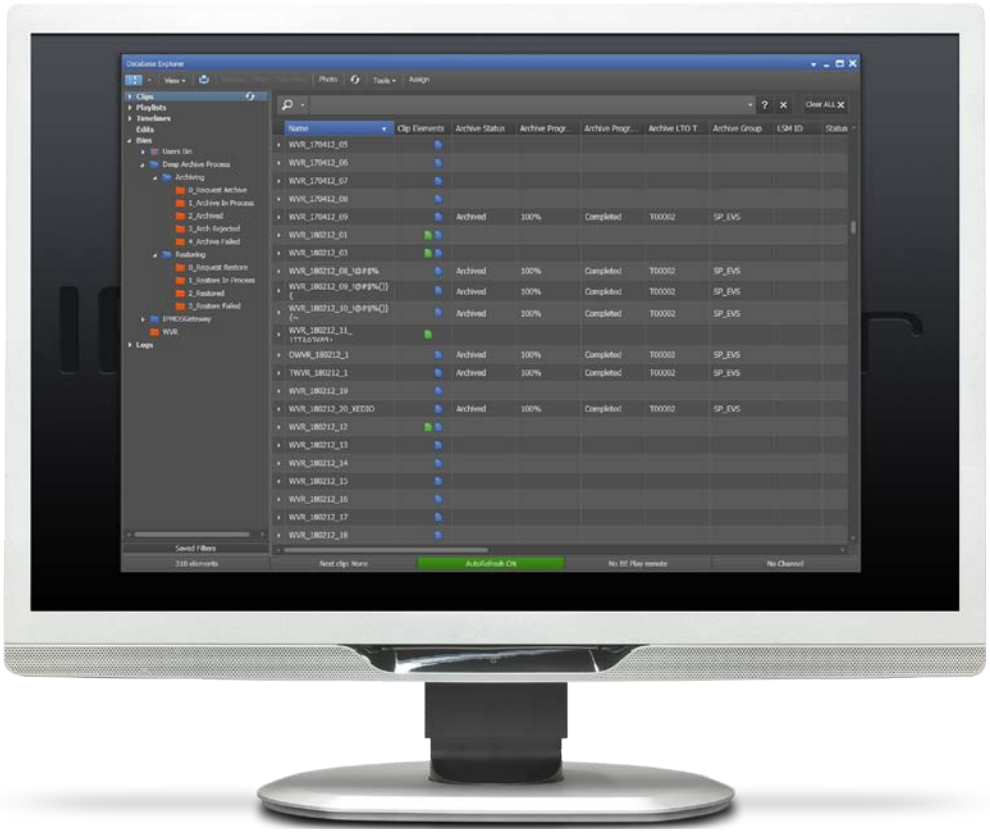
USER MANUAL
Deep Archive Sync

Version 1.4 - July 2013



IP2Archive

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Improvement Requests

Your comments will help us improve the quality of the user documentation. Do not hesitate to send improvement requests, or report any error or inaccuracy on this user manual by e-mail to doc@evs.com.

Regional Contacts

The address and phone number of the EVS headquarters are usually mentioned in the Help > About menu in the user interface.

You will find the full list of addresses and phone numbers of local offices either at the end of this user manual (for manuals on hardware products) or at the following page on the EVS website: http://www.evs.com/contacts.

User Manuals on EVS Website

The latest version of the user manual, if any, and other user manuals on EVS products can be found on the EVS download center, on the following webpage: http://www.evs.com/downloadcenter.

Table of Contents

What's New

In the Deep Archive Sync user manual the icon 

has been added on the left margin to highlight information on new and updated features.

The changes linked to new features in version 1.4.6.0 are listed below.

Online help is now available.

An option has been added to set the maximum number of clips retrieved from IPDirector.

- See section "MAD Tab" on page 51.

A Date field has been added to the search fields.

- See section "Search Criteria" on page 22.

An advanced search setting has been added.

- See section "IPDirector API Tab" on page 58.

Columns can be reordered, hidden, added and removed.

See section "Manipulating Grid Columns" on page 38.

1. About the Application

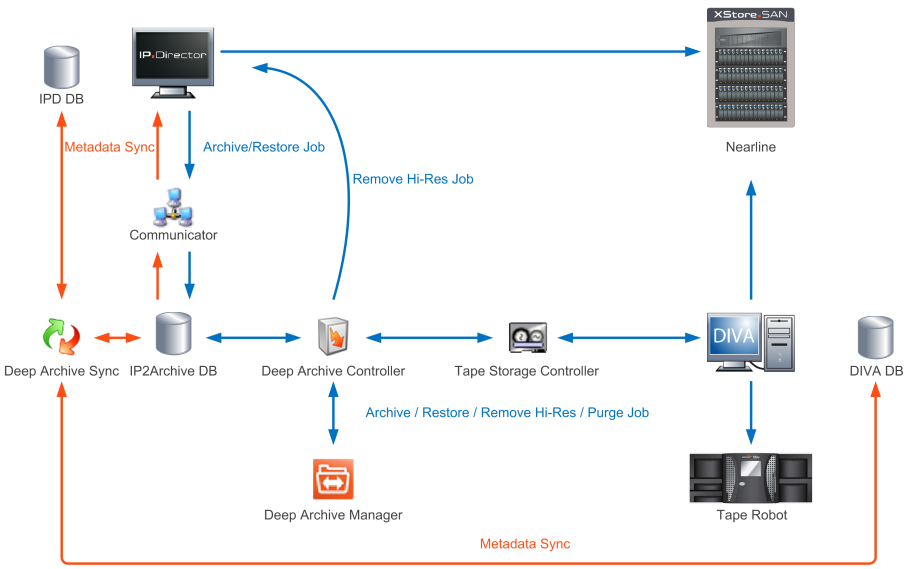
General Description

IP2Archive Deep Archive Sync is an application which allows an administrator to compare the archive metadata of clips in the IP2Archive database with the clip archive metadata in the IPDirector or DIVArchive database. It will highlight the differences (if any) and allow the administrator to synchronize the databases.

In case the IPDirector database contains clips with archive metadata that are not known in the IP2Archive database, it will allow the user to remove this archive metadata from the IPDirector database. It sometimes happens that a new clip is created starting from another clip (for example when creating a subclip). In this case, the metadata fields of the new clip will be copied from the original clip. Since the Archive Process fields are also metadata fields, they may contain incorrect data now. In particular, it happens a lot that clips are marked as 'archived' while in fact they are not.

Workflow

The diagram below shows the interactions between IPDirector and the various IP2Archive software components, and between the various IP2Archive software components and the HSM system. When IP2Archive interfaces with XenData's Digital Archive, Tape Storage Controller is replaced by File Transfer Daemon. In setups without DIVArchive as HSM, no synchronization is possible between the IP2Archive database and the HSM database.



2. About Clip Archive Metadata

In IPDirector archive metadata is added to clips by means of specific user fields. They allow a user to monitor the archive progress and status of each clip. The following user fields have been defined in IPDirector:

- Archive Status
- Archive Progress
- Archive Progress Message
- Archive LTO Tape
- Archive Group
- Archive Date

Deep Archive Sync will check the values in these fields for each clip in the IP2Archive database and compare them with the values in the IPDirector database and in the DIVA database.

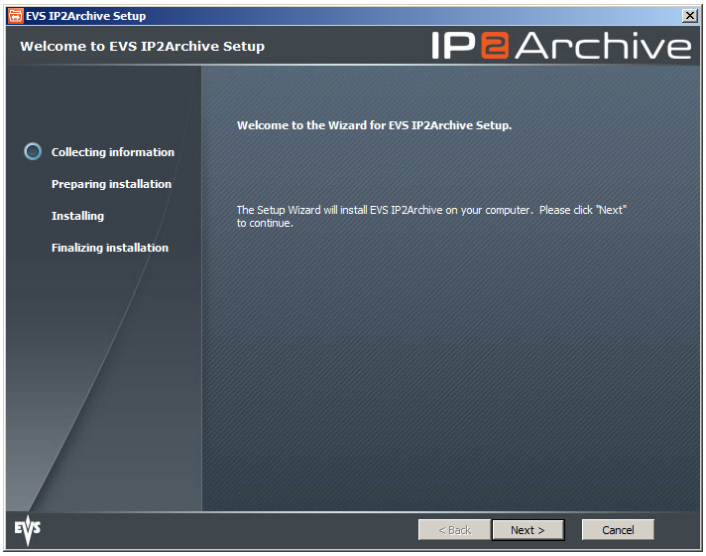
3. Installing the Application

3.1. How to Install the Application

To install the application, proceed as follows:

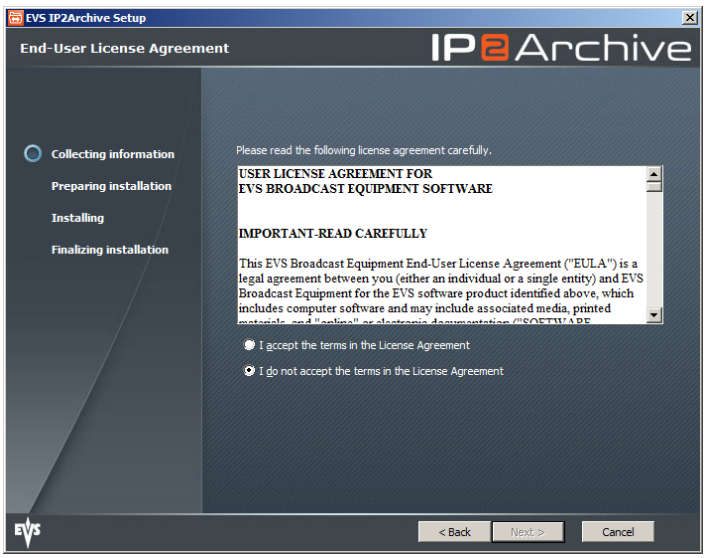
1. Double-click the `IP2Archive.exe` to launch the IP2Archive Setup Wizard.

   The Welcome screen appears.



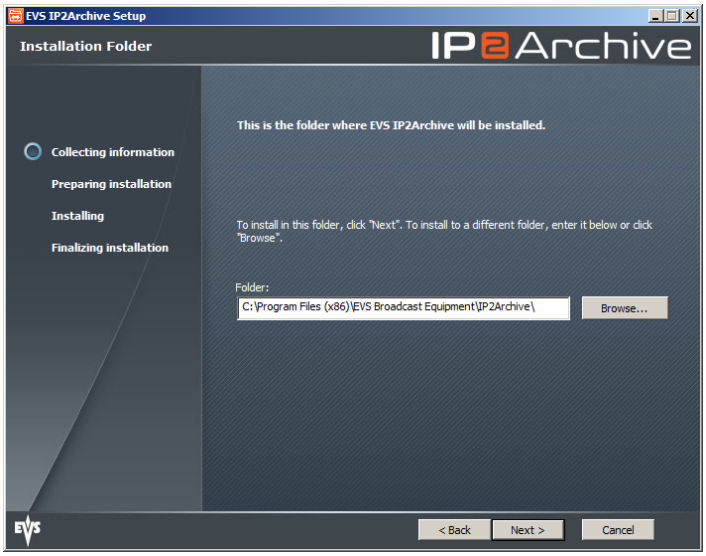
2. Click **Next** to continue.

   The End-User License Agreement screen appears.



3. Read the license agreement on using IP2Archive in your country. Accept the agreement and click **Next** to continue.

   The Installation Folder screen appears.



4. Select the folder where the application has to be installed and click **Next** to continue.

   By default, the IP2Archive applications will be installed in the following folder: `C:\Program Files\EVS Broadcast Equipment\IP2Archive\`(for 32-bit machines) or `C:\Program Files (x86)\EVS Broadcast Equipment\IP2Archive\` (for 64-bit machines).

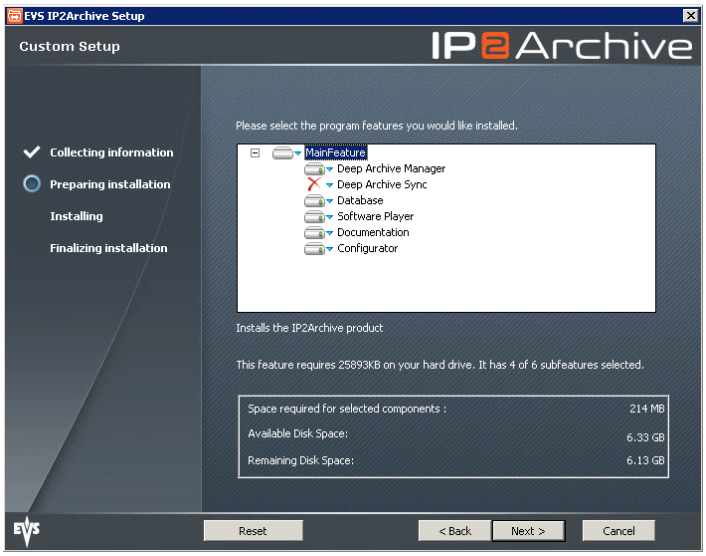
   The Setup Type screen appears.

5. Choose a setup type and click **Next** to continue.

   You can choose one of the following setup types:

   - **Complete**: Installs all IP2Archive applications. Continue to step 7.
   - **Typical**: Installs the most common IP2Archive applications, i.e. the database client software, the Deep Archive Manager, Configurator and the EVS Software Player. Continue to step 7. By default, this installation type is selected.
   - **Custom**: Allows you to select the IP2Archive applications that have to be installed. The Custom Setup screen appears. Continue to step 6.

