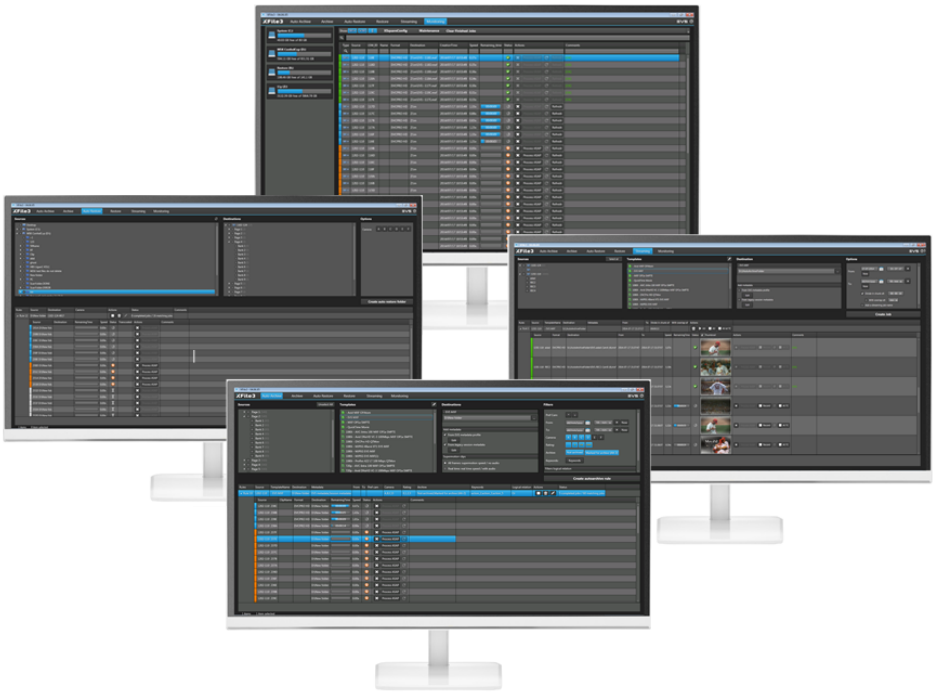
USER MANUAL

Version 5.4 - February 2020



XFILE 3

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Table of Contents

What's New

The sections updated to reflect the new and modified features in XFile3 version 5.4 are listed below.

Software Requirements

Windows 7 is no more supported.

- See section "Hardware and Software Requirements " on page 3.

1. Product Description

XFile3 is the fastest way to move and exchange media files from and to the EVS servers during live production. It allows users to backup, transform and restore the content, in any format and from multiple destinations, and deliver every angle of content in native formats directly to transportable media or connected circuits for remote production. The possible integration of the C-Next Contribution through the C-Next Connected Agent make distant locations available for file archive and restore.

Operators can monitor and manage all file transfers from one easy interface, giving them complete control and visibility of the content across its lifecycle.

The key features of XFile3 are:

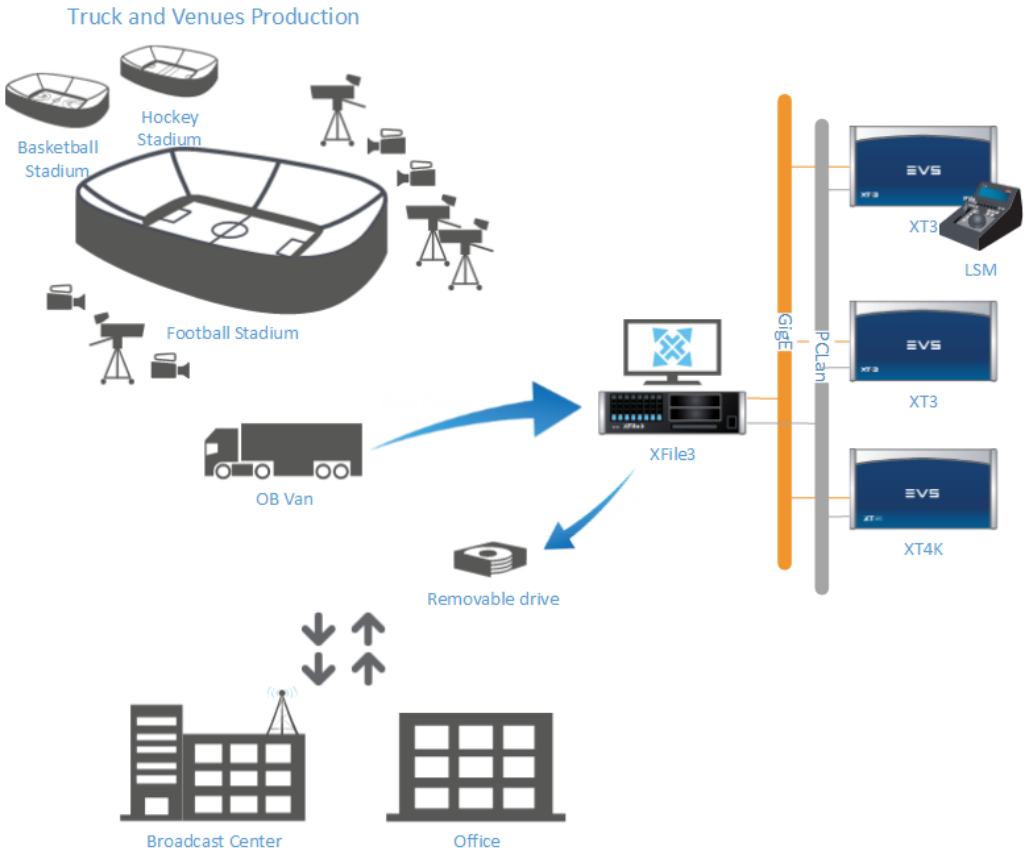
- Auto-Archive and Auto-Restore of media files between EVS servers and transportable files.
- Manual transfer from/to server via Archive and Restore workflows.
- Files management via Media Manager area.
- Monitoring of all file transfers.
- On-the-Fly transcoding of media files to industry file wrappers, metadata and codecs.
- Connected Live workflow enabled by C-Next.

The main users for XFile3 are:

- LSM operators
- Producers and LSM operator assistants
- Technical truck engineers
- Media managers.

Specific modes, based on dedicated license codes, give access to a restricted list of features:

- Streaming only mode (this replaces the former XFlyStreamer product)
- AutoArchive and Manual Restore only mode (this replaces the former Xtract product).
- Media Manager only mode, also called XFile Lite Media Manager mode. Refer to the XFile Lite user manual.


Truck and Venues Production
Basketball Stadium
Hockey Stadium
Football Stadium
OB Van
XFile3
GigE
PCLan
XT3
LSM
XT3
XT4K
Removable drive
Broadcast Center
Office

2. Getting Started

2.1. Installation

2.1.1. Hardware and Software Requirements

Hardware Requirements

XFile3 can be installed on the following hardware:

- XFile3 Hardware (REF: XF3-2U-4, XF3-2U-2 and XF3-3U-2)

Operating System

- Windows 10 64 bits
- Windows Server 2008 R2 SP1 64 bits

Workflow Requirements

- It is advised to verify that the Xsquare services are fully running before launching XFile3 software.

2.1.2. Licenses Management

Licenses List

XFile3 Licenses Codes

License keys must be imported to XSecure. See section "Activating the Licenses in XSecure" on page 5 for the procedure to request and import license codes.

The list of license available codes is given hereafter.

Application	Module	Summary
10 XFile	10 - Full Package	Full version of the XFile3 application.
10 XFile	20 - Streaming only	Only the Streaming tab will be displayed.

Application	Module	Summary
10 XFile	30 - AutoArchive and Manual Restore only	Only the Auto Archive tab and the Restore tab will be displayed.
10 XFile	50 - XFile Lite: Media Manager only	Only the Media Manager tab will be displayed.

XFile3 Working Modes

XFile3 may work according to different modes, depending on the license codes in XSecure.

Some features of the XFile3 full package are not available in the restricted modes. This is specified in the corresponding sections of the current manual.

Full Package Mode

If **key 10** is present and valid, the full package is loaded when XFile3 is started, would keys 20 and 30 coexist or not.

Streaming Only Mode

If only **key 20** is present and valid, only the Streaming tab is displayed.

NOTE

If the code previously used for XFlyStreamer (170-10) had been imported as permanent, it remains active.

AutoArchive and Manual Restore Only Mode

If only **key 30** is present and valid, only the Auto Archive tab and the Restore tabs are displayed.

NOTE

If both keys 20 and 30 are present and valid, the user is asked to choose the mode to work with.

XFile Lite: Media Manager Only Mode

NOTE

It will not be possible to install XFile Lite on a workstation where Xsquare is installed.

If **key 50** is present and valid, only the Media Manager tab is displayed.

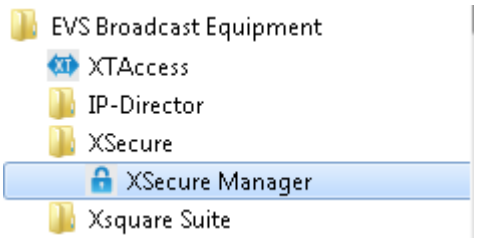
Refer to the XFileLite user manual.

Activating the Licenses in XSecure

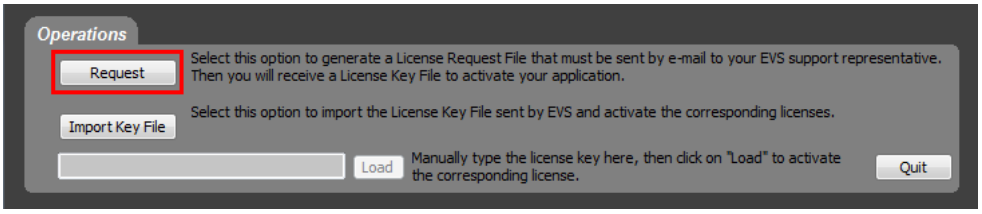
The XSecure application is included in the installation package to allow you to install XSecure shouldn't it already be installed.

To activate the XFile3 license in XSecure, proceed as follows:

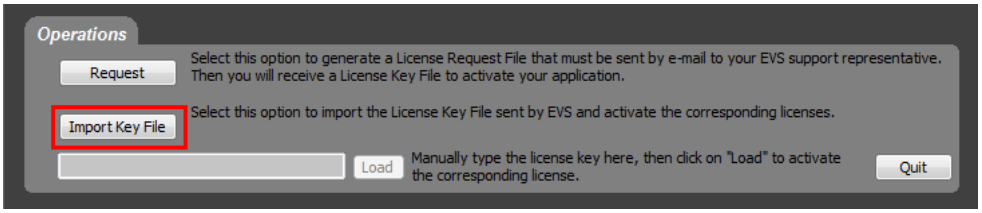
1. In the **Start** menu, select **Evs Broadcast Equipment > XSecure > XSecure Manager** to launch the XSecure application:



2. In XSecure, click the **Request** button in the **Operation** area at the bottom of the main window.



3. Store the .xml file generated by XSecure on your desktop and send it to the EVS Support.
4. When you receive the file containing the license key from the EVS Support, open XSecure and click the **Import Key File** button in the **Operation** area:



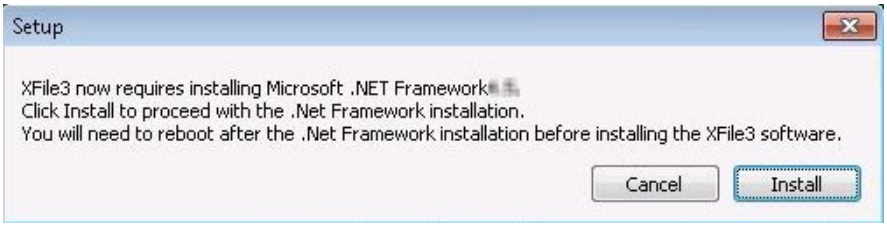
5. Select the file you have received and click **Open**.

The license key number is imported into XSecure, and the new license module is displayed in the **License List** area in XSecure.

