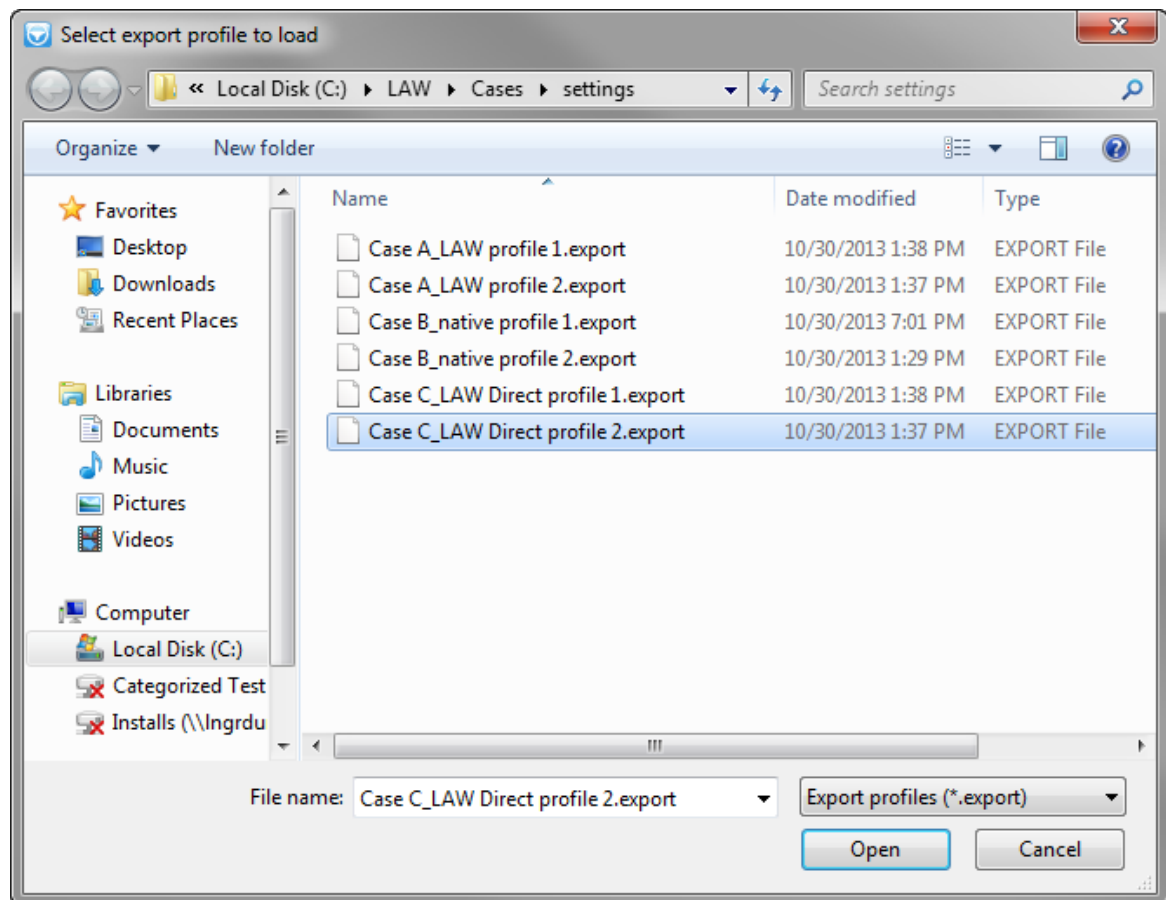
A Knowledge Based Article on this subject can be found here: [Loading Existing Export Sets/Profiles \(cloudnine.com\)](#)

There are two ways to apply an **Export Profile** to an **Export Set**. You can apply the profile when you are creating a new set in the **Manage Exports** dialog box, or apply the profile to an existing set from the **Settings** section on the **Export** tab.

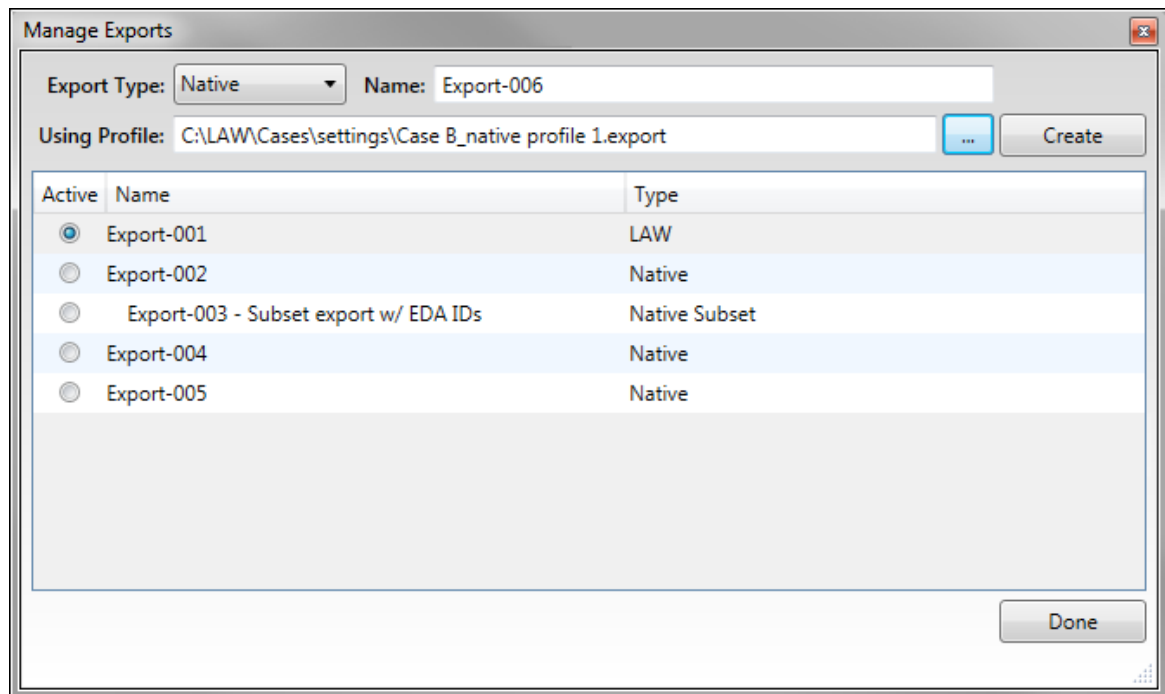
To apply a profile to a new export set

1. Click the **Case Manager** tab.
2. Double-click a case to open it.

3. Click the **Export** tab.
4. At the top of the **Export Settings** pane, click the **Manage** link. The **Manage Exports** dialog displays. The case's existing **Export Sets** are listed.
5. In the **Export Type** list, click **LAW Direct**, or **Native**. By default, CloudNine™ Explore automatically assigns a name to each set using the **Export-000** format, starting with Export-001 and incrementing the number with each new set. Names can be customized, allowing up to 50 characters.
6. Click the ellipsis button next to the **Using Profile** box. The **Select export profile to load** dialog displays with the existing **Export Profiles** listed.



7. Click the .export file you want to apply to the **Export Set**, and then click **Open**. The selected .export file and its path show in the **Using Profile** box.



8. Click **Create**. The new **Export Set** is created using settings from the selected **Export Profile**.

To apply a profile to an existing export set

1. Click the **Case Manager** tab.
2. Double-click a case to open it.
3. Click the **Export** tab.
4. At the top of the **Export Settings** pane, click the **Manage...** link. The **Manage Exports** dialog displays. The case's existing **Export Sets** are listed.
5. In the **Active** column, select the circle next to the set you want to apply a profile to.
6. Click **Done**. The selected set displays on the **Export** tab.
7. In the **Settings** section, click the **Load** link. The **Select export profile to load** dialog displays with the existing **Export Profiles** listed.

8. Click the .export file you want to apply to the **Export Set**, and then click **Open**. The settings are applied from the selected **Export Profile**.

With the **LAW Direct Export**, CloudNine™ Explore can export files directly into new or existing cases in CloudNine™ LAW.

The **LAW Direct Export** process passes files that remain after filtering or tagging directly to new or existing cases in CloudNine™ LAW without having to import the files using ED Loader. The export process involves two steps. First, you generate an **Export Set**, which contains saved export settings and the list of items to be exported. Second, you send the **Export Set** directly to a new or existing CloudNine™ LAW case.

To export to an existing CloudNine™ LAW case, the case must be:

- SQL Server-based
- Active
- Enabled for electronic discovery

A **LAW Direct Export** set can only be used for one CloudNine™ LAW case. You can send a **LAW Direct Export** set to the same CloudNine™ LAW case multiple times, such as for rolling productions.

If you want to export files from one CloudNine™ Explore case to multiple CloudNine™ LAW cases using the **LAW Direct Export**, you will need to create a separate export set for each CloudNine™ LAW case. You can also export files from multiple CloudNine™ Explore cases to the same CloudNine™ LAW case using the **LAW Direct Export**, but it is not recommended as doing so may result in duplicate DocID field values. For more information on configuring options for CloudNine™ LAW cases, see the [CloudNine™ LAW Answer Center](#).

Additional Information about LAW Direct Export

When files are imported into CloudNine™ LAW using **LAW Direct Export**, some things are handled differently during the export, and files are imported without using ED Loader.

- **Indexing** - Files imported into a new or existing CloudNine™ LAW case using the **LAW Direct Export** are not automatically indexed after the export process. During the export, the `_FTIndex` field in CloudNine™ LAW is automatically set to 1 (the record has text that is ready for indexing) for all documents that contain text. You will need to manually index the case if you want to run full-text searches on the exported files in CloudNine™ LAW.
- **OCR text** - With the **LAW Direct Export**, you do not need to perform OCR on files exported to CloudNine™ LAW if OCR was already performed on the files in CloudNine™ Explore. If OCR was performed in CloudNine™ Explore, the OCR text is included in the export to CloudNine™ LAW and the `OCRStatus` field is populated with the correct value (Y, N, C) for each file. The OCR .txt files are exported to the following directory:
 - `...Cases\[CloudNine™ Explore case name]\$Text\$OCR\`
- **Extracted text** - If the export includes files with extracted text, the associated .txt file associated is exported to the `$EDD` folder for the CloudNine™ LAW case, and the `TextXStatus` field is populated with the correct value (C, N, or E) for each file.
- **NativeFile field** - When native files are exported to CloudNine™ LAW using the **LAW Direct Export**, the `NativeFile` field in CloudNine™ LAW is populated with the native file path for each imported native file. By default, the native files are exported as follows:
 - When exporting to an existing CloudNine™ LAW case not created by the **LAW Direct Export**: `...\Cases\[CloudNine™ LAW case name]\$EDD\$NativeFiles\`
 - When exporting to a CloudNine™ LAW case created by the **LAW Direct Export**: `...\Cases\[CloudNine™ Explore case name]\$EDD\$NativeFiles\`

- Native files in the export are named using the following format: [LAW ID].ntv.[native file extension]. For example: 02.ntv.xls.

- **EDSession field** - When files are exported to CloudNine™ LAW using the **LAW Direct Export**, the EDSession field in CloudNine™ LAW is populated with the export name, the CloudNine™ Explore case name, and date and time of the export session using the following format: "[export name] on [CloudNine™ Explore case name] (YYYY/MM/DD HH:MM:SS)". For each file in the export, the export session time is based on the local timezone of the machine performing the export. For example: "LDE Export - 001 on CloudNine™ Explore Case Name (2015/09/30 2:30:02 PM)"



The EDSession name format for **LAW Direct Exports** is:
 {ExportName} on {CaseName} {ExportRunCount}

For example, "LDE Export on Explore Case Name (1)"

- **Metadata** - During the **LAW Direct Export**, the metadata from the exported CloudNine™ Explore files populates for the corresponding fields in CloudNine™ LAW. For example, the Email_Subject field in CloudNine™ LAW is populated with the email subject identified in CloudNine™ Explore. When files are exported to CloudNine™ LAW using the **LAW Direct Export**, the following CloudNine™ LAW fields are not populated during the export:

- | | |
|---------------|---|
| ○ _DupID | ○ DupParentPath |
| ○ _DupMethod | ○ DupStatus |
| ○ _PS_ARCX | ○ EP* (Extended properties or extended metadata fields) |
| ○ _PS_ATTX | |
| ○ _PS_DIGESTX | |
| ○ _PS_EMBEDX | ○ EndAttach |
| ○ _PS_MDX | ○ EndDoc# |
| ○ _PS_OLEX | |

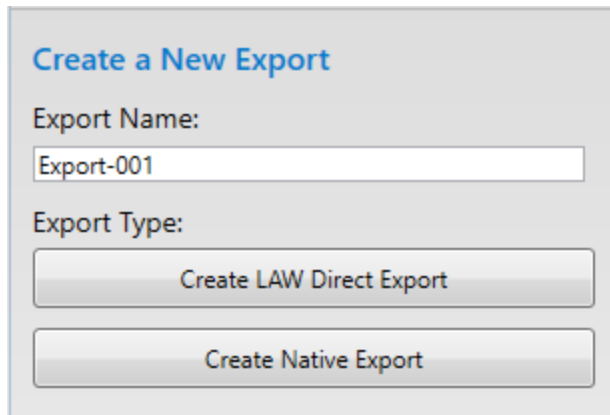
- AttRange
- BatchStation
- BegAttach
- BegDoc#
- ColorID (Run Update Page Data in CloudNine™ LAW to set this value in LAW.)
- DateAccessed
- DupCustNames
- DupCustPaths
- DupParentName
- FileAccuracy
- HasRedaction
- OcrAccuracy
- OrigExt
- Placeholder_Name
- SourceFile
- SuspectExt
- SuspectOLE
- Template
- TimeAccessed
- UserId

- **Tags** - The CloudNine™ Explore tags and tag assignments for the included files are exported. These tags can be identified by the suffix "_EDA" on the field name.
- **File type management database** - When using **LAW Direct Export**, the CloudNine™ LAW file type management database is used to populate the SourceApp field in CloudNine™ LAW, which assigns a source application to native files based on the file type and source application mappings from the file type management database. The source applications assigned to native files are used for e-printing and TIFF/PDF conversions in CloudNine™ LAW. The **LAW Configuration Utility > Environment > File Type DB** indicates where the file type management database is stored for a case, which can be configured through the LAW Configuration Utility. If CloudNine™ LAW has not been opened before, and you perform a LAW Direct Export, a message will open indicating that CloudNine™ Explore cannot find the file type

management database. You have the option of canceling the export or continuing the export. If you continue the export, the SourceApp field will not be populated for the exported documents, and you will not be able to e-print or convert those files imported using the **LAW Direct Export** to TIFF or PDF files.

- **Location of CloudNine™ LAW files** - If any of the CloudNine™ LAW case or database files are stored in a location considered protected by Microsoft Windows, the **LAW Direct Export** may not function as expected because CloudNine™ Explore may not be able to find the case or database (caselist.mdb or EDLoader.ftm.mdb) files or folders. The C:\Program Files, C:\Program Files (x86), C:\Program Data, and My Documents directories are treated as protected locations and should not be used for storing case files.
- **Time zones** - CloudNine™ LAW and CloudNine™ Explore use different methods to determine the time zone list, so there may be differences between dates and times if the time zone lists used by each product do not match. CloudNine™ LAW uses a lookup table in a case's SQL Server database to determine the list of time zones, while CloudNine™ Explore uses the list of time zones from the user's operating system.
- **Export errors** - If there are errors during the **LAW Direct Export**, the errors are written to CloudNine™ Explore process logs and can be viewed by clicking the **Show** link next to the **Errors** field on the **Export** tab.

1. Click the **Case Manager** tab.
2. Double-click a case to open it.
3. Click the **Export** tab.
4. If this is the first time you are creating an export for this case, the **Create a New Export** pane is displayed on the left. The **Export Name** defaults to Export-001, but can be modified to be whatever you want. Click **Create LAW Direct Export**.



Create a New Export


Export Name:
Export-001

Export Type:

Create LAW Direct Export

Create Native Export

5. If this is not the first time exporting for this case, click **Manage** in the upper right of the left pane. The **Manage Exports** dialog is displayed. Select **LAW Direct** for the **Export Type**, type the **Export Name** you want (or accept the default), and then click **Done**.

Export: Export-001 (LAW Direct) [Manage...](#) 

Export Statistics:

Last Export: 8/9/2019 12:50:27 PM


Total: [\(Clear All\)](#) 5,150 [Show →](#)


Pending: [\(Remove\)](#) 2 [Show →](#)


Exported: 5,148

Errors / Warnings: [\(Reset\)](#) 0 [Show →](#)

Settings: [Load...](#) | [Save As...](#) | [Configure...](#)


Target LAW Case: 

Explore BVT 8-9-19 

Documents to Export: 

All filtered documents

Documents tagged with:

Export	Exclud	N	Count	Count	Size (G)
				Family	

6. Determine the **Settings** to use by selecting one of the following:
- Load** - To load a previously saved **LAW Direct Export** profile.
 - Save As** - Saves the current **LAW Direct Export** profile for use in other exports.
 - Configure** - Allows you to modify the **LAW Direct Export** settings. See the section below on [Configuring LAW Direct Export Settings](#).
 - Do nothing and use the defaults.

7. Select the **Target LAW Case**. You can choose **<Default LAW Case>** or an existing CloudNine™ LAW case. If you choose **<Default LAW Case>**, then a new case will be created for you with the same name as the Explore case. To export to an existing LAW case, that LAW case must be SQL Server based, active, and have electronic discovery enabled.
8. Choose a **Documents to Export** option:
 - a. **All filtered documents** - Exports all files that remained after filters were applied, regardless of the tags also applied to those files.
 - b. **Documents tagged with** - Exports files by the available tags, which are displayed below. See the section below on [Exporting Files by Tags](#).
9. Click **Start** to start the **LAW Direct Export**. The export progress displays in the **Export Statistics** section. After the export is completed, the **Target LAW Case** disables to prevent an unintentional re-export.
10. You can review data in the **Export Statistics** section using the available links.



A CloudNine™ LAW Direct **Export Set** can only be sent to one new or existing CloudNine™ LAW case. An **Export Set** cannot be sent to multiple CloudNine™ LAW cases.

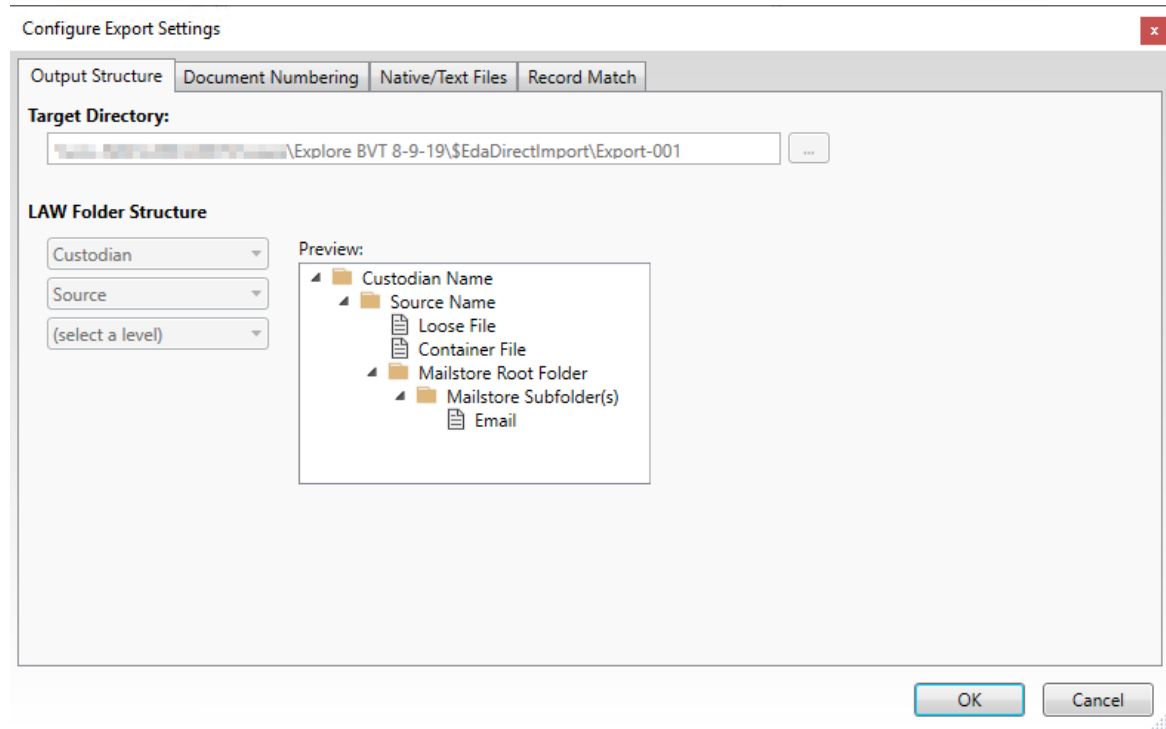


If the CloudNine™ LAW case list database has not been defined in the CloudNine™ Explore case's environment settings, clicking **Create LAW Direct Export** opens the **Unable to Create LAW Direct Export** message box. Once the case list location is defined, a **LAW Direct Export** can be created. For more information, see [Startup and Configuration](#).

Configuring LAW Direct Export Settings

The **Configure Export Settings** dialog has 4 available tabs, allowing you to configure how you want your **LAW Direct Export** to work.

Output Structure



The **Target Directory** is the path to where the CloudNine™ Explore case resides on your network. The case directory path is followed by \$EdaDirectImport\ (Export Name).

The **LAW Folder Structure** allows you to configure how folders and sub-folders are organized for the **LAW Direct Export**. Folders can be grouped by **Session** (Import Set), **Custodian**, and/or **Source**. The **Preview** window shows you an example of how the selected structure will be organized. Modify the structure by selecting the first, second, and third level folder structure in the drop-downs on the left. The table below illustrates a few examples.