6. In the Custom Setup screen, select the applications that you want to install, and then click **Next** to continue.



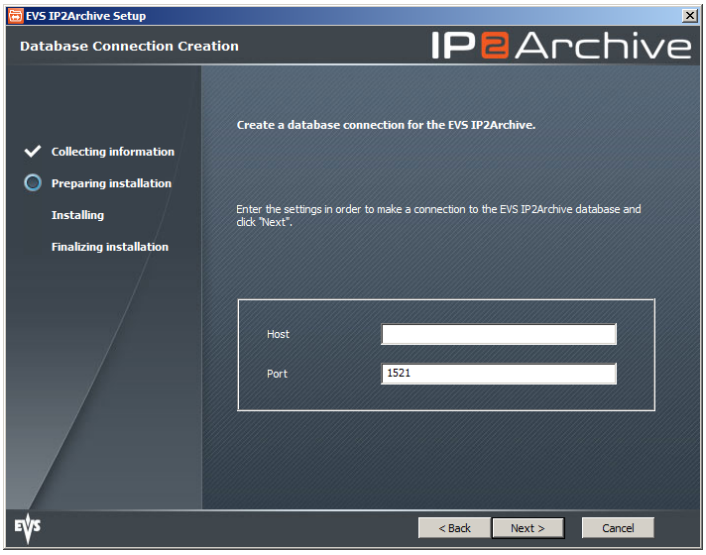
The Custom Setup screen shows a tree view of the IP2Archive applications that you can install. By default, Deep Archive Manager, the database client software, the EVS Software Player, the IP2Archive documentation and Configurator are selected. When you click a feature or subfeature, a description of the feature will be displayed and also the disk space requirements.

To add or remove a feature, click the arrow next to the feature name, and then choose one of the following options from the drop-down list:

- **Will be installed on local hard drive**: Installs the selected feature in the location shown under Installation Folder.
- **Entire feature will be installed on local hard disk**: Installs the selected feature and all subfeatures.
- **Feature will be installed when required**:The feature will be installed when you perform an action that requires it.
- **Entire feature will be unavailable**: For a new installation of IP2Archive, this option passes over the installation of the selected feature. For an existing installation, this option removes the feature from the installation. After you select this option, a red X appears on the feature tree next to the feature name.This option cannot be selected for the database client software, the EVS Software Player and the IP2Archive documentation.

Click the **Reset** button to undo your selection.

7. Do one of the following:
   - If no database client software has been installed yet, the Database Connection Creation screen appears.

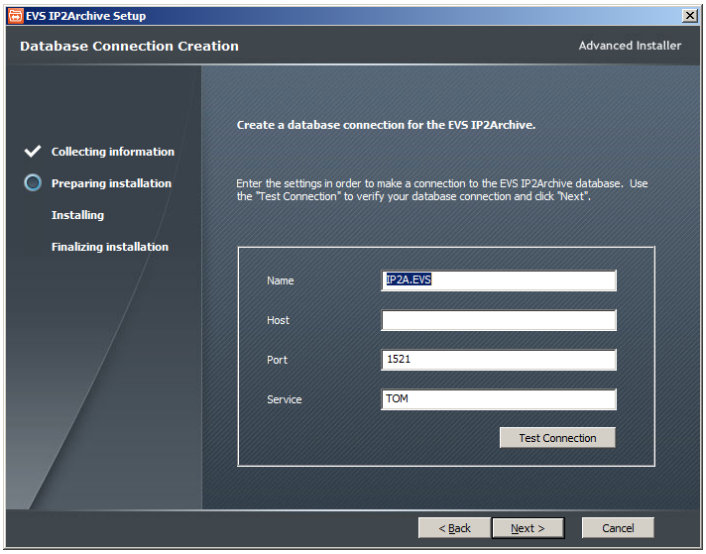


Enter the IP address of the database server. The default port number, i.e. 1521, has already been entered. Click **Next** to continue.

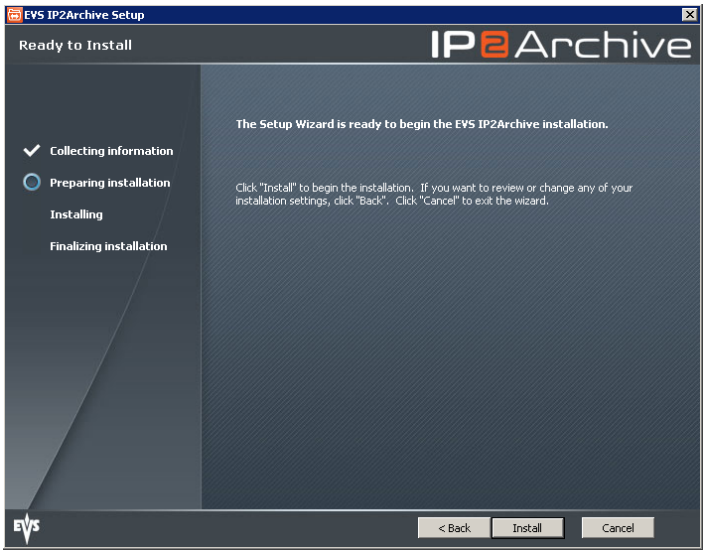
- If the database client software has already been installed, the Database Selection screen appears.

Select the database name from the drop-down list and enter the username and password necessary to log onto the database. You can test the connection with the database by clicking the **Test Login** button. Click **Next** to continue.

To add a new database, click the **New Database** button and enter the database name (by default IP2A.EVS), the IP address and port number (by default 1521) of the machine that hosts the database, and the service name (by default TOM). You can test the connection with the database by clicking the **Test Login** button. Click **Next** to continue.



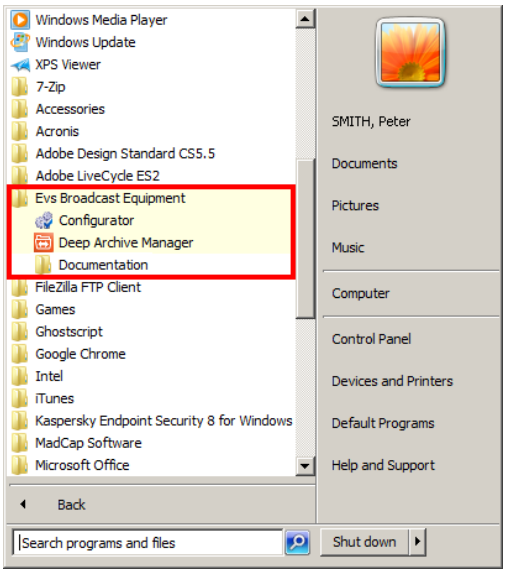
8. Click **Install** to start the installation.



The selected applications will be installed.

9. If the installation has been completed, click **Finish** to exit the Setup Wizard.
   - If the **View Readme File** check box is selected, a text file containing the IP2Archive release notes will be opened.
   - If the second check box is selected, the Configurator application will be launched. This application will allow to configure the installed applications.

The installed IP2Archive applications and a link to the IP2Archive documentation will appear in the Windows Start menu.



10. Open the IP2Archive installation folder, and right-click the application you want to create a shortcut to.
11. Click **Create Shortcut**.
12. Drag the shortcut to the Desktop.

3.2. How to Modify, Repair or Remove the Installation

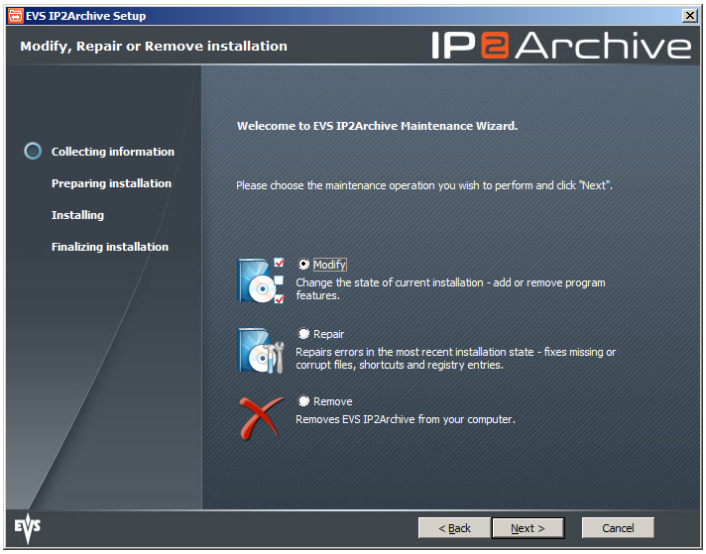
To modify, repair or remove the installation of the application, proceed as follows:

1. Double-click the `IP2Archive.exe` to launch the IP2Archive Maintenance Wizard.

   The Welcome screen appears.

2. Click **Next** to continue.

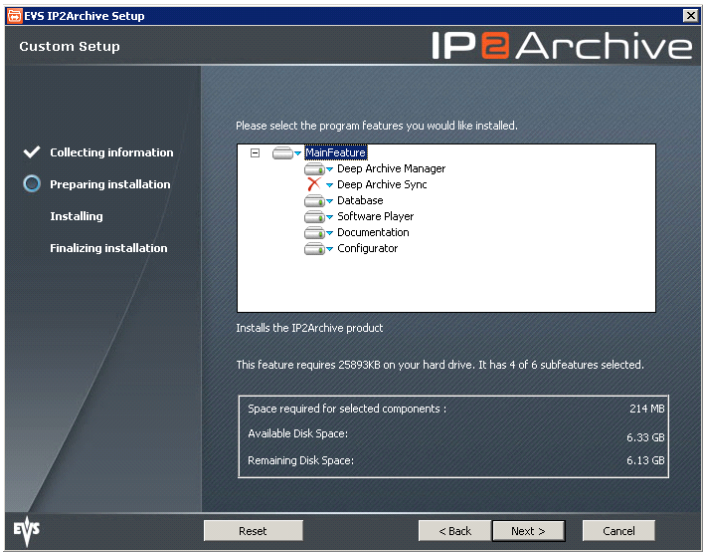
   The Modify, Repair or Remove Installation screen appears.



3. Do one of the following:
   - If you want to modify the IP2Archive installation, e.g. add or remove certain applications, select **Modify** and click **Next**. Continue to step 4.
   - If you want to repair the IP2Archive installation, e.g. fixing missing or corrupt files, shortcuts and registry entries, select **Repair** and click **Next**. Continue to step 6.

- If you want to remove the IP2Archive installation, select **Remove** and click **Next**. Continue to step 7.

4. In the Custom Setup screen, select the applications that you want to (de)install.



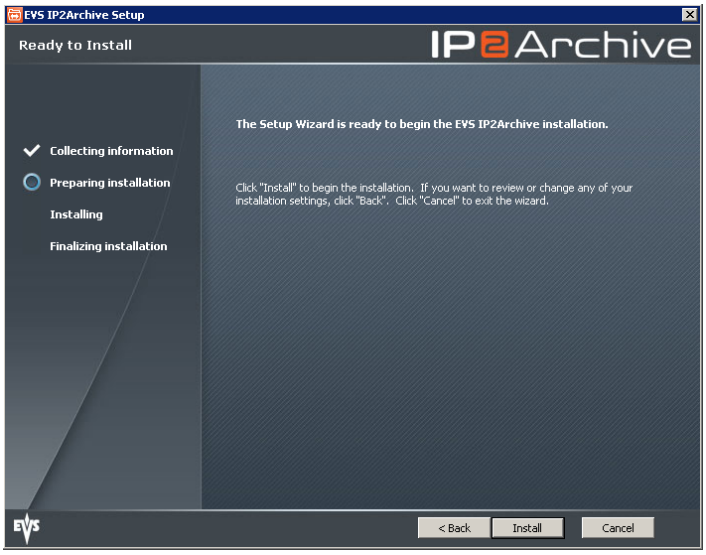
The Custom Setup screen shows a tree view of the IP2Archive applications that you can install and deinstall. By default, Deep Archive Manager, the database client software, the EVS Software Player, the IP2Archive documentation and Configurator are selected. When you click a feature or subfeature, a description of the feature will be displayed and also the disk space requirements.

To add or remove a feature, click the arrow next to the feature name, and then choose one of the following options from the drop-down list:

- **Will be installed on local hard drive**: Installs the selected feature in the location shown under Installation Folder.
- **Entire feature will be installed on local hard disk**: Installs the selected feature and all subfeatures.
- **Feature will be installed when required**:The feature will be installed when you perform an action that requires it.
- **Entire feature will be unavailable**: For a new installation of IP2Archive, this option passes over the installation of the selected feature. For an existing installation, this option removes the feature from the installation. After you select this option, a red X appears on the feature tree next to the feature name.This option cannot be selected for the database client software, the EVS Software Player and the IP2Archive documentation.

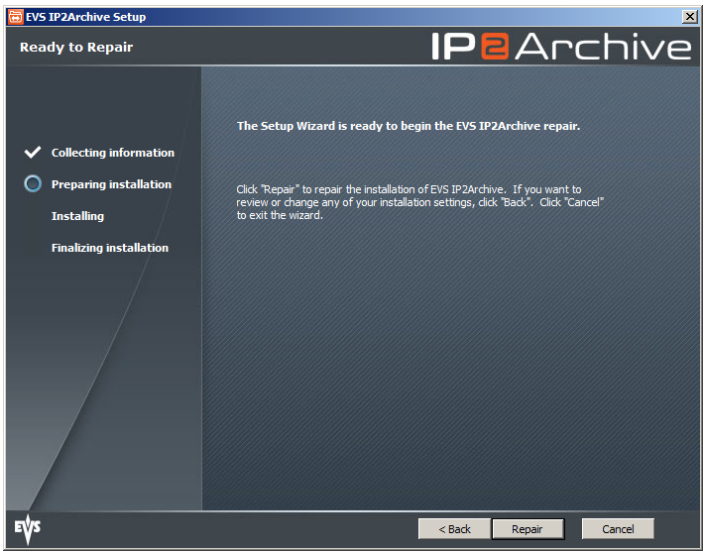
Click the **Reset** button to undo your selection. Click **Next** to continue.