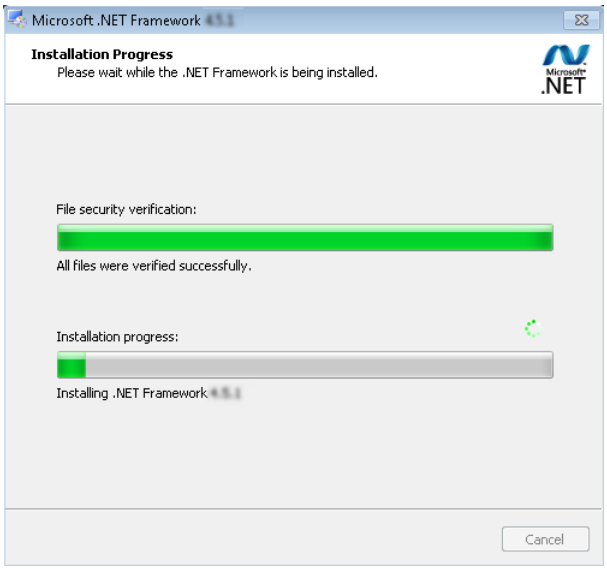
2.1.3. Software Installation

Microsoft .NET Framework Installation

1. Run XFile3 installation package.
   - If the computer has been installed with Microsoft .NET Framework 4.6.1, the procedure directly goes to XFile3 Installation. See section "XFile3 Installation" on page 8.
   - Otherwise, Microsoft .NET Framework 4.6.1 will be installed prior to installing XFile3 application:



2. Click **Install** to proceed with Microsoft .NET Framework installation, and wait a couple of seconds until installation is complete.



3. Click **OK** to the following message to manually restart the computer and proceed with XFile3 installation.

XFile3 Installation

WARNING

XFile3 version 5.0 is the first version in 64-bit.

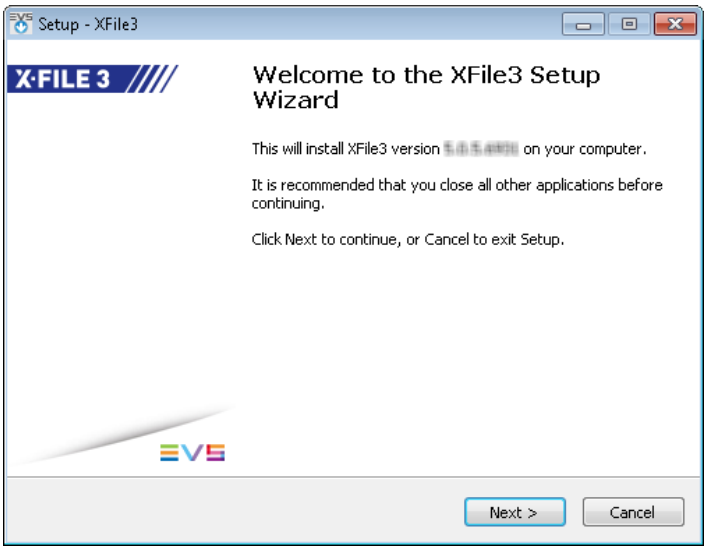
- Versions 5.x are not compatible with previous 32-bit versions. The 32-bit (4.15 and older) versions and 64-bit version (≥ 5.0) of XFile3 should not be installed on the same workstation.
- XFile3 version 5.x installer will first remove any previous version of XFile3 and the dependencies before installing the new version.
- If you want to downgrade to an older version of XFile3, you will have to uninstall XFile3 version 5.x.
  To do so,
  a. First close XTAccess, XSquare and XFile3 applications.
  b. Then, use the Windows **Uninstall Programs** option to uninstall XFile3 version 5.x.
  c. Install the older version of XFile3.

To install XFile3,

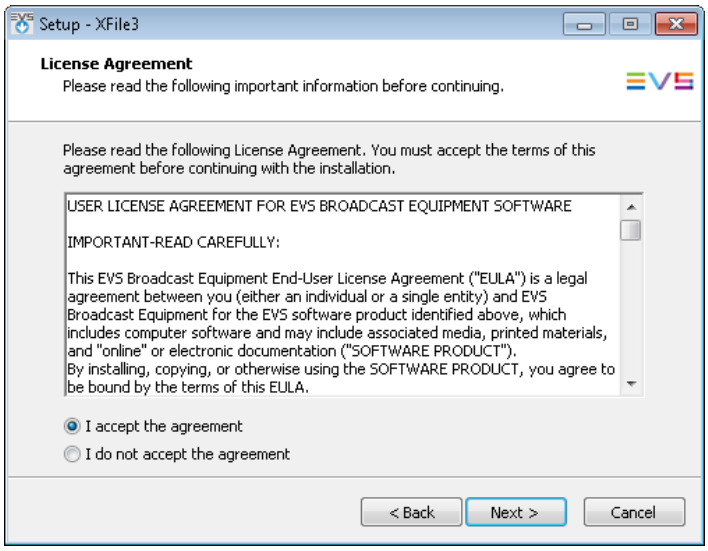
1. Run XFile3 installation package.

   The XFile3 Setup wizard opens.

2. In the Welcome window, click **Next**.

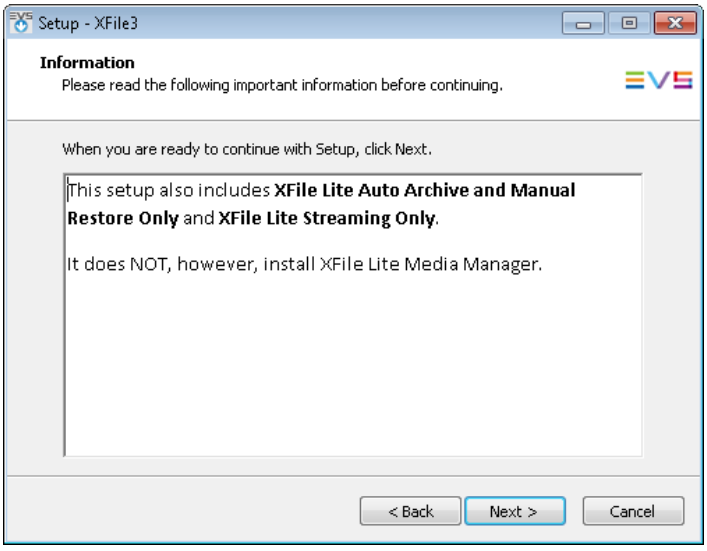


3. In the License Agreement window,
   a. select **I accept the agreement**.

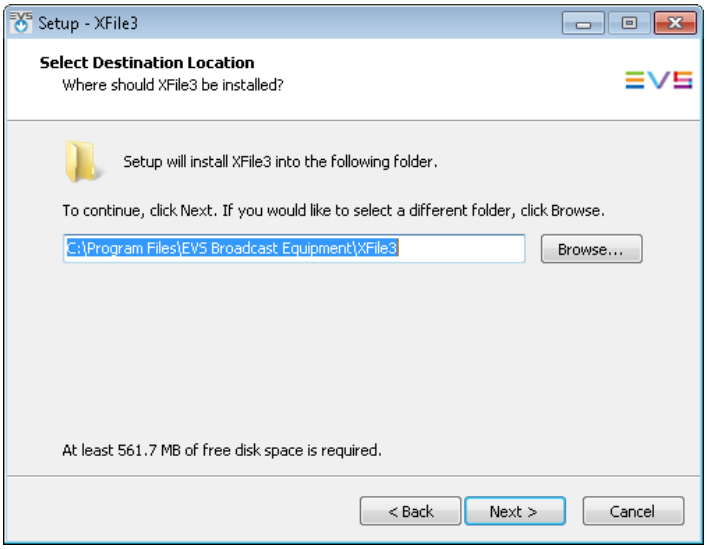


   b. Click **Next**.

4. In the Information window, click **Next**.



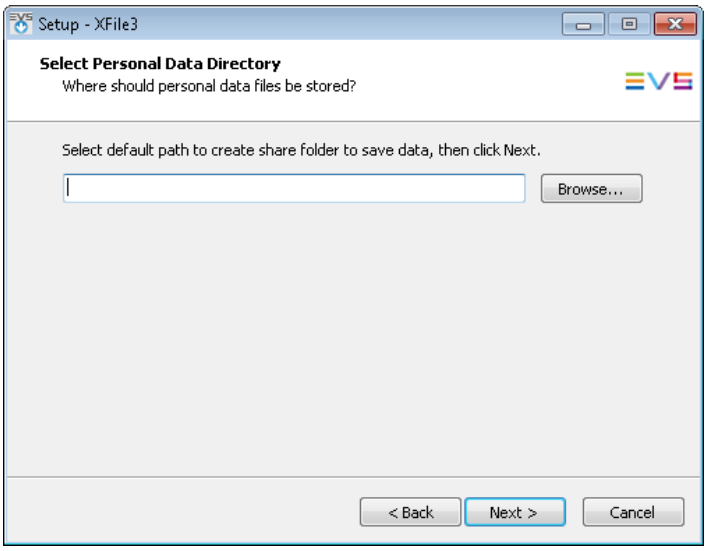
5. In the Select Destination Location window, the installer proposes a default path for the installation: `C:\Program Files\EVS Broadcast Equipment\XFile3`



   a. (optional) Click **Browse** and select another destination directory to install the new software application.

   b. Click **Next**.

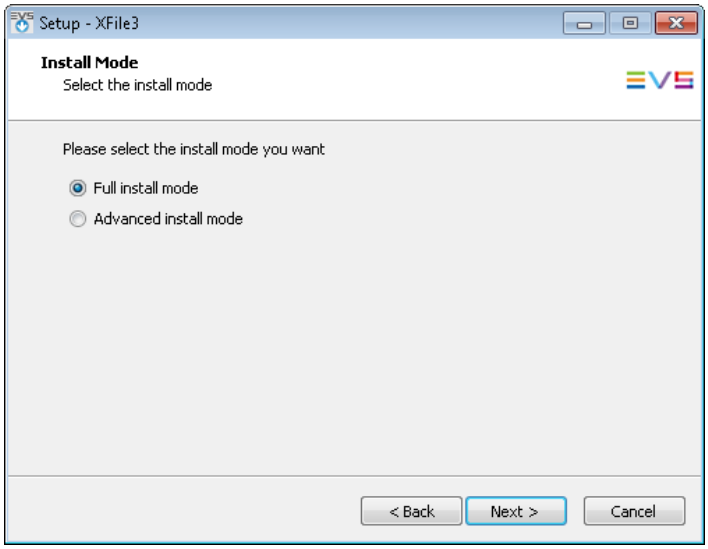
6. In the Select Personal Data Directory window,



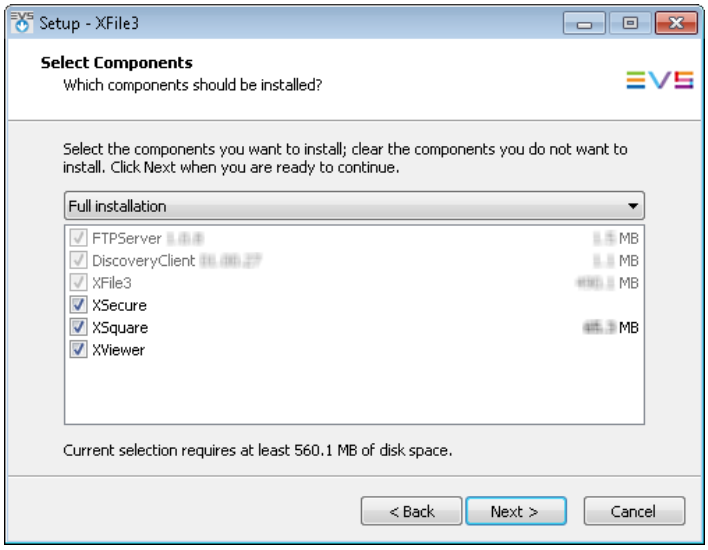
   a. (optional) Click **Browse** and select the path where streamed files will be stored by default.

   b. Click **Next**.

7. In the Install Mode window,
   a. Select the installation mode:
      - a full installation in silent mode (proceed with step 9).
      - an advanced installation with manual selection (proceed with step 8).