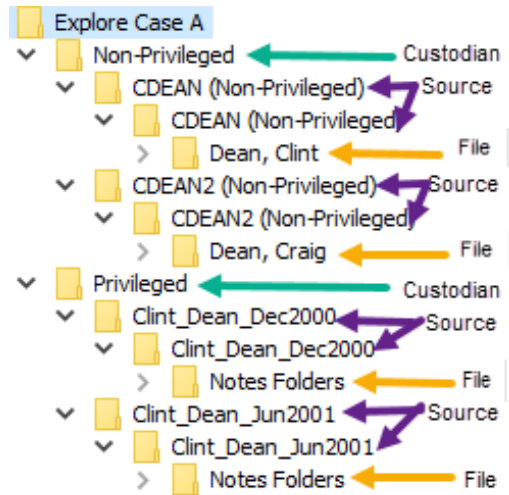
<h2 style="margin: 0;">LAW Folder Structure</h2>	<h2 style="margin: 0;">Example in LAW</h2>
--	--

LAW Folder Structure

Custodian

Source

(select a level)

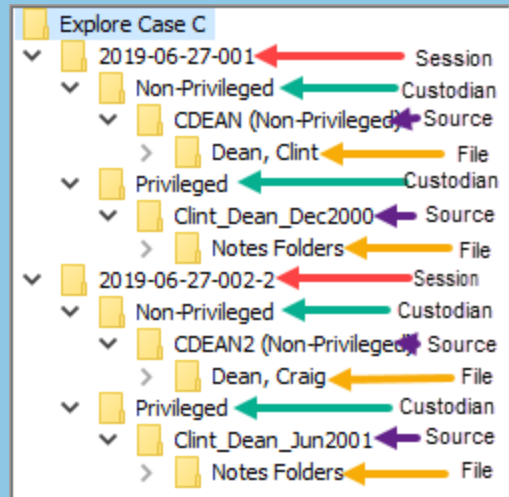


LAW Folder Structure

Session

Custodian

(select a level)



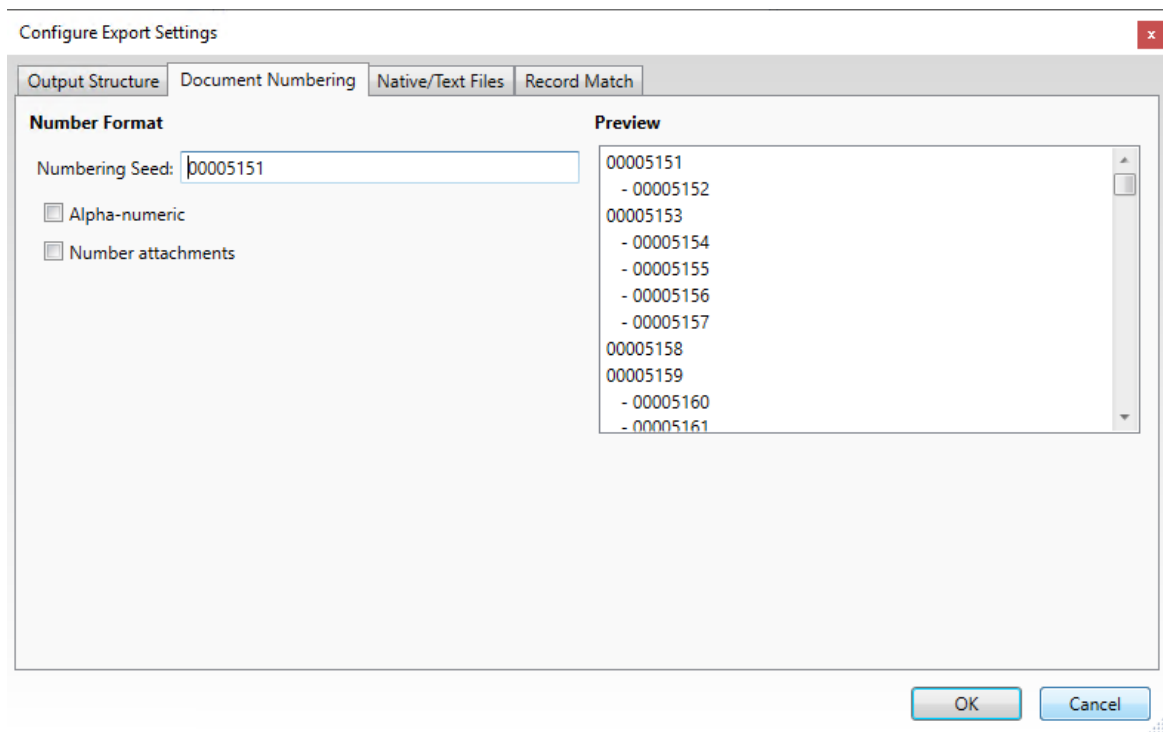


Each level utilized of the **LAW Folder Structure** adds to the length of the file path, so it is recommended to only add levels needed to help organize the data.



The source is always listed in LAW as the preceding folder level to the file(s). Selecting **Source** for any level will produce the source name twice in LAW.

Document Numbering



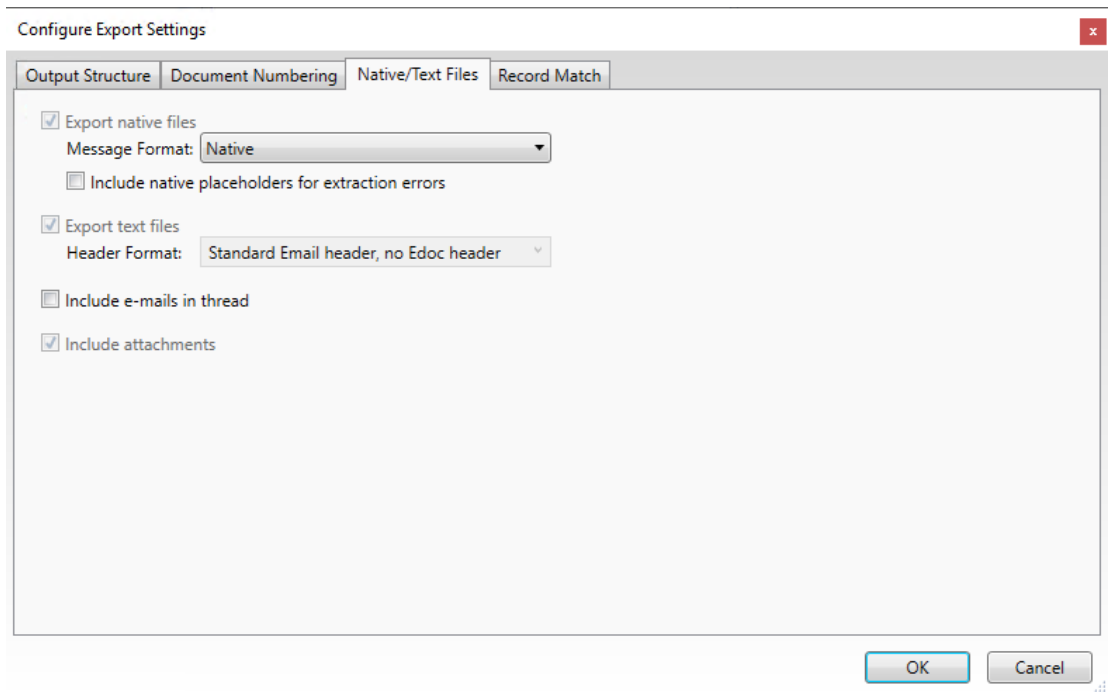
The **Numbering Seed** defines the id format for the exported documents. Select **Alpha-numeric** to have the ids increment using alphabetic characters, otherwise the numbers will increment only numerically.

Number Attachments will add a string to each document id for [**Attachment Level # - Family Count #**]:

- **Attachment Level** - Starts with 0 at the parent, and increases by 1 for each attachment.
- **Family Count** - The total number of attachments in the family.

The **Preview** window on the right illustrates how the document ids will be assigned, based on your selections.

Native/Text Files



Export native files is automatically selected for **LAW Direct exports**. Select the **Message Format** you want e-mail messages to be exported as:

- **Native** - All files are exported in the original format (.msg, .eml, or .html). If you select **Native** and a message contains a number of recipients that exceeds

the maximum number a .msg file can support, then the message will be converted to an .html file or to an .mhtml file if it contains inline images.

- **Html** - All files are exported to .html format except for mime (.eml) messages. If the message contains inline images, they will be placed in a directory with the same file name (minus extension) as the .html file (*currently, always export number).
- **Html (Mhtml when images are present)** - Any message that contains inline images will be converted to .mhtml format, otherwise it is converted to .html format.
- **Mhtml** - All messages are exported to .mhtml format.



The **Message Format** selected affects all Microsoft Outlook email settings exported: Export native files, Include e-mails in thread, or Include attachments. For Microsoft Outlook e-mail messages, you can export the messages as .msg, .html, or .mhtml files.

Select **Include native placeholders for extraction errors** in order to generate placeholders for contained/embedded/attached files that have an error during export.

Export text files is automatically selected for **LAW Direct exports**. The **Header Format** is automatically selected as **Standard Email header, no Edoc header**.

Select **Include e-mails in thread** if you want all items of an e-mail thread, including any item contained in the thread that is filtered, to be included in the export. This will allow you to review the exported items in the context of the entire thread. If an email thread is tagged, and that tag has been excluded from the export, the email thread will not be exported.

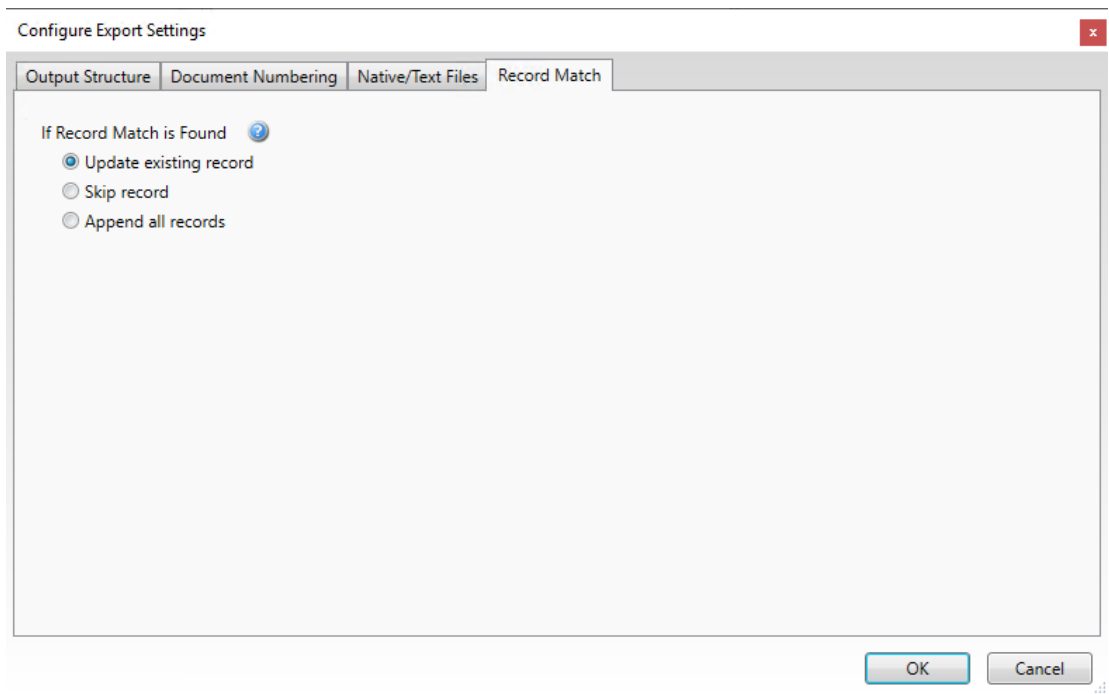


If email threading is disabled for the case, the **Include e-mails in thread** check box only applies to email threads from Microsoft Outlook. Email threading is enabled on the **Analysis** tab in the **New Case Settings** or **Edit Case Settings** dialog box. For more

information, see [Analysis Case Settings](#) and [Near-Duplicate & Email Thread Analysis](#).

Include attachments is automatically selected for **LAW Direct exports**. This forces all attachments to be included for documents that are exported.

Record Match



This tab determines what CloudNine™ Explore will do if a record being exported is already detected in the LAW database. The CloudNine™ Explore case ID and EDAID are used to determine uniqueness. This allows users to export from multiple CloudNine™ Explore cases to the same LAW case. Users may choose from these three options:

- **Update existing record** - CloudNine™ Explore will overwrite the existing record in LAW with the same CloudNine™ Explore ID. CloudNine™ Explore will replace the existing native and text file with the newly exported one (exact

same EDAID). The image files and error placeholders (if they exist) will be deleted, and all metadata will be updated in LAW. Tags in LAW will be added but not removed with this option.

- **Skip record** - CloudNine™ Explore will skip export of the document if its CloudNine™ Explore ID already exist in LAW.
- **Append all** - CloudNine™ Explore will create new records in LAW for all CloudNine™ Explore documents selected for export. This may result in duplicate records in your CloudNine™ LAW database.

Exporting Files by Tags

1. In the **Export** column, select the check-box next to the tags you want include in the export.
 - i. When tag check-boxes are selected, the export will only include files containing the selected tags which have been filtered. For example, if the selected tags have been applied to 5 files in the case, but after filtering only 3 of these files are left, then only the 3 files containing the tags will be exported.
 - ii. In the **Documents tagged with** section, the **Count** column displays the total number of top-level files to which a tag has been applied. Top-level files include loose files and parent files, such as e-mail messages.
 - iii. The **Family Count** column displays the total number of top-level files and any attachments or child files to which a tag has been applied.
 - iv. The **Size (GB)** column displays the total size of the documents in gigabytes (GB). The total size is calculated using family size. When a parent document contains attachments, the attachments are not included in the file size calculation because the parent document file size already reflects the file size of its attachments. This prevents doubling the actual file size of attachments.
 - v. If you change any of the filter settings for the case before generating the export set, be sure to click the **Refresh** button in the **Documents**

tagged with section to update the values in the **Count**, **Family Count**, and **Size (GB)** columns.

- vi. To view the list of filtered files for a specific tag, in the **Documents tagged with** section, click the row for the tag. Clicking the row displays all files to which the tag has been applied after filters have been applied to those files in the case.
- vii. When a tag is applied to a file in CloudNine™ Explore, and the file is exported to CloudNine™ LAW, the tags are automatically exported to and created in CloudNine™ LAW. Group and individual tags are created as document-level tags in CloudNine™ LAW.
- viii. Once a tag is created in CloudNine™ LAW for a document during an export from CloudNine™ Explore, if the tag is later removed from the document in CloudNine™ Explore and then re-exported into CloudNine™ LAW, the original tag created for the document will remain applied to the document in CloudNine™ LAW. The original tag cannot be removed from the export.



If a parent-level archive item is tagged to be **Exported**, but none of its attachment items are tagged for **Export**, then it is assumed that the archive contents are to be exported as well. The same is true for sub-archives contained within the original archive.

2. In the **Exclude** column, select the check box next to the tags that you want to exclude from the export.
 - i. When used in conjunction with **Export** tag(s), the **Exclude** column can be used to exclude any documents associated with a tag, such as documents tagged as Privileged, Private, Confidential, or Trade Secret. The **Exclude** column can also be used to exclude individual documents from a mail store or archive file that is included in the export set.



The **Exclude** column settings take precedence over the **Export** column settings for tags. For example, if you are exporting by tag, and a document contains one tag that is flagged for export and one

tag that is flagged to be excluded from the export, then the document will be excluded from the export.

- ii. E-mail items and archive items are treated differently when exported with excluded tags (**Exclude** check box is selected for tags). If any item contained in an e-mail thread is tagged as being excluded, the entire thread will be excluded from the export up to the first message of the thread. If an archive item (such as a zip file) contains multiple files tagged to be exported (**Export** check box is selected for tags), but one of the items is excluded, then the remaining items in the archive will still be exported.



When excluding documents from a mail store or archive file, only the first level of documents within the mail store or archive file can be excluded. For example, if the parent archive file contains another archive file, you cannot exclude the content of the sub-archive file. All the files contained within the sub-archive will be exported.

Reviewing a LAW Direct Export Set

After a **LAW Direct Export** is performed, you can review the export statistics and the details of individual items in the **Export Set**.

S t a t i s t i c	Description
L a s t E x p o r t	The date and time of the most recently generated Export Set .
T o t a l	The number of items included from all runs of the active Export Set . The Clear All link removes all documents from the set. For more information, see To open an existing export set . The Show link displays all documents in the Export Set in the Document list of the Export tab.
N	The number of new items included in the set.

In the **Export Statistics** section, click **Show** next to the total field.

When you click **Show**, the **Document list** is populated with the files in the export set. The **Document Details** pane displays the details for the file currently selected in the **Document list**.

There are two types of native exports in CloudNine™ Explore:

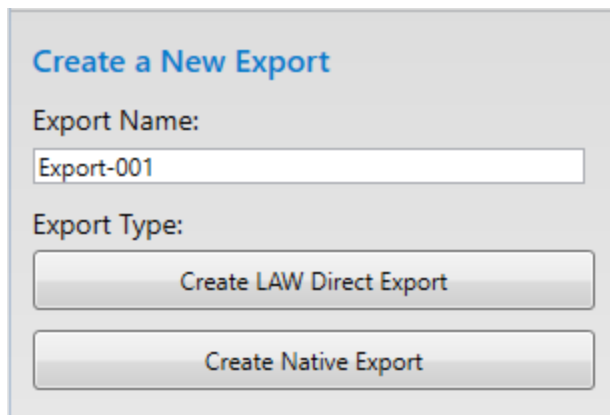
- **Native File Export** - Generates a DAT load file, along with native files and text files, for importing into CloudNine™ Concordance®, kCura® Relativity®, or other applications that support them. The native file export can also generate an EDRM XML version 1.0 load file, along with native files and text files for importing into products that support EDRM XML version 1.0. The files generated by the native file export are saved to an export output directory.
- **Native Subset Export** - Same as **Native File Export**, but created for existing native exports in CloudNine™ Explore. Before a native subset export set can be created and exported, the parent native export set must exist in the case. Native subset exports can be used to speed up the file review for a case by only exporting the native files for specific CloudNine™ Explore IDs or specific export numbers.

As an example, a native export set can be created and exported, but only the file metadata and text are exported, not the native files. Then the DAT load file or EDRM XML 1.0 load file generated by the native export can be imported into another product to tag only the relevant files for the case. After the tagging is completed, the CloudNine™ Explore IDs or export numbers for the tagged files are exported to a line-delimited text file, which is then imported into CloudNine™ Explore when creating a native subset **Export Set**. When the native subset export is created, CloudNine™ Explore populates the native subset export with the files from the parent native **Export Set** that matches the CloudNine™ Explore IDs or numbers in the line-delimited text file. Once the native subset export set is created and populated with the tagged files, you can export the native files for the tagged files.

The export process passes any files remaining after filtering or tagging to the native file export directory. The export process involves two steps. First, you generate an

Export Set, which saves the export settings along with the list of items to be exported. Second, you send the **Export Set** directly to a native file export directory.

1. Click the **Case Manager** tab.
2. Double-click a case to open it.
3. Click the **Export** tab.
4. If this is the first export created for this case, the **Create a New Export** pane is displayed on the left. The **Export Name** defaults to Export-001, but can be modified to be whatever you want. Click **Create Native Export**.



Create a New Export

Export Name:
Export-001

Export Type:

Create LAW Direct Export

Create Native Export

5. If this is not the first time exporting for this case, click **Manage** in the upper right of the left pane. The **Manage Exports** dialog is displayed. Select **Native** for the **Export Type**, type the **Export Name** you want (or accept the default), and then click **Done**.

Export: Export-003 (Native) [Manage...](#)

Export Statistics:

Last Export:

Total: [\(Clear All\)](#) 0 [Show →](#)

Pending: [\(Remove\)](#) 0 [Show →](#)

Exported: 0

Errors: [\(Reset\)](#) 0 [Show →](#)

Target Directory:

\\cev-fs02\LAW\LAW72\c: [...](#)

Settings: [Load...](#) | [Save As...](#) | [Configure...](#)

Numbering Seed: 00000001

Native/Text Files:

Export native files

Export text files

Load Files:

Fields to export: (5) [Select...](#)

Create EDRM 1.0

Create Concordance DAT

[Regenerate load file...](#)

Documents to Export:

All filtered documents

Documents tagged with:

family

Expo Exclud N. Cour Coun' Size (Gf

[Start](#) [Stop](#)

6. Select the **Target Directory**. The **Target Directory** determines the target location for the **Native Export** (where files generated for the export will be saved). You can change the **Target Directory** by editing the field or clicking the ellipsis button and browsing to the appropriate folder.



The **Target Directory** must be a network location accessible to all CloudNine™ Explore computers. Explore will automatically convert the value to a UNC path if a mapped network drive is entered or selected when browsing to a folder.



Make sure the path to the output directory does not exceed Microsoft Windows path limitations. Exceeding the Microsoft Windows path limitations will cause the export to fail.

7. Determine the **Settings** to use by selecting one of the following:
 - a. **Load** - Loads a previously saved **Native Export** profile.
 - b. **Save As** - Saves the current **Native Export** profile for use in other exports.
 - c. **Configure** - Allows you to modify the **Native Export** settings. See the section below on [Configuring Native Export Settings](#).
 - d. Do nothing and use the defaults.
8. Select a **Numbering Seed**. This value displays the starting number for the files in the **Export Set** and determines the number format used for naming the exported files.
9. There are two check-boxes in the **Native/Text Files** you can select. Select associated settings on the **Native/Text Files** tab of the **Configure Export Settings** dialog by clicking **Configure**.
 - a. **Export native files** - Includes native files in the export.
 - b. **Export text files** - Includes text files in the export.
10. Configure your desired **Load Files** options. There are 4 different configuration items available:
 - a. **Fields to export** - Indicates the number of fields currently selected for export. Five fields (Edald, Export Number, Directory, Filename, FileUri) are included by default. You can configure the fields for export by clicking **Select**.
 - b. **Create EDRM 1.0** - Creates an EDRM XML 1.0 file in the export. Select associated settings on the **Load Files** tab of the **Configure Export Settings** dialog by clicking **Configure**.