5. Click **Install** to start the installation.

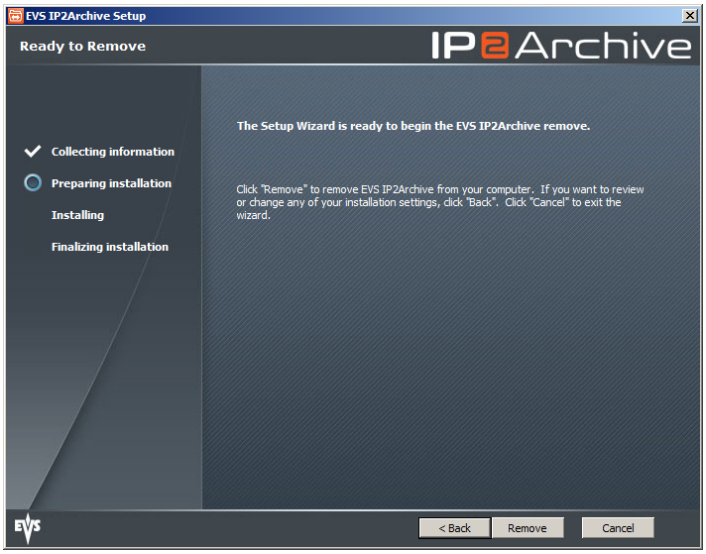


Any features that you have added in the Custom Setup screen will be installed. Any features that you have removed will be uninstalled. The installed features that you haven't modified will be skipped. Continue to step 8.

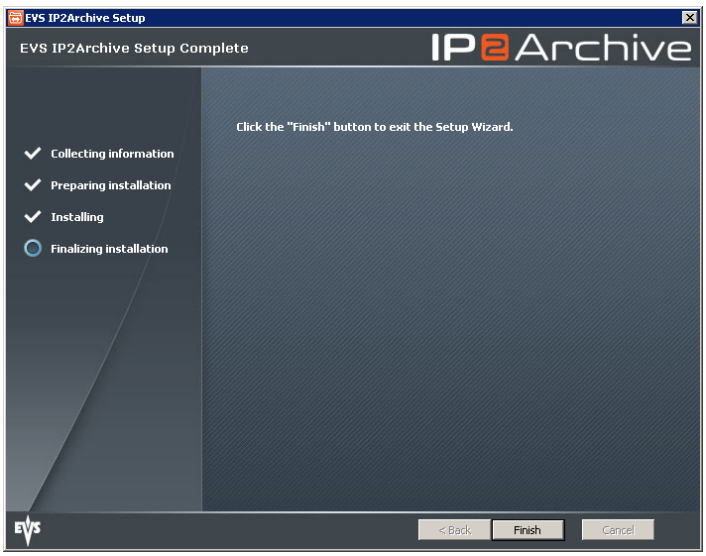
6. Click **Repair** to repair the installation of EVS IP2Archive. Continue to step 8.



7. Click **Remove** to remove IP2Archive from your computer.



8. Click **Finish** to exit the Setup Wizard.



4. Starting the Application

4.1. After Installation

Double-click the Deep Archive Sync icon on your desktop to start the application. You can also start the application by double-clicking the executable file (.exe) in the installation folder.

The splash screen appears.

The application logs into the database. Then, the Settings window appears allowing you to configure the application.

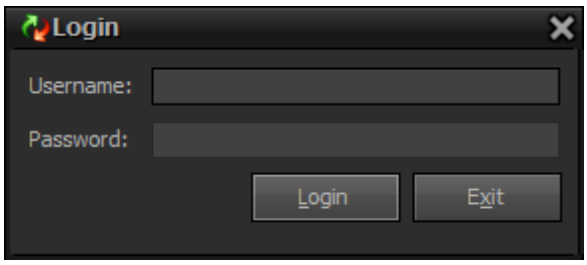
See section "Settings Window" on page 49.

4.2. After Configuration

Double-click the IP2Archive Deep Archive Sync icon on your desktop to start the application. You can also start the application by double-clicking the executable file (.exe) in the installation folder.

The splash screen appears. The application logs into the database.

Then, a Login dialog box appears.

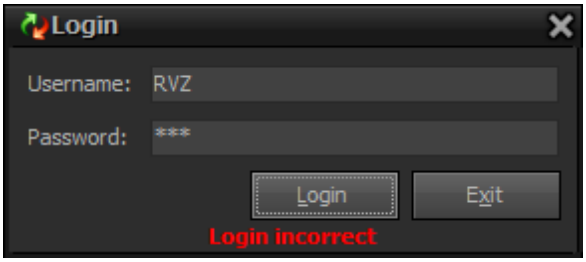


To be able to log into the application, you need to belong to a user group that has a role which allows to use the application.

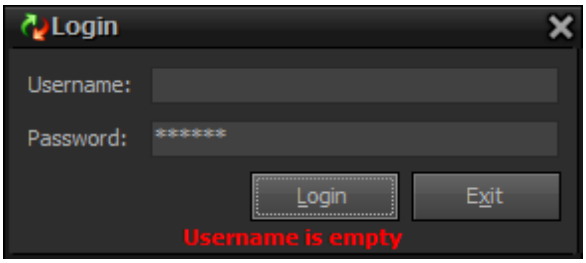
Enter your username and password and click **Login**. The main window of the application opens.

You get an error notification if:

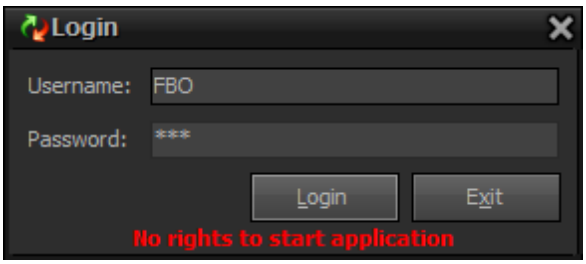
- you have entered a wrong username or password.



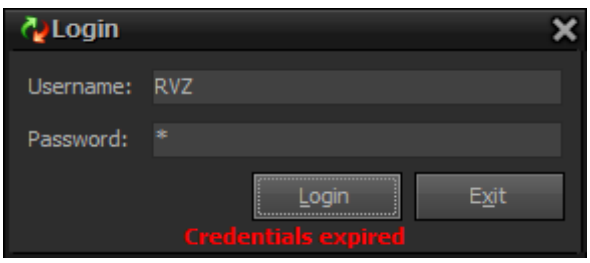
- you have omitted your username.



- you have insufficient user rights.



- your user account has expired.



Warning
If you have lost your password, a new password will have to be set in the Configurator. Contact your system administrator.

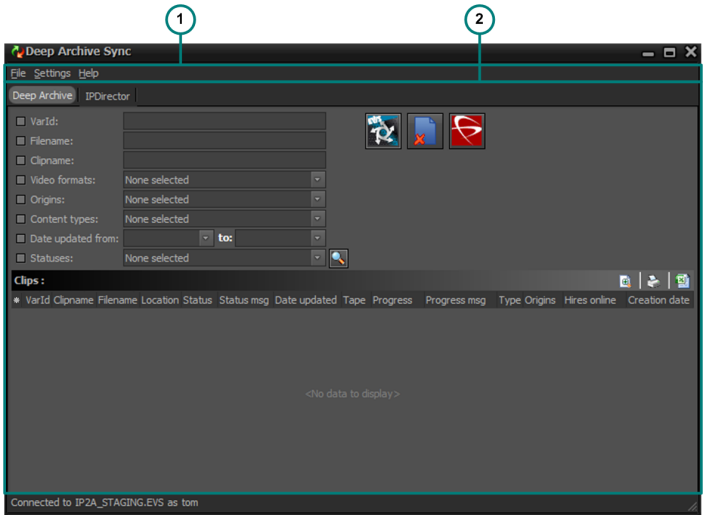
4.3. Main Window Overview

General Description

The main window allows you to search for clips in a particular database, request a clip archive metadata comparison with another database and start the synchronization between the two databases.

Illustration

The main window contains the areas highlighted on the screenshot below:



Area Description

The table below describes the various parts of the main window:

Part	Name	Description
1.	Menu bar	The menu bar contains three menus: **File**, **Settings** and **Help**.
2.	Deep Archive tab & IPDirector tab	These tabs allow you to search for clips, request a clip archive metadata comparison between two databases and synchronize the metadata.

Menu Bar

The menu bar contains three menus: **File**, **Settings** and **Help**.

The **File** menu contains only one command: **Exit**. It is used to exit the application. Click the **File** menu or use the keyboard shortcut keys **ALT** + **F** or **F10** + **F** to open it. Click **Exit** or use the keyboard shortcut key **X** to exit the application.

The **Settings** menu doesn't contain any commands. It immediately gives access to the application settings. Click the **Settings** menu or use the keyboard shortcut keys **ALT** + **S** or **F10** + **S** to access the settings.

The **Help** menu contains the following commands: **About** and **Help**.

With the **About** command the application splash screen can be opened. The splash screen displays the application software version, the name of the database the application is logged on to and the login name used.

With the **Help** command you can open the application help file. Click the **Help** menu or use the keyboard shortcut keys **ALT** + **H** or **F10** + **H** to open it.

Click **About** or use the keyboard shortcut key **A** to open the splash screen.

Click **Help** or use the keyboard shortcut key **H** to open the application help file.

Deep Archive and IPDirector Tab

The Deep Archive tab allows you to search for clips in the IP2Archive database and compare their archive metadata with the archive metadata in the IPDirector or DIVA database See section "Deep Archive Tab" on page 19.

In the IPDirector tab you can search for clips in the IPDirector database that have archive metadata but that are unknown in the IP2Archive database. You can remove this archive metadata from the IPDirector database. See section "IPDirector Tab" on page 21.

5. Synchronizing Clip Archive Metadata

5.1. Synchronization Workflows

5.1.1. Overview

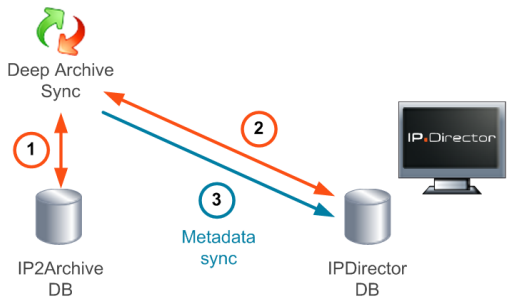
Three synchronization workflows can be performed in Deep Archive Sync:

- The user synchronizes the archive metadata of clips in the IPDirector database with the archive metadata of these clips in the IP2Archive database.
- The user synchronizes the archive metadata of clips in the IP2Archive database with the archive metadata of these clips in the DIVA database.
- The user removes in the IPDirector database the archive metadata of clips that are not found in the IP2Archive database.

5.1.2. Synchronizing IPDirector Clip Archive Metadata

To synchronize the clip archive metadata in the IPDirector database with the clip archive metadata in the IP2Archive database, the following workflow has to be followed:

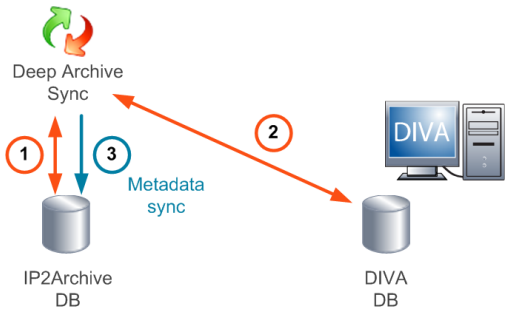
1. The user searches in the Deep Archive tab for clips in the IP2Archive database whose archive metadata has to be compared with the archive metadata of these clips in the IPDirector database.
2. The user requests a comparison. Deep Archive Sync performs a comparison through the IPDirector API.
3. The user selects the clips whose archive metadata has to be and can be synchronized, and he initiates the synchronization process. The IPDirector clip archive metadata is updated with the metadata in the IP2Archive database. The content of the archive and restore bins in IPDirector is also synchronized.



5.1.3. Synchronizing IP2Archive Clip Archive Metadata

To synchronize the clip archive metadata in the IP2Archive database with the clip archive metadata in the DIVA database, the following workflow has to be followed:

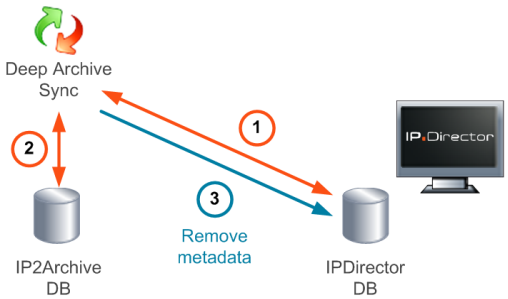
1. The user searches in the Deep Archive tab for clips in the IP2Archive database whose archive metadata has to be compared with the archive metadata of these clips in the DIVA database.
2. The user requests a comparison. Deep Archive Sync performs a comparison through the DIVA API.
3. The user selects the clips whose archive metadata has to be and can be synchronized, and he initiates the synchronization process. The archive metadata in the IP2Archive database is updated with the archive metadata in the DIVA database.



5.1.4. Removing Clip Archive Metadata From IPDirector

To remove the archive metadata in the IPDirector database of clips that are not known in the IP2Archive database, proceed as follows:

1. The user searches in the IPDirector tab for clips in the IPDirector database that have archive metadata.
2. Deep Archive Sync checks if these clips exist in the IP2Archive database or not. The clips that do not exist are returned.
3. The user requests to remove the archive metadata of these clips in the IPDirector database. The archive metadata is removed from the IPDirector database.