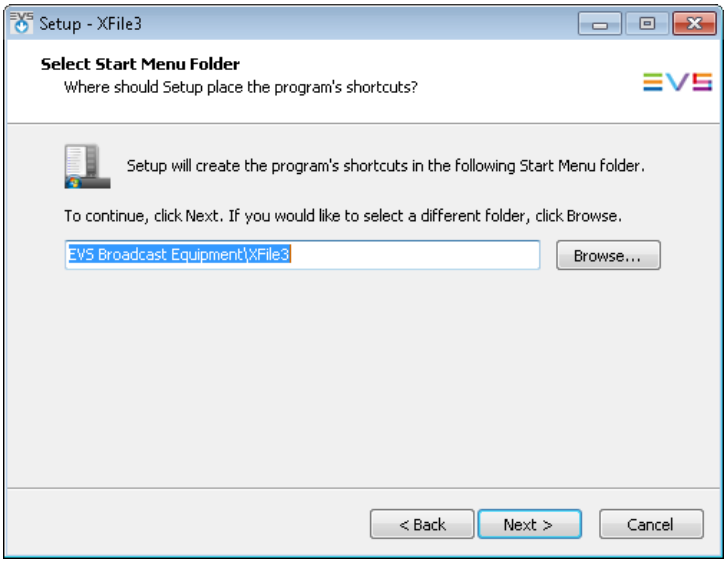


   b. Click **Next**.
8. In Advanced install mode,
   a. Select the components to install from the Select Components window:



      If you need to update XFile3 only, clear the other components.
   b. Click **Next**.

9. In the Select Start Menu Folder window,the installer proposes a default path for the installation: `\EVSBroadcast Equipment\XFile3`.

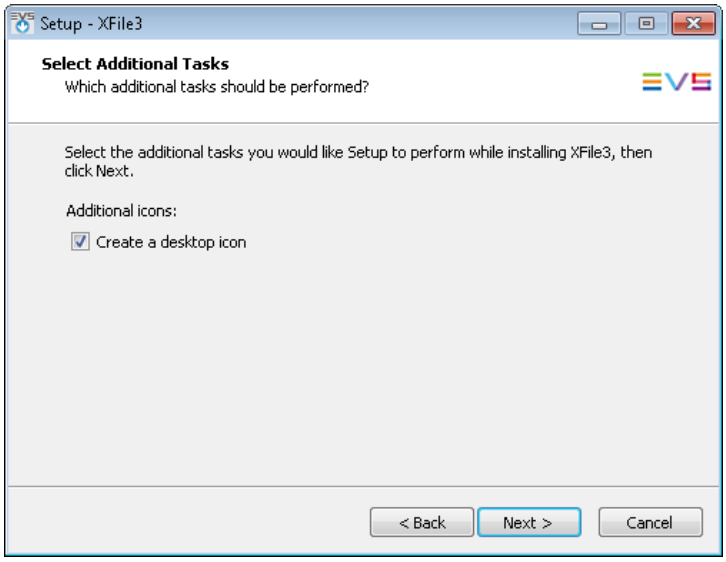


   a. (optional) Click **Browse** and select another folder in which XFile3 shortcuts will be saved.

   b. Click **Next**.

10. In the Select Additional Tasks window,

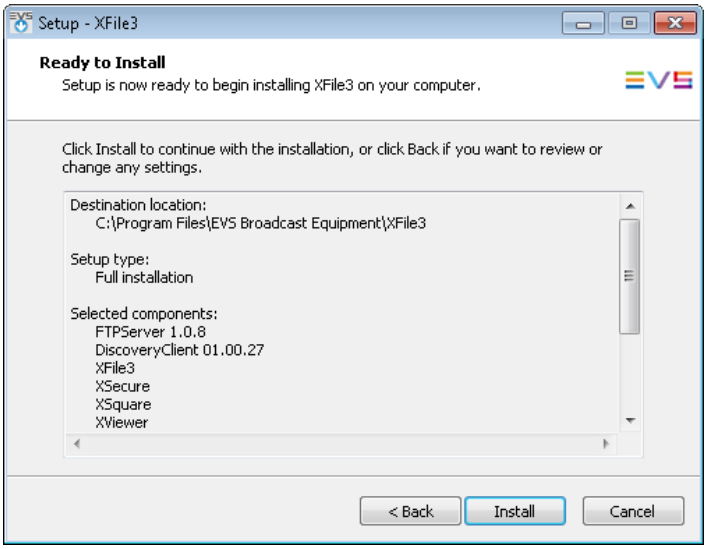
   a. Select **Create a desktop icon** to create a shortcut on the desktop.



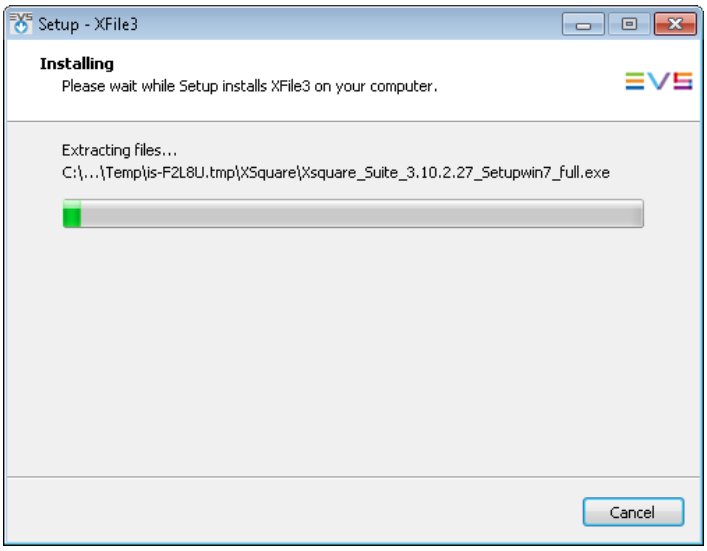
   If it is not selected, the shortcut will not display on the desktop.

   b. Click **Next**.

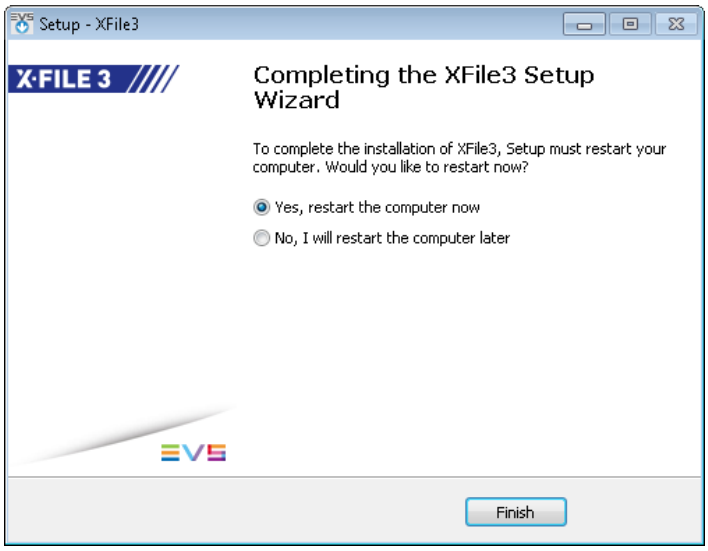
11. In the Ready to Install window, click **Install**.



The installation is launched:



12. To complete the XFile3 installation, the computer needs to be rebooted.
    a. Select **Yes**.



    b. Click **Finish**.

2.2. Starting and Closing XFile3

2.2.1. Starting XFile3

How to Start XFile3

To start XFile3, double-click the XFile3 shortcut icon on the desktop:

The startup sequence will check the status of the background Xsquare services.

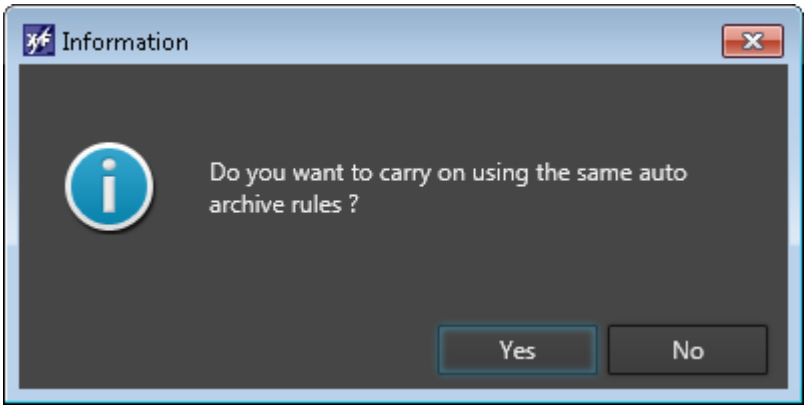
At first startup, the EVS video servers from the same network as the XFile3 host computer will be discovered. Afterwards, all the servers which had been selected from the Settings > Server Discovery tab during the previous session will be displayed.

In case the local XTAccess is not associated with the local Xsquare, the association is automatically created when XFile3 starts.

In Full Package mode, the Auto Archive tab is selected by default at startup.

What Happens when AutoArchive Rules Have Already been Created

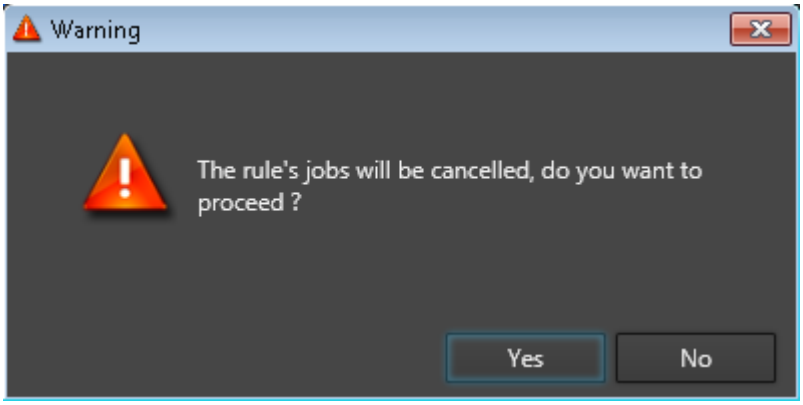
In Full Package mode, when you start XFile3 after auto-archive rules have been created in a previous session, the following message is displayed:



- Click **Yes** to use the defined auto archive rules.

  Rules are paused.

- Click **No** to clear the existing auto archive rules and start without any rule.
  - If no job is running or scheduled by the rules, the existing auto archive rules will be removed.
  - If some jobs are running or scheduled by the rules, the following message is displayed:



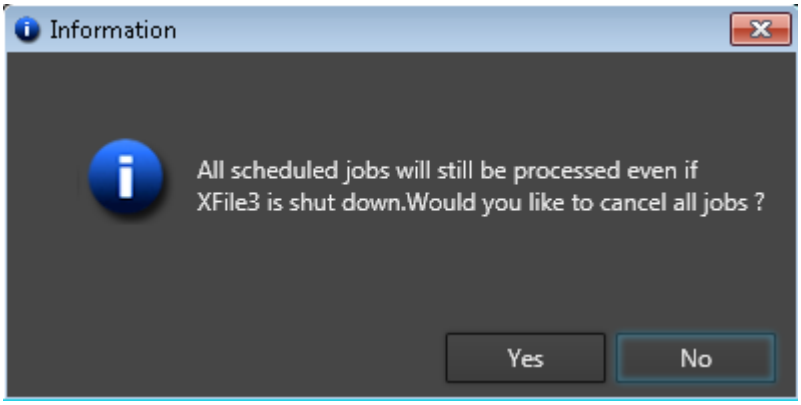
Click **Yes** to cancel all the existing jobs and rules and open XFile3.

Click **No** to open XFile3, the old rules and jobs will still exist.

2.2.2. Closing XFile3

Click  to shut down the XFile3 application.

In case jobs are running or scheduled, the following message is displayed:



- Click **Yes** to cancel all the jobs.
- Click **No** so scheduled and running jobs will still be processed in background after shutdown.