- c. **Create Concordance DAT** - Creates a Concordance DAT file in the export. Select associated settings on the **Load Files** tab of the **Configure Export Settings** dialog by clicking **Configure**.
 - d. **Regenerate load file** - Allows you to export a DAT or EDRM XML load file again with a different set of fields. The output folder location must be the same as the original. This option does not add or remove exported records, and will only update information within the load files.
11. Choose a **Documents to Export** option:
- a. **All filtered documents** - Exports all files that remain after filters were applied to the case, regardless of the tags applied to those files.
 - b. **Documents tagged with** - Exports files by tag. If you select this option, available tags are displayed below. See the section below on [Exporting Files by Tags](#).
12. The **Start** button will be enabled once **Create EDRM 1.0** or **Create Concordance DAT** has been selected. Click **Start** to start the **Native Export**. The export progress displays in the **Export Statistics** section.
13. You can review data in the **Export Statistics** section using the available links.



You can **Stop** an export to adjust it if necessary, then resume again by selecting **Start**.

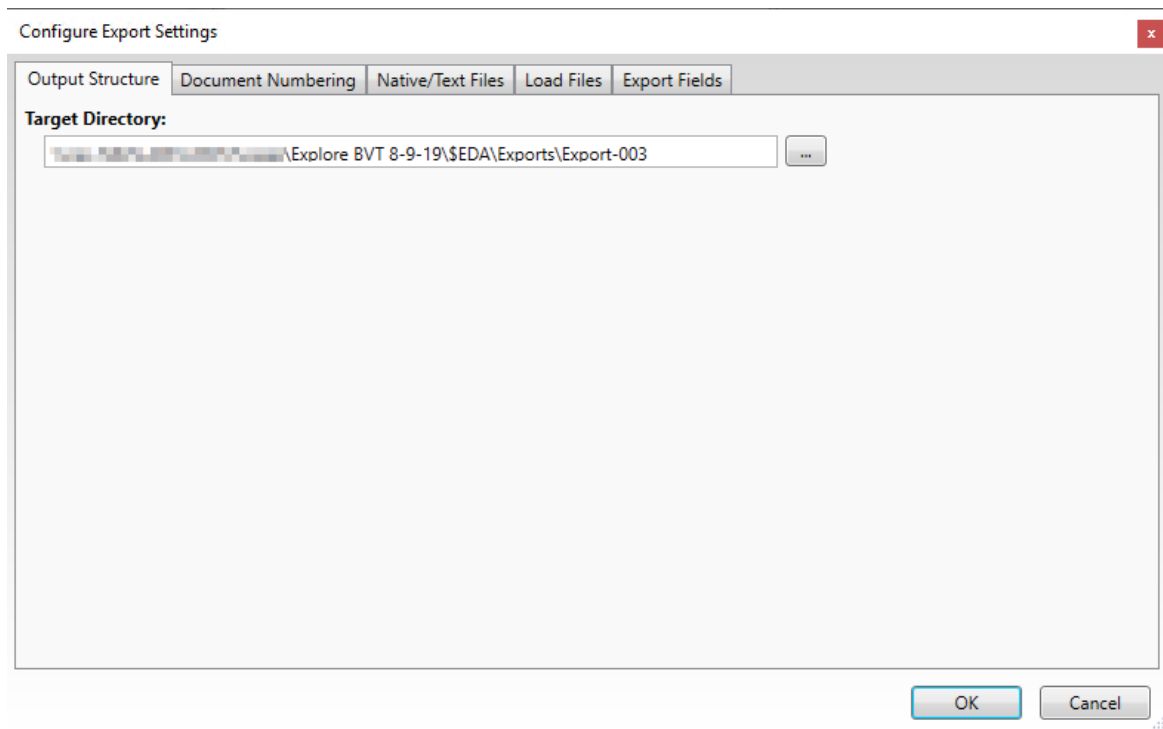


There is an **Export Status** below **Documents to Export** that shows progress during the export and the final status. A **Completed successfully** message will display if everything was exported properly. If the export failed, then a message will display along with a **View Detail** link that can be selected to view those errors.

Configuring Native Export Settings

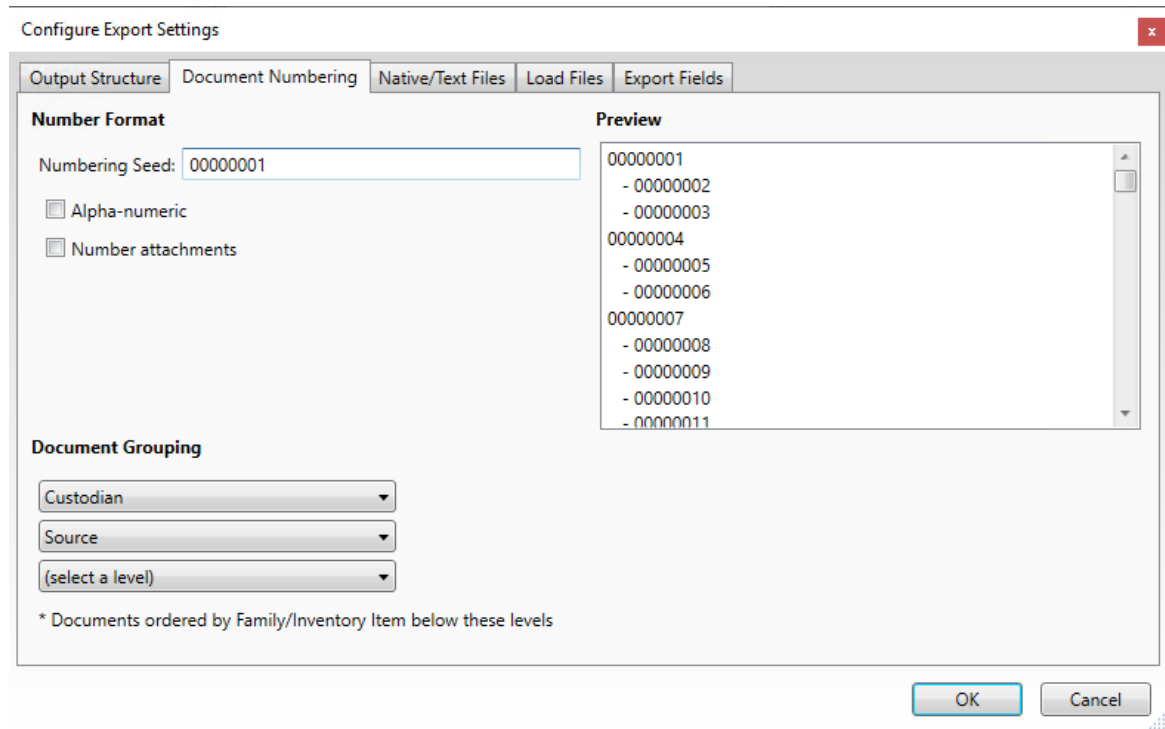
The **Configure Export Settings** dialog has 5 available tabs, allowing you to configure how you want your **Native Export** to work.

Output Structure



The **Target Directory** is the path where the CloudNine™ Explore case resides on your network. The case directory path is followed by \$EdaDirectImport\ (Export Name).

Document Numbering



The **Numbering Seed** defines the document id format for the exported documents. Select **Alpha-numeric** to have the document ids increment using alphabetic characters, otherwise the numbers will only increment numerically.

Number Attachments will add a string to each document id for [**Attachment Level # - Family Count #**]:

- **Attachment Level** - Starts with 0 at the parent, and increases by 1 for each attachment
- **Family Count** - The total number of attachments in the family

The **Preview** window on the right illustrates how the document ids will be assigned based on your selections.

Document Grouping allows you to choose what value(s) Explore uses to group and generate export items. The records are grouped during **Native Export** by **Custodian**, **Source**, or **Session**.



Document Grouping is used to cluster the exported documents according to the levels selected. It does not sort according to the groups.



Below the lowest grouping level you choose, documents are then ordered by **Family/Inventory** Item.

Native/Text Files

Configure Export Settings

Output Structure | Document Numbering | **Native/Text Files** | Load Files | Export Fields

Export native files
Message Format: Native

Include native placeholders for extraction errors

Export text files
Header Format: Standard Email header, no Edoc header

Include e-mails in thread

Include attachments

OK Cancel

Export native files is automatically selected for **Native Exports**. Select the **Message Format** you want e-mail messages to be exported as:

- **Native** - All files are exported in the original format (.msg, .eml, or .html). If you select **Native** and a message contains a number of recipients that exceeds the maximum number a .msg file can support, the message will be converted to an .html file or to an .mhtml file if the message contains inline images.

- **Html** - All files are exported to .html format except for mime (.eml) messages. If the message contains inline images, they will be placed in a directory with the same file name (minus extension) as the .html file (*currently, always export number).
- **Html (Mhtml when images are present)** - Any message that contains inline images will be converted to .mhtml format, otherwise it is converted to .html format.
- **Mhtml** - All messages are exported to .mhtml format.



The **Message Format** selected affects all Microsoft Outlook email settings exported: **Export native files, Include e-mails in thread, or Include attachments**. For Microsoft Outlook e-mail messages, you can export the messages as .msg, .html, or .mhtml files.

Select **Include native placeholders for extraction errors** in order to generate placeholders for contained/embedded/attached files that have an error during export.



If selected, the placeholder will contain the error message encountered when Explore attempted to access the source file. If not selected, any errors will be referenced in the .dat file.

Export text files is automatically selected for **Native Exports**. When selected, if a native text file does not contain any content, the native export will generate an empty native text file in the native export output directory. If you do not want to export text files, make sure to disable this check-box.

The **Header Format** can be:

- **Standard Email header, no Edoc header -**
- **Legacy Email and Edoc headers -** text for

text for Edocs will <u>not</u> contain a metadata header, and text for Emails will contain the following headers:	Edocs <u>will</u> contain a metadata header, and text for Emails will contain the following headers:
○ From	○ Message Class
○ Sent	○ Sender
○ To	○ Recipient
○ CC	○ CC
○ BCC	○ BCC
○ Subject	○ Subject
○ Attachmen ts	○ Attachmen ts

Select **Include e-mails in thread** if you want all items of an e-mail thread, including any item contained in the thread that is filtered, to be included in the export. This will allow you to review the exported items in the context of the entire thread. If an email thread is tagged, and that tag has been excluded from the export, the email thread will not be exported.



If email threading is disabled for the case, the **Include e-mails in thread** check box only applies to email threads from Microsoft Outlook. Email threading is enabled on the **Analysis** tab in the **New Case Settings** or **Edit Case Settings** dialog box. For more information, see [Analysis Case Settings](#) and [Near-Duplicate & Email Thread Analysis](#).

Include attachments is automatically selected for **Native Exports**. This forces all attachments to be included for documents that are exported.

Load Files

The screenshot shows the 'Configure Export Settings' dialog box with the 'Load Files' tab selected. The dialog is divided into two main sections: 'EDRM 1.0 XML' and 'Concordance DAT'. In the 'EDRM 1.0 XML' section, the 'Create EDRM 1.0 load file' checkbox is unchecked, and the 'Date/Time Format' dropdown is set to '2013-11-25T14:15:16'. In the 'Concordance DAT' section, the 'Create Concordance DAT' checkbox is unchecked. The 'Delimiters' section shows 'Restore Defaults' selected, with 'Comma' set to '(020)', 'Quote' set to 'p (254)', and 'Newline' set to 'Ⓢ (174)'. The 'Include field names as first record' checkbox is checked, while 'Include Volume name in folder path' and 'Enable support for Concordance Native Viewer (generate *.opt)' are unchecked. At the bottom, the 'Date Format' is set to '20131125' and the 'Time Format' is set to '14:15:16'. 'OK' and 'Cancel' buttons are at the bottom right.


EDRM 1.0 XML

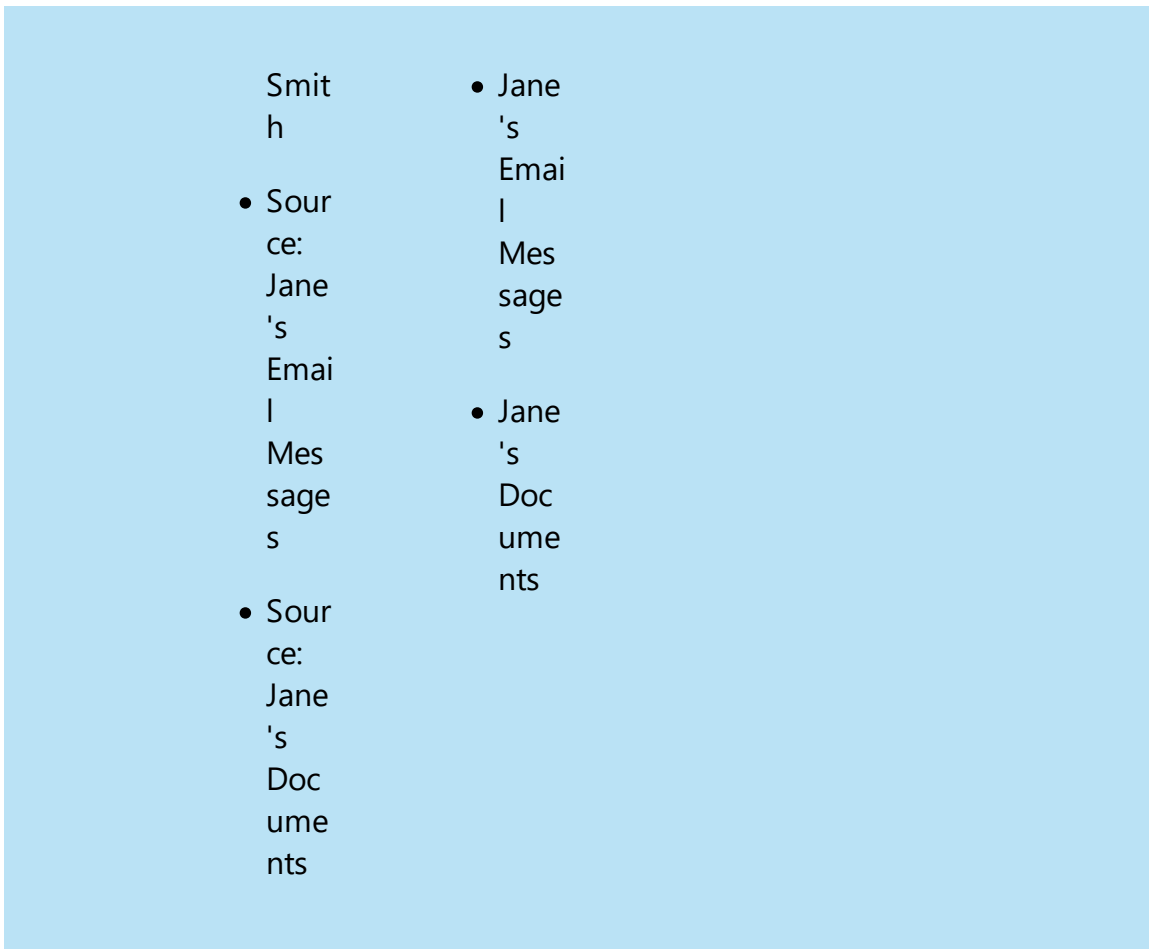
When **Create EDRM 1.0 load file** is selected, the export will generate an EDRM version 1.0 .xml file. The .xml file will reference the actual location of the native files.

Select the **Date/Time Format** to use in the export for date-related fields like **Sent** and **Received**. Available EDRM date/time formats:

- | | |
|--|---------------------------------|
| • 2013-11-15T14:15:16 | • 11/25/2013 2:15:16 PM |
| • Monday, November 25, 2013 2:15 PM | • 2013-11-25T14:15:16.0017000 |
| • Monday, November 25, 2013 2:15:16 PM | • Mon, 25 Nov 2013 14:15:16 GMT |
| • 11/25/2013 2:15 PM | • 2013-11-25 14:15:16Z |

When an EDRM .xml load file is generated by the CloudNine™ Explore **Native Export**, the folder structure for custodians and sources in CloudNine™ Explore is not retained in the EDRM .xml file, so that the folder structure in CloudNine™ Explore is not re-created during the import into CloudNine™ LAW. Each of the folders is created, but the entire folder structure is not created. For example:

	<p>Folder structure in CloudNine™ Explore:</p> <ul style="list-style-type: none"> • Custodian: Jane 	<p>How the folders are created in CloudNine™ LAW:</p> <ul style="list-style-type: none"> • Jane Smith
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Concordance DAT

When **Create Concordance DAT** is selected, the export will generate a Concordance .dat file. The .dat file will reference the actual location of the native files.

For the Concordance .dat export, you can define **Delimiters** to use for **Comma**, **Quote** and **Newline**. Restore the default values for these delimiters by selecting **Restore Defaults**, or select the delimiter to use for each using the drop-downs.

You do not need to change these default values unless the files you are exporting contain those delimiter characters in the text of the documents. The **Comma** delimiter separates one field from another field. The **Quote** delimiter is a text

qualifier that encloses text to differentiate it from field delimiters which may appear in the data. The **Newline** delimiter is a substitute carriage return. Some programs use the **Newline** delimiter to designate multi-level fields or fields-within-fields. Concordance replaces all carriage returns or carriage return linefeed combinations with the newline code in the data of a field. The record itself is still terminated with a real carriage return and a line feed.

Selecting **Include field names as first record** will generate a header row containing field names as the first row in the exported .dat file.



If there is an existing .dat file in the export output directory with the same file name as the .dat file being generated by the current export, the export will append the existing file. In this scenario, if you selected the **Include field names as first record** check box after the existing .dat file was created, the field header row will not be created for the .dat file. The .dat file will only be updated with the changed field information.

Include Volume name in folder path uses the last folder in the **Target Directory's** folder path as the volume name in the exported .dat file. This allows easy access to change the path based on the volume name in the .dat files. For example: if the **Target Directory** is C:\Exports\Smith, then the .dat file with paths for the NativeFile and TextPath would start with Smith. For example:
pSmith\001\00001788.ntv.msgp□pSmith\001\00001788.txtp.

Selecting Enable support for Concordance Native Viewer will generate an additional .opt file for viewing the native files exported from Explore in Concordance Native Viewer. If this option is selected, be sure to also select **Export natives files** in the **Native/Text Files** section under **Settings** in the left pane on the **Export** tab, otherwise the .opt file will not be generated.

Note the following:

- **Date Format** - Determines the format to use for
- **Time Format** - Determines the format to use for

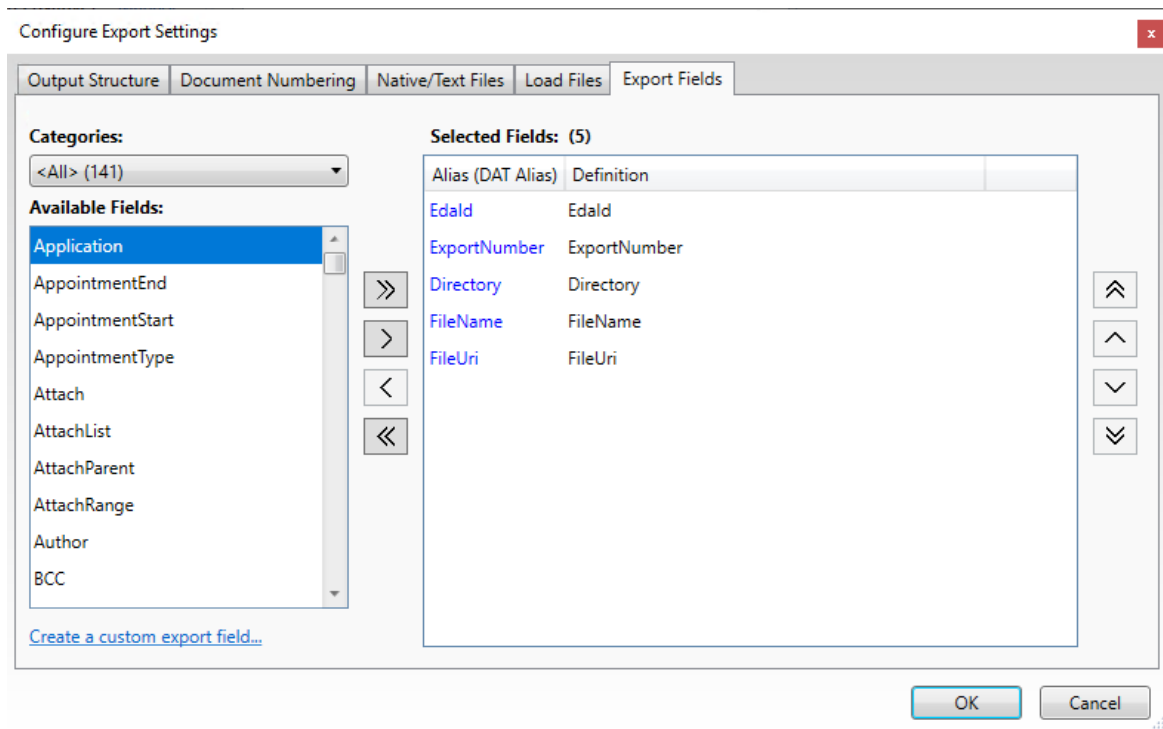
all date fields
exported to the
.dat file. Possible
formats are:

- 20131125
- 11252013
- 11-25-2013
- 11/25/2013
- 2013-11-25
- Monday,
November 25,
2013
- November
2013

all time fields
exported to the
.dat file. Possible
formats are:

- 14:15:16
- 14:15:16.0017
- 02:15:16 PM
- 02:15:16.0017
PM
- 2:15 PM
- 2:15:16 PM

Export Fields



The **Export Fields** tab allows you to configure which CloudNine™ Explore field data is exported during the **Native Export**. For more information about the fields available for export, see [Explore Field Descriptions](#).