5.2. Interface

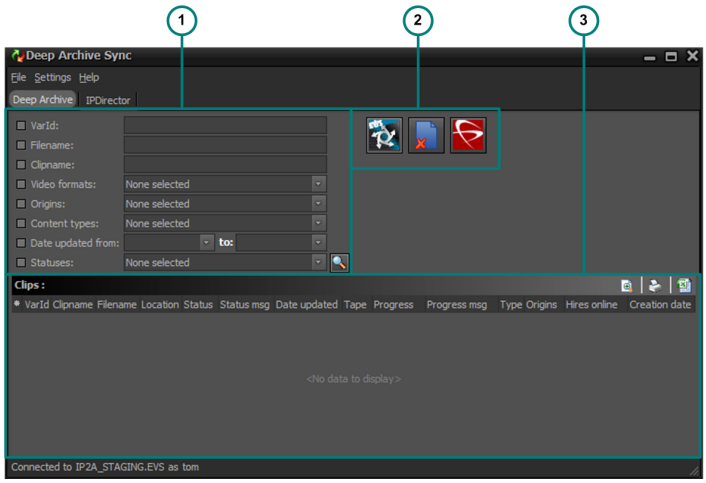
5.2.1. Deep Archive Tab

General Description

The Deep Archive tab allows you to search for clips in the IP2Archive database and request a comparison between their archive metadata and the archive metadata of these clips in the IPDirector or in the DIVA database. It also allows you to start the synchronization process.

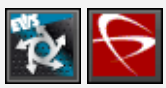
Illustration

The Deep Archive tab contains the areas highlighted on the screenshot below:



Area Description

The table below describes the various parts of the Deep Archive tab:

Part	Name	Description
1.	Search Bar	The Search bar allows you to search for clips in the IP2Archive database using one or more search criteria.
2.	Compare Buttons 	The Compare buttons allow you to compare the clip archive metadata in the IP2Archive database with the clip archive metadata in the IPDirector or in the DIVA database.
3.	Check Lores Button	The **Check Lores** button allows you to check the

Part	Name	Description
		IPDirector database the existence of the low-resolution file for particular clips.
4.	Search Results Pane	The Search Results pane displays the clips that correspond to the search that was performed.

Note
Depending on your user rights, the Compare buttons will be available or not.

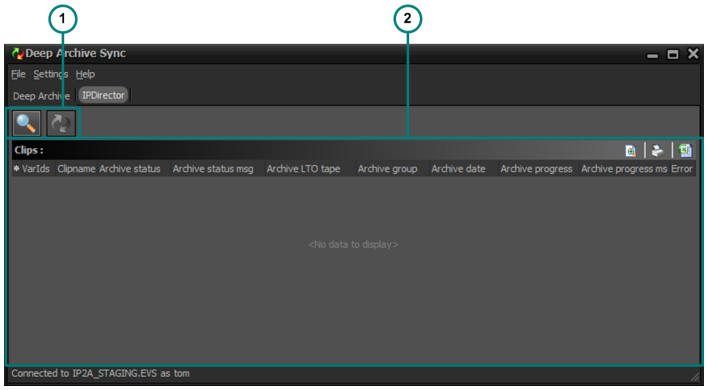
5.2.2. IPDirector Tab

General Description

The IPDirector tab allows you to search for clips in the IPDirector database that have archive metadata but that are unknown in the IP2Archive database, and to remove this archive metadata from the IPDirector database.

Illustration

The IPDirector tab contains the areas highlighted on the screenshot below:



Area Description

The table below describes the various parts of the IPDirector tab:

Part	Name	Description
1.	Search Button, Remove Metadata for Selected Clips Button 	The **Search** button allows you to search for clips in the IPDirector database. The **Remove Metadata for Selected Clips** button allows you to start the removal of the archive metadata of the selected clips from the IPDirector database.
2.	Search Results pane	This pane displays the clips that have archive metadata, but that do not exist in the IP2Archive database.

Note
Depending on your user rights, this tab will be available or not.

5.3. Searching for Clips

5.3.1. Searching for Clips in IP2Archive

Search Criteria

The search bar in the Deep Archive tab allows a user to search for clips in the IP2Archive database using a number of search criteria.

Clips can be searched by:

- their VarID
- their filename
- their clipname
- their video format
- their origin
- their content type

NEW ! • the date or period their archive status was last updated in Deep Archive Manager

- their archive status.

The search criteria can be combined to narrow down the search results. To start a search, the user has to click the **Search** button  .

How to Search for Clips

Searching by VarID

To search for clips in a particular tab using the clip VarID, proceed as follows:

1. (Optional) Select the **VarId** check box.

2. Enter (part of) the VarID in the field next to the **VarId** check box. The check box will be automatically selected.
3. Click  to start the search.

   The clips whose VarID matches (part of) the VarID you entered are displayed.

Searching by Filename

To search for clips by their filename, proceed as follows:

1. (Optional) Select the **Filename** check box.

2. Enter (part of) the filename in the field next to the **Filename** check box. The check box will be automatically selected.
3. Click to start the search.

   The clips whose filename matches (part of) the filename you entered are displayed.

Searching by Clipname

To search for clips by clipname, proceed as follows:

1. (Optional) Select the **Clipname** check box.

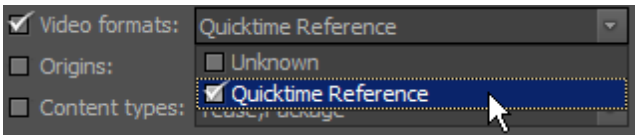
2. Enter (part of) the clipname in the field next to the **Clipname** check box. The check box will be automatically selected.
3. Click to start the search.

   The clips whose clipname matches (part of) the clipname you entered are displayed.

Searching by Video Format

To search for clips in the IP2Archive database by video format, proceed as follows:

1. (Optional) Select the **Video Formats** check box.
2. From the drop-down list select the desired video format. Multiple formats can be selected. The **Video Formats** check box will be automatically selected.

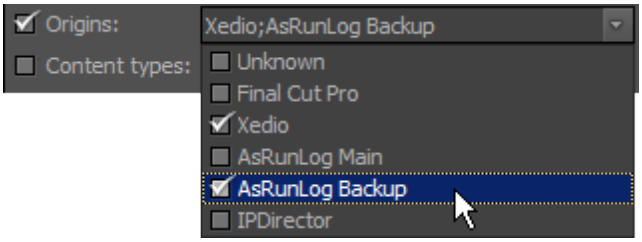


3. Click the **Search** button to start the search.

Searching by Origin

To search for clips in the IP2Archive database by their origin, proceed as follows:

1. (Optional) Select the **Origins** check box.
2. From the drop-down list select the desired origin. Multiple origins can be selected. The **Origins** check box will be automatically selected.

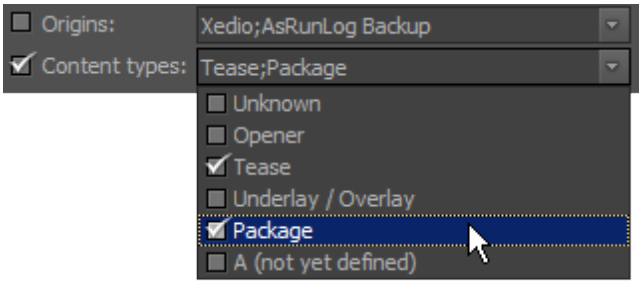


3. Click the **Search** button to start the search.

Searching by Content Type

To search for clips in the IP2Archive database by their content type, proceed as follows:

1. (Optional) Select the **Content Types** check box.
2. From the drop-down list select the desired content type. Multiple content types can be selected. The **Content Types** check box will be automatically selected.

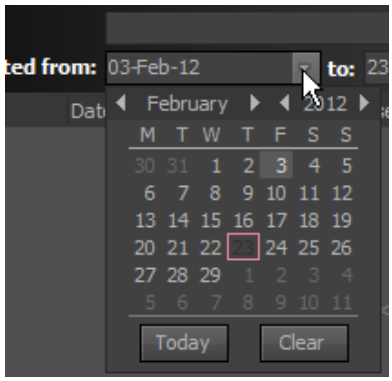


3. Click the **Search** button to start the search.

Searching by Update Period

To search for clips in the IP2Archive database by the date or period their archive status was last updated in Deep Archive Manager, proceed as follows:

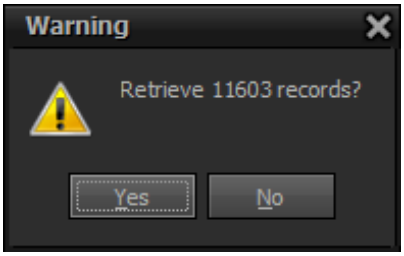
1. Select the check box next to the **Date Updated From** box.
2. In the **Date Updated From** box, do one of the following:
   - Enter the desired start date. Proceed to step 4.
   - Click the downward pointing arrow to open a date picker.



   Proceed to step 3.
3. Do one of the following:
   - Select the desired year, month and day.
   - Click **Clear** to clear the currently selected date and select a new date.
   - Click **Today** to select the current date.
4. In the **To** box, enter an end date for the period or select a date from the date picker.

   To display the clips whose archive status was last updated on a particular day, enter the same date as the one you entered in the **Date Updated From** box.
5. Click to start the search.

   A warning message appears indicating the number of clips found. If there are a lot of results, the loading can take some time.

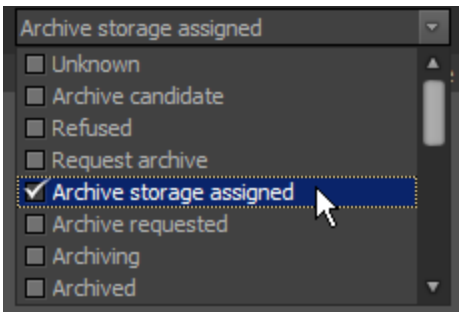


6. Click **Yes** to continue or **No** to cancel the search operation.

Searching by Archive Status

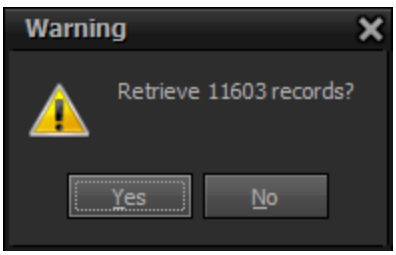
To search for clips in the IP2Archive database by archive status, proceed as follows:

1. (Optional) Select the **Statuses** check box.
2. Open the drop-down list and select the desired archive statuses from the list. The **Statuses** check box will be automatically selected.



3. Click  to start the search.

   A warning message appears indicating the number of clips found. If there are a lot of results, the loading can take some time.



4. Click **Yes** to continue or **No** to cancel the search operation.

   The clips are displayed in the Search Results pane.

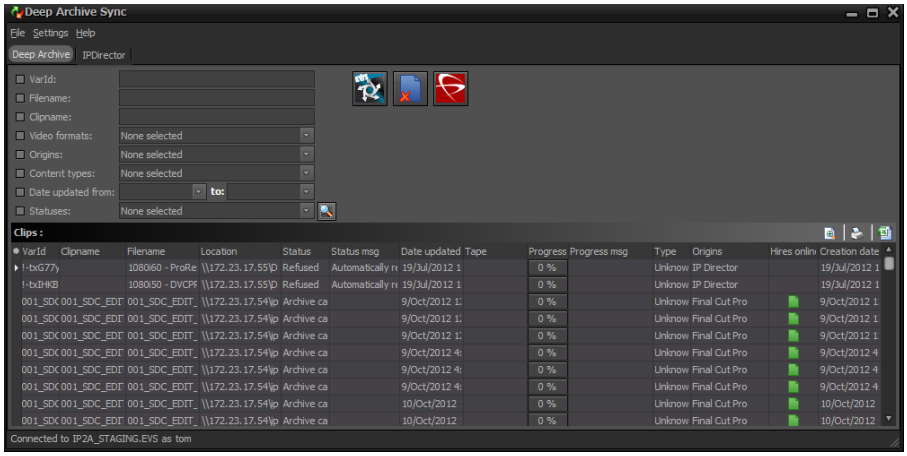
5.3.2. Searching for Clips in IPDirector

To search for clips in the IPDirector database with clip archive metadata that does not exist in the IP2Archive database, click the **Search** button  in the IPDirector tab.

5.3.3. Search Results

Deep Archive Tab

The Search Results pane in the Deep Archive tab displays the clips that correspond to the search query performed in the search bar.



The following clip data is displayed:

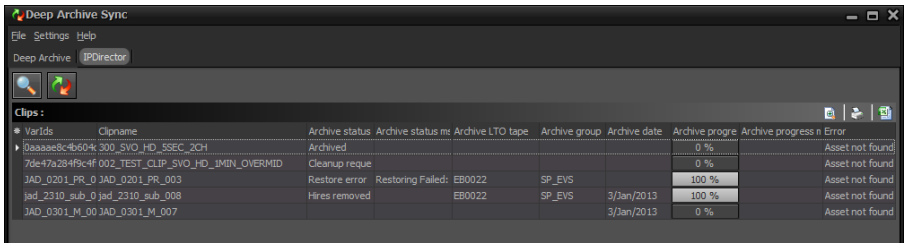
Data	Description
VarID	A 32-character ID with variable length and format. It is automatically assigned by IPDirector to new clips. It is mainly used to ensure redundancy on the system.
Clipname	The name of the clip.
Filename	Name and extension of the corresponding high-resolution video file.
Location	Location of the high-resolution video file.
Status	Archive status of the clip.
Status Message	Automatically generated status message.
Date Updated	Date the archive status was last modified in Deep Archive Manager.
Tape	ID of the LTO tape the high-resolution file of the clip was stored on.
Progress	Progress bar indicating the progress of the archive, purge, restore or remove hi-res process.
Progress Message	Textual description of the progress.
Type	Clip content type.
Origins	Source via which the clip was entered in the deep archive system.
Hires	Indicates if the high-resolution video file is present on the nearline storage

Data	Description
Online	or not. A green icon ( ) indicates that the high-resolution file is online. If the high-resolution file is offline, i.e. not available on the nearline storage, the cell is empty.
Creation Date	Date and time the clip appeared in Deep Archive Manager as archive candidate.