2.3. Settings

Accessing the Settings Window

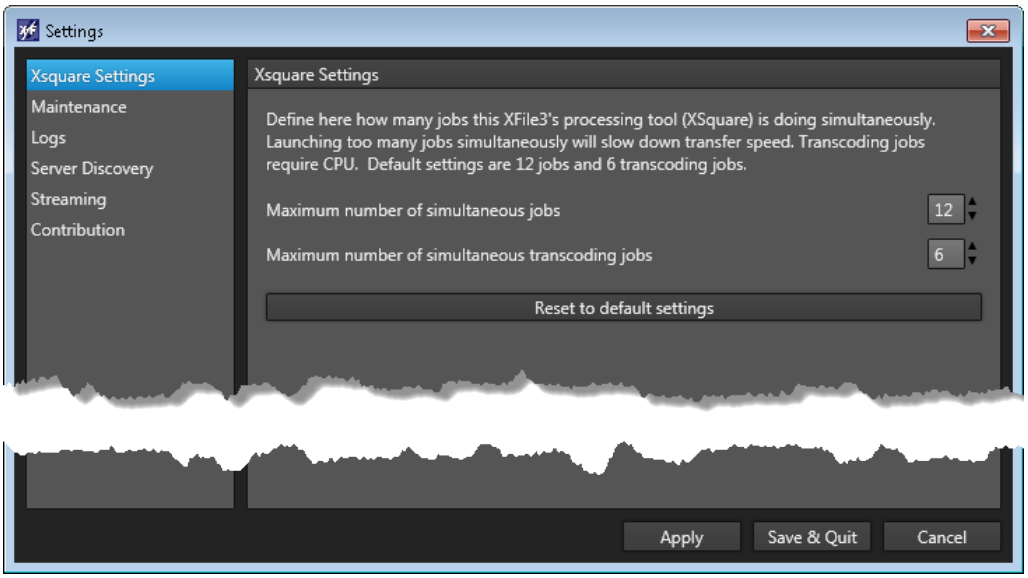
To access the Settings window, click  at the top right of the XFile3 window.

The Settings window contains several tabs.

Once the configuration is done, save it:

- Click **Apply** to save and stay on the Settings window.
- Click **Save & Quit** to save and exit the Settings window.

Xsquare Settings



Maximum Number of Simultaneous Jobs

This option is used to set the number of jobs Xsquare can process simultaneously.

Default value: 12.

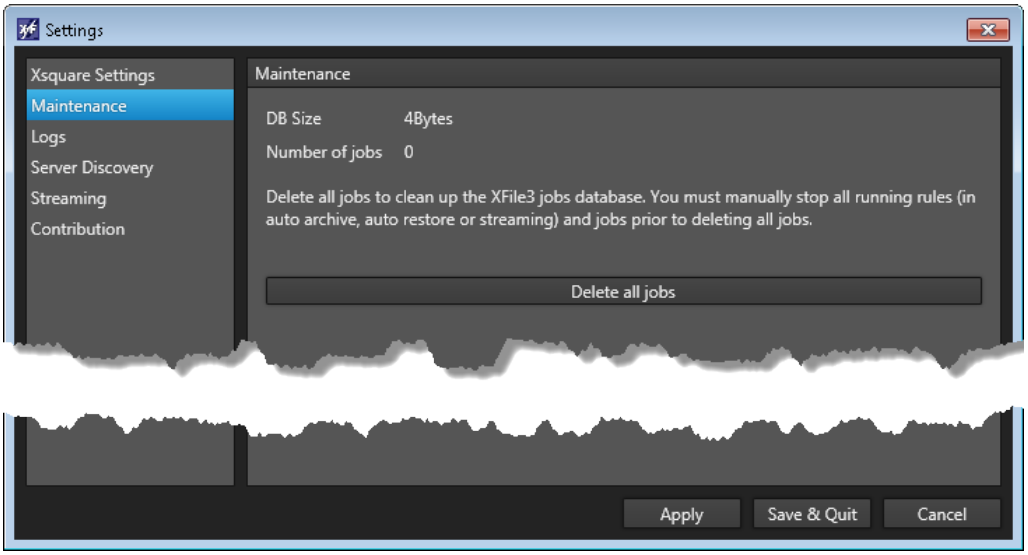
Maximum Number of Simultaneous Transcoding Jobs

This option is used to set the number of transcoding jobs Xsquare can process simultaneously.

Default value: 6.

Maintenance

This tab displays the size of the database and the number of jobs performed. It is also used to delete all the jobs from the XFile3 database.

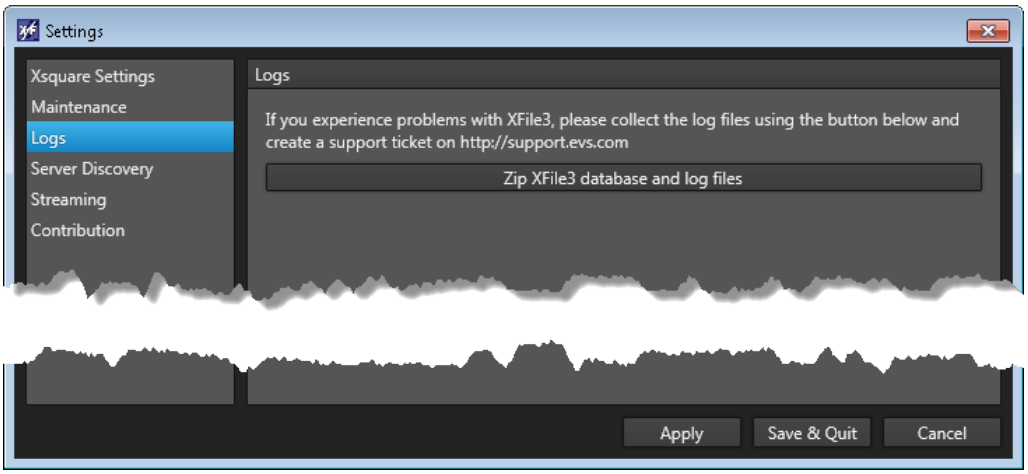


XFile3 will restart after deleting all the jobs.

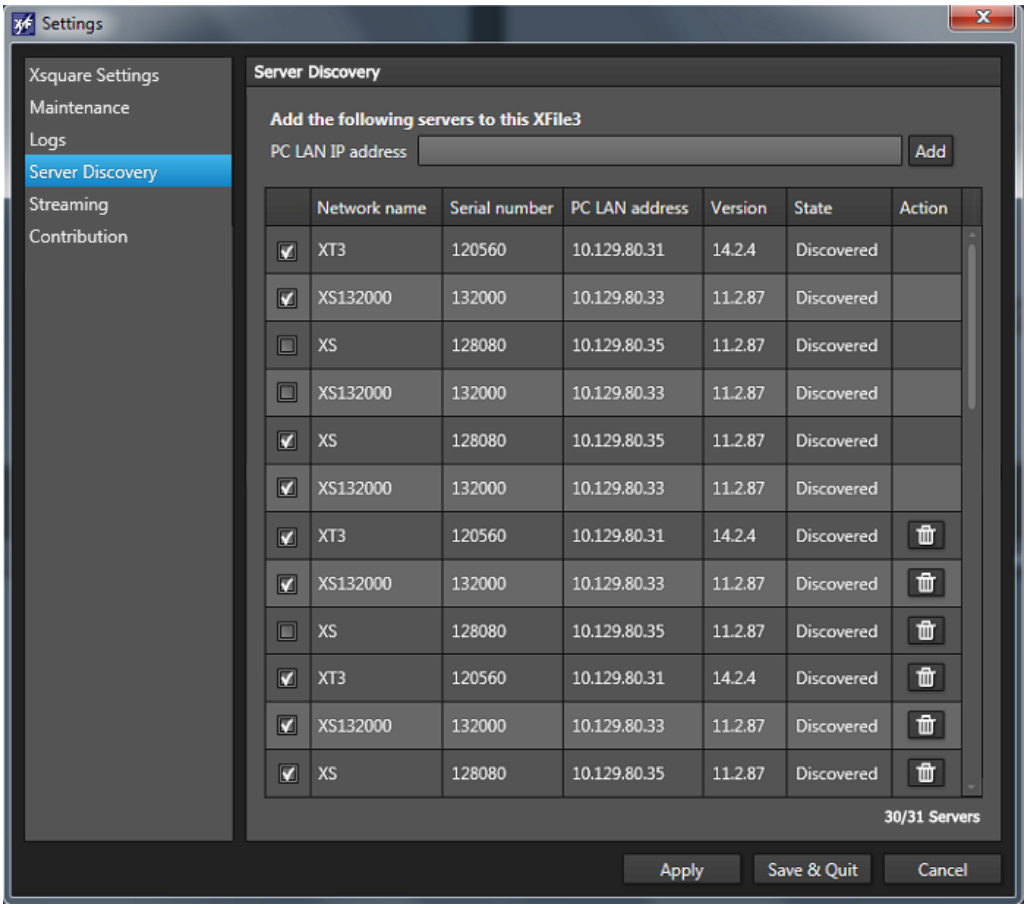
XFile3 cannot delete all the jobs when some rules are used in the Auto Archive, in the Auto Restore or in the Streaming tab. You have to manually stop all the rules in those three tabs before deleting all the jobs.

Logs

This tab is used to create a log file when you encounter problems and you want to submit logs to EVS support.



Servers Discovery



EVS video servers in the same VLAN as XFile3 are automatically discovered by the LinX protocol and displayed in the Servers Discovery tab. However, it is possible to manually discover EVS servers outside the range of IP addresses. More than 31 servers can be displayed in the Servers Discovery tab even if the LinX protocol is not able to discover more than 31 servers.

Then, you will have to select the servers you want to see in XFile3 tabs. You will not be allowed to select more than 31 servers.

How to Manually Discover a Server

To manually discover a server in a VLAN different than XFile3,

1. In the **PC LAN IP Address** field, enter the IP address of the server you want to discover.
2. Click **Add**.

   The server is listed in the Servers list.

How to Select Servers to work with in XFile3

To select the servers you want to see in the different Servers lists of XFile3 tabs,

1. Tick the check boxes next to the server names.

   This can be a mix of servers automatically discovered and servers manually added.
2. Click **Save & Quit**.

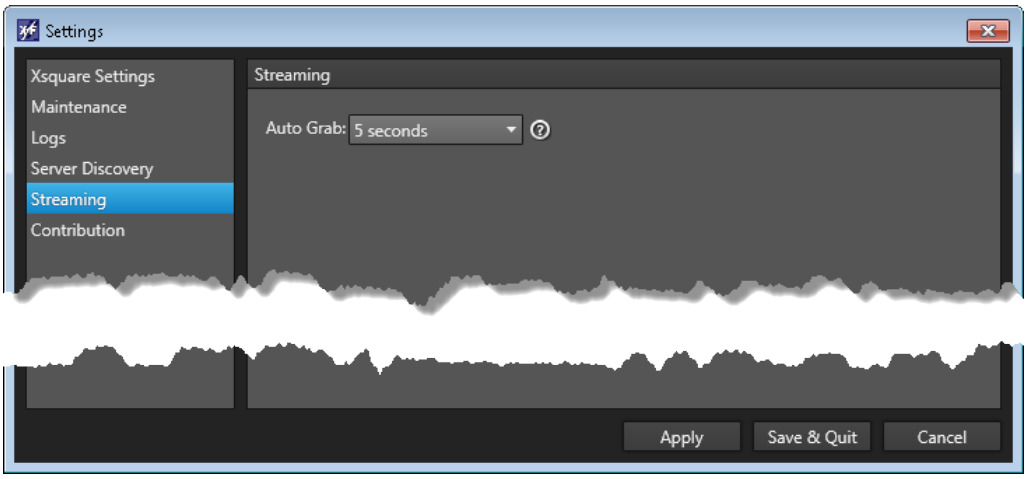
How to Remove a Server Manually Added from the List

The list of added servers is stored locally, so that it is remembered each time the application opens again, until the user manually removes the servers from XFile3 settings. Servers automatically discovered cannot be removed from the list of the Servers Discovery tab.