Use the **Categories** drop-down to narrow down the list of **Available Fields**:

- **General** categories are fields that pertain to all records within the database
- **Edoc** categories are specific to Edocs (for example Author and Subject).
- **Email** categories are specific to Emails (for example To, CC, and BCC).
- **Near Duplicate** categories are specific to near duplicate fields.

Use the arrows in the center of the display to move **Available Fields** into or out of the **Selected Fields** list until the list reflects what you want included in the export. The total number of selected fields is shown in parenthesis above the list.

Use the arrows on the right of the display to order the **Selected Fields** list.

The **Alias** column in the **Selected Fields** list allows editing the field name for .dat files while maintaining the full name for EDRM exports. You can click directly on

the **Alias** name to edit. This may be necessary if the field name in Explore does not match the corresponding field in Concordance. Changing the field name **Alias** does not affect the field name in Explore, it only changes the field name for the export. Each field name **Alias** must be unique, and can be up to 50 characters long. If you selected **Create EDRM 1.0**, and select a field associated with an EDRM tag, any **Alias** entered for the field will be ignored by the export, and the corresponding EDRM field name will be used instead.

You can use the **Create a custom export field** link in the bottom left to create a unique field that combines several fields into one during the export. The process for creating a custom export field is similar to selecting fields to export, except that all fields selected will be merged into one custom field separated by the selected delimiter. See [Creating Custom Export Fields](#) below for more details.

If you selected **Create Concordance DAT**, Explore will use the Uid field as the image tag for the export. The Uid field is automatically included in the export for Concordance, so you do not have to include Uid in the **Selected Fields** list.



The **ExportNumber** field is required if you select the **Enable support for Concordance Native Viewer** on the **Load Files** tab, or if you select **Export text files** on the **Native/Text Files** tab. If you forget to add the **ExportNumber** field, you will be prompted to add the field when you start your export.

In Explore, the **Created** field contains both the date and time. Concordance requires the date and time be populated in two different fields. If you choose to export the **Created** field, the **Created** field in Concordance will contain the date value, and the companion field **TmCreated** will automatically be created and populated with the time value from the **Created** field. If you enter an **Alias** for the **Created** field, that **Alias** is not applied to the companion field (**TmCreated**).

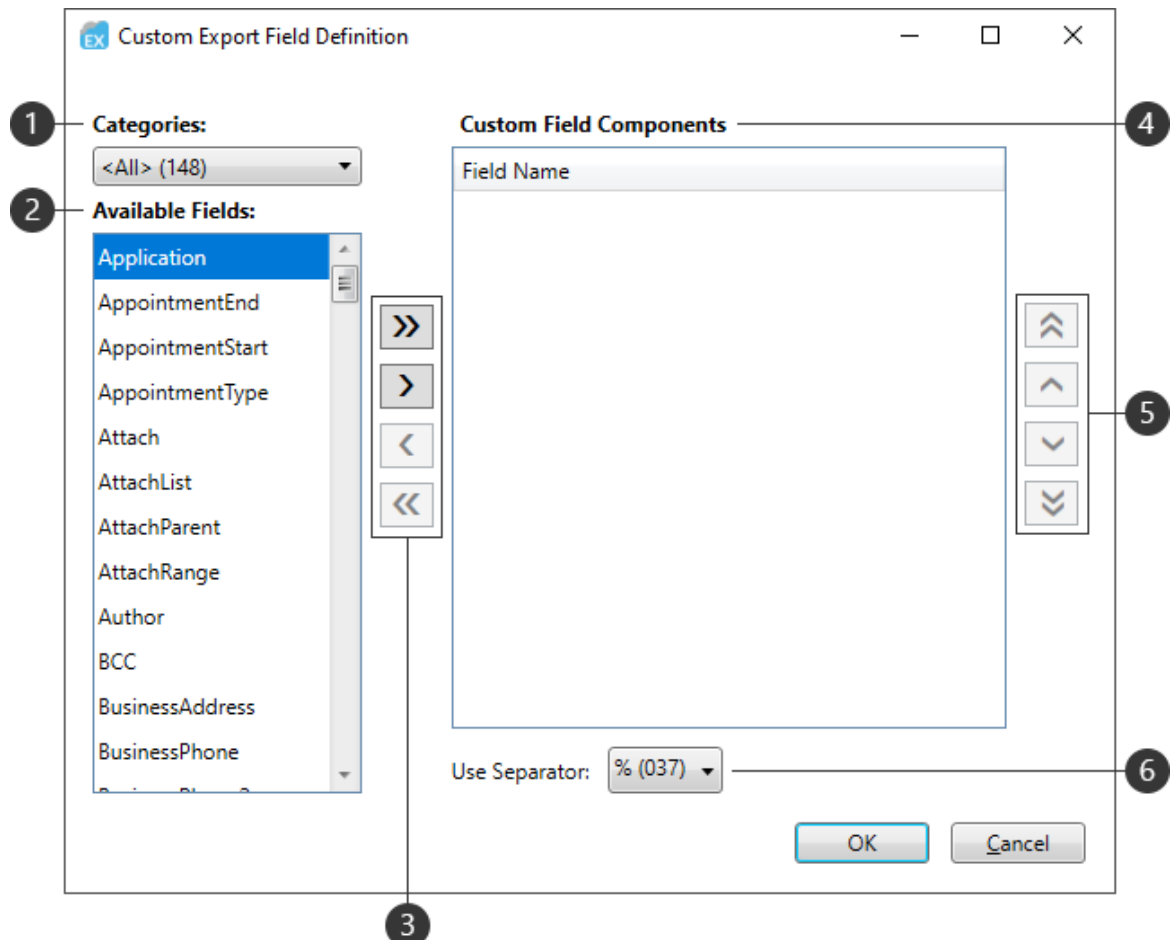


Concordance .dat load file field names have a limit of 12 characters. If **Include field names as first record** is selected for **Concordance DAT Export**, any field names exceeding 12 characters will automatically be truncated to the first 12 characters by the export.



If truncating a field name or **Alias** creates duplicate field names, the export will add a numeric suffix to the field name or **Alias** to prevent duplicate names. For example, multiple "longfieldname" **Aliases** would be exported as "longfieldna1", "longfieldna2", etc.

Creating Custom Export Fields



The custom export field is for export purposes only and is not stored within Explore, so it is not search-able.

1. Select an item from the **Categories** drop-down, and then choose from the **Available Fields** list. Use the arrows in the center of the display to include the **Available Fields** in the custom export field.
2. Use the arrows on the right of the display to reorder the individual fields within the custom export field.
3. Select a value from the **Use Separator** drop-down to use as a separator between the individual fields within the custom export field.
4. Click **OK** to save your custom export field. The **Custom Export Field Definition** dialog closes and your new custom export field now displays in the **Selected Fields** list, along with an **Edit** link that allows you to modify the custom export field again if necessary.

Exporting Files by Tags

1. In the **Export** column, select the check box next to the tags you want included in the export.
 - i. When tag check boxes are selected, the export will only include the files that have been filtered and contain the selected tags. For example, if the selected tags have been applied to 5 files in the case, but after filtering only 3 of these files are left, then only the 3 files containing the tags will be exported.
 - ii. In the **Documents tagged with** section, the **Count** column displays the total number of top-level files to which a tag has been applied. Top-level files include loose files and parent files, such as e-mail messages.
 - iii. The **Family Count** column displays the total number of top-level files and any attachments or child files to which a tag has been applied.
 - iv. The **Size (GB)** column displays the total size of the documents in gigabytes (GB). The total size is calculated using family size. When a

parent document contains attachments, the attachments are not included in the file size calculation because the parent document file size already reflects the file size of its attachments. This prevents doubling the actual file size of attachments.

- v. If you change any of the filter settings for the case before generating the export set, be sure to click the **Refresh** button in the **Documents tagged with** section to update the values in the **Count**, **Family Count**, and **Size (GB)** columns.
- vi. To view the list of filtered files for a specific tag in the **Documents tagged with** section, click the row for the tag. Clicking the row displays all files to which the tag has been applied that remain after applying filters to the files in the case.



If a parent-level archive item is tagged to be **Exported**, but none of its attachment items are tagged for **Export**, then it is assumed that the archive contents are to be exported as well. The same is true for sub-archives contained within the original archive.

2. In the **Exclude** column, select the check box next the tags you want to exclude from the export.
 - i. When used in conjunction with an **Export** tag(s), the **Exclude** column can be used to exclude any documents associated with a tag, such as documents tagged as Privileged, Private, Confidential, or Trade Secret. The **Exclude** column can also be used to exclude individual documents from a mail store or archive file that is included in the export set.



The **Exclude** column settings take precedence over the **Export** column settings for tags. For example, if you are exporting by tag and a document contains one tag that is flagged for export and one tag that is flagged as excluded from export, then the document will be excluded from the export.

- ii. E-mail items and archive items are treated differently when used with excluded tags (**Exclude** check box is selected for tags). If any item contained in an e-mail thread is tagged as being excluded, the entire

thread will be excluded from the export up to the first level message of the thread. If an archive item (such as a zip file) contains multiple files tagged to be exported (**Export** check box is selected for tags), but one of the items is excluded, then the remaining items in the archive will still be exported.



When excluding documents from a mail store or archive file, only the first level of documents within an mail store or archive file can be excluded. For example, if the parent archive file contains another archive file, you cannot exclude the content of the sub-archive file. All the files contained within the sub-archive will be exported.

Reviewing a Native Export Set

After a native or native subset export set is exported to the native file export directory, you can review the export statistics and the details of individual items in the export set.

S t a t i s t i c	Description
L a s t E x p o r t	The date and time of the most recently generated export set.
T o t a l	<p>The number of items included from all runs of the active Export Set. The Clear All link removes all documents from the set. For more information, see To open an existing export set. The Show link displays all documents in the set within the Document list of the Export tab.</p> <p>The Clear All link is not available for Native Subset Exports.</p>
N e w	The number of new items included in the most recently generated Export Set . The Remove link removes any documents in the set that have not yet been exported.

In the **Export Statistics** section, click **Show** next to the total field.

When you click **Show**, the **Document list** is populated with the list of files in the **Export Set**. The **Document Details** pane displays the details for the currently selected file.

Native subset exports are created for existing native exports. Before a native subset export set can be created, the parent native export must be created first.

1. Select the **Case Manager** tab.
2. Double-click a case to open it.
3. Select the **Export** tab.
4. At the top of the **Export Settings** pane, click **Manage**. The **Manage Exports** dialog displays.
5. Select **Native Subset** for the **Export Type**.
6. By default, Explore automatically assigns the next available default export **Name**. The export **Name** is editable and can be up to 50 characters long.
7. Choose a **Parent Export** for which you are creating the subset export.
8. Click the ellipsis button next to the **Subset File** field. The **Select subset file containing export numbers or ids** dialog displays.
9. Browse to and select the line-delimited text file containing the **Explore IDs** or **Export Numbers** for the subset export. This must be a .txt, .csv, or .dat file.
10. Click **Open**. The dialog closes, and the chosen file is displayed as the **Subset File**.
11. Click **Create**. If Explore is not sure what the text file contains, clicking **Create** opens the **Confirm contents of subset file** dialog.
12. If you selected a text file containing **Explore IDs**, then select **Yes, the file contains IDs**. If you selected a text file containing **Export Numbers**, then select **No, those are Export/Control numbers**. If some of the items in the

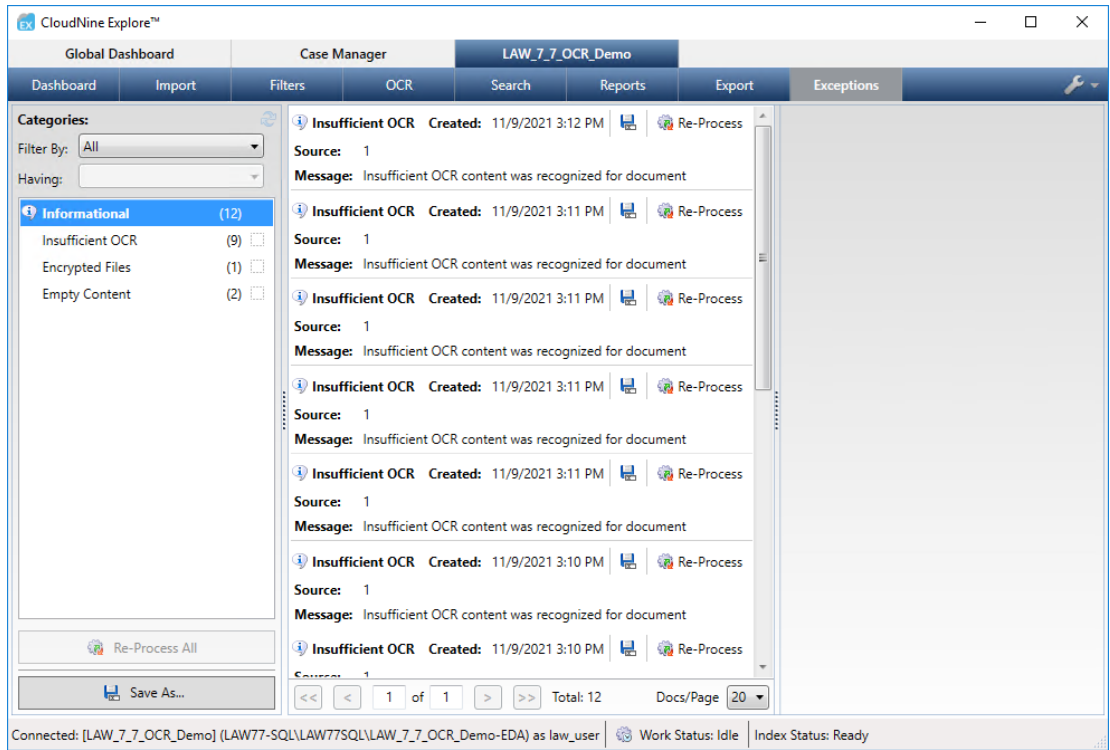
selected subset file are not found in the parent native export, the **Subset File Mismatch** dialog box is displayed.

13. Click **Yes** to continue. The new native subset **Export Set** is added to the list, and the **Active** option is selected for the new export.
14. Click **Done**. The new **Export Set** is displayed in the left pane of the **Export** tab.
15. Update any of the settings you want for the subset export. See [Generating a Native File Export](#) for all the available settings.
16. Click **Start** to start the export. Progress is displayed in the **Export Statistics** section. You can review data in the **Export Statistics** section using the available links.

Exceptions

If exceptions occur during source processing, the details are recorded and are made available for review. On the **Exceptions** tab the **Categories** pane displays exceptions organized by severity, with specific exception types listed beneath. Exceptions exist for any exception type that has the number higher than (0) alongside it.

You can filter the displayed exceptions by all exceptions or by individual custodians, file types, import sets or sources using the **Filter By** and **Having** lists above the exception category list.



The following table provides the name and description of each exception type in CloudNine™ Explore.

Critical Issues	
Analysis Failures	Unhandled analysis failure; logged after maximum attempts for the record is exceeded.
Inventory Failures	Unhandled inventory failure; logged after maximum attempts to inventory a source has been exceeded.
Indexing Failures	Unhandled indexing failure; logged after maximum attempts to index a file has been

Critical Issues	
	exceeded.
OCR Failures	Unhandled OCR failure; logged after maximum attempts to OCR a file has been exceeded.
Analytics Failures	Unhandled analytics failures; logged after maximum attempts to perform analytics have been exceeded.
Errors	
Inaccessible/Corrupted Mail-stores	Logged for failures that occur while attempting to open a mail store. Examples of mail-store files: *.pst, *.nsf, *.dbx, *.mbx
Message Parsing Errors	Logged when an attempt to parse a file or buffer that appears to be an email fails (item is instead treated as a Document).
Archive Parsing Errors	Logged when an attempt to parse an archive file fails due to corruption, encryption, or misidentification.
Inventory Errors	Unexpected exceptions that occur during the inventory phase, usually permission related exceptions while accessing a file or folder.
Hashing Errors	Unexpected exceptions for file and email hash operations that are usually thrown by

Critical Issues	
	the hashing engine itself.
File Identification Errors	Logged when the file engine reports a failure resulting in a file type that is unable to be determined.
Language Recognition Errors	Logged when language identification encounters an unexpected exception. See the error details for further information.
Container Listing Errors	Unexpected error listing the contents of a container or sub-container. This type of error will almost always prevent the entire contents of the container from being expanded.
Metadata Extraction Errors	Unexpected failure extracting metadata from file or buffer, possibly caused by a malformed document or email item.
Content Extraction Errors	Unexpected failure extracting content from file or buffer. Extracted text only, not related to OCR.
Indexing Errors	Unexpected indexing failure, or may be caused by document content exceeding the maximum index-able document size. Maximum index-able document size: 2,147,483,647 bytes (2GB)

Critical Issues	
Analysis Filtering Errors	Unexpected failure evaluating a processing filter (duplicate/nist).
OCR Errors	Errors that occurred while performing OCR on a document could be caused by the detection of an encrypted file, the source file not being found, an OCR output not found, or the OCR output being empty.
Inaccessible Forensic Image	Logged when a forensic image is inaccessible. Usually due to an unknown file system existing on the image, or an unexpected error.
Near Duplicate Detection Errors	Unexpected exceptions that occur during near-duplicate detection.
Email Thread Detection Errors	Unexpected exceptions that occur during email thread detection.
Near Duplicate Grouping Errors	Unexpected exceptions that occur during near-duplicate grouping detection.
Informational	

Critical Issues	
Unidentified File Types	Logged when a file type is successfully processed, but remains unidentified.
Empty Files	Logged when the file size is zero bytes.
Empty Content	Logged when a file contains no content, or when the content cannot be accessed due to encryption.
Encrypted Files	Logged when a file fails to open due to encryption. Usually caused by password protection.
Decrypted Files	Logged when a file is successfully decrypted. The password used to decrypt the file will be provided in the details, if it exists.
Executable Files	Logged when a file appears to be an executable or library file.
Date Range Filter	Logged when a file contains timestamps outside of the acceptable range for the date range filter. Minimum valid date: 1/1/1970
Cannot OCR	Logged when OCR was attempted for a document, but no content was retrieved.

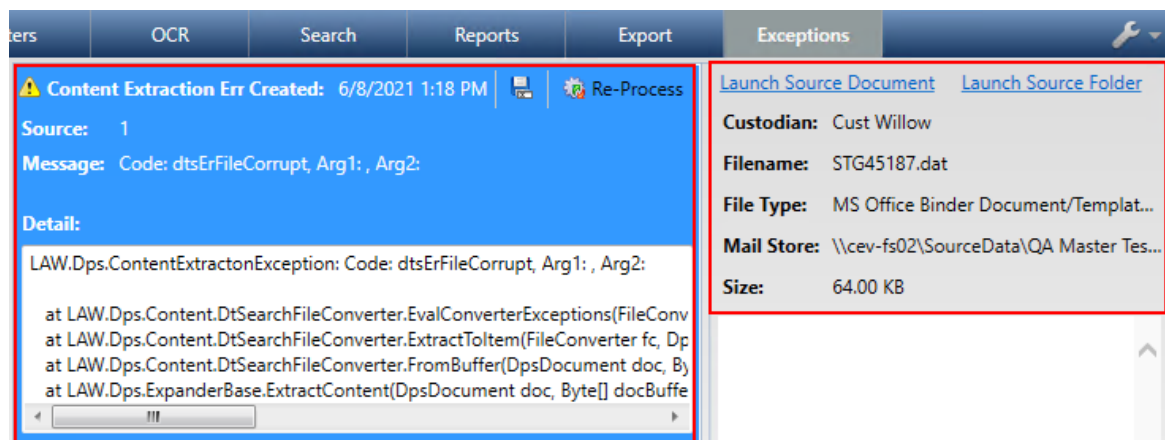
Critical Issues	
	Logged when a file is encrypted or protected, or when no OCR content was recognized for a document.

Viewing and Saving Individual Exception Details

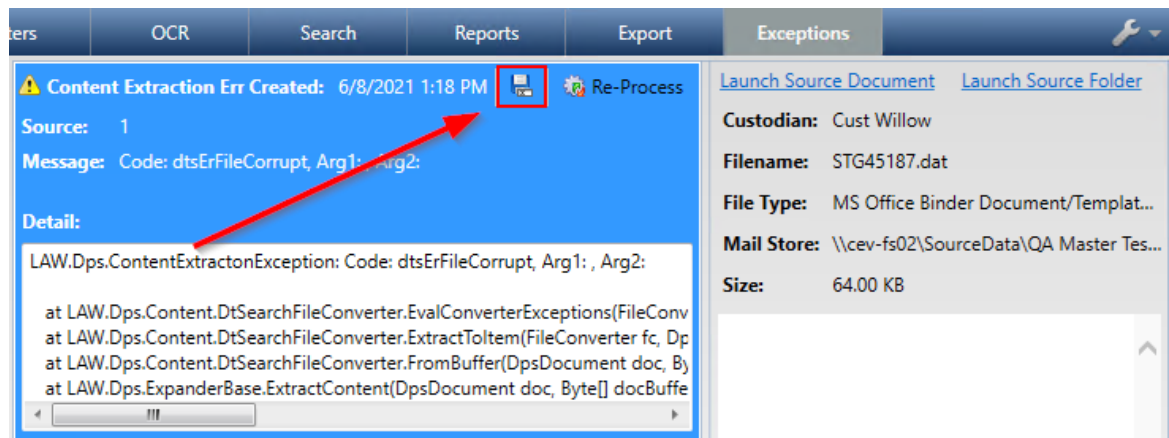
After reviewing exceptions, you can save the exception details for exception files, and you can re-analyze any of the exception files individually or by exception category. When you re-analyze a file, the file is removed from the exceptions list and added back into the analysis queue. Once the file is added to the analysis queue, it is automatically re-analyzed and re-indexed. If the file has attachments, or is part of a document family, the family relationships are retained.