The data in the grid can be sorted and filtered. See section "Managing Grids and Grid Data" on page 36

IPDirector Tab

The Search Results pane in the IPDirector tab displays the clips from the IPDirector tab that have archive metadata but that do not exist in the IP2Archive database.



The following clip data is displayed:

Data	Description
VarIds	A 32-character ID with variable length and format. It is automatically assigned by IPDirector to new clips. It is mainly used to ensure redundancy on the system.
Archive Status	Archive status of the clip.
Archive Status Message	Automatically generated archive status message.
Status Date	Date the archive status was last modified in Deep Archive Manager.
Archive LTO Tape	ID of the LTO tape the high-resolution file of the clip was stored on.
Archive Group	Tape group the clip belongs to.
Archive Date	Date the clip was archived.
Archive Progress	Progress bar indicating the progress of the archive, purge, restore or remove hi-res process.
Archive Progress Message	Textual description of the progress.
Error	Error message indicating that the clip was not found in the IP2Archive database.

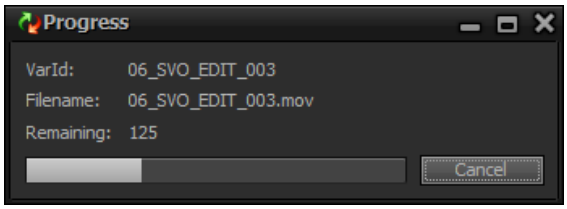
5.4. Comparing and Synchronizing Clip Archive Metadata

5.4.1. Requesting the Comparison

Once you have searched for the desired clips in the Deep Archive tab, you can request Deep Archive Sync to compare the archive metadata of these clips in the IP2Archive database with the metadata in the IPDirector database or in the DIVA database.

Click the **Compare With IPDirector** button  or the **Compare With DIVA** button  to do this.

A dialog box appears displaying the ID and filename of the clips whose archive metadata is being compared. It also displays the remaining items and the progress of the process.



Note
If IP2Archive interfaces with XenData or SGL, the **Compare With DIVA** button will be grayed out. You won't be able to compare and synchronize the metadata.

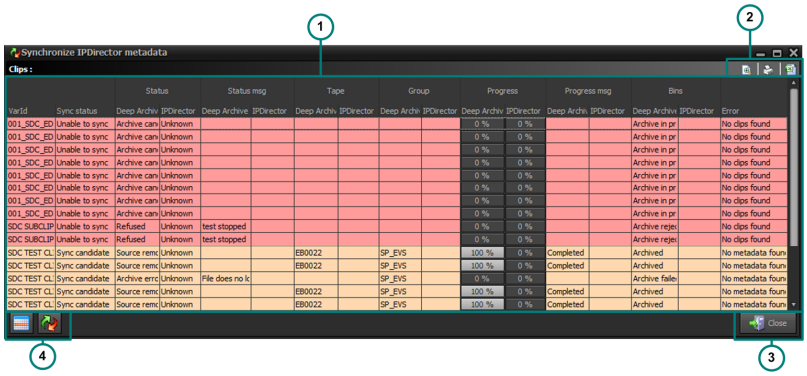
5.4.2. Sync Dialog Box

General Description

The IPDirector or DIVA Sync dialog box appears as soon as Deep Archive Sync has completed its comparison process. It displays the clip archive metadata originating from the IP2Archive database next to the clip archive metadata originating from the IPDirector or the DIVA database. It highlights the clips with metadata discrepancies. It allows you to start the synchronization process for the clips you select.

Illustration

The Sync dialog box contains the areas highlighted on the screenshot below:



Area Description

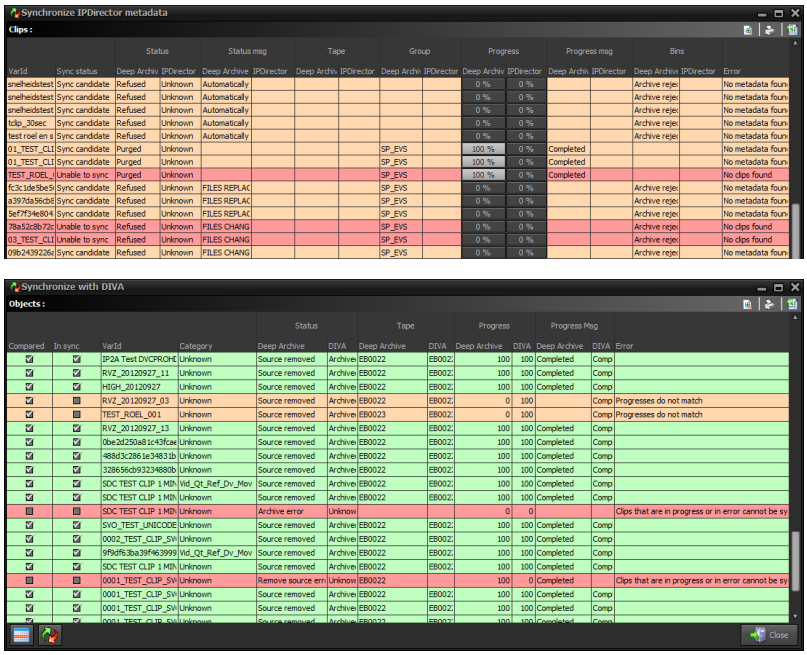
The table below describes the various parts of the Sync dialog box:

Part	Name	Description
1.	Comparison Grid	The Comparison grid displays the clip archive metadata originating from the IP2Archive database next to the clip archive metadata originating from the IPDirector or the DIVA database.
2.	Preview, Print and Export Buttons	The data displayed in the Comparison grid can be printed and exported to Excel. The **Print Preview** button is used to open a print preview. The **Print** button is used to print the content of the grid. The **Export to Excel** button is used to export the data in the grid to Excel.
3.	Close Button	The **Close** button is used to exit the Comparison window.
4	Synchronize Buttons	The **Select all Clips that can be Synchronized** button allows you to select all clips in the grid that can be synchronized.  The **Synchronize Selected Clips** button allows you to start the synchronization of the data of the selected clips in the grid. 

5.4.3. Comparison Grid

Introduction

In the Comparison grid the clip archive metadata in the IP2Archive database is compared with the clip archive metadata in the IPDirector or in the DIVA database.



Clip Data Compared With the IPDirector Database

The Comparison grid in the IPDirector Sync dialog box displays the following data:

Data	Description
VarID	A 32-character ID with variable length and format. It is automatically assigned by IPDirector to new clips. It is mainly used to ensure redundancy on the system.
Sync Status	Synchronization status of the clip. The clip can have one of the following statuses: • **In sync**: The archive metadata of the clip has been synchronized. • **Sync candidate**: The archive metadata of the clip has to be synchronized. • **Unable to sync**: The archive metadata of the clip cannot be synchronized.
Status Deep Archive	Archive status of the clip in the IP2Archive database.
Status IPDirector	Archive status of the clip in the IPDirector database.

Data	Description
Status Message Deep Archive	Status message linked to the clip in the IP2Archive database.
Status Message IPDirector	Status message linked to the clip in the IPDirector database.
Tape Deep Archive	ID of the LTO tape in the IP2Archive database.
Tape IPDirector	ID of the LTO tape in the IPDirector database.
Group Deep Archive	Name of the group the LTO tape belongs to in the IP2Archive database.
Group IPDirector	Name of the group the LTO tape belongs to in the IPDirector database.
Deep Archive Progress	Progress bar indicating the progress of the archive, purge, restore or remove hi-res proces as stored in the IP2Archive database.
Progress IPDirector	Progress bar indicating the progress of the archive, purge, restore or remove hi-res proces as stored in the IPDirector database.
Deep Archive Progress Message	Textual description of the progress as stored in the IP2Archive database.
IPDirector Progress Message	Textual description of the progress as stored in the IPDirector database.
Bins Deep Archive	Name of the IPDirector archive or restore bin in which the clip is located as stored in the IP2Archive database.
Bins IPDirector	Name of the IPDirector archive or restore bin in which the clip is located as stored in the IPDirector database.
Error	An error message that indicates what the difference is between the data in the IP2Archive database and the IPDirector database. The following error messages can be displayed: • ‘No metadata found’ • ‘Clips not found’ • 'Archive states do not match' • 'Status messages do not match' • 'LTO tape ids do not match' • 'Progress messages do not match' • 'Progresses do not match' • 'Group names do not match'

Clip Data Compared With the DIVA Database

The Comparison grid in the IPDirector Sync dialog box displays the following data:

Data	Description
Compared	Check box indicating if the data of the clip has been compared or not.
In Sync	Check box indicating if the data of the clip is synchronized with the DIVA database.
VarID	A 32-character ID with variable length and format. It is automatically assigned by IPDirector to new clips. It is mainly used to ensure redundancy on the system.
Category	Category in DIVA the clip belongs to.
Status Deep Archive	Archive status of the clip in the IP2Archive database.
Status DIVA	Archive status of the clip in the DIVA database.
Tape Deep Archive	ID of the LTO tape in the IP2Archive database.
Tape DIVA	ID of the LTO tape in the DIVA database.
Progress Deep Archive	Progress bar indicating the progress of the archive, purge, restore or remove hi-res proces as stored in the IP2Archive database.
Progress DIVA	Progress bar indicating the progress of the archive, purge, restore or remove hi-res proces as stored in the DIVA database.
Progress Message Deep Archive	Textual description of the progress as stored in the IP2Archive database.
Progress Message DIVA	Textual description of the progress as stored in the DIVA database.
Error	An error message that indicates what the difference is between the data in the IP2Archive database and the DIVA database. The following error messages can be displayed: • 'Archive states do not match' • 'LTO tape ids do not match' • 'Progresses do not match' • 'Progress messages do not match' • 'Clips that are in progress or in error cannot be synchronized'

Color Codes

The Comparison grid uses color codes to indicate the synchronization status of each clip. Three colors are used:

- **Green**: Indicates that the archive metadata of the clip is in sync.

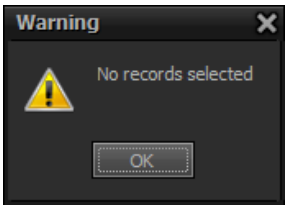
- **Orange**: Indicates that the archive metadata of the clip is not in sync. It can be synchronized.
- **Red**: Indicates that the archive metadata of the clip is not in sync. It cannot be synchronized.

5.4.4. Synchronizing the Clip Archive Metadata

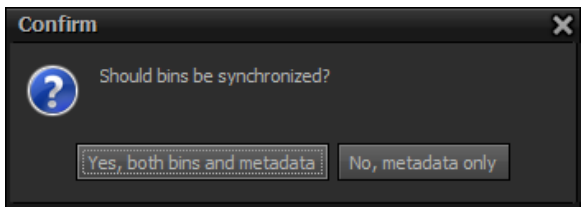
To synchronize the clip archive metadata, proceed as follows:

1. Click  to select the clips the archive metadata of which you want to synchronize.

   If you click  before selecting any clips, an error message will appear.

2. Click  to start the synchronization process.
   - If you are synchronizing the data between IPDirector and IP2Archive, then depending on the settings,a dialog box might appear asking if you also want to synchronize the content of the archive and restore bins in IPDirector. See section "MAD Tab" on page 51. Continue to step 3.

   - If you are synchronizing the data between IP2Archive and DIVA, then the synchronization is performed.
3. Click the **Yes, Both Bins And Metadata** button if you want Deep Archive Sync to both synchronize the clip archive metadata and the content of the archive and restore bins in IPDirector. Click the **No, Metadata Only** button if you only want the clip archive metadata to be synchronized.

   The synchronization is performed.

5.5. Removing Clip Archive Metadata

After you have searched for the clips in the IPDirector database that have clip archive metadata that does not exist in the IP2Archive database (See section "Searching for Clips in IPDirector" on page 25.), you can remove this clip archive metadata in the IPDirector database.

To remove the archive metadata of clips, click the **Synchronize** button  in the IPDirector tab. If nothing is selected, the **Synchronize** button remains unavailable.

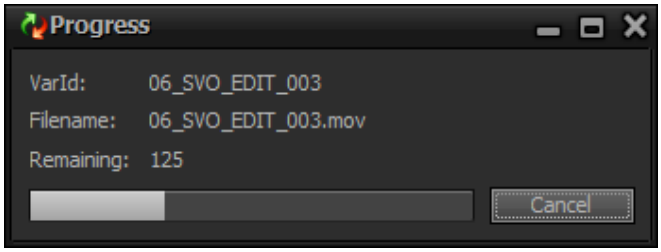
5.6. Checking the Status of the Low-Resolution File

5.6.1. Requesting the Check

Once you have searched for the desired clips in the Deep Archive tab, you can request Deep Archive Sync to check in the IPDirector database if a low-resolution file exists for the clips in questions.

Click the **Check if Lores Exists in IPDirector** button  to start the check.