To remove a manually added server from the list,

1. Click  next to the server in the Servers Manually Added to this XFile3 list to remove it.
2. Click **Save & Quit**.

Streaming

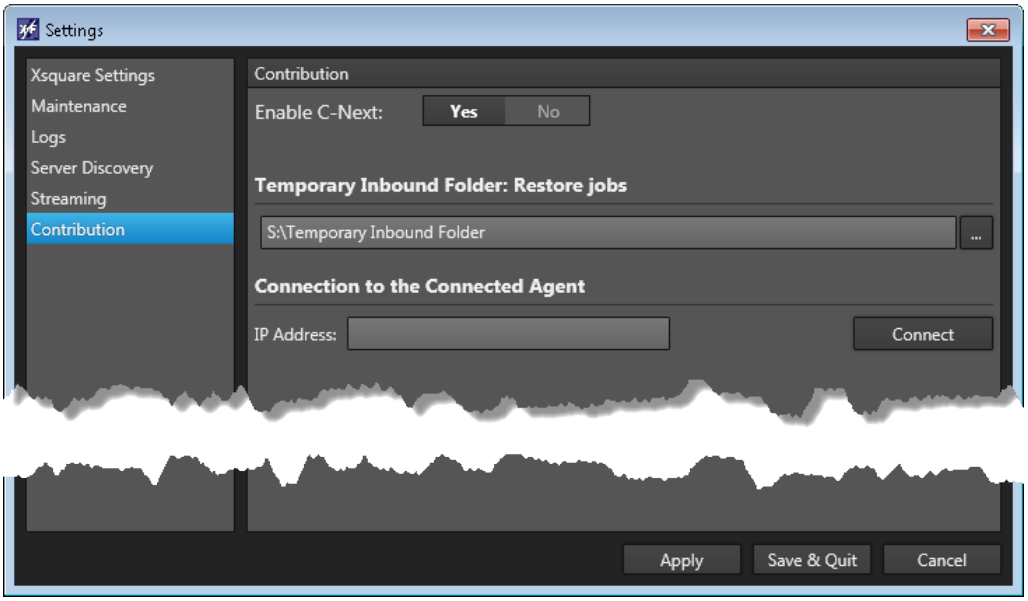


To display thumbnails during streaming, XFile3 grabs recorder frames at regular intervals. This tab is used to set the grab periodicity.

This function requires CPU and can decrease performance.

Possible Values: **Disable Auto Grab**, **5 seconds**, **10 seconds**, **60 seconds**.

Contribution



This tab is used when you want to work with C-Next.

1. Click **Yes** next to **Enable C-Next**.
2. Define the temporary inbound folder that will be used to temporarily store files during the Restore and AutoRestore jobs:
   a. Click ... next to the **Temporary Inbound Folder** field.
   b. Select a folder.

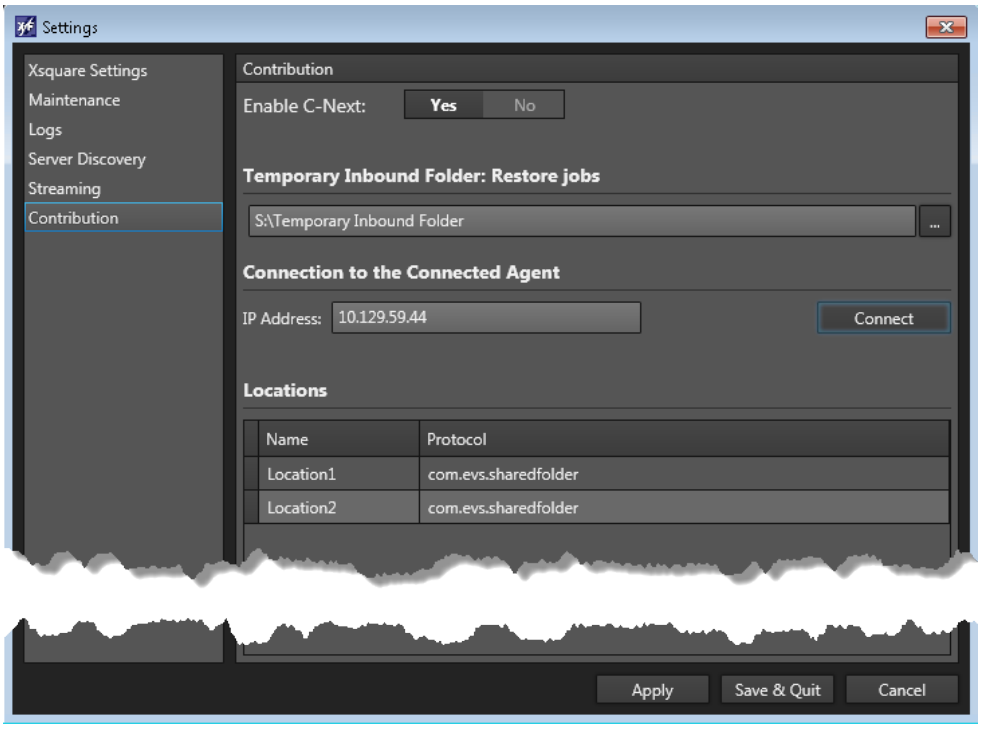
NOTE

- It is recommended not to use C:\.
- Once a temporary inbound folder has been selected, the field cannot be deleted but only changed.

3. Enter the IP address of the Connected Agent.

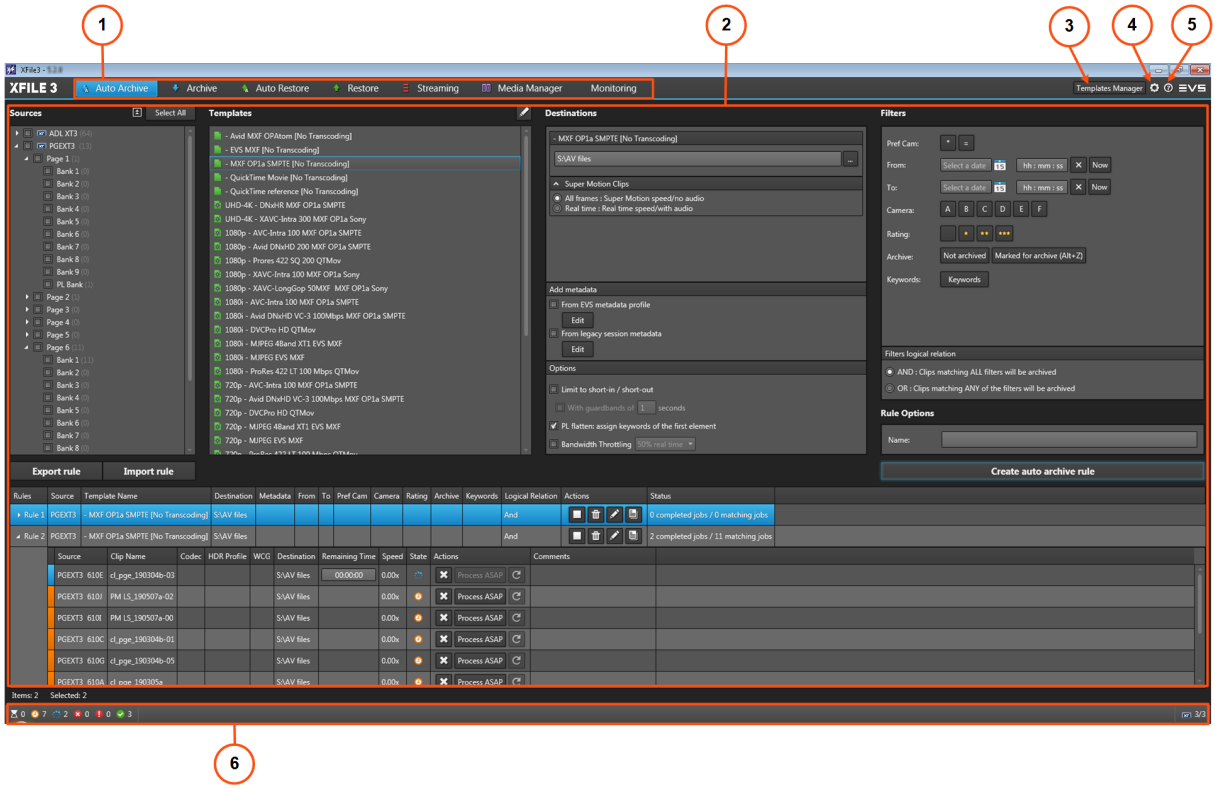
4. Click **Connect** to check the connection.

   The locations configured on the Connected Agent are retrieved and listed:



3. Overview of the Main Window

When XFile3 is started in Full Package mode, the user interface contains the following main areas:



When used with C-Next, some differences will be observed. See section "C-Next Contribution Mode" on page 165.

Tabs (1)

In the XFile3 Full Package, several tabs are available for the different modes that the user could be working in.

With the Streaming only mode and the AutoArchive and Manual Restore only mode, only some of the tabs are displayed, as specified hereafter.

Tab	Usage
Auto Archive	This tab is used to create auto backup rules for the automatic archiving of source clips from the requested servers to archive hard drives. See section "Creating and Applying Auto Archive Rules" on page 26.
Archive	This tab is used to manually archive the source clips and playlists from the requested EVS video servers to the predefined destinations with the requested formats. See section "Defining and Applying Archive Jobs" on page 50.

Tab	Usage
Auto Restore	This tab is used to automatically restore all source clips from the defined folder path to the EVS video servers based on the predefined rules. See section "Creating and Applying Auto Restore Rules" on page 63.
Restore	This tab is used to manually restore clips from a hard drive to any EVS video server on the network. See section "Defining and Applying Restore Jobs" on page 72.
Streaming	This tab is used to archive the source record trains from the requested EVS video servers in the requested formats. The end result is the same as backing up a clip, however this can be performed simultaneously to the LIVE ingest process. See section "Defining Streaming Jobs and Recording Streams" on page 87.
Media Manager	This tab is used to compare the content of two different storage locations and to perform clip/file maintenance. See section "Managing Media" on page 112.
Monitoring	This tab is used to see all the available hard drives and all the jobs initiated from XFile3. See section "Monitoring Jobs" on page 145.

Work Area (2)

Depending on the selected tab, different panes will be displayed to perform the required job type. See the different chapters of the current manual.

Template Manager (3)

The **Template Manager** button gives access to the Template Manager tool.

The tool is used to manage the list of templates available in those tabs.

The tool is available from the Auto Archive tab, the Archive tab, the Streaming tab and the Media Manager tab, only with the XFile3 Full Package mode.

See section "Managing Templates" on page 136.

Settings Button (4)

The **Settings** button  gives access to the Settings window, from which various general parameters are defined: Xsquare settings, jobs maintenance, logs file creation, manual server discovery, streaming setting.

In the XFile3 Full Package, a Contribution tab is used for the configuration of the Contribution with C-Next.

See section "Settings" on page 16.

Help Button (5)

The **Help** button gives access to a window with the XFile3 version number and support phone numbers, a link to the XFile3 user manual, and a link to the terms of use.

Status Bar (6)

Job Status

The Status bar gives the total number of jobs for each job status (Waiting, Scheduled, Running, Canceled, Failed, Completed), irrespective of transfer types (tabs).

It is only displayed in Full Package mode.

Number of Connected EVS Servers

To the right of the Status bar, a read-only information shows

- the number of EVS servers selected from the Settings to work with XFile3, and
- the total number of EVS servers discovered.

See the Server Discovery tab in section "Settings" on page 16 for more information.

4. Creating and Applying Auto Archive Rules

4.1. Overview of the Auto Archive Tab

Purpose

The Auto Archive tab is selected by default at startup.

It is used to create auto archive rules for the automatic archiving of clips or playlists from the requested servers to selected local destinations. Specific filters may be set in the rule to refine the list of clips to be archived.