1. Click the **Case Manager** tab.
2. Double-click a case to open it.
3. Click the **Exceptions** tab. In the leftmost panel, a listing of exception types organized by severity is visible. Exceptions are shown for any type that has more than 1 exception.
4. To filter the exception list, click one of the following in the **Filter By** list:
 - **All** - All exceptions will be displayed, and the **Having** list is disabled.
 - **Custodian** - The **Having** list is populated with the case's custodians.
 - **File Type** - The **Having** list is populated with all of the file types in the case.
 - **ImportSet** - The **Having** list is populated with all import sets in the case.
 - **Source** - The **Having** list is populated with the case's sources.

5. In the **Having** list, select the applicable custodian, file type, import set, or source. The **Categories** list on the left updates to show exceptions associated with the selections in the **Filter By** and **Having** lists.
6. In the **Categories** list, click an exception type.
 - i. In the center panel, the list of exceptions for the selected exception type is displayed. In the rightmost panel, details related to the currently selected exception are visible. If you want to view and open the source document associated with the exception in its native viewer, click **Launch Source Document** in the right-most panel. To open the folder containing the source document, click the **Launch Source Folder**. When the folder opens, the source document is selected in the folder. If the source document is located within a container file (such as a .pst file), clicking the **Launch Source Folder** link opens that folder with the container file selected.



7. Click the **save file** button to save a text file that contains the error log entry for the selected exception.



By default, the file is saved as a text file to the `..\cases\[current case name]` folder. It provides the following details:

- **Activity** - The activity attempted.
- **Category** - The category of the error.
- **Type** - The type of error.
- **Created** - The data and time when the error occurred.
- **Inventory Id** - The inventory identification number.
- **Source** - The source name.
- **Source Id** - The unique identifier within the case for the source.
- **Session Id** - The CloudNine™ Explore session number.
- **File Ref** - A path to the file, listing a relative folder structure.
- **Message** - A general description of the error.

Viewing and Saving All Exception Details

1. Click the **Case Manager** tab.
2. Double-click a case.

3. Go to the **Exceptions** tab.
4. In the **Categories** list, click **All**.
5. At the bottom of the **Categories** list, click the **Save As...** button. The **Save exception view (All) .csv** dialog displays.
6. Browse to where you want to save the exception details .csv file, and in the **File name** field enter an exception file name. By default, the file is saved to the .. \cases\[current case name] folder as **All Exceptions.csv**.
7. Click the **Save** button.

Re-Analyzing Individual Exceptions

1. Click the **Case Manager** tab.
2. Double-click a case to open it.
3. Go to the **Exceptions** tab. In the leftmost panel, a listing of exception types organized by severity is visible. Exceptions are shown for any type that has more than 1 exception.
4. To filter the **Categories** list, click one of the following in the **Filter By** list:
 - **All** - All exceptions will be displayed, and the **Having** list is disabled.
 - **Custodian** - The **Having** list is populated with the case's custodians.
 - **File Type** - The **Having** list is populated with all of the file types in the case.
 - **ImportSet** - The **Having** list is populated with all import sets in the case.
 - **Source** - The **Having** list is populated with the case's sources.
5. In the **Having** list, select the applicable custodian, file type, import set, or source. The **Categories** list on the left updates to show exceptions associated with the selections in the **Filter By** and **Having** lists.
6. In the **Categories** list, click the exception type you want to re-analyze.

- i. In the center panel, the list of exceptions for the selected exception type is displayed. In the rightmost panel, details related to the currently selected exception are visible. If you want to view and open the source document associated with an exception in its native viewer, click **Launch Source Document** in the rightmost panel. To open the folder containing the source document, click the **Launch Source Folder**. When the folder opens, the source document is selected in the folder. If the source document is located within a container file, such as a .pst file, clicking the **Launch Source Folder** link opens the folder with the container file selected.
7. In the center panel, click the **Re-Process** button for the exception you want to re-analyze.
 - i. When you click the **Re-Process** button, the file is removed from the exceptions list and added back into the analysis queue. Once the file is added to the analysis queue, it is automatically re-analyzed and re-indexed. If the file has attachments or is part of a document family, the family relationships are retained.



If you want to export files from the exception list without re-analyzing them, you can apply tags to individual files or all files in an exception category on the **Exception** tab, and then export those files based on the tag you applied. See [Tagging](#) and [Export](#) for more information.

Re-Analyzing Exceptions by Type

1. Click the **Case Manager** tab.
2. Double-click a case to open it.
3. Click the **Exceptions** tab. In the leftmost panel, a listing of exception types is visible. Exceptions are shown for any type that has more than 1 exception.
4. To filter the **Categories** list, click one of the following in the **Filter By** list:

- **All** - All exceptions will be displayed, and the **Having** list is disabled.
 - **Custodian** - The **Having** list is populated with the case's custodians.
 - **File Type** - The **Having** list is populated with all of the file types in the case.
 - **ImportSet** - The **Having** list is populated with all import sets in the case.
 - **Source** - The **Having** list is populated with the case's sources.
5. In the **Having** list, select the applicable custodian, file type, import set, or source.
 6. In the **Categories** list, click an exception type. The center panel updates to display the list of exceptions for the selected type, based on the **Filter By** and **Having** selections you chose.
 7. At the bottom of the **Categories** list, click the **Re-Process All** button. When you click the **Re-Process All** button, the files in the selected exception type are removed from the exceptions list and added back into the analysis queue. Once the files are added to the analysis queue, they are automatically re-analyzed and re-indexed. If a file has attachments or is part of a document family, the family relationships are retained.

Only exceptions based on the **Filter By** and **Having** selections you chose, and the exception type you selected, are re-analyzed.

The **Re-Process All** button is only enabled when selecting exception types that support re-analyzing from the **Categories** list.



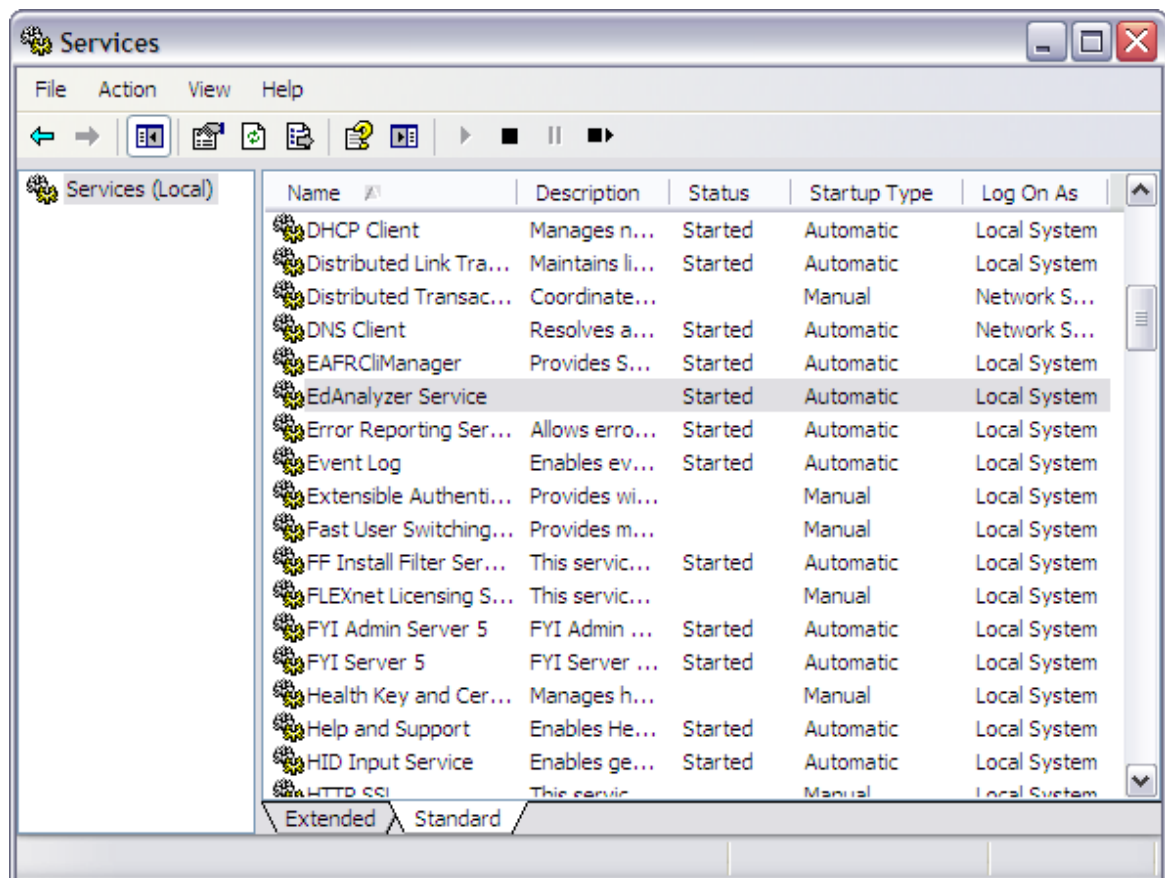
If you want to export files from the exception list without re-analyzing them, you can apply tags to individual files or all files in an exception category on the **Exception** tab, and then export those files based on the tag you applied. See [Tagging](#) and [Export](#) for more information.

Troubleshooting CloudNine Explore

Here is a list of the most frequent issues that clients run into with CloudNine™ Explore Service, and the steps you can take to fix them.

Verify CloudNine™ Explore Service is Installed

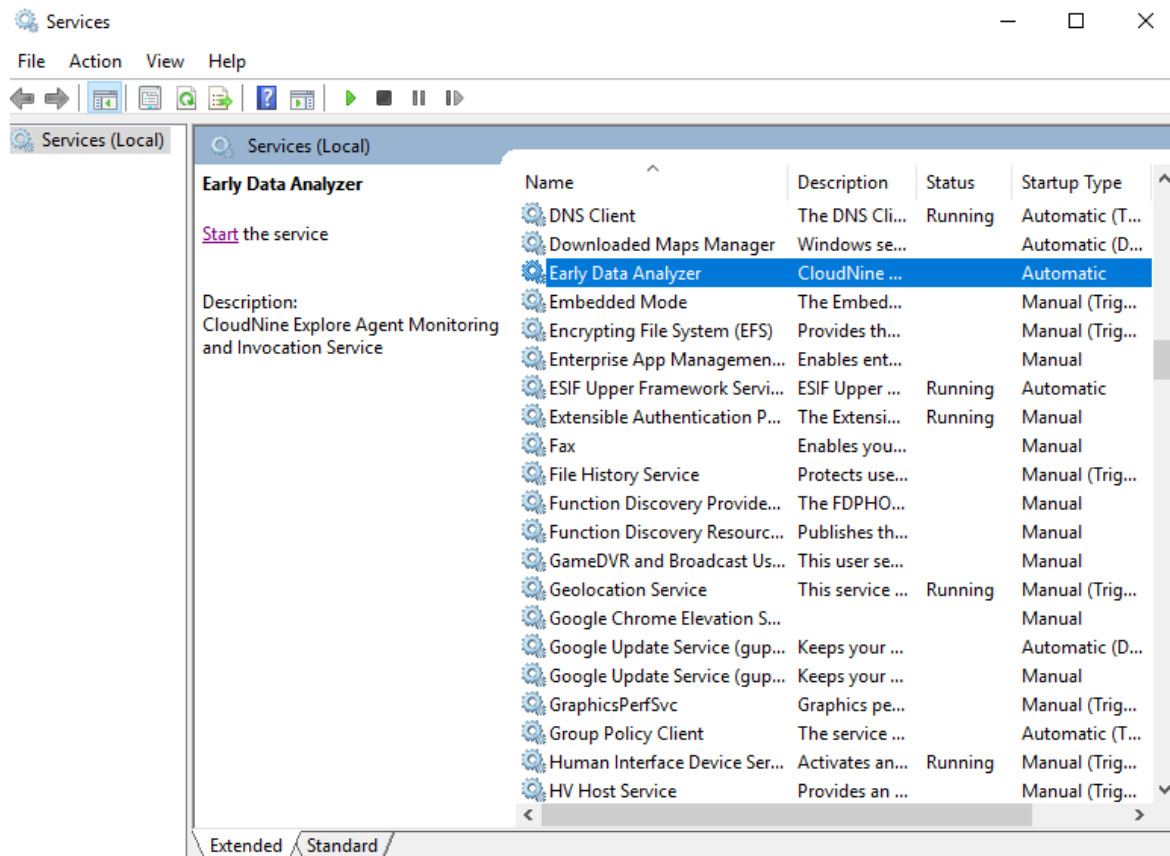
1. Open the Microsoft Windows **Services** dialog box. You can open the **Services** dialog box directly by opening the **services.msc** or by navigating to **Start > Control Panel > Administrative Tools > Services**.
2. In the **Services** list, locate the **Early Data Analyzer Service**. If the CloudNine™ Explore Service is installed, the **Early Data Analyzer** is displayed in the **Services** list.



3. In the **Status** column for the **Early Data Analyzer Service**, verify if the service is started.
 - i. If the service is started, **Started** is displayed.
4. If the service is not started, right click the **Early Data Analyzer Service**, and then click **Start**.

Verify Service Credentials Can Access the Database

1. Open the Microsoft Windows **Services** dialog box. You can open the **Services** dialog box directly by opening the **services.msc** or by navigating to **Start > Control Panel > Administrative Tools > Services**.
2. In the **Services** list, right-click the **Early Data Analyzer** and then click **Properties**. The **General** tab in the **Early Data Analyzer Service Properties** dialog displays.
3. Click the **Log On** tab.



4. Verify that the user account under which the **Early Data Analyzer Service** is running has access to the SQL Server database.



It is rare for the <Local System Account> to have the necessary permissions for the SQL Server database.

Review the Explore Service Log

1. Open the **CloudNine™ Explore Service Log Viewer** by opening the **ServiceLogViewer.exe** file. By default, the **ServiceLogViewer.exe** file is installed in the following directory: **C:\Program Files (x86)\Law50\EDAnalyzer\ServiceLogViewer.exe**.

Created	Type	Event	Message
1/25/2013 9:49:24 AM	Information	AgentComplete	[Agent completed] Agent: [svc://LNGSEAL-6002230:1] A
1/25/2013 9:49:20 AM	Information	AgentStarted	[Agent started] Agent: [svc://LNGSEAL-6002230:1] A
1/25/2013 9:49:15 AM	Information	AgentComplete	[Agent completed] Agent: [svc://LNGSEAL-6002230:1] A
1/25/2013 9:49:14 AM	Information	AgentStarted	[Agent started] Agent: [svc://LNGSEAL-6002230:1] A
1/25/2013 9:49:09 AM	Information	AgentComplete	[Agent completed] Agent: [svc://LNGSEAL-6002230:1] A
1/25/2013 9:49:08 AM	Information	AgentStarted	[Agent started] Agent: [svc://LNGSEAL-6002230:1] A
1/25/2013 9:49:03 AM	Information	AgentComplete	[Agent completed] Agent: [svc://LNGSEAL-6002230:1] A
1/25/2013 9:49:02 AM	Information	AgentStarted	[Agent started] Agent: [svc://LNGSEAL-6002230:1] A
1/25/2013 9:48:58 AM	Information	AgentComplete	[Agent completed] Agent: [svc://LNGSEAL-6002230:1] A
1/25/2013 9:48:57 AM	Information	AgentStarted	[Agent started] Agent: [svc://LNGSEAL-6002230:1] A
1/25/2013 9:48:52 AM	Information	AgentComplete	[Agent completed] Agent: [svc://LNGSEAL-6002230:1] A
1/25/2013 9:48:51 AM	Information	AgentStarted	[Agent started] Agent: [svc://LNGSEAL-6002230:1] A
1/25/2013 9:48:33 AM	Information	AgentComplete	[Agent completed] Agent: [svc://LNGSEAL-6002230:1] A
1/25/2013 9:48:28 AM	Information	AgentStarted	[Agent started] Agent: [svc://LNGSEAL-6002230:1] A
1/25/2013 9:48:18 AM	Information	AgentComplete	[Agent completed] Agent: [svc://LNGSEAL-6002230:1] A
1/25/2013 9:48:17 AM	Information	NoWorkInCase	No more work in case (Demo)
1/25/2013 9:47:54 AM	Information	AgentStarted	[Agent started] Agent: [svc://LNGSEAL-6002230:1] A
1/25/2013 9:47:50 AM	Information	AgentComplete	[Agent completed] Agent: [svc://LNGSEAL-6002230:1] A
1/25/2013 9:47:48 AM	Information	AgentStarted	[Agent started] Agent: [svc://LNGSEAL-6002230:1] A
1/25/2013 9:47:46 AM	Information	AgentComplete	[Agent completed] Agent: [svc://LNGSEAL-6002230:1] A
1/25/2013 9:47:43 AM	Information	AgentStarted	[Agent started] Agent: [svc://LNGSEAL-6002230:1] A
1/25/2013 9:47:40 AM	Information	AgentComplete	[Agent completed] Agent: [svc://LNGSEAL-6002230:1] A
1/25/2013 9:47:37 AM	Information	AgentStarted	[Agent started] Agent: [svc://LNGSEAL-6002230:1] A
1/25/2013 9:47:36 AM	Information	AgentComplete	[Agent completed] Agent: [svc://LNGSEAL-6002230:1] A
1/25/2013 9:47:29 AM	Information	AgentComplete	[Agent completed] Agent: [svc://LNGSEAL-6002230:1] A

- Review the CloudNine™ **Explore Service Log**. See if there is any relevant information regarding your issue. You can filter the log by the **Error**, **Information**, and **Warning** event types.

Integration Library

The Integration Library is a Microsoft .NET assembly that enables you to programmatically access limited sets of data and functionality that are available in CloudNine™ Explore and/or LAW.

Currently there are 4 versions of the API documentation available online. Please select the one that matches the version of Explore you are working with.

- [Explore API Integration Library version 7.2](#)
- [Explore API Integration Library version 7.3](#)

- [Explore API Integration Library version 7.5](#)
- [Explore API Integration Library version 7.6](#)

CloudNine Explore

User Guide

Reference Information

Chapter

3

Reference Information

Contacting CloudNine and Training Videos

CloudNine™ offers the broadest choice of discovery solutions, giving law firms, corporations and government agencies the efficiency, control, and confidence they need to litigate successfully in the face of overwhelming data volumes and rapidly changing technology.

Technical Support

Our number one priority is our clients. Our representatives pride themselves on resolving client issues quickly and effectively. To receive technical assistance, or to provide feedback or suggestions, please e-mail or call us. The Technical Support team is available from 9:00 am to 7:00 pm Eastern Time, Monday through Friday.

E-mail: lawsupport@cloudnine.com

Phone: 713-462-6464 ext. 13 for CloudNine™ Explore

Websites

CloudNine™ Solutions:

[CloudNine](#)

CloudNine™ Answer Center:

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Subjects that are covered are below. If you find that you would like a video that currently isn't covered, please let us know.

Workflow Overview From Case Creation to Export

Creating a New Case

Dashboard Overview

Tagging Overview

Reports Overview

OCR Overview

Configuring Case List & File Type Mangement

Languages

CloudNine™ Explore can recognize the languages that exist in imported documents. The languages recognized are listed in the following table:

Supported Languages			
LAN G_AF RIKA ANS	LAN G_FR ENC H	LAN G_L UXE MBO URGI SH	LAN G_S OMA LI
LAN G_AL BANI AN	LAN G_FR ISIA N	LAN G_M ACE DON IAN	LAN G_S ORBI AN
LAN G_AL SATI AN	LAN G_F ULF ULD E	LAN G_M ALA Y	LAN G_S OTH O
LAN G_A MHA RIC	LAN G_G ALICI AN	LAN G_M ALA YAL AM	LAN G_SP ANIS H
LAN G_A RABI C	LAN G_G EOR GIA N	LAN G_M ALTE SE	LAN G_S WAH ILI
LAN G_A RME NIA	LAN G_G ERM	LAN G_M ANIP	LAN G_S WED

*Due to a change in ABBYY licenses, only the languages show above are supported

Abbyy OCR Languages

Below is the list of languages that can the ABBYY engine can perform OCR on, inside of Explore.

Chinese (PRC)	English	Hungarian	Latin	Romanian
Chinese (Taiwan)	Finnish	Italian	Norwegian (Bokmal)	Romanian (Moldavia)
Czech	French	Japanese	Polish	Russian
Danish	German	Korean	Portuguese (Brazil)	Spanish
Dutch (Netherlands)	Greek	Korean (Hangul)	Portuguese (Standard)	Swedish

Explore Field Descriptions

The following table provides reference information for all Explore fields. For a download-able copy of field descriptions please see the **PDF Guides**.

In the Explore Field Descriptions table, the DAT File Field Name column is blank if the field name used in a DAT file is the same as the original Explore field name. If Explore needs to change the field name for a DAT file, the corresponding field name is displayed in the DAT File Field Name column. The EDRM File Field Name column is blank if the field name used in an EDRM file is the same as the original Explore field name. If Explore needs to change the field name for an EDRM file, the corresponding field name is displayed in the EDRM File Field Name column.