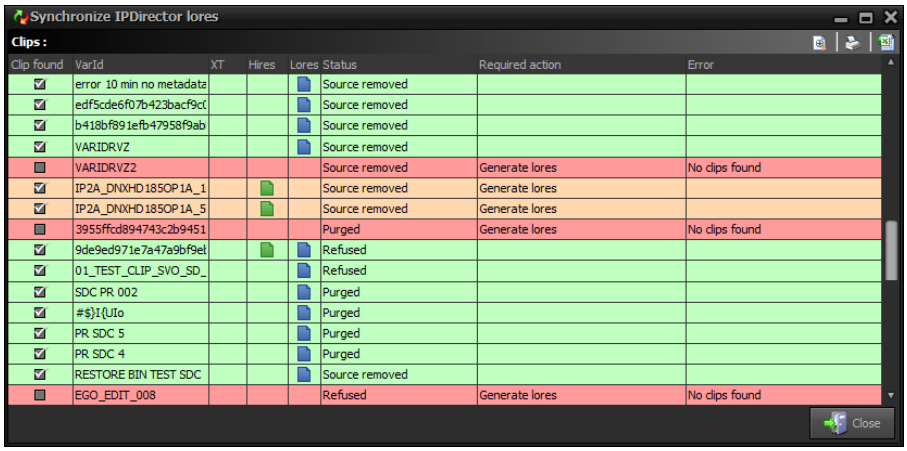
A dialog box appears displaying the ID and filename of the clips. It also displays the remaining clips to be checked and the progress of the process.



Once the check has been completed, the Synchronize IPDirector Lores dialog box appears.

5.6.2. Synchronize IPDirector Lores Window

The Synchronize IPDirector Lores window displays if the low-resolution video file of a particular clip is available online or not.



The following information is displayed:

Column	Description
Clip Found	If the low-resolution file is found to be online, this check box will be automatically selected.
VarID	VarID of the clip.
XT	The icon appears when the clip is available on the XT server.
Hires	The icon appears when the high-resolution video file is online.
Lores	The icon appears when the low-resolution video file is online.
Status	Archive status of the clip.
Required Action	One or more actions that have to be performed to get the low-resolution video file online again. The following messages can appear here: • Generate lores (in case the high-resolution file is online) • Restore hires, then generate lores (in case the high-resolution file is not online, but has been archived to LTO). • Synchronize hires, then restore hires, then generate lores (in case the high-resolution file has been removed in IPDirector but is still online in the IP2Archive database). • Unable to restore (in case the high-resolution and low-resolution file are not online, no clip is available on the XT server and the clip was not archived on LTO tape).
Error	Error message that appears when the low-resolution file is not found online. By default, 'No clips found' is displayed.

Click the **Close** button 

to exit the dialog box.

6. Managing Grids and Grid Data

6.1. About Managing Grids and Grid Data

In the application most of the data is displayed in grids. Each grid consists of a number of columns containing specific information.

The application provides you a number of functions that allow you to organize the display of data in the grids to be clearer and more comprehensible. This will enable you to find back information much faster.

It is possible to:

- sort and filter data
- widen and narrow columns.

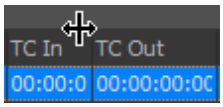
The data of the grids can be printed and/or exported to Excel for reporting purposes.

6.2. Adjusting the Width of a Grid Column

To manually adjust the width of a particular column, drag the right or left border of the column header until the column has the desired width.

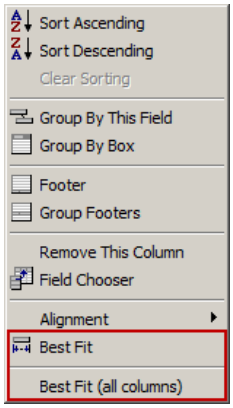
To manually change the width of a column to fit its contents, double-click the boundary on the right side of the column header.

If you hold your cursor over a column header border, it will change into a double-headed arrow.



To automatically adjust the width of a column to fit its contents, right-click the column header, and then select the **Best Fit** option from the context menu.

To automatically adjust the width of all columns to fit their contents, right-click the column header, and then select the **Best Fit (all columns)** option from the context menu.



6.3. Sorting Grid Data

Every grid can be sorted according to the values in one of the columns. You can sort text (from A-Z or from Z-A) and numbers (from low to high or from high to low).

To sort the data in a particular column, click the column header once to sort the data in ascending order. Click again to sort the data in descending order. An arrow next to the column header indicates the sorting method.

	sorted in ascending order
	sorted in descending order

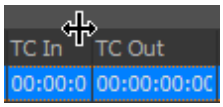
6.4. Manipulating Grid Columns

6.4.1. Adjusting the Width of a Grid Column

To manually adjust the width of a particular column, drag the right or left border of the column header until the column has the desired width.

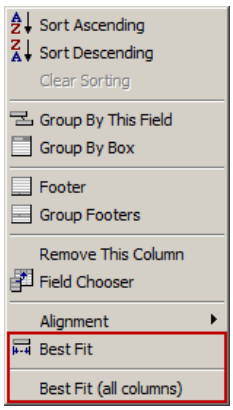
To manually change the width of a column to fit its contents, double-click the boundary on the right side of the column header.

If you hold your cursor over a column header border, it will change into a double-headed arrow.



To automatically adjust the width of a column to fit its contents, right-click the column header, and then select the **Best Fit** option from the context menu.

To automatically adjust the width of all columns to fit their contents, right-click the column header, and then select the **Best Fit (all columns)** option from the context menu.



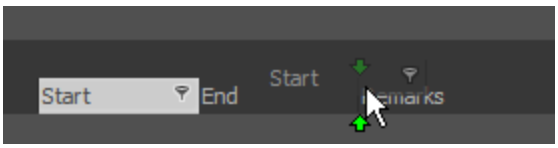
6.4.2. Reordering Grid Columns

NEW ! If you want the information in a grid to be displayed in a different order, you can change the position of the columns. There are two ways to reorder columns.

To reorder a column, proceed as follows:

1. Click the header of the column you want to move and hold down your left mouse button.
2. Drag the column header to the desired position in the grid.

   Two arrows will indicate where it is possible to insert the column.

   A black prohibition sign will indicate where the column cannot be inserted.

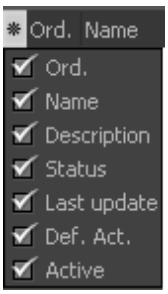
3. Release the left mouse button to insert the column.

You can also reorder the columns of a grid by using the **Show/Hide/Move** button:

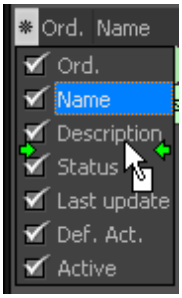
1. Click on the left side of the first column header.

   A drop-down list containing the headers of the grid columns appears. The column headers are listed in the order in which the columns are displayed in the grid. The first header in the list is the leftmost field in the grid. The columns that are visible in the grid are selected.

   The headers in the screenshot below can differ from the headers available in your application.

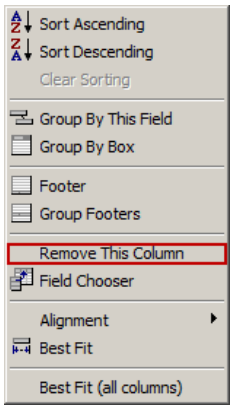
   

2. Select a header and drag it to the desired position in the list. Green arrows will appear indicating where you can insert the grid.



6.4.3. Removing a Grid Column

If you want less information to be displayed in a grid, you can remove some columns. To remove a column from a grid, right-click its header and then select the option **Remove This Column** from the context menu.

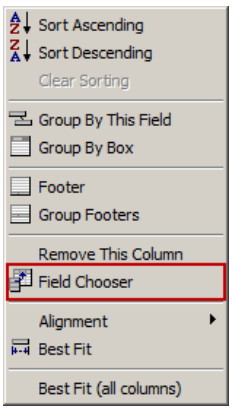


The removed column will be added to the dialog box containing the columns that can be added to the grid. In a later stage, the removed column can be added again to the grid.

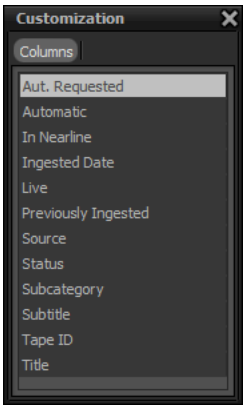
6.4.4. Adding a Grid Column

If you want more information to be displayed in a grid, you can add some extra, predefined columns. To add a column to a grid, proceed as follows:

1. Right-click the header of a column, and then select the option **Field Chooser** from the context menu.

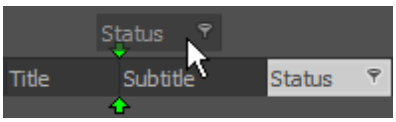


   A dialog box appears with a list of predefined columns you can add to the grid. Note that the column headers shown in the screenshot below can differ from the ones displayed in your application.



2. From the list, select the header of the column you want to add to the grid.
3. Drag the column header to the desired position in the grid.

   Two green arrows will appear indicating where you can insert the column.



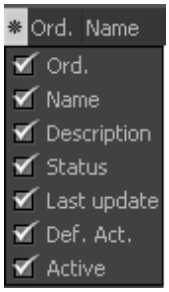
   A black prohibition sign or cross will appear if you try to insert the column in a location where it cannot be inserted.

4. Release the left mouse button to insert the column.

6.4.5. Hiding and Showing Grid Columns

NEW ! In each grid you can select the columns you want to be shown and deselect the columns you want to be hidden. A filter button is provided in the top left corner of the grid.

If you click it, a drop-down list will appear with the available columns.



6.5. Filtering Grid Data

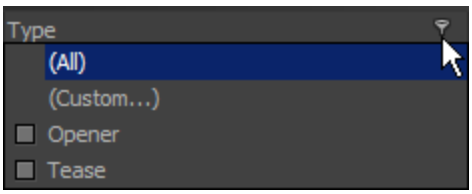
You can filter the data in a grid by using two types of filters: by one or more values from a particular column or by simple or complex criteria.

6.5.1. Filtering by Values From a Column

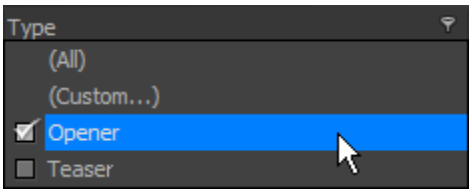
To filter the data in a particular grid by one or more values from a particular column, proceed as follows:

1. Hold your cursor over the header of the column by whose values you want to filter the grid, and then click the filter button.

   A drop-down list opens containing all the column values.

2. Select the desired values.

   Only the records that contain one of the selected values are displayed in the grid. At the bottom of the grid a filter bar appears displaying the applied filter.

3. In the filter bar, do one of the following:
   - Clear the check box next to the filter to undo it. Select the check box to apply the filter again.
   - Click to undo the filter and close the filter bar.
   - Click to open a drop-down list containing previously applied filters.
   - Click **Customize** to create a complex filter.

6.5.2. Filtering by Criteria

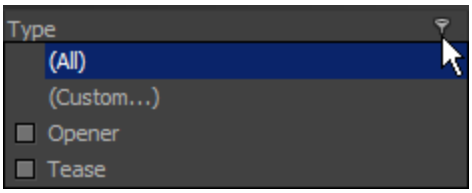
Filters by criteria can be simple or complex:

- **Simple filters** consist of one or two criteria and one Boolean operator (AND or OR).
- **Complex filters** consist of more than two criteria and more than one Boolean operator (AND, OR, NOT AND and NOT OR).

How to Create a Simple Filter

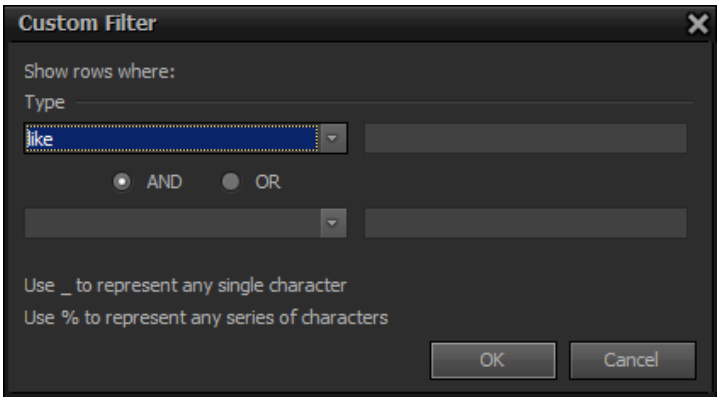
To create a simple filter, proceed as follows:

1. Hold your cursor over the header of the desired column, and then click the filter button appearing in the right corner.



2. From the drop-down list, select the option **(Custom…)**.

   The Custom Filter dialog box appears. Here you can enter the criterion or the two criteria you want to filter the values of the selected column by.



3. Select the desired comparison operator from the first drop-down list.

   A comparison operator is used in comparison criteria to compare two values. Operators include: ‘equals’, ‘does not equal’, ‘is less than’, ‘is less than or equal to’, ‘is greater than’, ‘is greater than or equal to’, ‘like’, ‘not like’, ‘is blank’ and ‘is not blank’.

   For example, if you want to filter the values of a column by text that includes a certain word, character or sign, you have to select the comparison operator ‘like’.

4. Enter text in the field next to the first drop-down list.

   For example, if you want to filter by text that includes the letter ‘S’, type %S%.

   The % wildcard can substitute for zero or more characters. The _ character can substitute for exactly one character.

5. If you want to add a second filter criterion, select the desired Boolean operator. Select:
   - **AND**, if both criteria have to be true;
   - **OR**, if at least one of the criteria or both have to be true.

6. Select the desired comparison operator from the second drop-down list, and then enter text in the field at the right.
7. Click **OK** to apply the filter.