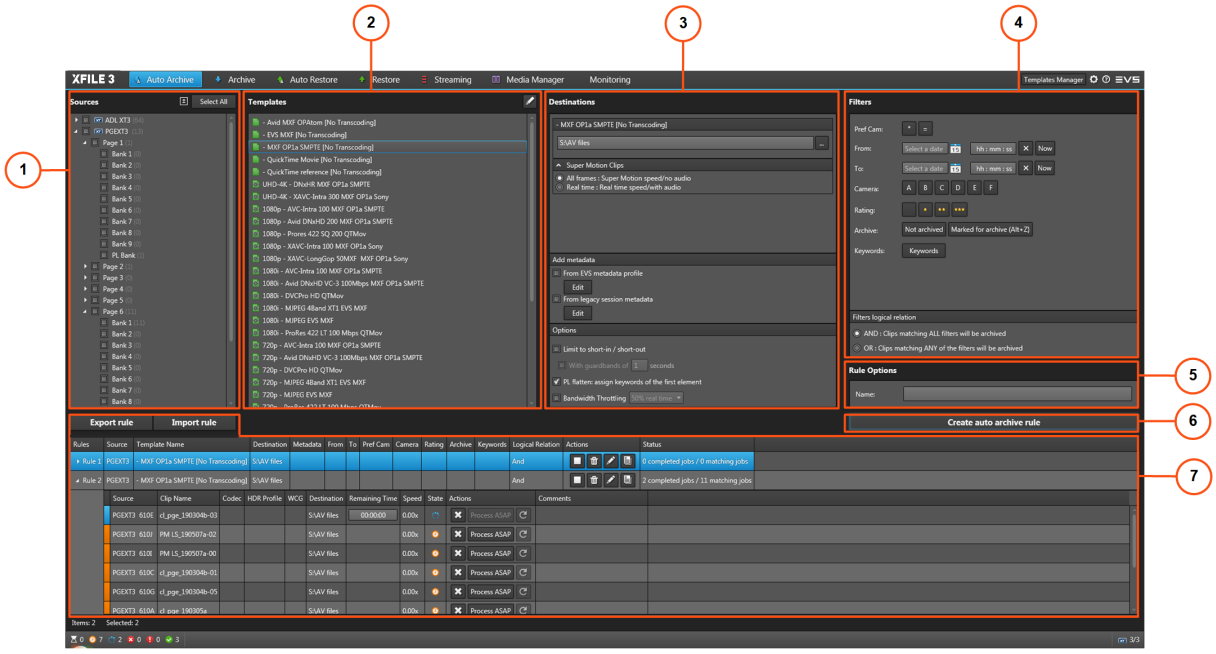
When the C-Next Contribution mode has been enabled, distant destinations are available.

Differences and limitations toward the Full Package mode are described in section "Archiving Media from an EVS Server to a Distant Location" on page 165.

The use of XFile3 can be restricted to automatic archive and manual restore when the license key 10-30 has been imported into XSecure. In that case, some features from the Full Package mode are not available from the Auto Archive tab. See section "Auto Archive and Manuel Restore Mode" on page 154.

Illustration

When XFile3 is started in Full Package mode, the Auto Archive tab contains the areas highlighted on the screenshot below:



Area Description

Sources Pane (1)

This area displays all the servers selected from the Settings > Servers Discovery tab.

The server structure, including pages, banks and PL banks, is also displayed.

From this area, you will select the source of clips or playlists to archive.

See section "Selecting Clips or Playlists to Archive" on page 29.

Templates Pane (2)

This area displays the templates available from the background running Xsquare service manager. See section "Selecting a Job Template" on page 31.

In Full Package mode, the Template Manager tool is used to manage the list of templates available in the tab. This tool is not available with the AutoArchive and Manual Restore only mode. See section "Managing Templates" on page 136.

Destinations Pane (3)

From this area, you will select the destination(s) where clips or playlists will be archived. See section "Selecting the Destination Path" on page 57.

From this pane, you can set the Supermotion Clips parameters, define metadata and set options.

See sections "Setting the Supermotion Clips Type" on page 33, "Assigning Metadata to Archived Media" on page 34, "Setting Archive Options" on page 38.

Filters Pane (4)

This area displays all the filter options that can be added in the autoarchive rule.

See section "Defining Filters for the Selection of Clips to be Archived" on page 39.

Rule Options (5)

The **Name** field can be used to give a customized name to the rule.

Create Autoarchive Rule Button (6)

This button is used to create the autoarchive rule.

Jobs Pane (7)

This area displays all the created auto archive rules and the related jobs.

See section "Monitoring Jobs" on page 44.

Above the Jobs pane, two buttons are available to import or export rules.

See section "Managing Rules" on page 46.

4.2. Steps for the Creation of Auto Archive Rules

How to Create an AutoArchive Rule

To create an autoarchive rule:

1. From the Sources pane, select the source EVS Server and/or page/bank where clips or playlists to archived are stored.

   See section "Selecting Clips or Playlists to Archive" on page 29.

2. From the Templates pane, select a job template that specifies the job process to be done by Xsquare.

   See section "Selecting a Job Template" on page 31.

3. From the Destinations pane, select a destination to specify where clips will be archived.

   See section "Selecting the Destination Path" on page 57.

NOTE

The destination path will be kept even if you select another template afterwards.

4. When the C-Next Contribution mode has been enabled, select a distant destination from the Destinations pane, to specify where clips will be archived.

   See section "Selecting the Destination Path" on page 57.

5. (Optional) Set the Supermotion Clips parameters.

   See section "Setting the Supermotion Clips Type" on page 33.

6. (Optional) Define the metadata that will be assign to archived clips.

   See section "Assigning Metadata to Archived Media" on page 34.

7. (Optional) Set options to limit the archiving to the portion between the IN point and OUT point, to define new guardbands, to assign keywords to the flattened playlist file, or to limit the use of bandwidth.

   See section "Setting Archive Options" on page 38.

8. (Optional) Define filters that will be applied to refine the list of clips that will be archived.

   See section "Defining Filters for the Selection of Clips to be Archived" on page 39.

9. (Optional) enter a name for the auto-archive rule in the **Rule Options / Name** field (up to 36 characters).

10. Click **Create autoarchive rule**.

A new rule is created and displayed in the Jobs pane. See section "Monitoring Jobs" on page 44.

The rule is immediately taken into account.

All the clips from the selected source which match the defined filters will automatically be archived to the defined destination as soon as the rule is started.

How to Create an AutoArchive Rule to Archive Clips or Playlists from One Server to Another

To archive clips, or playlists, from one server to another, proceed as follows:

1. From the Sources pane, select the source EVS Server and/or page/bank where clips, or playlists, to archive are stored.
2. From the Templates pane, select the **To EVS Server** template.
3. From the Select Destination window, select the EVS server where you want to archive clips, or playlists.

   See section "Selecting the Destination Path" on page 57.
4. (Optional) Select the destination position in EVS server.
5. (Optional) enter a name for the auto-archive rule in the **Rule Options / Name** field.
6. Click **Create autoarchive rule**.

A new rule is created and displayed in the Jobs pane.

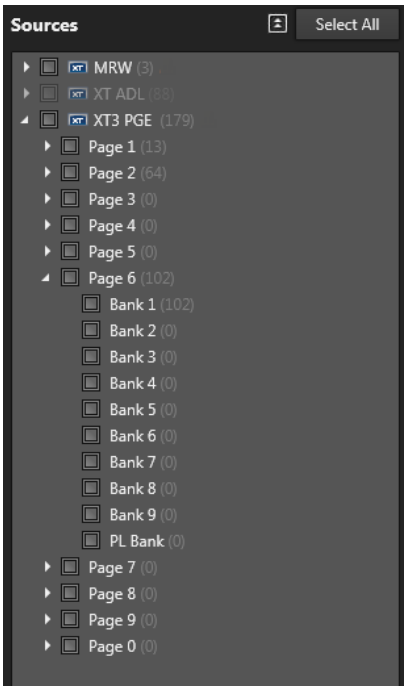
4.3. Selecting Clips or Playlists to Archive

Overview of the Sources Pane

The Sources pane displays all the servers selected from the Settings > Servers Discovery tab, and their clip structure, including pages, banks and PL banks.

The server name displayed here is the SDTI network name of the server. But if the server name has been left blank, the server serial number will be displayed instead.

The total number of clips is displayed between brackets beside each server name, page and bank.



How to Select Sources

Select the sources from which you want to archive clips in one of the following ways:

All pages (and banks) from all servers:

- Click **Select All** to select all servers
- Click **Unselect All** to cancel the selection.

All pages (and banks) from one server:

- Select the check box next to the server.

All banks from one page:

- Select the check box next to the page.

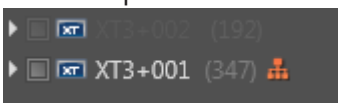
Individual banks:

- Select the check box next to the banks.

NOTE

XFile3 monitors the connection with the EVS servers GBE ports. A server could indeed be visible through the Management PC LAN port on XFile3 UI, but it may be impossible to see file transfers through the GBE media ports.
Two degraded modes are possible:

- **The server GBE ports are not reachable**, file transfer is impossible in such circumstances. If both server GBE connections cannot be pinged at all, all controls for that server will be disabled.
- **The server GBE ports are not reachable in jumbo frames. An orange network icon appears beside the EVS server**. File transfer is possible but not at the fastest speed.



To solve those problems, please check your network settings to ensure that Jumbo Frames is enabled on the local XFile3 NIC, or on the switch infrastructure between the XFile3 and the servers.

4.4. Selecting a Job Template

The Templates pane displays the templates available from the background running Xsquare service manager. The list displayed may have been restricted by selecting some templates from the Template Manager tool.

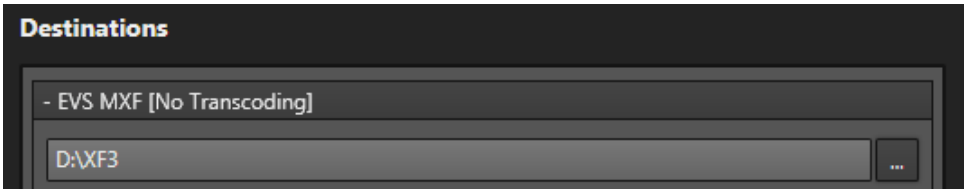
According to the source location (PL bank or other bank) selected from the Sources pane of the Auto Archive tab, the list of available templates will be restricted to the templates which can be applied to this element type.

See section "Managing Templates" on page 136 for the operations which can be done on templates.

4.5. Selecting the Destination Path

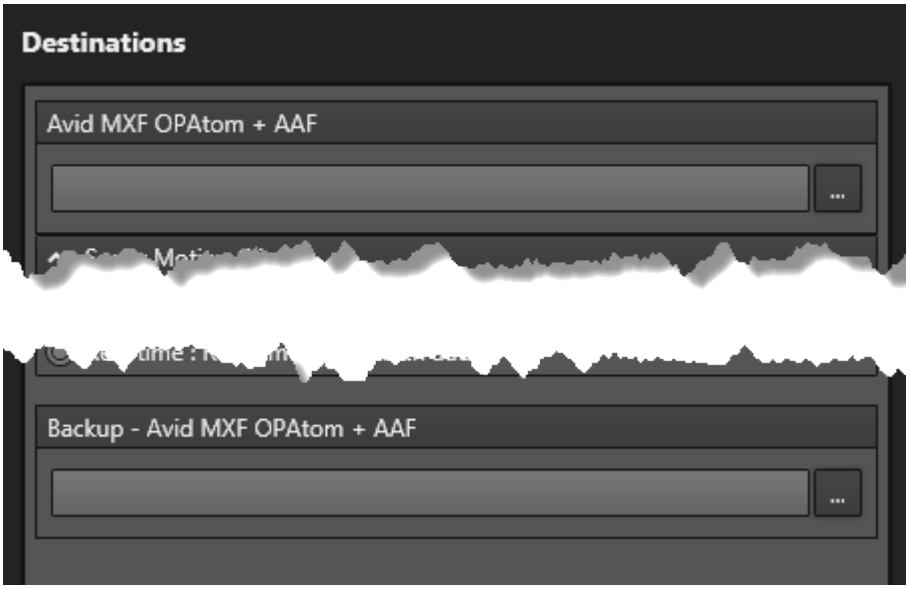
Overview

The Destination path, where the clips or playlists will be archived, is set from the **Destination** field in the Destinations pane. Files can be saved to shared folders only.



The wrapper type of the template selected in the Templates pane is displayed above the **Destination** field.