Field Name	Field Description	Examples	D A T F i l e F i e l d N a m e	E D R M F i l e F i e l d N a m e	Related Database Field Name(s)
<Tag Name>	Each tag created in CloudNine™ Explore and CloudNine™ Explore Web is included in the .General\Tags category.	ex: Confidential ex: Relevant			
Applicat	Application used to create the document.	ex: Microsoft			EDocuments.D

Field Name	Field Description	Examples	DATA File Field Name	EDRM File Field Name	Related Database Field Name(s)
ion		Office Power Point			ocApplication Name
Appointment	Appointment end date and time for calendar/appointment items. In version 1.6 or later, the time	ex (ApptEnd):	ApptE		Emails.Appointment End

Field Name	Field Description	Examples	DATA File Field Name	EDRM File Field Name	Related Database Field Name(s)
tEnd	zone of the exported date will match the "Case Time Zone" set prior to analysis (Case Settings > General tab).	20140313 ex (TmApptEnd): 22:15:00	nd TmApptEnd		

Field Name	Field Description	Examples	DATA File Field Name	EDRM File Field Name	Related Database Field Name(s)
		ex (EDRM): 2014-03-13T22:15:00			
Appto	Appointment start date and time for	ex (ApptS	Ap		Emails.Ap

Field Name	Field Description	Examples	DATA File Field Name	EDRM File Field Name	Related Database Field Name(s)
intmentStart	calendar/appointment items. In version 1.6 or later, the time zone of the exported date will match the "Case Time Zone" set prior to analysis (Case Settings > General tab).	tart): 20140313 ex (TmAppointmentStart): 23:00:00	p t S t a r t T m A p		pointmentStart

Field Name	Field Description	Examples	DAT File Field Name	EDRM File Field Name	Related Database Field Name(s)
		ex (EDRM): 2014-03-13T23:00:00	ptStart		
Appo	Appointment type	Meeting	Ap		EmailApp

Field Name	Field Description	Examples	DATA File Field Name	EDRM File Field Name	Related Database Field Name(s)
AppointmentType		Appointment	ptType		appointments table
Attach	Semi-colon-delimited list of filenames of the	ex: UserGuide.pdf;Hel		#Attachm	Emails.Attach

Field Name	Field Description	Examples	DATA File Field Name	EDRM File Field Name	Related Database Field Name(s)
	(top-level) attached files.	pFile.c hm		entN ames	
Attac hL ist	Populated for parent records only, this field contains a semi-colon-delimited list of	ex: A0001 ;A000 2;A00 03			Gene rated at time of

Field Name	Field Description	Examples	DATA File Field Name	EDRM File Field Name	Related Database Field Name(s)
	export numbers for the parent and each attachment record. In the example, A0001 is the parent and A0002 and A0003 are attached to A0001.				export
Attac	Semi-colon-delimited list of	ex: UserG		#Atta	Emails.Att

Field Name	Field Description	Examples	DATA File Field Name	EDRM File Field Name	Related Database Field Name(s)
Attachments	filenames of the (top-level) attached files.	uide.pdf;HelpFile.c hm		chmentN ames	ach
AttachP	Export number of the (top-level) parent document.	ex: A0001			Generated at

Field Name	Field Description	Examples	D A T A F i l e F i e l d N a m e	E D R M F i l e F i e l d N a m e	Related Database Field Name(s)
parent	Applied to all members of the family.				time of export
Attachment	Export numbers of the parent document and the last attachment in the family, separated by a hyphen. Field is	ex: A0001 - A0003			Generated at time of

Field Name	Field Description	Examples	DAT File Field Name	EDRM File Field Name	Related Database Field Name(s)
	empty for records that are not part of a parent/attachment relationship.				export
Author	Author field value extracted from the metadata of the native file during analysis.	ex: John Smith		#Author	EDocuments.DocAuthor

Field Name	Field Description	Examples	DATA File Field Name	EDRM File Field Name	Related Database Field Name(s)
BCC	Recipient(s) of "Blind Carbon Copies" of the email message.	ex: Smith, Jane (LNG-HBE) <jane.smith@cloudnine.com>		#BCC	Emails.Bcc

Field Name	Field Description	Examples	DATA File Field Name	EDRM File Field Name	Related Database Field Name(s)
Business Address	Business address for contact		Business Address		EmailContacts. Business Address

Field Name	Field Description	Examples	DATA File Field Name	EDRM File Field Name	Related Database Field Name(s)
Business Phone	Business phone number for contact		BusPPhone		EmailContacts. Business Phone
Business	Secondary business phone number for		Bu		EmailCon

Field Name	Field Description	Examples	D A T A File Field Name	E D R M File Field Name	Related Database Field Name(s)
esPhone2	contact		sPhone2		tacts. Business Phone2
Case	Name of the CloudNine™ Explore	ex: MyEda			Case Propertie

Field Name	Field Description	Examples	DATA File Field Name	EDRM File Field Name	Related Database Field Name(s)
	case from which the files were exported.	CaseName			s.Name
Categories	Category field value extracted from metadata of the native file.	ex: Software		#Categories	EDocuments.DocCategory

Field Name	Field Description	Examples	DATA File Field Name	EDRM File Field Name	Related Database Field Name(s)
CC	Recipient(s) of "Carbon Copies" of the email message.	ex: Smith, Jane (LNG-HBE) <jane.smith@CloudNine.com>		#CC	Emails.Cc

Field Name	Field Description	Examples	DATA File Field Name	EDRM File Field Name	Related Database Field Name(s)
Cellular Phone	Cellular phone number for contact		CellPhone		EmailContacts. CellularPhone
Client	Client name specified on the	ex: Client			EDA_Man

Field Name	Field Description	Examples	DATA File Field Name	EDRM File Field Name	Related Database Field Name(s)
t	General tab in the New or Edit Case Settings dialog box.	Matter _01			agement : EdaCaseListings.Client EdaCaseLi

Field Name	Field Description	Examples	DATA File Field Name	EDRM File Field Name	Related Database Field Name(s)
					s.Name
Code Page	Numeric value that specifies the character set used in the file.	ex: 1252			Emails.CodePage

Field Name	Field Description	Examples	DATA File Field Name	EDRM File Field Name	Related Database Field Name(s)
Comments	Comments field value extracted from the metadata of the native file.	ex: Paragraph needs updated info.		#Comments	EDocuments.DocComments
Com	Company name for contact				EmailContacts.

Field Name	Field Description	Examples	DAT File Field Name	EDRM File Field Name	Related Database Field Name(s)
pany					Company
CompressedSize	Populated for items that were contained within certain archive types (e.g. not populated for 7zip items), this field contains the	ex: 29777 92	CompressedSize		InventoryItems.CompressedSize

Field Name	Field Description	Examples	DATA File Field Name	EDRM File Field Name	Related Database Field Name(s)
	compressed size of the file in bytes.				
Contact Email	Email address for contact		CONTACTE		EmailContacts. ContactEmail

Field Name	Field Description	Examples	DATA File Field Name	EDRM File Field Name	Related Database Field Name(s)
			ml		
Contact Email 2	Secondary email address for contact		CONTACTE		EmailContacts. ContactEmail 2

Field Name	Field Description	Examples	DATA File Field Name	EDRM File Field Name	Related Database Field Name(s)
			ml2		
ContainerPath	For documents extracted from a Microsoft Outlook or Lotus Notes mail store, archive, or forensic image container file, the	ex: Inbox\ Follow Up	Contain	ContainerPath	InventoryItemComposite

Field Name	Field Description	Examples	DATA File Field Name	EDRM File Field Name	Related Database Field Name(s)
	<p>path of the document as it exists in its immediate parent container file.</p> <p>For example, if there is a .pst file containing the folder structure Inbox\ProjectA\email.msg, the ContainerPath value</p>		Path		Name

Field Name	Field Description	Examples	DATA File Field Name	EDRM File Field Name	Related Database Field Name(s)
	for the email.msg file would be: Inbox\ProjectA				
Conversation	Microsoft-specific value used to identify an e-mail conversation.	ex: 01CF5 D946F 4EFD6 56072 02	ConvId		Emails.ConversationID

Field Name	Field Description	Examples	DATA File Field Name	EDRM File Field Name	Related Database Field Name(s)
nlnd					
Conversation Index	Microsoft-specific value used for tracking position of an email within a conversation. This value is used during the process of email threading.	ex: 0101C F602E 916BD DE035 F5FB3 D47A 8D8D 2	Conversation		Emails.ConversationIndex

Field Name	Field Description	Examples	DATA File Field Name	EDRM File Field Name	Related Database Field Name(s)
		D6F92 CC769	ex		
ConversationTopic	Normalized subject of emails.	ex: Priorities for 2013	ConvTop		Emails.ConversationTopic

Field Name	Field Description	Examples	DAT File Field Name	EDRM File Field Name	Related Database Field Name(s)
			i c		
Created	File creation date and time extracted from the metadata of the native file during analysis. In version 1.6 or later, the time zone of the exported date will	ex (Created): 20140 225	C r e a t e d	# D a t e C r e a t e d	EDoc u m e n t s. D o c C r e a t e d

Field Name	Field Description	Examples	DATA File Field Name	EDRM File Field Name	Related Database Field Name(s)
	<p>match the "Case Time Zone" set prior to analysis (Case Settings > General tab).</p> <p>If the Created date metadata is not available, this field will be populated with date information from</p>	<p>ex (TmCreated):</p> <p>15:48:53</p> <p>ex (EDRM):</p>	TmCreated		

Field Name	Field Description	Examples	D A T A F i l e F i e l d N a m e	E D R M F i l e F i e l d N a m e	R e l a t e d D a t a b a s e F i e l d N a m e (s)
	the parent hierarchy or the file system if no parent exists.	2014-02-25T15:48:53			
Custodian	Textual custodian value assigned by the user on the Import tab.	ex: Smith, John			Custodians.Name

Field Name	Field Description	Examples	DATA File Field Name	EDRM File Field Name	Related Database Field Name(s)
	<p>appointment items, these fields hold the appointment start date and time. For e-documents, the earlier of the two dates found in the creation and last modified fields (within the internal document metadata (if available)) is used.</p>	<p>_LBound): 21:55:00 ex (EDRM): 2006-12-</p>	<p>D F - L B o u n d</p>		

Field Name	Field Description	Examples	DAT File Field Name	EDRM File Field Name	Related Database Field Name(s)
	In version 1.6 or later, the time zone of the exported date will match the "Case Time Zone" set prior to analysis (Case Settings > General tab).	25T21:55:00			
Date	For emails, this field holds the sent date	ex (DAT)	DF		Date Filter

Field Name	Field Description	Examples	DAT File Field Name	EDRM File Field Name	Related Database Field Name(s)
Filter Upper Bound	of the message, split into two fields in the load file: DF_UBound (date in YYYY/MM/DD format) and TmDF_UBound (time in HH:MM:SS 24-hour time format, GMT). For calendar / appointment items, these fields hold the	(DF_UBound): 20081225 ex (DAT) (TmDF_UBound):	_UBound TmDF		UpperBound

Field Name	Field Description	Examples	DAT File Field Name	EDRM File Field Name	Related Database Field Name(s)
	<p>appointment end date and time. For e-documents, the more recent of the two dates found in the creation and last modified fields (within the internal document metadata (if available)) is used. In version 1.6 or later, the time zone</p>	<p>22:05:00 ex (EDRM): 2008-12-25T22:05:00</p>	<p>- Unbound</p>		

Field Name	Field Description	Examples	DATA File Field Name	EDRM File Field Name	Related Database Field Name(s)
	of the exported date will match the "Case Time Zone" set prior to analysis (Case Settings > General tab).				
Date So	Indicates where the document created and modified dates were obtained.	Possible values:			EDocuments.Dates

Field Name	Field Description	Examples	DATA File Field Name	EDRM File Field Name	Related Database Field Name(s)
urce		1=File System 2=Parent 3=Mapi Properties			ource

Field Name	Field Description	Examples	DAT File Field Name	EDRM File Field Name	Related Database Field Name(s)
		4=Archive Entry 5=Metadata			
Decryp	Indicates whether a file was decrypted during import.	Possible values (DAT):			Inventory Items.D

Field Name	Field Description	Examples	DAT File Field Name	EDRM File Field Name	Related Database Field Name(s)
ted		0 or No=File was never encrypted OR file was encrypted and could			ecrypted

Field Name	Field Description	Examples	DATA File Field Name	EDRM File Field Name	Related Database Field Name(s)
		not be decrypted 1 or Yes=File was successfully decrypted			

Field Name	Field Description	Examples	D A T A F i l e F i e l d N a m e	E D R M F i l e F i e l d N a m e	Related Database Field Name(s)
Delegator	Person who assigned the task				EmailTasks.Delegator
Delivery Receipt	Indicates whether the option to request a delivery receipt was enabled	Possible values:			Emails.DeliveryReceipt

Field Name	Field Description	Examples	DATA File Field Name	EDRM File Field Name	Related Database Field Name(s)
	in the email message.	0=No receipt requested or non-mail item 1=Delivery receipt			

Field Name	Field Description	Examples	DATA File Field Name	EDRM File Field Name	Related Database Field Name(s)
		requested			
DepartmentName	Department name for contact		DeptName		EmailContacts. DepartmentName

Field Name	Field Description	Examples	DATA File Field Name	EDRM File Field Name	Related Database Field Name(s)
me					
Directory	Path to the original folder/location of the source file. For each item that originated in a mail store, the Directory will list the path to the mail store.	ex: C:\Data			Directories, Inventor yItems.D

Field Name	Field Description	Examples	DATA File Field Name	EDRM File Field Name	Related Database Field Name(s)
					irectoryId
Display Name	Full name field from Outlook contact				EmailContacts.DisplayName

Field Name	Field Description	Examples	DATA File Field Name	EDRM File Field Name	Related Database Field Name(s)
DistributionListMembers	Distribution list member names and email addresses separated by semicolons	MemberName1 <EmailAddress1>; MemberName2 <Email	DistributionMembers		DistributionListMembers.MemberName Distribution

Field Name	Field Description	Examples	DATA File Field Name	EDRM File Field Name	Related Database Field Name(s)
		Address 2>			onListMembers.Email Address
Document	ID number associated with the native file type	ex: 2209			Inventory

Field Name	Field Description	Examples	DATA File Field Name	EDRM File Field Name	Related Database Field Name(s)
entType	(provided by third-party file identification engine).				ms.FileType
Duplicate	Names of the custodians containing duplicate versions of the original record. Populated for parent	ex: FirstCustodianName; Second			Generated at time of

Field Name	Field Description	Examples	DAT File Field Name	EDRM File Field Name	Related Database Field Name(s)
mes	duplicates/original records only.	dCustodian Name			export
Duplicate Paths	Source path to each duplicate version of the original record. Populated for parent/original records only.	e-doc ex: CustName\Folder0			Generated at time of export

Field Name	Field Description	Examples	DATA File Field Name	EDRM File Field Name	Related Database Field Name(s)
		1\Folder02 email ex: CustName\ Mail- Stores \Archi			

Field Name	Field Description	Examples	DATA File Field Name	EDRM File Field Name	Related Database Field Name(s)
		ve.pst\ Inbox			
Duplicated	Contains the Edald value of the original record in a duplicate relationship (the original and all associated duplicates are	ex: 42			Generated at time of export

Field Name	Field Description	Examples	DATA File Field Name	EDRM File Field Name	Related Database Field Name(s)
	assigned the same value).				
DupParentName	Custodian name of the original record. Populated for duplicate records only.	ex: ParentCustodianName	DupParentN		Generated at time of export

Field Name	Field Description	Examples	DAT File Field Name	EDRM File Field Name	Related Database Field Name(s)
			ame		
DupParentPath	Name of the custodian containing the original record. Populated for duplicate records only.	e-doc ex: CustName\Folder0	DupPrint		Generated at time of export

Field Name	Field Description	Examples	DATA File Field Name	EDRM File Field Name	Related Database Field Name(s)
		1\Folder02 email ex: CustName\ Mail- Stores \Archi	P a t h		

Field Name	Field Description	Examples	DATA File Field Name	EDRM File Field Name	Related Database Field Name(s)
		ve.pst\ Inbox			
Edal d	Unique value for each record in a CloudNine™ Explore case - assigned by CloudNine™ Explore during analysis.	ex: 1			Inventory Items.I D

Field Name	Field Description	Examples	DATA File Field Name	EDRM File Field Name	Related Database Field Name(s)
ED Folder Path	Relative path to source files (if e-docs or loose e-mail) or relative path and folder path contained within a mail store (if NSF or PST).	edocs = folder\ folder\ folder emails = folder\ mailst ore\fol	ED Folder Path		Generated at time of export

Field Name	Field Description	Examples	DATA File Field Name	EDRM File Field Name	Related Database Field Name(s)
		der\folder			
Email Client	Email client used to send the email message (information not always available).	ex: outlook			Emails.EmailClient

Field Name	Field Description	Examples	DATA File Field Name	EDRM File Field Name	Related Database Field Name(s)
Email Subject	Subject line from the email message.	ex: FW: Priorities for 2013		#Subject	Emails.Subject
Encrypt	Indicates whether a file is encrypted.	Possible values:			InventoryItems.E

Field Name	Field Description	Examples	DATA File Field Name	EDRM File Field Name	Related Database Field Name(s)
ted		0 or No=File was never encrypted OR file was encrypted and could			ncrypted

Field Name	Field Description	Examples	DATA File Field Name	EDRM File Field Name	Related Database Field Name(s)
		not be decrypted 1 or Yes=File is encrypted			

Field Name	Field Description	Examples	D A T A F i l e F i e l d N a m e	E D R M F i l e F i e l d N a m e	Related Database Field Name(s)
Entry Id	Unique identifier of emails in mail stores.	ex: 00000 0003D E46CC 0FC76 C0418 7C0BB 41FBE BB063 E4002 000			Emails.EntryId

Field Name	Field Description	Examples	DAT File Field Name	EDRM File Field Name	Related Database Field Name(s)
ET_Inclusive	Flags a minimal set of emails which can be viewed in order to read the email message thread's entire conversation. In the simplest case this will simply be the last message in the thread, since it will quote all the previous messages.	Possible values (DAT): 0=Not inclusive 1=Inclusive			Threading.ThreadIndex.Inclusive Message Threading

Field Name	Field Description	Examples	DATA File Field Name	EDRM File Field Name	Related Database Field Name(s)
		Possible values (EDRM): Not inclusive			e.g. Thread Index, Inclusive Attachment, Threading, etc.

Field Name	Field Description	Examples	DATA File Field Name	EDRM File Field Name	Related Database Field Name(s)
		Yes=Inclusive			Messages.GroupID
ET_InclusiveReason	If ET_Inclusive field is set to Yes or 1, ET_InclusiveReason field indicates why the email is inclusive. If the email	Possible values: Message	ET_Incl		Threading.ThreadIndex.inclu

Field Name	Field Description	Examples	DATA File Field Name	EDRM File Field Name	Related Database Field Name(s)
son	message contains message content that is not copied in any of its subsequent replies or forwards, Message is displayed. If the email message has attachments that are not included in any of its subsequent	Attachment Message, Attachment	Reason		sive Message Threading.Thread Index. inclusive Attac

Field Name	Field Description	Examples	DATA File Field Name	EDRM File Field Name	Related Database Field Name(s)
	<p>replies or forwards, Attachment is displayed. If the email message has both new message content and new attachments not included in any of its subsequent replies or forwards, Message, Attachment is</p>				<p>hment</p>

Field Name	Field Description	Examples	DATA File Field Name	EDRM File Field Name	Related Database Field Name(s)
	displayed. If ET_Inclusive field is set to N, ET_InclusiveReason field is blank.				
ET_Indent	Indicates the indent level of the email message in relation to the first email in the email thread	Possible values:	ET_Indent	ET_Indent	Calculated by counting

Field Name	Field Description	Examples	DATA File Field Name	EDRM File Field Name	Related Database Field Name(s)
	associated with the email message.	0=First email in the email thread 1=Replies to first email	dent		the number of periods in the ET_ThreadIndex field

Field Name	Field Description	Examples	DATA File Field Name	EDRM File Field Name	Related Database Field Name(s)
		2=Replies to replies to first email 3=Replies to replies to replies to first			value.

Field Name	Field Description	Examples	DAT File Field Name	EDRM File Field Name	Related Database Field Name(s)
		email... and so on.			
ET_Is Mes	Indicates whether the document was recognized as an email message.	Possible values (DAT):			Generated at time of

Field Name	Field Description	Examples	DATA File Field Name	EDRM File Field Name	Related Database Field Name(s)
sa ge		0=Not an email 1=Identified as an email Possible values			export (multiple conditions apply)

Field Name	Field Description	Examples	D A T A File Field Name	E D R M File Field Name	Related Database Field Name(s)
		(EDR M): No=Not an email Yes=Identified as an email			

Field Name	Field Description	Examples	DATA File Field Name	EDRM File Field Name	Related Database Field Name(s)
ET - Message Id	Unique ID that is assigned to each message. If several documents have the same Message ID, it is because they were recognized as separate copies of the same email message.	ex: 00000 001			Threading.Messages.GroupID

Field Name	Field Description	Examples	DATA File Field Name	EDRM File Field Name	Related Database Field Name(s)
ET_ParentId	The immediate parent of the current email in the thread. For the first message, this will be blank. For each subsequent one, it will be the Edald / InventoryItems.ID (padded with zeroes to make eight characters) of the	ex: 00000 013			Threading.ThreadIndex

Field Name	Field Description	Examples	DATA File Field Name	EDRM File Field Name	Related Database Field Name(s)
	email which it replies to or is a forward of. For attachments, ET_ParentID indicates the email to which it is attached.				
ET_T	A unique ID assigned to each	ex: 00000			Thre adin

Field Name	Field Description	Examples	D A T A File Field Name	E D R M File Field Name	Related Database Field Name(s)
theadl	message thread.	004			g.Threadlndex.Thread
ET_theadl	Composed of a base ID, plus a unique number for each message within the thread, and if there	ex: 4.1.2.3 .4.5.6. 7	E T - T h		Threading.Threadlndex.