   Only the values matching the entered criterion or criteria will be displayed.

How to Create a Complex Filter

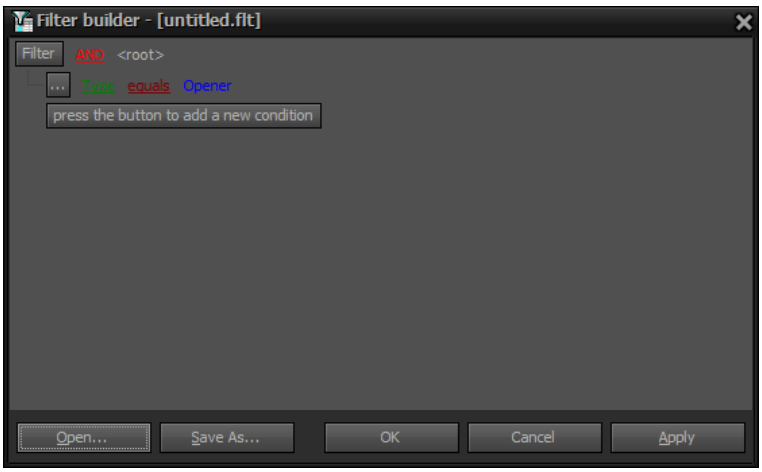
To create a complex filter, proceed as follows:

1. Apply a simple filter to a grid or filter a grid by selecting one or more values from a list of values. See above.

   At the bottom of the grid a filter bar appears.
2. In the filter bar, click the **Customize** button.

   A dialog box appears that allows you to create complex filters. The criteria of the active filter are displayed in a tree structure. Here you can add extra criteria and change the existing criteria.

3. Do one of the following:

- To add a new criterion, do one of the following:
  - click the **Press the Button to Add a New Condition** button;
  - click the **Filter** button and select **Add Condition**;
  - click  next to a criterion and select **Add Condition**.
- To change a criterion, do one of the following:
  - click a column header (green and underlined text) and select another value from the list;
  - click a comparison operator (dark red and underlined text) and select another value from the list: ‘equals’, ‘does not equal’, ‘is less than’, ‘is less than or equal to’, ‘is greater than’, ‘is greater than or equal to’, ‘like’, ‘not like’, ‘is blank’, ‘is not blank’, ‘between’, ‘not between’, ‘in’, ‘not in’;
  - click the dark blue text on the right of the comparison operator and enter another value.

- To delete a criterion, click the  button to the left of the criterion and select the option **Remove Row**.
- To add a group of criteria, do one of the following:
  - click  next to a random criterion and select **Add Group**;
  - click the **Filter** button and select **Add Group**.
- To delete all criteria, click the **Filter** button and select the option **Clear All**.

4. Do one of the following:
   - To open an existing complex filter, click **Open**;
   - To save the current filter, click **Save As**;
   - To confirm the changes and close the dialog box, click **OK**;
   - To undo the changes, click **Cancel**.
   - To apply the changes, click **Apply**.

   At the bottom of the grid a bar appears which displays the components of the complex filter. Note that if you have already created a custom filter in the past, you can reapply it by clicking the current filter or the downward pointing arrow. A drop-down list containing previous filters appears.

6.6. Printing and Exporting Grid Data

6.6.1. Print and Export Toolbar

A toolbar is provided containing buttons that allow you to print or export to Excel the data displayed in the grid. The table below describes each button.

Button	Description
	This button allows you to preview the grid data before printing.
	This button allows you to print the grid data.
	This button allows you to export the grid data to Excel.

6.6.2. Printing Grid Data

To print the data of a particular grid, proceed as follows:

1. Click the **Print** button  above the grid whose data you want to print.

   A Print dialog box appears.
2. Click **Print** to print the grid data.

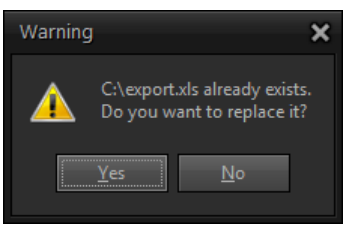
6.6.3. Exporting Grid Data

To export the data of a particular grid to Excel, proceed as follows:

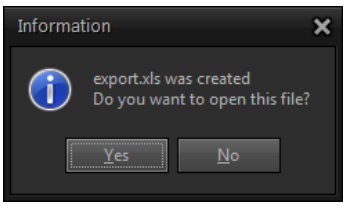
1. Click the **Excel Export** button  above the grid whose data you want to export to Excel.

   An Excel file is generated. The suggested Excel file name contains the current date and name of the tab of which you want to export the data. You can still modify this name.
2. Browse for the folder where you want to save the Excel file.
3. Enter a name in the **File Name** field or use the default name, and then click **Save** to save the file.

   If the folder contains an Excel file with the same file name, a warning message will appear asking you if you want to replace the existing file. Click **Yes** to continue and **No** to cancel the operation.



Once you have saved the file, a message box appears asking you if you want to open the newly generated Excel file. Click **Yes** to open the file and **No** to cancel the operation.

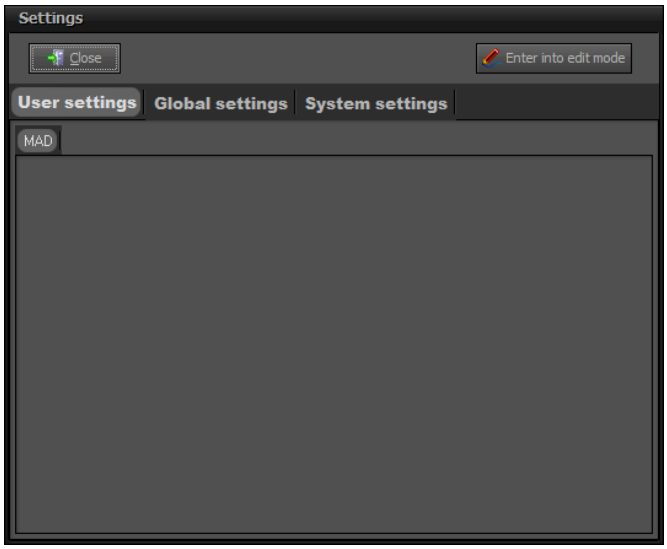


7. Configuring the Application

7.1. Settings Window

Opening the Settings Window

The Settings window allows you to configure your application. The first time the application is launched after it has been installed, the Settings window opens automatically.



The Settings window can also be accessed through the **Settings** menu in the main window.

Overview Setup Categories

The settings can be divided into three setup categories. In the Settings window, a tab is provided for each setup category. The table below briefly describes each setup category:

Setup Category	Description
User Settings	These settings can be configured by each individual user.
Global Settings	These settings can only be configured by the system administrator and by an eventual superuser.
System Settings	These settings configure the general functioning of the application. They can only be configured by the system administrator.

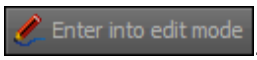
Currently, only the System Settings tab contains settings. The User Settings and Global Settings tab are still empty. They do not contain any settings.

Certain settings are read-only and cannot be configured. These can only be modified in the Configurator application. Other settings have to be configured locally.

Edit Mode

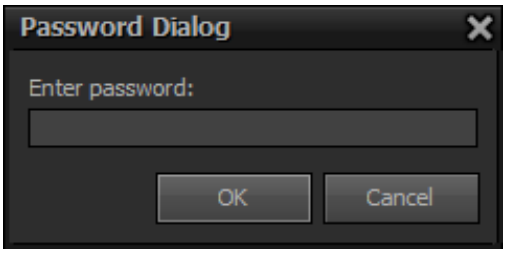
To be able to edit the Global and/or System settings, you first have to enter a password.

To put the Settings window into Edit Mode, proceed as follows:

1. Click the **Enter Into Edit Mode** button 

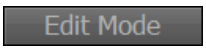
.

   A dialog box appears.



2. Enter the administrator password and then click **OK**.

   The Settings window enters into Edit Mode.



7.2. Global Settings

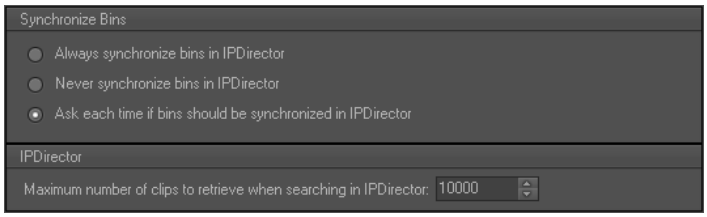
7.2.1. Overview Global Settings Subcategories

The Global settings are divided into the following subcategories:

- MAD

7.2.2. MAD Tab

NEW ! In the MAD tab you can configure the synchronization of the content of the IPDirector archive and restore process bins by Deep Archive Sync.



The following options are available:

- If you select the option **Always Synchronize Bins in IPDirector**, Deep Archive Sync will also automatically update the content of the bins in IPDirector when synchronizing the IPDirector clip metadata.
- If you select the option **Never Synchronize Bins**, Deep Archive Sync will not update the content of the bins in IPDirector.
- If you select the option **Ask Each Time if Bins Should Be Synchronized in IPDirector** , the user will have to confirm each time the synchronization of the content of the bins in IPDirector.

In the IPDirector group box you can specify a maximum number of clips to retrieve when searching in the IPDirector database. This to avoid that too much clips will be retrieved. By default, this is set to 10000.

7.3. System Settings

7.3.1. Overview System Settings Subcategories

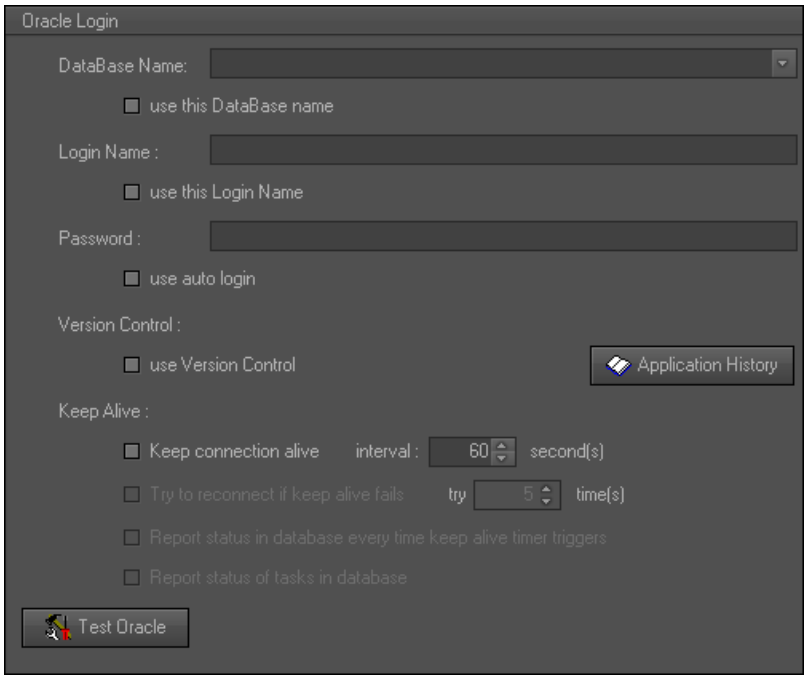
The System settings are divided into the following subcategories:

- Directories
- MAD Options
- Oracle Connection
- E-Mail Options
- Global Password
- Error Handling
- IPDirector API
- IPDirector Bins
- IPDirector Metadata
- DIVA

For each subcategory a tab is provided. The Directories and MAD Options tab do not contain settings.

7.3.2. Oracle Connection Tab

The Oracle Connection tab allows you to configure the connection with the Oracle database.



Entering the Database Name

In this field you have to enter the name of the database the application has to connect to.

If the **Use This Database Name** check box is selected, the name of the database will automatically appear in the Oracle login dialog box at start-up.

Entering the Login Name

In this field you have to enter a login name. If the **Use This Login Name** check box is selected, the login name will automatically appear in the Oracle login dialog box at start-up.

Entering a Password

In this field you have to enter a password. If the **Use Auto Login** check box is selected, the application automatically logs into the selected database at start-up. The Oracle login dialog box does not appear.

Activating Version Control

If the **Use Version Control** check box is selected, the software version of the application is checked each time it logs into the database. This check box should always be selected!!

If the software version is outdated, the following warning message appears in the splash screen highlighted in red: 'Obsolete – A newer version exists. May not be used anymore.'

Click the **OK** button to close the splash screen and update your software version.

By clicking the **Application History** button, you can open a chronological list of all software versions of the application. To get more details about each version (creation date, name of programmer, status, additional remarks), you have to click **+** next to the version number.

Activating Keep Alive

If the option **Keep Connection Alive** is selected, a message is sent to the database at regular time intervals to avoid idle connections from being closed by the firewall. These intervals can be set by you.

If the option **Try to Reconnect if Keep Alive Fails** is selected, the application will try a number of times to reconnect with the database.

If the option **Report Status in Database Everytime Keep Alive Timer Triggers** is selected, the status of the connection is reported in the database each time the Keep Alive Timer sends a trigger to send a Keep Connection Alive message.

If the option **Report Status of Tasks** is selected, the status of the tasks (ok or not ok) is reported to the database.

Testing the Oracle Connection

The **Test Oracle** button allows you to check the validity of the database name, login and username you entered.

If these data are valid, then the following message appears next to the **Test Oracle** button: 'OK'.

If the login name or password is invalid, then a message box appears with the following message: 'ORA-01017: invalid username/password; logon denied'.

If the database name is invalid, then a message box appears with the following message: 'ORA-12154:TNS: could not resolve the connect identifier specified'.