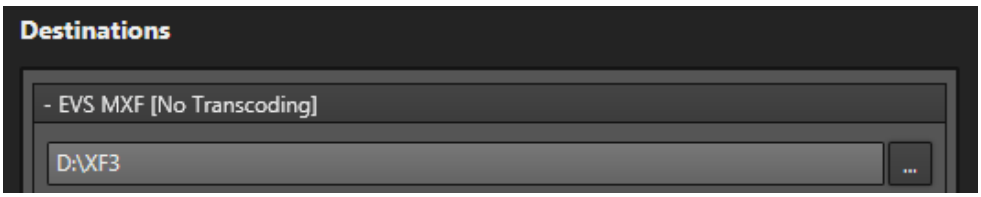
When the template selected in the Templates pane has been designed to back files up to several destinations, as many **Destination** fields are displayed in the Destinations pane.



How to Set the Destination Path(s) where Media will be Archived

To set a local destination for media archiving,

1. Click the **Browse** button ... next to the **Destination** field.
2. Browse to the Destination folder to select.
3. Click **OK**.



NOTE

You may also enter the path manually in the **Destination** field, or use the copy/paste commands. A message will warn you in case the path is not valid.

If the template you have selected is designed for multi destinations,

4. Repeat steps 1 to 3.

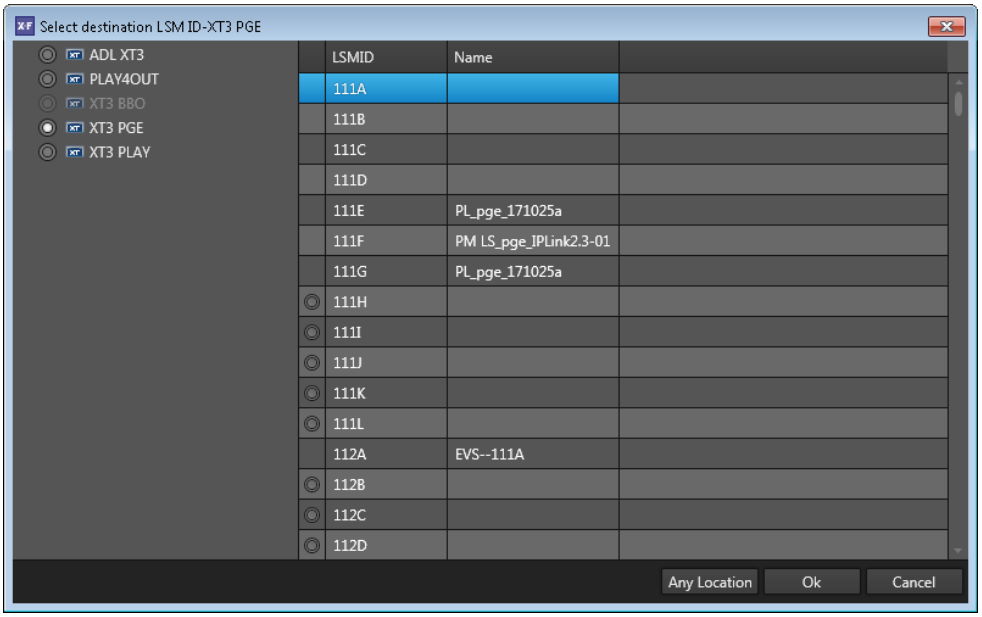
How to Set the Destination Path with the 'To EVS Server' Template

1. Click the **Browse** button ... next to the **Destinations** field.

   The Select Destination window opens.

2. Select the EVS server where you want to archive clips, or playlists, by clicking the corresponding radio button on the left of the window.

   All the positions of the selected EVS server are displayed on the right of the window. a A radio button is present next to free positions.



3. Do one of the following:
   - Select the destination position in EVS server by clicking the radio button on the right of the window and click **OK**.

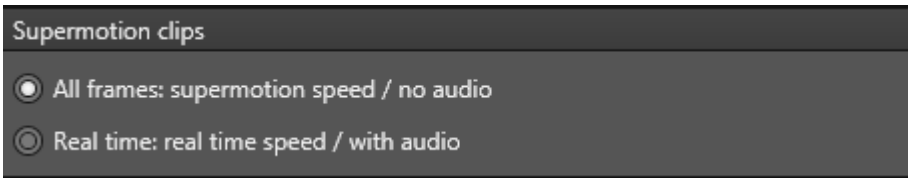
     The selected position will be taken as the starting point for the archiving of clips.
   - Do not select any destination position and click **Any Location**.

     The first available position on the destination EVS server will be taken as the starting point for the archiving of clips.

4.6. Setting the Supermotion Clips Type

The **Supermotion Clips** options are used to set the way supermotion clips will be archived:

- **All frames**: The entire frame of the supermotion clip is kept asynchronous or without audio. This option is selected by default.
- **Real time**: Only 1 frame over 2, 3, 6 or 10 (depending on the Super Motion Rec mode) is kept, audio is kept as well. Audio TC will be consistent.



NOTE

The Supermotion Clips options are not displayed when some templates have been selected: To EVS Server template, Playlist-related templates.

4.7. Assigning Metadata to Archived Media

4.7.1. Introduction

The users can select metadata that will be added to the archived clips. This is done by importing an EVS metadata profile and editing the metadata values or by editing legacy session metadata.

XFile3 will update the clip metadata when the autoarchive rule is running and the clip archiving job is finished.

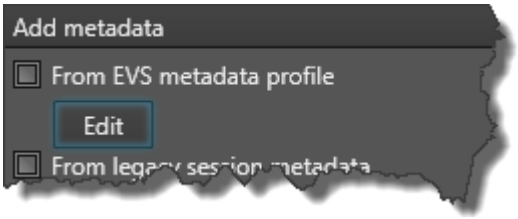
4.7.2. Assigning Metadata from an EVS Metadata Profile

How to Import an EVS Metadata Profile

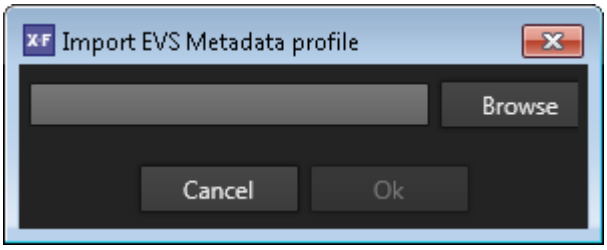
The default profiles are stored in the following directory: `C:\Program Files\EVS Broadcast Equipment\XFile3\XML metadata profiles`.

To import an EVS metadata profile,

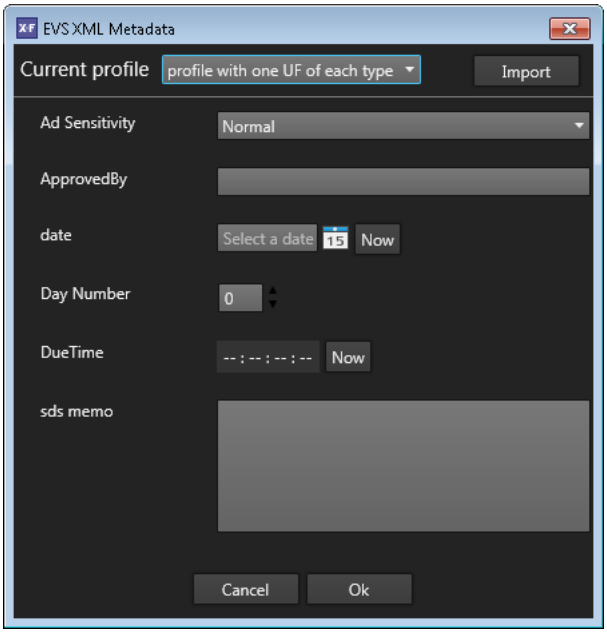
1. Click **Edit** under **From EVS Metadata Profile**:



- If no profile has been imported yet, the Import EVS Metadata Profile dialog box opens:



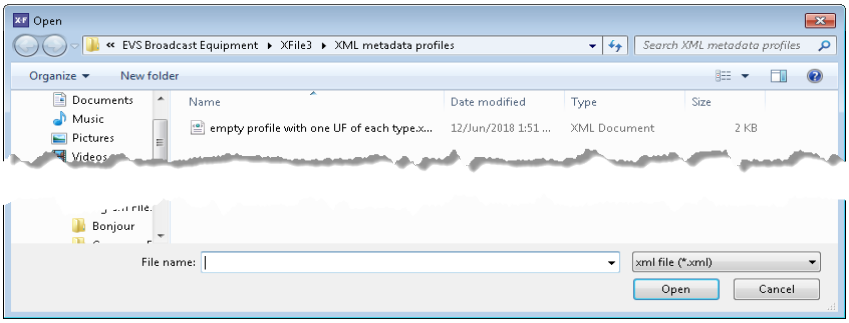
- If a profile has already been imported, the EVS XML Metadata window opens and the last selected profile is displayed in the **Current Profile** field.:



Click **Import** to open the Import EVS Metadata Profile dialog box.

2. Click **Browse**.

   The following window opens:

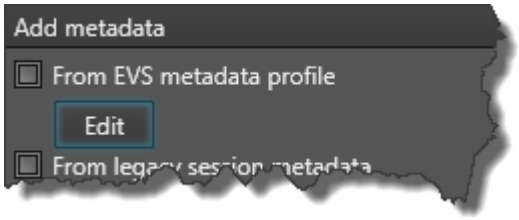


3. Select a metadata profile and click **Open**.
4. Click **OK** in the Import EVS Metadata Profile dialog box.

The metadata profile is available from the **Current Profile** field of the EVS XML Metadata window.

How to Set Metadata Values for an EVS Metadata Profile

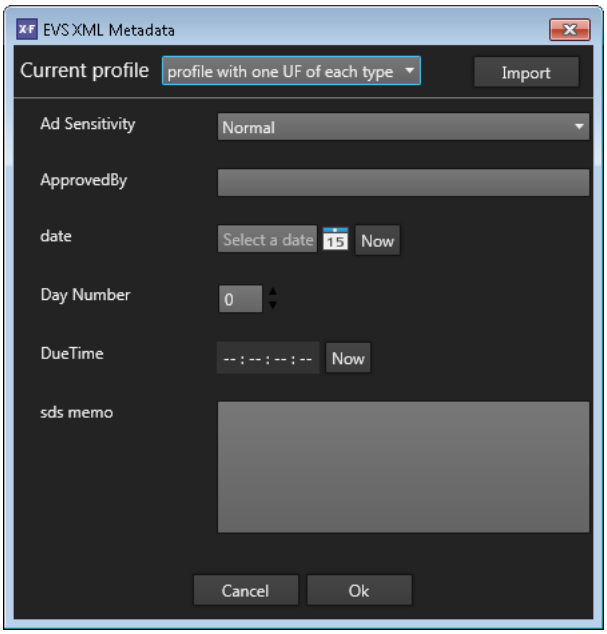
1. Click **Edit** under **From EVS Metadata Profile**:



   The EVS XML Metadata window opens.

   The last selected profile, if any, is displayed in the **Current Profile** field.

2. Select the metadata profile to use from the **Current profile** field.



3. Modify the required metadata values.
4. Click **OK**.

How to Assign the Predefined Metadata Values to Clips

To assign the predefined metadata values to archived clips,

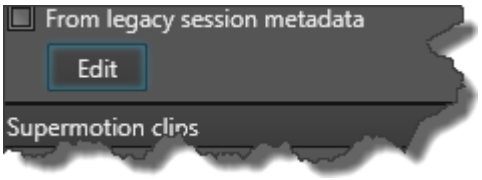
- Select the **From EVS Metadata Profile** option.

The metadata profile and its metadata values will be added to the XML file of the archived files.