Field Name	Field Description	Examples	DATA File Field Name	EDRM File Field Name	Related Database Field Name(s)
index	<p>are attachments, the letter A plus the unique number for the attachment within the thread. For example, A1, A2, A3. Uses the format: [base ID].[unique number for message].A[unique attachment number]. The base</p>		index		index

Field Name	Field Description	Examples	DATA File Field Name	EDRM File Field Name	Related Database Field Name(s)
	ID is the same as the thread ID without the leading zeros. The thread index for the root message of the thread will just be this.				
ET_Thr	The total number of unique messages in the thread.	ex: 7	ET_	-	Threading.Thr

Field Name	Field Description	Examples	DAT File Field Name	EDRM File Field Name	Related Database Field Name(s)
eadSize			ThrdSize		eadlndex.thrdSize
ET_T	A sort order which follows the chain of	ex: 1	ET		Threadin

Field Name	Field Description	Examples	DATA File Field Name	EDRM File Field Name	Related Database Field Name(s)
ThreadSort	conversation, from first message to most recent. If a conversation splits into multiple branches, ET_ThreadSort will keep each of the branches together.		- ThreadSort		g.Threads.Sort

Field Name	Field Description	Examples	DATA File Field Name	EDRM File Field Name	Related Database Field Name(s)
Export Native File Title	The name of the native file that was exported. If the user selects to copy native files to the export directory in Export Configuration.	ex:00000010.ntv.pdf	Native File	<File FileType="Native">	Exports.ExportNativeFileTitle

Field Name	Field Description	Examples	DAT File Field Name	EDRM File Field Name	Related Database Field Name(s)
Export Number	Based on the user-defined starting number specified in the Export # field on the Export tab, this value increments by one for each record in the load file.	ex: ABC000001			Expo rtl te ms. E x p o r t N u m b e r
Expo	The sub-directory below the	ex: 001	l n	In cl	Expo rtl te

Field Name	Field Description	Examples	DATA File Field Name	EDRM File Field Name	Related Database Field Name(s)
rtPath	ExportDirectory (specified in Export Configuration) where the native file or text file was placed.		cluded in Native	and Text Export	ms.Export Path

Field Name	Field Description	Examples	DATA File Field Name	EDRM File Field Name	Related Database Field Name(s)
			e File and Text P	na lFile path	

Field Name	Field Description	Examples	DATA File Field Name	EDRM File Field Name	Related Database Field Name(s)
			ath		
ExportTextFileTitle	The name of the text file that was exported. If the user selects to copy native files to the export directory in	ex:00008393.txt	TextPath	<FileType="T	ExportTextFileTitle

Field Name	Field Description	Examples	DATA File Field Name	EDRM File Field Name	Related Database Field Name(s)
	Export Configuration.		th	ext">	
Family Parent Do	The unique identifier of the family parent of this document.	ex: 3CA85 9A0- 2786- 4A93- A6C3- DC8C	Family Parent	Family Parent D	InventoryItems.FamilyPid

Field Name	Field Description	Examples	DATA File Field Name	EDRM File Field Name	Related Database Field Name(s)
documentGuid		9C24E BB8	rent	documentGuid	
FileDes	Text file type description of native file (provided by	ex: MS Excel 2007-	File		Inventory

Field Name	Field Description	Examples	DAT File Field Name	EDRM File Field Name	Related Database Field Name(s)
cription	third-party file identification engine).	2010 Spreadsheet (Open XML)	Description		ms.FileTypeDesc
FileE	File extension of the native file. The value	e-doc ex:	File	#File	Inventor

Field Name	Field Description	Examples	DATA File Field Name	EDRM File Field Name	Related Database Field Name(s)
Extension	will be "Ind" for Lotus Notes documents (e.g. emails in an NSF).	docx email ex: msg	e E x t	Ex t e n s i o n	ylte ms.Fi lena me
Filename	Filename of the native file.	e-doc ex:		#F ile N a	Inve ntor ylte ms.Fi

Field Name	Field Description	Examples	DATA File Field Name	EDRM File Field Name	Related Database Field Name(s)
me		TrainingManual.doc email ex: Training Oppor		me	lename

Field Name	Field Description	Examples	DATA File Field Name	EDRM File Field Name	Related Database Field Name(s)
		tunitie s.msg			
File Type	ID number associated with the native file type (provided by third-party file identification engine).	ex: 2209			Inventory Items.File Type

Field Name	Field Description	Examples	D A T A F i l e F i e l d N a m e	E D R M F i l e F i e l d N a m e	Related Database Field Name(s)
FileURI	Used internally by the system to retrieve mail store items for exporting and viewing native files.	ex (Lotus Notes email): note-id://D 2D099 67C76 79B3E 86257 11400			InventoryItemCompositeURI

Field Name	Field Description	Examples	D A T A File Field Name	E D R M File Field Name	Related Database Field Name(s)
		748A11			
FlagDueBy	Date/time when action/follow-up is required for message				Emails.FlagDueBy
Flaglc	Indicates if a flag icon (follow-up flag)	6			Emails.Fl

Field Name	Field Description	Examples	DATA File Field Name	EDRM File Field Name	Related Database Field Name(s)
on	was set for a message, and if so, what color				glcon
FlagStatus	Follow-up flag value for message	Marked			Emails.FlagStatus

Field Name	Field Description	Examples	DATA File Field Name	EDRM File Field Name	Related Database Field Name(s)
From	Sender of the email message.	ex: Smith, Jane (LNG- HBE) <jane.smith@CloudNine.com>		#From	Emails.From

Field Name	Field Description	Examples	D A T A F i l e F i e l d N a m e	E D R M F i l e F i e l d N a m e	Related Database Field Name(s)
From Domain	Domain portion (only) of the sender's email address.	ex: Cloud Nine.com			Emails.Domain
Govern	Government ID number for contact				EmailContacts.

Field Name	Field Description	Examples	DATA File Field Name	EDRM File Field Name	Related Database Field Name(s)
mentld					Governmentld
GUID	Global unique identifier for a document.				InventoryItem.msGUID

Field Name	Field Description	Examples	DATA File Field Name	EDRM File Field Name	Related Database Field Name(s)
HasAttachments	Indicates whether a record has attachments or not.	Possible values: 0 or No=Does not have attachments	HasAttachments	#HasAttachments	InventoryItems.HasChildren

Field Name	Field Description	Examples	D A T A File Field Name	E D R M File Field Name	Related Database Field Name(s)
		1 or Yes=Does have attachments			
HasComments	Indicates whether comments exist in the Microsoft Word, Microsoft	Possible values:			EDocuments.DocHas

Field Name	Field Description	Examples	DAT File Field Name	EDRM File Field Name	Related Database Field Name(s)
ments	PowerPoint, or Microsoft Excel native file, or whether sticky notes exist in the Adobe Acrobat PDF native file.	0 or No=N o comments exist or setting was not enabled			sComments

Field Name	Field Description	Examples	DATA File Field Name	EDRM File Field Name	Related Database Field Name(s)
		during analysis 1 or Yes=Comments exist within the			

Field Name	Field Description	Examples	DAT File Field Name	EDRM File Field Name	Related Database Field Name(s)
		document			
HasDuplicate	Indicates if the record is an original record and has duplicates in the case.	Possible values: 0 or No=Duplicate file			Generated at time of export

Field Name	Field Description	Examples	DATA File Field Name	EDRM File Field Name	Related Database Field Name(s)
		<p>OR file is not in a duplicate relationship</p> <p>1 or Yes=Original file -</p>			

Field Name	Field Description	Examples	DATA File Field Name	EDRM File Field Name	Related Database Field Name(s)
		duplicates of this record exist in the case			
Hash	MD5 or SHA-1 hash of the email or edocument,	ex: F99E3 18148 64692			Inventory

Field Name	Field Description	Examples	DAT File Field Name	EDRM File Field Name	Related Database Field Name(s)
	depending on Deduplication Mode setting at time of import.	B6BD D6C1 0C30B 5A55E 5A FD4E8			ms.Hash
Hash Identifier	Indicates whether the native Microsoft Excel file contains hidden row(s) or column(s).	Possible values:	Hash Identifier		EDocuments.DocHashId

Field Name	Field Description	Examples	D A T F i l e F i e l d N a m e	E D R M F i l e F i e l d N a m e	Related Database Field Name(s)
ows Cols		0 or No=Does not contain a hidden row or column or setting	d R o w C o l		denRows Cols

Field Name	Field Description	Examples	DATA File Field Name	EDRM File Field Name	Related Database Field Name(s)
		<p>was not enabled during analysis</p> <p>1 or Yes=Contains</p>			

Field Name	Field Description	Examples	DATA File Field Name	EDRM File Field Name	Related Database Field Name(s)
		hidden row(s) and/or column(s)			
Hashidde	Indicates whether the native Microsoft Excel file contains hidden sheet(s).	Possible values:	HASH		EDocuments.DocHa

Field Name	Field Description	Examples	DATA File Field Name	EDRM File Field Name	Related Database Field Name(s)
nSheets		0 or No=Does not contain hidden sheets or setting was	idSheets		sHiddenSheets

Field Name	Field Description	Examples	DATA File Field Name	EDRM File Field Name	Related Database Field Name(s)
		not enabled during analysis 1 or Yes=Contains hidden			

Field Name	Field Description	Examples	DATA File Field Name	EDRM File Field Name	Related Database Field Name(s)
		n sheet(s)			
Hashidde nSlides	Indicates whether the native Microsoft PowerPoint file contains hidden slide(s).	Possible values: 0 or No=Does	HashidS		EDocuments.DocHashidde nSlides

Field Name	Field Description	Examples	DATA File Field Name	EDRM File Field Name	Related Database Field Name(s)
		not contain hidden slides or setting was not enabled	slides		

Field Name	Field Description	Examples	DATA File Field Name	EDRM File Field Name	Related Database Field Name(s)
		during analysis 1 or Yes=Contains hidden slide(s)			

Field Name	Field Description	Examples	D A T A File Field Name	E D R M File Field Name	Related Database Field Name(s)
Has Speaker Notes	Indicates whether the native Microsoft PowerPoint file contains speaker note(s).	Possible values: 0 or No=Does not contain speaker	Has Speaker Notes		EDocuments.DocHasSpeakerNotes

Field Name	Field Description	Examples	DATA File Field Name	EDRM File Field Name	Related Database Field Name(s)
		<p>notes or setting was not enabled during analysis</p>			

Field Name	Field Description	Examples	DATA File Field Name	EDRM File Field Name	Related Database Field Name(s)
		1 or Yes=Contains speaker note(s)			
HasT	Indicates whether the exported native	Possible			Inventor

Field Name	Field Description	Examples	DAT File Field Name	EDRM File Field Name	Related Database Field Name(s)
ext	file has associated text in the export folder. If "Include text" is selected, the value will be "0" (DAT) or "No" (EDRM) for each record.	values: 0 or No=Include Text was not enabled or record does			ylte ms.C onte ntSta tus >1

Field Name	Field Description	Examples	DATA File Field Name	EDRM File Field Name	Related Database Field Name(s)
		not have text 1 or Yes=Native file has associated text			

Field Name	Field Description	Examples	DATA File Field Name	EDRM File Field Name	Related Database Field Name(s)
HasTrackedChanges	Indicates whether the Microsoft Word or Microsoft Excel file contains tracked change(s).	Possible values: 0 or No=Does not contain tracked	HasTrackedChgs		EDocuments.DocHasTrackedChanges

Field Name	Field Description	Examples	DAT File Field Name	EDRM File Field Name	Related Database Field Name(s)
		changes or setting was not enabled during analysis			

Field Name	Field Description	Examples	DATA File Field Name	EDRM File Field Name	Related Database Field Name(s)
		1 or Yes=Contains tracked change(s)			
Head	Contents of the header extracted			# He	Emails.He

Field Name	Field Description	Examples	DATA File Field Name	EDRM File Field Name	Related Database Field Name(s)
ers	from the email message (not always present in email messages).			aders	aders
HomeAddress	Home address for contact				EmailContacts. HomeAddress

Field Name	Field Description	Examples	DATA File Field Name	EDRM File Field Name	Related Database Field Name(s)
IconIndex	Used in Exchange to determine which icon to display (e.g. MailUnread).	ex: 42949 67295			Emails.IconIndex
Importance	Value of the Importance flag contained in the email message.	Low Normal High		#ImportanceF	Emails.Importance

Field Name	Field Description	Examples	DAT File Field Name	EDRM File Field Name	Related Database Field Name(s)
		None Note: The SQL database codes these values as numb		lag	

Field Name	Field Description	Examples	DATA File Field Name	EDRM File Field Name	Related Database Field Name(s)
		ers. Low is 0, Normal is 1, High is 2, and None is 3.			

Field Name	Field Description	Examples	DAT File Field Name	EDRM File Field Name	Related Database Field Name(s)
Imported	Date/time (UTC) the file was imported into the CloudNine™ Explore case, split into two fields in the load file: Imported (date the file was imported) and TmImported (time the file was imported). In version 1.6 or later,	<p>ex (DAT) (Imported):</p> <p>20140203</p> <p>ex (DAT) (TmIm</p>	<p>I</p> <p>m</p> <p>p</p> <p>o</p> <p>r</p> <p>t</p> <p>e</p> <p>d</p> <p>T</p> <p>m</p> <p>I</p>		InventoryItemms.Created

Field Name	Field Description	Examples	DATA File Field Name	EDRM File Field Name	Related Database Field Name(s)
	<p>the time zone of the exported date will match the "Case Time Zone" set prior to analysis (Case Settings > General tab).</p>	<p>ported): 17:04: 05 ex (EDR M): 2014- 02-</p>	<p>m p o r t e d</p>		

Field Name	Field Description	Examples	DATA File Field Name	EDRM File Field Name	Related Database Field Name(s)
		03T17: 04:05			
ImportSet	Session name specified on the Import tab.	ex: Import Set 001	ex: 2013-		ImportSessions.Label Sources.I

Field Name	Field Description	Examples	DATA File Field Name	EDRM File Field Name	Related Database Field Name(s)
			2-13-001		ImportSessionId
In Re	IntMsgID of the e-mail replied to.	ex: <F9AC0070			Emails.In

Field Name	Field Description	Examples	DATA File Field Name	EDRM File Field Name	Related Database Field Name(s)
ReplyToId		9876F 64091 94372 6669A FC987 5 4D6C A6@r etda2 mbxp 006.le gal.reg n.net>			ReplyToId

Field Name	Field Description	Examples	DATA File Field Name	EDRM File Field Name	Related Database Field Name(s)
Int MsgID	Internet Message ID assigned to an e-mail message by the outgoing mail server.	ex: <BE8445B04466714283760D9A95ED6A731B12E707@RE TDA2 MBXP			Emails.IntMsgID

Field Name	Field Description	Examples	DATA File Field Name	EDRM File Field Name	Related Database Field Name(s)
		002.legal.reg n.net>			
Is All Day Event	Indicates whether the appointment is all-day	0 or No 1 or Yes	Is All Day Event		EmailAppointments.IsAllDayEvent

Field Name	Field Description	Examples	D A T A File Field Name	E D R M File Field Name	Related Database Field Name(s)
			v n t		
Is Archived	Indicates whether the native file was contained with an archive (e.g. 7zip) when imported into the CloudNine™ Explore case.	Possible values: 0 or No=Native	Is Archived		Inventory Items.Parent Cat, Inventory

Field Name	Field Description	Examples	D A T A B A S E F I E L D N A M E	E D R M F I L E F I E L D N A M E	R e l a t e d D a t a b a s e F i e l d N a m e (s)
		file was not contained in an archive when imported	e m		ntor ylte ms.L vl

Field Name	Field Description	Examples	DATA File Field Name	EDRM File Field Name	Related Database Field Name(s)
		1 or Yes=Native file was contained in an archive when			

Field Name	Field Description	Examples	D A T F i l e F i e l d N a m e	E D R M F i l e F i e l d N a m e	Related Database Field Name(s)
		import ed			
Is Attachment	Indicates whether a record is an attachment record or not.	Possible values: 0 or No=Is not an			InventoryItems.FamilyPid

Field Name	Field Description	Examples	DATA File Field Name	EDRM File Field Name	Related Database Field Name(s)
		attachment 1 or Yes=Is an attachment			Inventor ylte ms.L vl
Is Co	Indicates whether the native is a	Possible			Inventor

Field Name	Field Description	Examples	DATA File Field Name	EDRM File Field Name	Related Database Field Name(s)
Compound	"compound document" (contains embedded files).	values: 0 or No=Not a compound document 1 or Yes=Is			ylte.ms.ls Compound

Field Name	Field Description	Examples	DAT File Field Name	EDRM File Field Name	Related Database Field Name(s)
		a compound document			
Is Compound	Indicates whether the native file was embedded in another file prior to import.	Possible values:	Is Compound	Is Compound	Inventor ylte ms.Is Com

Field Name	Field Description	Examples	D A T A File Field Name	E D R M File Field Name	Related Database Field Name(s)
dChild		0 or No=W as not embedded within a document 1 or Yes=	pChild	dChild	poundChild

Field Name	Field Description	Examples	DATA File Field Name	EDRM File Field Name	Related Database Field Name(s)
		Was embedded in a document prior to import			

Field Name	Field Description	Examples	DATA File Field Name	EDRM File Field Name	Related Database Field Name(s)
Is Duplicate	Indicates if the record is a duplicate of another record in the case.	Possible values: 0 or No=Original file (duplicates of this record)			Inventory Items.Duplicate

Field Name	Field Description	Examples	DATA File Field Name	EDRM File Field Name	Related Database Field Name(s)
		exist in the case) OR file is not in a duplicate relationship			

Field Name	Field Description	Examples	DATA File Field Name	EDRM File Field Name	Related Database Field Name(s)
		1 or Yes=Duplicate of another file in the case			
IsEm	Indicates whether the native file was	Possible			Inventor

Field Name	Field Description	Examples	DATA File Field Name	EDRM File Field Name	Related Database Field Name(s)
ail	recognized as an email message during import.	values: 0 or No=Native file was not recognized as an email			ylte ms.Parent Cat, Inventor ylte ms.Lvl

Field Name	Field Description	Examples	D A T A File Field Name	E D R M File Field Name	Related Database Field Name(s)
		when imported 1 or Yes=Native file was recognized as an			

Field Name	Field Description	Examples	DATA File Field Name	EDRM File Field Name	Related Database Field Name(s)
		email when imported			
IsEmail Attach	Indicates whether the native file was recognized as an email attachment during import.	Possible values: 0 or No=N	IsEmail		Inventory.ms.Parent Cat,

Field Name	Field Description	Examples	DAT File Field Name	EDRM File Field Name	Related Database Field Name(s)
ment		ative file was not recognized as an email attachment when	Att		InventoryItems.Lvl

Field Name	Field Description	Examples	DATA File Field Name	EDRM File Field Name	Related Database Field Name(s)
		imported 1 or Yes=Native file was recognized as an email			

Field Name	Field Description	Examples	DATA File Field Name	EDRM File Field Name	Related Database Field Name(s)
		attachment when imported			
IsPrivate	Flag indicating if the message is marked as being private	0 or No 1 or Yes			Emails.IsPrivate

Field Name	Field Description	Examples	DATA File Field Name	EDRM File Field Name	Related Database Field Name(s)
Is Recurring	Flag indicating whether the appointment is recurring	0 or No 1 or Yes			EmailAppointments.IsRecurring
Journal	Type of journal entry (i.e. note, phone call, task, etc.)	Phone Call			EmailJournals.

Field Name	Field Description	Examples	DATA File Field Name	EDRM File Field Name	Related Database Field Name(s)
Type		Note Task Response			JournalType
JournalType	Long description of JournalType		JournalT		EmailJournals. JournalT

Field Name	Field Description	Examples	DATA File Field Name	EDRM File Field Name	Related Database Field Name(s)
Description			ypeDescription		ypeDescription
Keyw	Keywords extracted from the metadata of the native file.	ex: E-Discovery		#Keyw	EDocuments.D

Field Name	Field Description	Examples	DATA File Field Name	EDRM File Field Name	Related Database Field Name(s)
ords				ords	ockKeywords
Label	The color label of the item (Outlook category)				Emails.Label
Lang	Semi-colon-delimited list of	ex: Englis			Inventor

Field Name	Field Description	Examples	DATA File Field Name	EDRM File Field Name	Related Database Field Name(s)
Languages	languages found in the native file.	h;Chinese_Simplified			yltemslanguages
Last Author	User who last saved or revised the document.	ex: John Smith			EDocuments.DocLastAuthor

Field Name	Field Description	Examples	DATA File Field Name	EDRM File Field Name	Related Database Field Name(s)
Last Mod	Last modified date and time extracted from the metadata of the native file during analysis. In version 1.6 or later, the time zone of the exported date will match the "Case Time Zone" set prior to analysis (Case	ex (LastMod): 20140312 ex (TmLastMod):	LastMod TmLast	# Date Modified	EDocuments.DocLastMod

Field Name	Field Description	Examples	DATA File Field Name	EDRM File Field Name	Related Database Field Name(s)
	<p>Settings > General tab).</p> <p>If the LastMod date metadata is not available, this field will be populated with date information from the parent hierarchy or the file system if no parent exists.</p>	<p>22:14:46</p> <p>ex (EDRM):</p> <p>2014-03-12T22:14:46</p>	<p>s t M o d</p>		

Field Name	Field Description	Examples	DAT File Field Name	EDRM File Field Name	Related Database Field Name(s)
Last Print	Date and time the document was last printed. In version 1.6 or later, the time zone of the exported date will match the "Case Time Zone" set prior to analysis (Case Settings > General tab).	ex (LastPrint): 20140312 ex (TmLastPrint):	LastPrint Tm	# Date Printed	EDocuments.DocLastPrint

Field Name	Field Description	Examples	DATA File Field Name	EDRM File Field Name	Related Database Field Name(s)
		22:14:46 ex (EDRM): 2014-03-12T22:14:46	Last Print		

Field Name	Field Description	Examples	D A T F i l e F i e l d N a m e	E D R M F i l e F i e l d N a m e	Related Database Field Name(s)
Level (Document)	A numeric representation of the depth of the document within its container. For example, a PST file might be level 0, an email in the PST level 1, an attachment of an email in the PST level 2, etc.	0			[InventoryItems]. [Lvl]

Field Name	Field Description	Examples	DATA File Field Name	EDRM File Field Name	Related Database Field Name(s)
Level (Email Threading)	Indicates the indent level of the email message in relation to the first email in the email thread associated with the email message.	Possible values: 0=First email in the email thread 1=Replies to	ET - Indent	ET_Indent	Calculated by counting the number of periods in the

Field Name	Field Description	Examples	DAT File Field Name	EDRM File Field Name	Related Database Field Name(s)
		first email 2=Replies to replies to first email 3=Replies to replies			ET_T hrea dInd ex field valu e.