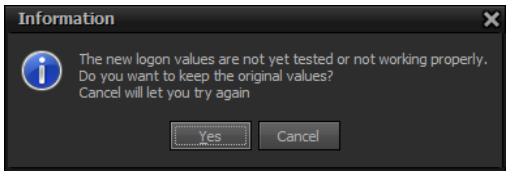
If you omit the password, then a message box appears with the following message: 'ORA-01005: null password given; logon denied'.

If you don't enter a database name, login and username, then a message box appears with the following message: 'ORA-12560: TNS: protocol adapter error'.

If the **Use Version Control** check box is selected, you can also check the software version of the application by clicking the **Test Oracle** button. If the software version is up-

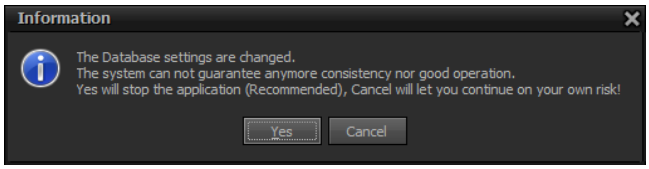
to-date, then the following message appears: ‘Actual – The Actual Version’. If the software version is outdated, then the following message appears: ‘Unknown Version Application! Please contact the EDP department.’

If you close the Settings window without testing the validity of the database name, login and username you just entered, then a message box appears.



If you click **Yes**, then the Settings window is closed and the original values are restored. If you click **Cancel**, then the Settings window doesn’t close and you can test the values by clicking the **Test Oracle** button.

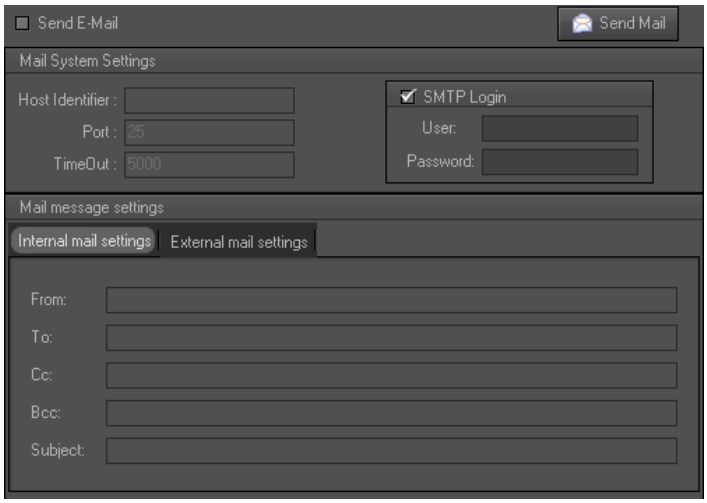
If you change the current database settings, test the connection and then close the Settings window, a message box will appear.



If you click **Yes**, the application is stopped and closed. A manual restart will be required. Click **Cancel** to continue.

7.3.3. E-Mail Options Tab

In case the application is capable of sending e-mail messages, the E-Mail Options tab will allow you to configure an e-mail account, enter the e-mail address of the default sender and recipients, and enter a default e-mail subject. If the application is not capable of sending e-mail messages, the settings in this tab cannot be used.



To be able to configure the e-mail account, you have to select the **Send E-Mail** check box. The fields in the Mail System Settings and Mail Message Settings group box become available.

Configuring an E-Mail Account

In the Mail System Settings group box you have to enter the IP address and port number of the SMTP server and specify a timeout. In the SMTP Login group box you can enter a user name and password.

Configuring a Default E-Mail Message

The Mail Message Settings group box contains two tabs: Internal Mail Settings and External Mail Settings.

The Internal Mail Settings tab can be used to configure a default e-mail message that will be sent to the EVS developers and the customer when an error occurs.

The External Mail Settings tab can be used to configure a default e-mail message that will be sent to the customer to notify him about an error. In each tab you have to enter the sender's email address, the email address of the various recipients and a subject. It should be noted that this tab is not always used.

When you insert multiple e-mail addresses in any of the header fields, make sure you separate them by a comma.

To test the settings and manually send an e-mail message, click the **Send Mail** button.

For the new settings to take effect, close and restart the application. Check the TOM.ini file in the installation folder of the application for the e-mail addresses and subject entered here.

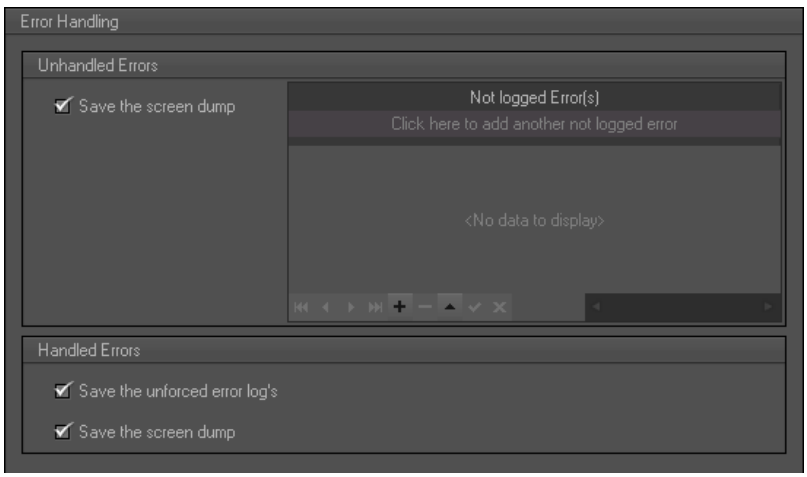
```
[General]
TemporaryFiles.Text=edtTemporaryFilesDir
EmailWanted.Checked=0
Port.Text=25
HostID.Text=
TimeOut.Text=5000
SMTPLogin.Checked=1
MailUser.Text=
MailPasswd.Text=y1cWaD8bS1hdK17uHq8knw==
MailPasswdUnicode.Text=79CJGqDro/FCD6AsFhtZkw==
MailFrom.Text=
MailTo.Text=
MailCc.Text=
MailBcc.Text=
MailSubject.Text=
ExternMailFrom.Text=
ExternMailTo.Text=
ExternMailCc.Text=
ExternMailBcc.Text=
ExternMailSubject.Text=
cbSaveScreenDumpUnHandledErrors.Checked=1
cbSaveUnforcedErrors.Checked=1
cbSaveScreenDumphandledErrors.Checked=1
cbAutomaticLogin.Checked=0
cbUseknownDatabase.Checked=0
cbUseThisLogin.Checked=0
chkKeepConnectionAlive.Checked=0
chkTryToReconnect.Checked=0
```

7.3.4. Global Password Tab

The Global Password tab allows you to set a password that the superuser(s) has/have to enter to be able to edit the Global settings of the application, if any. To apply the password, you have to click the **Apply** button.

7.3.5. Error Handling Tab

The Error Handling tab is used to configure the error handling by the application. This tab will only be used by the EVS administrator.



Handling Unhandled Errors

If the **Save the Screen Dump** check box is selected, a screenshot is taken of an unhandled error message and stored in the database and in a folder on the computer where the application is installed. In the Not Logged Error(s) panel, errors can be typed for which no log was created. By default, this check box is selected.

Handling Handled Errors

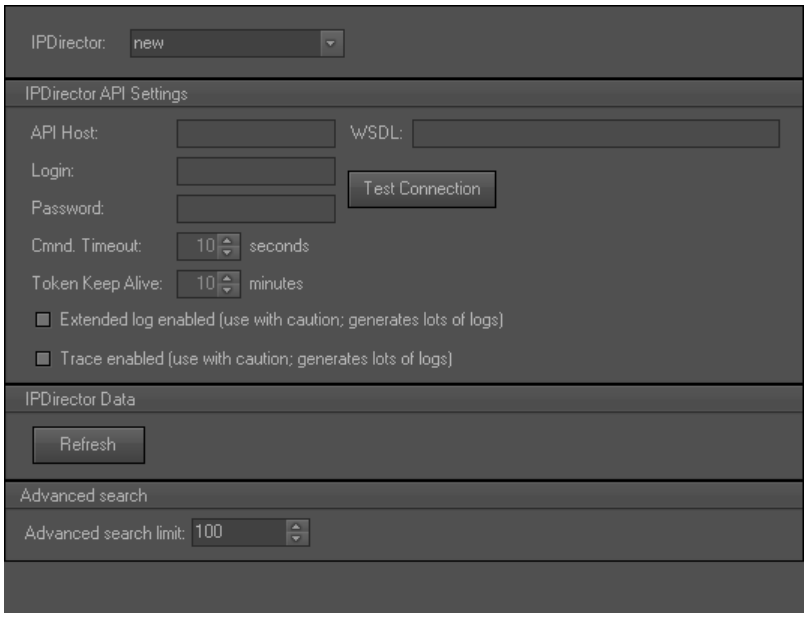
If the **Save the Unforced Error Log's** check box is selected, the log of the error is saved in the database and in a folder on the computer where the application is installed. By default, this check box is selected.

If the **Save the Screendump** check box is selected, a screenshot is taken of the error message and stored in the database and saved in the same folder as where the error log is kept. By default, this check box is selected.

7.3.6. IPDirector API Tab

The IPDirector API tab contains the settings that configure the connection with the IPDirector SOAP API.

NEW ! Most of these settings are read-only. They can only be configured in the Configurator application.



If your setup has multiple IPDirectors, you have to select the right IPDirector from the **IPDirector** field. The corresponding API connection settings will appear. If your setup has only one IPDirector, it will be automatically selected.

The IPDirector API Settings group box contains the data the application needs to be able to communicate with the IPDirector API:

- **API Host**: The IP address or hostname of the server that hosts the IPDirector API.

- **Login**: The login necessary to log into the IPDirector API.
- **Password**: The password necessary to log into the IPDirector API.
- **WSDL**: The path to the IPDirector API .wsdl file. This path is is automatically calculated on the basis of the IP address of the server that hosts the IPDirector API.

A **Test** button is provided allowing you to test the connection with the IPDirector API. If all data is correct, the message 'Connected' will appear. Otherwise, the message 'Connection Failed' will appear.

The **Cmnd. Timeout** field contains the number of seconds the application will wait while IPDirector attempts to execute a command, before canceling the attempt and generate an error. By default, a time interval of 10 seconds is set.

By default, the API maintains a session for 1 hour. After a period of no activity, the session expires automatically. The **Token Keep Alive** field contains a time interval after which the session timeout is reset to prevent the session from timing out. By default, this is after 10 minutes.

If the option **Extended Log Enabled** is selected, additional information will be inserted in the application logs. For example, the API messages and parameters sent by the SOAP API client (= the application). By default, this option is not selected.

If the option **Trace Enabled** is selected, even more detailed information will be inserted in the application logs. For example, the entire SOAP messages sent between the SOAP API client (= the application) and the SOAP API server (= IPDirector API). By default, this option is not selected.

If in IPDirector the archive or restore process bins have been deleted and recreated, or if another metadata profile has been selected, or if the name of metadata userfields has been modified, the **Refresh** button in the IPDirector Data group box enables you to retrieve the updated data without leaving the settings. Once the updated data is imported, you still have to select the right metadata profile, bins and metadata userfields.

Deep Archive Sync searches the IPDirector database for clips using IPDirector API calls. Multiple API calls are necessary to be able to retrieve all clips. In the Advanced Search tab you specify the maximum number of clips that should be returned with each IPDirector API call. By default, this is set to 100 clips.

7.3.7. IP2Archive Bins Tab

Deep Archive Sync will check the status of the clips in the archive and restore process bins in IPDirector. If the status of these clips changes because of the synchronization process, it will move the clips to the bin that corresponds to their new status.

This tab displays the archive and restore process bins in IPDirector that are scanned by Deep Archive Sync.

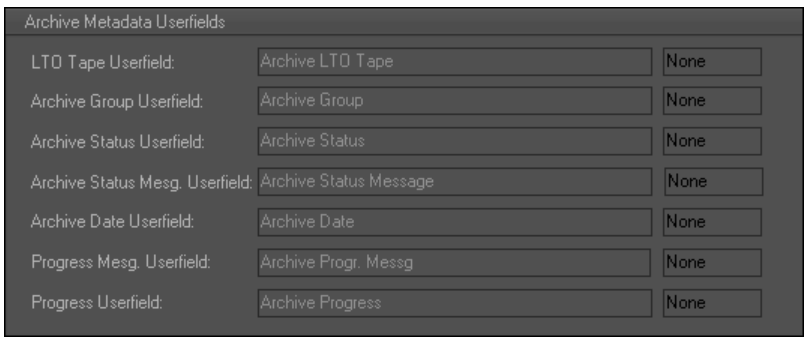
These settings are read-only. They can only be configured in the Configurator application.

7.3.8. IP2Archive Metadata Tab

Deep Archive Sync will compare and synchronize the archive metadata of particular clips in the IP2Archive database with the archive metadata of these clips in the IPDirector or DIVArchive database. This archive metadata is linked to these clips in IPDirector by means of specific userfields. For example, Archive Status, Archive Progress, etc. The userfields are linked to one or more metadata profiles.

The IP2Archive Metadata tab displays the name of the IPDirector metadata profile and the name of the userfields whose content Deep Archive Sync has to update. The type of each userfield is also displayed, for example text, combo box, date.

The metadata profile and the userfields cannot be changed. They have been configured in the Configurator application.



7.3.9. DIVA Tab

The DIVA tab contains the settings that configure the connection with the DIVA API.

These settings are read-only and can only be modified in the Configurator application.

In the **Manager** field, the name of the DIVA Manager is selected Deep Archive Sync has to communicate with through the DIVA API.

In the API Connection group box the IP address and port number of the machine on which the DIVA API is running are displayed.

A **Test** button is provided to test the connection with the DIVA API.

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