Field Name	Field Description	Examples	D A T A File Field Name	E D R M File Field Name	Related Database Field Name(s)
		to replies to first email... and so on.			
Location	Contents of the Location metadata field extracted during analysis.	ex: John's office			Emails.Location

Field Name	Field Description	Examples	DAT File Field Name	EDRM File Field Name	Related Database Field Name(s)
Manager Name	Manager name for contact				EmailContacts. Manager Name
Md5	MD5 hash value of the native file.	ex: C20B8 B8A3E			Inventorylte

Field Name	Field Description	Examples	DATA File Field Name	EDRM File Field Name	Related Database Field Name(s)
Hash		CF856 9B1D1 DFF93 A18D 13F			ms. Md5 Hash
MeetingS	Status of the meeting	NotDefined Received	Meeting		EmailAppointments.Me

Field Name	Field Description	Examples	DATA File Field Name	EDRM File Field Name	Related Database Field Name(s)
status		Update Invitation	gS t a t s		eting Statu s
MimeT	Information about the content of the file extracted from the header of emails	exs:			Inve ntor ylte ms.

Field Name	Field Description	Examples	DATA File Field Name	EDRM File Field Name	Related Database Field Name(s)
Type	(with the exception of MS Outlook items) and e-documents. Not all e-documents contain this information.	application/pdf text/plain message/rfc822			MimeType

Field Name	Field Description	Examples	DATA File Field Name	EDRM File Field Name	Related Database Field Name(s)
MsgClass	Indicates the item / entry type in the mail store.	ex: IPM.Note		# MessageClass	Emails.MsgClass
ND_	Indicates whether the document is the	Y=Yes	ND	ND_	Generated

Field Name	Field Description	Examples	DAT File Field Name	EDRM File Field Name	Related Database Field Name(s)
Is Master	<p>master document.</p> <p>Within a family, the master document is the one with the greatest overall similarity to all the other documents in the family. It has to be a near-duplicate of every other</p>	N=No	- Is Master	Is Master	at time of export

Field Name	Field Description	Examples	DAT File Field Name	EDRM File Field Name	Related Database Field Name(s)
	<p>document in the family.</p> <p>Note: Documents that are not part of a near-duplicate family will also have a Y (Yes) value in the field.</p> <p>Note: If a master document in a set of</p>				

Field Name	Field Description	Examples	DAT File Field Name	EDRM File Field Name	Related Database Field Name(s)
	<p>near-duplicate documents is deleted, all documents assigned to the near-duplicate set are released, and will be reassigned the next time the near-duplicate analysis process runs.</p>				

Field Name	Field Description	Examples	D A T A F i l e F i e l d N a m e	E D R M F i l e F i e l d N a m e	R e l a t e d D a t a b a s e F i e l d N a m e (s)
N D_ M a s t e r	CloudNine™ Explore ID of the master of the document's near-duplicate family.	ex: 4	N D _ M a s t e r	N D_ M a s t e r	Gene rated at time of expo rt

Field Name	Field Description	Examples	DAT File Field Name	EDRM File Field Name	Related Database Field Name(s)
ND_Score	<p>Displays the percentage of similarity between the document and its master document.</p> <p>Within a family, the master document is the one with the greatest overall similarity to all the</p>	ex: 85, 100	ND_Score	ND_Score	Generated at time of export

Field Name	Field Description	Examples	D A T A File Field Name	E D R M File Field Name	Related Database Field Name(s)
	other documents in the family. It has to be a near-duplicate of every other document in the family.				
Optional	Contents of the Optional recipient list extracted during analysis.	ex: lawsupport@Clou			Emails.Optional

Field Name	Field Description	Examples	DATA File Field Name	EDRM File Field Name	Related Database Field Name(s)
		dNine.com			
Organization	Organization or Company value retrieved from the metadata properties of the document.	ex: Cloud Nine		#Company	EDocuments.DocOrganization

Field Name	Field Description	Examples	D A T A F i l e F i e l d N a m e	E D R M F i l e F i e l d N a m e	Related Database Field Name(s)
Organizer	Contents of the Organizer metadata field extracted during analysis.	ex: Smith, John M. (LNG-RDU)			Emails.Organizer
Owner	Person who is assigned the task				EmailTasks.Owner

Field Name	Field Description	Examples	DATA File Field Name	EDRM File Field Name	Related Database Field Name(s)
Parent Document GUID	Unique identifier for a parent document. This value is determined during an export.				

Field Name	Field Description	Examples	DAT File Field Name	EDRM File Field Name	Related Database Field Name(s)
Parent Export Number	Export number of the (top-level) parent document. Applied to all members of the family.	ex: A0001			Generated at time of export

Field Name	Field Description	Examples	DATA File Field Name	EDRM File Field Name	Related Database Field Name(s)
ParentID	The immediate parent of the current email in the thread. For the first message, this will be blank. For each subsequent one, it will be the Edald / InventoryItems.ID (padded with zeroes to make eight characters) of the	ex: 00000 013			Threading.ThreadIndex

Field Name	Field Description	Examples	DATA File Field Name	EDRM File Field Name	Related Database Field Name(s)
	email which it replies to or is a forward of. For attachments, ET_ParentID indicates the email to which it is attached.				
Pass	Lists the password used to decrypt the	ex: TopSe			Inventor

Field Name	Field Description	Examples	DAT File Field Name	EDRM File Field Name	Related Database Field Name(s)
word	file during the import.	cretPw d			ylte ms.P assw ord
Read Receipt	Indicates whether the option to request a delivery receipt was enabled in the email message.	Possible values (DAT):			Emails.ReadReceipt

Field Name	Field Description	Examples	DATA File Field Name	EDRM File Field Name	Related Database Field Name(s)
		0=No receipt requested or non-mail item 1=Read receipt			

Field Name	Field Description	Examples	DATA File Field Name	EDRM File Field Name	Related Database Field Name(s)
		requested Possible values (EDRM): No=No receipt			

Field Name	Field Description	Examples	DATA File Field Name	EDRM File Field Name	Related Database Field Name(s)
		requested or non-mail item Yes=Read receipt requested			

Field Name	Field Description	Examples	DAT File Field Name	EDRM File Field Name	Related Database Field Name(s)
Received	Date and time the email message was received. In version 1.6 or later, the time zone of the exported date will match the "Case Time Zone" set prior to analysis (Case Settings > General tab).	ex (DAT) (Received): 20140122 ex (DAT) (TmRe)	Received TmR	# Date Received	Emails.Received

Field Name	Field Description	Examples	DAT File Field Name	EDRM File Field Name	Related Database Field Name(s)
		ceived): 22:37: 35 ex (EDR M): 2014- 01-	e c e i v e d		

Field Name	Field Description	Examples	DATA File Field Name	EDRM File Field Name	Related Database Field Name(s)
		22T22:37:35			
Recurrence Pattern	Description of the recurrence pattern for the meeting	every Monday from 11:00 AM to 11:30 AM	Recurrence Pattern		EmailAppointments.RecurrencePattern

Field Name	Field Description	Examples	DATA File Field Name	EDRM File Field Name	Related Database Field Name(s)
			t t r n		atter n
Re cu rre nc eT	Frequency of the meeting recurrence	None Weekl y	R e c u r r		Emai lApp oint ment s.Rec urre

Field Name	Field Description	Examples	DATA File Field Name	EDRM File Field Name	Related Database Field Name(s)
Type		Monthly	Type		IncentiveType
Required	Contents of the Required recipient list extracted during analysis.	ex: LitigationSalesGroup@ReedElse			EmailsRequired

Field Name	Field Description	Examples	DATA File Field Name	EDRM File Field Name	Related Database Field Name(s)
		vier.com			
Resources	List of resources for the appointment (i.e. conference rooms)	Conference Room 186			EmailAppointments.Resources

Field Name	Field Description	Examples	DATA File Field Name	EDRM File Field Name	Related Database Field Name(s)
Revision	Revision number of the document found in the file system properties.	ex: 2			EDocuments.DocRevision
Sensitivity	Value of the Sensitivity flag contained in the email message.	ex: Personal			Emails.Sensitivity

Field Name	Field Description	Examples	DAT File Field Name	EDRM File Field Name	Related Database Field Name(s)
Sent	Sent date and time of the email message. In version 1.6 or later, the time zone of the exported date will match the "Case Time Zone" set prior to analysis (Case Settings > General tab).	ex (DAT) (Sent): 20140122 ex (DAT) (TmSent):	Sent TmSent	# Date Sent	Emails.Sent

Field Name	Field Description	Examples	DATA File Field Name	EDRM File Field Name	Related Database Field Name(s)
		22:37:35 ex (EDRM): 2014-01-22T22:37:35			

Field Name	Field Description	Examples	DAT File Field Name	EDRM File Field Name	Related Database Field Name(s)
Session	Session name specified on the Import tab.	ex: 2013- 2-13- 001			ImportSessions.Label Sources.ImportSessionsId

Field Name	Field Description	Examples	DAT File Field Name	EDRM File Field Name	Related Database Field Name(s)
Sha1 Hash	SHA-1 hash value of the native file.	ex: 9D497 3C1BB 42BE7 22715 479A D3418 50DB9 95A5F E			Inventor ylte ms.Sha1 Hash

Field Name	Field Description	Examples	DATA File Field Name	EDRM File Field Name	Related Database Field Name(s)
Size	Size of the native file in bytes.	ex: 107194		#File Size	InventoryItemSize
Source	Folder containing the source file. For items from a mail store, this field lists the name of the	ex: ArchiveFolder01			SourceName

Field Name	Field Description	Examples	DATA File Field Name	EDRM File Field Name	Related Database Field Name(s)
	folder containing the mail store file itself.				Inventor ylte ms.S ourc eld
Source Do	The unique identifier (Id) of the top-level document in the parent-child				[Inventor ylte ms].

Field Name	Field Description	Examples	D A T A F i l e F i e l d N a m e	E D R M F i l e F i e l d N a m e	Related Database Field Name(s)
cumentID	relationship hierarchy, e.g. parent doc or mail store.				[InventoryPid]
Source Document	The GUID of the top-level document in the parent-child relationship hierarchy, e.g. parent doc or mail store.	6686B1C4-4CC6-47B3-9CCF-A2DA			[InventoryItems]. [GUID]

Field Name	Field Description	Examples	DATA File Field Name	EDRM File Field Name	Related Database Field Name(s)
entGuid		B1EE432C			
Source File	Full path to the original file. If the file is in a container, the full path to the top-most container is returned.	ex: C:\Demo Set\Msg.pst			Directories, Inventory

Field Name	Field Description	Examples	D A T A File Field Name	E D R M File Field Name	Related Database Field Name(s)
					ms.FileName
Subject	Subject field value extracted from metadata of native file. Note: Email messages subjects	ex: Cloud Nine™ LAW Benefits		#Subject	EDocuments.DocSubject

Field Name	Field Description	Examples	DATA File Field Name	EDRM File Field Name	Related Database Field Name(s)
	are exported to the EmailSubject field.				
Subject Prefix	Optional prefix for the message subject	FW: RE: Updated:	Subject Prefix		Emails.Subject Prefix

Field Name	Field Description	Examples	D A T A File Field Name	E D R M File Field Name	Related Database Field Name(s)
		Cancelled:	fix		
Tags	Semi-colon-delimited list of tag names associated with the document	ex: Responsive			InventoryItems.Tags

Field Name	Field Description	Examples	DATA File Field Name	EDRM File Field Name	Related Database Field Name(s)
Task Status	Status of the task	Complete InProgress NotStarted			EmailTasks.Status
Tem	Template field value extracted from the	ex: Norm			EDocument

Field Name	Field Description	Examples	D A T F i l e F i e l d N a m e	E D R M F i l e F i e l d N a m e	Related Database Field Name(s)
plate	metadata of the native file during analysis.	al.dotm			nts.DocTemplate
Text	The text of the document extracted during Analysis or OCR. If the text is stored on disk (see IsTextStoredOnDisk),	Testing Text File			ContentItems.Content

Field Name	Field Description	Examples	D A T A File Field Name	E D R M File Field Name	Related Database Field Name(s)
	then this value will be null.				
Text Size	Size of the extracted or OCR text in bytes.	ex: 6128			ContentItems.ContentSize

Field Name	Field Description	Examples	DATA File Field Name	EDRM File Field Name	Related Database Field Name(s)
Text Source	Indicates the type of text, if any, associated with the record in CloudNine™ Explore (regardless of whether the text was included for export).	Possible values: 0=Extracted OR file does not have associated			Contentltems. Source

Field Name	Field Description	Examples	DATA File Field Name	EDRM File Field Name	Related Database Field Name(s)
		text content 1=OCR			
Title	Title field value extracted from the metadata of the native file.	ex: Cloud Nine™ Explorer		#Title	EDocuments.D

Field Name	Field Description	Examples	DATA File Field Name	EDRM File Field Name	Related Database Field Name(s)
		e Manual			ocTitle
To	Main recipient(s) of the email message.	ex: Smith, Jane (LNG-HBE) <jane.smith		#To	Emails.To

Field Name	Field Description	Examples	DATA File Field Name	EDRM File Field Name	Related Database Field Name(s)
		@CloudNine.com>			
UId	Formatted ID comprised of the following: <Sessions.Id> - <Sources.Id> - <InventoryPid.Attachment	ex: 15-3-1.2			InventoryItems.Uid

Field Name	Field Description	Examples	DATA File Field Name	EDRM File Field Name	Related Database Field Name(s)
Un Read	Indicates whether the email was marked read/unread.	Possible values (DAT): 0=Email was "Read" or non-mail item		#ReadFlag	Emails.Un Read

Field Name	Field Description	Examples	D A T A File Field Name	E D R M File Field Name	Related Database Field Name(s)
		<p>1=Email was marked as "Unread"</p> <p>Possible values (EDRM):</p>			

Field Name	Field Description	Examples	DATA File Field Name	EDRM File Field Name	Related Database Field Name(s)
		No=Email was marked as "Unread" Yes=Email was marke			

Field Name	Field Description	Examples	DAT File Field Name	EDRM File Field Name	Related Database Field Name(s)
		d as "Read"			
Un Sent	Indicates whether the email was sent for emails within a mail store.	Possible values (DAT): 0=Email was sent			Emails.Un Sent

Field Name	Field Description	Examples	DATA File Field Name	EDRM File Field Name	Related Database Field Name(s)
		or non-mail item 1=Email was not sent Possible			

Field Name	Field Description	Examples	DATA File Field Name	EDRM File Field Name	Related Database Field Name(s)
		values (EDRM): No=Email was sent Yes=Email was			

Field Name	Field Description	Examples	DATA File Field Name	EDRM File Field Name	Related Database Field Name(s)
		not sent			
Virtual Path	For documents extracted from a Microsoft Outlook or Lotus Notes mail store, archive, or forensic image container file, the path of the	ex: Inbox\Follow Up	Content in P	Container Path	InventoryItemCompositeName

Field Name	Field Description	Examples	DATA File Field Name	EDRM File Field Name	Related Database Field Name(s)
	<p>document as it exists in its immediate parent container file.</p> <p>For example, if there is a .pst file containing the folder structure Inbox\ProjectA\email.msg, the ContainerPath value</p>		ath		

Field Name	Field Description	Examples	DATA File Field Name	EDRM File Field Name	Related Database Field Name(s)
	for the email.msg file would be: Inbox\ProjectA				

Explore Indexed Field Descriptions

The following table provides reference information for all indexed Explore fields.

Indexed Field Name	Indexed Field Description	Type	Examples
BCC	Recipient(s) of "Blind Carbon Copies" of the email message	string	
CC	Recipient(s) of "Carbon Copies" of the email message	string	
ContainerPath	Path of the document as it exists in its container file	string	Inbox\Follow Up
ContentSize	Size of the extracted or OCR text content in bytes	numeric	

Custodian	Custodian name	string	
DateLowerBound	Earliest date of the family members used for date filtering	DateTime	
DateUpperBound	Latest date of the family members used for date filtering	DateTime	
Directory	Path to the original folder/location of the source file. For Items that originated in a mail store, the Directory will list the path to the mail store	string	
DocApplicationName	The application used to created the	string	

	document metadata if available		
DocAuthor	Document author metadata if available	string	
DocCategory	Document category metadata if available	string	
DocComments	Document comments metadata if available	string	
DocCreated	Date document was created metadata if available	DateTime	
DocKeywords	Document keywords metadata if available	string	

DocLastAuth or	Last person who updated the document metadata if available	string	
DocLastMod	Date the document was last modified metadata if available	DateTime	
DocLastPrint	Date the document was last printed metadata if available	DateTime	
DocOrganiza tion	Document organization or company metadata if available	string	
DocSubject	Document subject metadata if available	string	

DocTitle	Document title metadata if available	string	
Filename	Native File name for edocs or email file name derived from email subject	string	Syllabus Design.doc Status update.pdf SmartPlanet Newsletter June 6, 2000.msg Accepted Law Enforcement Day 2013 (LEO Day).Ind
FileType	File type description	string	MS Word 2007-2010 Document (Open XML) Adobe Portable Document Format v1.6 Compressed Data (Headerless) MS Publisher Document MS Outlook Express Email Message

			Netscape Email Message
From	Sender email address	string	
FromDomain	Domain portion (only) of the sender's email address	string	gmail.com
FsCreated	Created file system date	DateTime	
FsLastMod	Last modified file system date	DateTime	
ImportSession	Import session name	string	2021-02-12-001
InventoryId	Unique value for each record in a case	numeric	1

IsCompound	Indicates whether the native is a "compound document" (contains embedded docs)	numeric	1 or 0
IsCompound Child	Indicates whether the document was embedded in another document	numeric	1 or 0
Languages	Semi-colon-delimited list of languages found in the item	string	English;Latin
MessageClasses	Sender-defined message class that indicates the item/entry type	string	IPM.NOTE IPM.STICKYNOTE Memo Mailrule IPM.ACTIVITY IPM.NOTESMIME Notice,Meeting IPM.CONTACT

			T IPM.APPOINTMENT Appointment, Reminder IPM.TASK IPM.DISTLIST RichTextForm (ReplyNotice) Appointment, Meeting Appointment, Appointment Appointment, All Day Event
MessageHeaders	Contents of the header extracted from the email message	string	X-Sender: sally@bar.com X- Receiver: harry@bar.com MIME- Version: 1.0 From: sally@bar.com To: harry@bar.com Date: 16 Mar 2013 12:51:14 - 0800 Subject: My

			test message 45 Content-Type: text/plain; charset="us-ascii" Content-Transfer-Encoding: quoted-printable
Sent	Sent date and time of the email message	DateTime	
Size	Size of expanded item during analysis in bytes	numeric	
Source	Source name	string	
Subject	Subject line from the email message	string	
To	Main recipient(s)	string	

	of the email message		
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Unicode Support

The general requirements and supported functionality for Unicode are listed as follows:

- CloudNine™ LAW versions 5.2 and higher support the Unicode® Standard.
- Proper language packs must be installed for the associated Unicode characters to render correctly.
- To print Unicode text files, use either Microsoft Word or the Shell Printer as the source application. The Text/RTF Printer can print RTF with Unicode, however it cannot print Unicode text files.
- If using the Shell Printer, you must ensure that the application registered on the system for text files supports shell prints. For example, Notepad supports shell prints.
- The ExperVision and TextBridge OCR engines do not currently support Unicode.
- Supported languages for OCR can be found in the **Language** drop-down list located in the **OCR** tab in **Tools -> Options**.
- Printed and extracted text will contain Unicode data if it exists in the original file and can be displayed, provided the proper language pack(s) are installed on the system.

To View Unicode in a Grid

- In a grid view, rest the mouse pointer over a cell that contains Unicode characters.
- The text appears in a pop-up text box.

Unicode in Names for Files, Cases, and Fields

- Files with Unicode file names or residing in a Unicode path may be imported using the ED Loader. These Unicode paths can be retained and displayed in the main folder view and any other applicable folder view in the application. Unicode existing in the metadata will be retained and can be displayed in the Index display.
- Unicode is not supported in case names. While the rest of the case path can contain Unicode, it is recommended the case paths do not contain Unicode characters to avoid potential issues with 3rd party applications.
- Index field names cannot contain Unicode characters.

Exporting Unicode Data

Unicode data can be sent to the export file when exporting field data from a grid.

- In the **Save Results As** dialog box, in the **Save as type** list, select **Unicode Text (Tab delimited)(*.csv)**.

Exporting Unicode

Export Formats

Unicode data is supported in the Export Utility in the following export formats:

- **CaseLogistix** - Unicode is automatically included if present in the exported data.
- **Delimited Text** - Unicode data will be included only if the **Allow Unicode data (UCS-2 format)** option is enabled in this format's configuration settings.
- **EDRM XML 1.0** - Unicode is automatically included if present in the exported data.
- **EDRM XML 2.0** - Unicode is automatically included if present in the exported data.
- **Concordance Direct DCB** - Unicode data will be included only if CloudNine Concordance 10 or above is installed on the computer and **Create Concordance 10.0 database** (supports Unicode is enabled in the configuration settings for that format).
- **Concordance** - Unicode data will be included only if **Allow Unicode data (UCS-2 format)** is enabled in this format's configuration settings.

Export Utility Restrictions

When using the Export Utility, if you export to a format that does not support Unicode characters:

- Do not use the **Mirror Original** folder naming scheme if Unicode folders exist in the case.
- Ensure the export path does not contain Unicode characters. Unicode paths and file names may prevent the target applications from opening associated images, text, or native files.

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