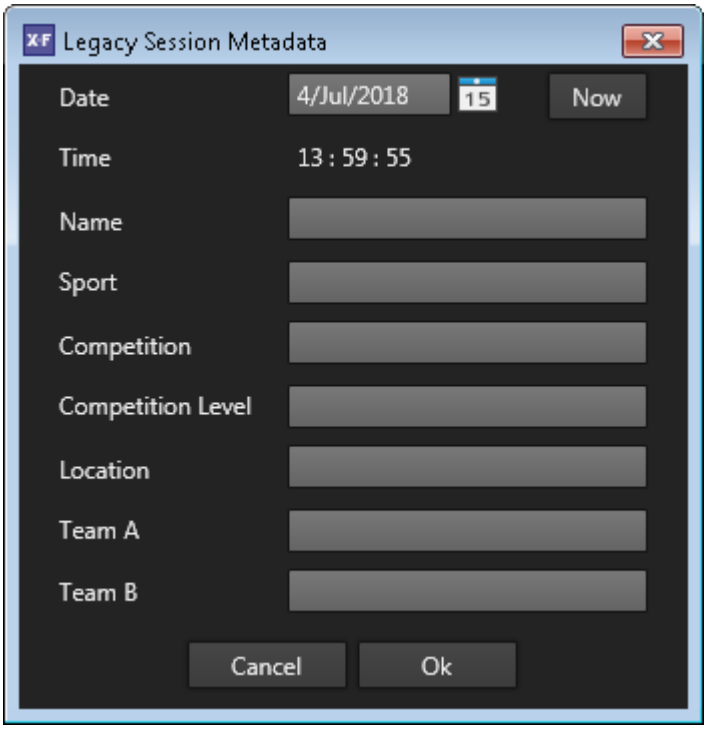
4.7.3. Assigning Metadata from Legacy Session Metadata

How to Set Metadata Values for Legacy Session Metadata

1. Click **Edit** under **From legacy session metadata**.



The Legacy Session Metadata window opens.



2. Modify the required metadata values.
3. Click **OK**.

How to Assign the Predefined Metadata Values to Clips

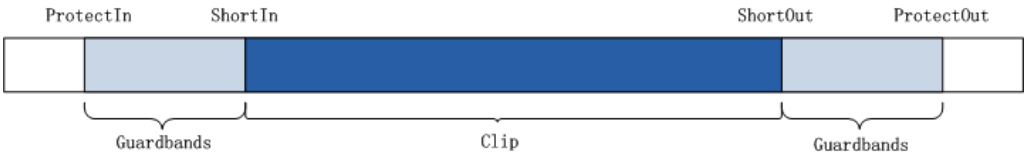
To assign the predefined metadata values to archived clips,

- Select the **From legacy session metadata** option.

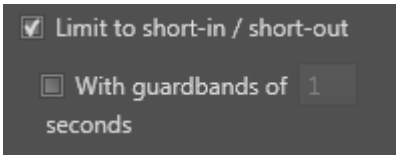
The metadata values will be added to the XML file of the archived files.

4.8. Setting Archive Options

Limit to short-in/short-out



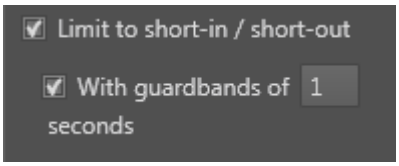
Limit to short-in/short-out



This option is used to limit the portion of the archived clip from the IN point (also called Short IN) to the OUT point (also called Short OUT), which means without its guardbands.

If this option is cleared, the clip will be archived with its original guardbands.

With guardbands



These options are used to define new guardbands for the archived clip, provided that there is enough footage.

For example, if the original guardbands of the clip to be archived last 5 seconds, and the user sets a guardbands value of 10 seconds, XFile3 will take 5 seconds as the valid guardbands value.

If the initial guardbands of the clip to be archived last 15 seconds, and the user sets a guardbands value of 10 seconds, XFile3 will take 10 seconds as the guardbands value.

Possible guardbands values: from 1s to 60s.

PL flatten: assign keywords of the first element

When this option is selected, the keywords of the first playlist element will be assigned to the flattened file resulting from the playlist archiving.

Bandwidth Throttling

This option is used to limit the use of the network bandwidth per job.

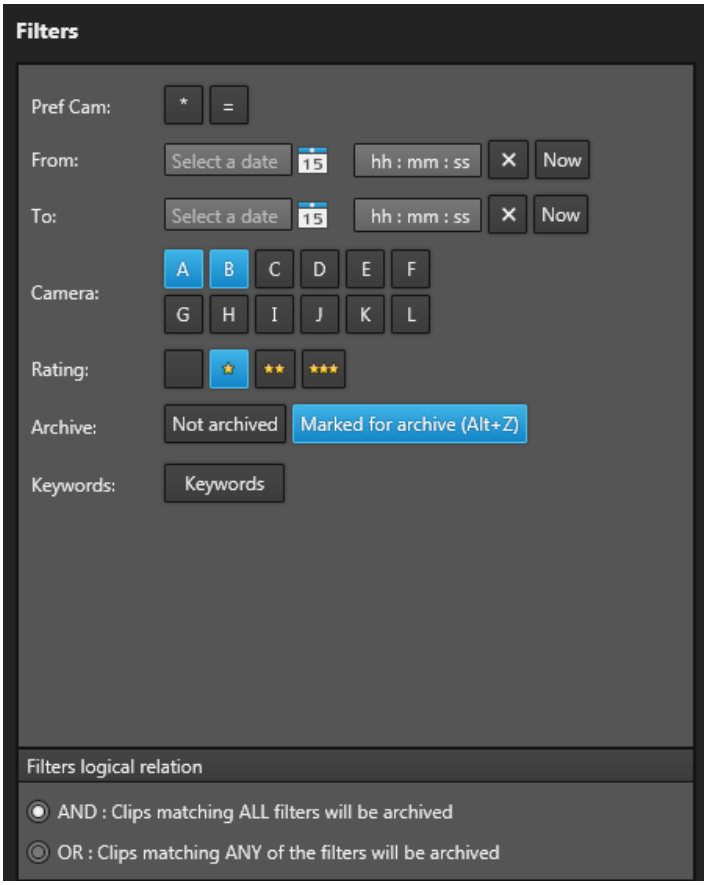
By default, the option is cleared.

Possible values: **50% real time**, **75% real time**, **100% real time**, **125% real time**, **150% real time**, **200% real time**, **300% real time**, **400% real time**.

4.9. Defining Filters for the Selection of Clips to be Archived

4.9.1. Introduction

The Filters pane provides several filters to refine the list of clips to be archived and facilitate complex jobs if needed.



The six filters refer to:

- one of the preferential cameras (Pref Cam)
- Date & Time
- Camera

- Rating
- Archive
- Keywords

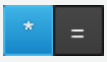
Selected filters are highlighted.

Several filters may be applied and users can choose to archive clips matching all the defined filters or any of them by the use of a logical operator at the bottom of the pane.

4.9.2. How to Set a Filter Based on the Pref Cam

The Pref Cam filter makes it possible to only archive the clips recorded from the camera defined as the first preferential camera (*) and/or the second preferential camera (=). By default, no pref cam is selected and all cameras are included.

To set the filter condition, click the one or two button(s) as described in the following table:

Filter	Meaning
	Clips recorded from all cameras are selected in the auto archive rule.
	Only the clips recorded by the first and the second preferential cameras are included in the auto archive rule.
	Only the clips recorded by the first preferential camera are included in auto archive rule.
	Only the clips recorded by the second preferential camera are included in the auto archive rule.

4.9.3. How to Set a Filter Based on Date and Time

The Date & Time filter makes it possible to archive clips that have been created in the date range set between the From [date] value and the To [date] value.

By default, no date or time is selected.

To set the Date filter condition,

1. Click  next to the **From [date]** field.

   A calendar is displayed.

2. Select a date.

3. Enter the time in the **From [Time]** field.

4. Repeat steps 1 to 3 for the To [date] and To [time] values.

You can click  to clear the defined date and time.

You can click  to load the current server time.

NOTE

Date & Time filter is based on Primary TC.

4.9.4. How to Set a Filter Based on Camera

The Camera filter allows to select the clips recorded by specific cameras, which correspond to recorder channels.

From Multicam 14, up to 12 channels can be used, which corresponds to letter A to L.

By default, no camera is selected, and all cameras are included in the auto archive rule.

To set the filter condition,

- click the corresponding **Camera** button(s).

For example, clicking the **A** button will archive clips stored as A clips.

Several cameras can be selected at a time. Then, select the appropriate filter logical relation.

4.9.5. How to Set a Filter Based on Rating

The Rating filter makes it possible to select clips with a defined interest level.

Four interest levels exist, from no star to 3 stars:  .

By default, no button is selected, and all interest levels are included.

To set the filter condition, click the required **Interest Level** button.

4.9.6. How to Set a Filter Based on Archive Flag

The Archive Flag filter makes it possible to select clips which are flagged for archive or not flagged for archive by the LSM or Multicam user. By default, the **Not Archived** flag is selected.

To set the filter condition,

- Click one or both button(s):
  - **Not Archived**: Includes the clips which are not flagged for archive.
  - **Marked for archive (Alt-Z)**: Includes the clips which have been flagged for archive.

4.9.7. How to Set a Filter Based on Keywords

Introduction

The Keywords filter defines the keywords which must have been associated with the clips to archive.

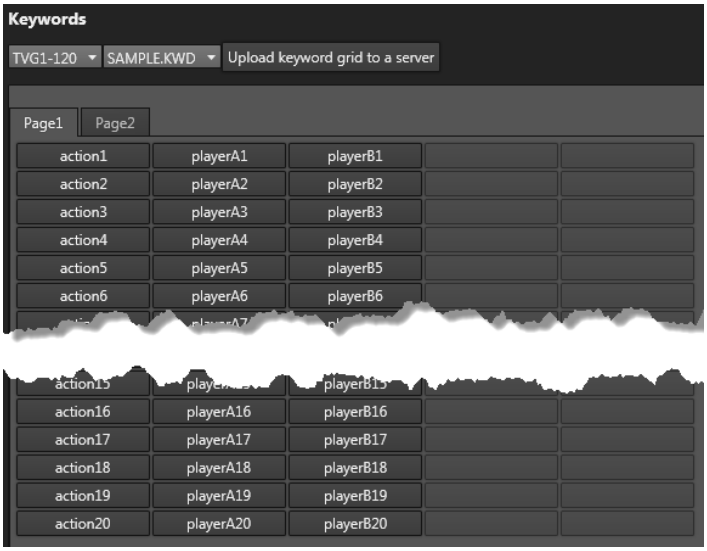
By default, no keyword is selected.

How to Set a Filter Condition with Keywords

To set the filter condition,

1. Click the **Keywords** button.

   A Keywords pane is displayed on the right of the Filters pane.

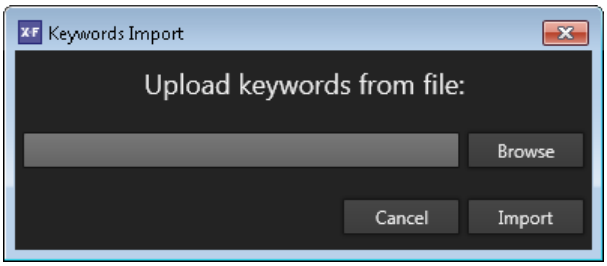


   All the keywords listed in this pane come from the keywords folders of the detected servers.

2. From the first field, select a server.
3. From the second field, select a keyword folder io the selected server.

4. (Optional) To upload a keyword grid onto the selected server,
   a. Click **Upload Keyword to Server**.

      The Keywords Import window opens:

   b. Click **Browse** to select the keyword file to be imported.

      If the name of the folder to be uploaded is the same as the one in the same server, the existing keyword folder in the server will be overlapped by the uploaded keyword folder.

   c. Click **Import** to import the keywords file.

      The imported keywords are stored in an independent folder.
5. From the grid, click the keyword(s) on which you want to filter the clips to archive.

   They are highlighted.
6. To remove any filter on keywords and hide the Keywords pane, click the Keywords button from the Filters pane.

4.9.8. How to Set Filters Logical Relation

The Filters Logical Relation option makes it possible to specify the logical relations among all selected filters.

- **AND**: The clips matching ALL of the selected filters will be archived.

  Example

  When selecting **Camera A** and **Rating**  , XFile3 only archives the clips containing both **Camera A** and **Rating**  .
- **OR**: The clips matching ANY of all the selected filters will be archived.

  Example

  When selecting **Camera A** and **Rating**  , XFile3 archives the clips containing **Camera A**, or **Rating**  or both.

4.10. Monitoring Jobs

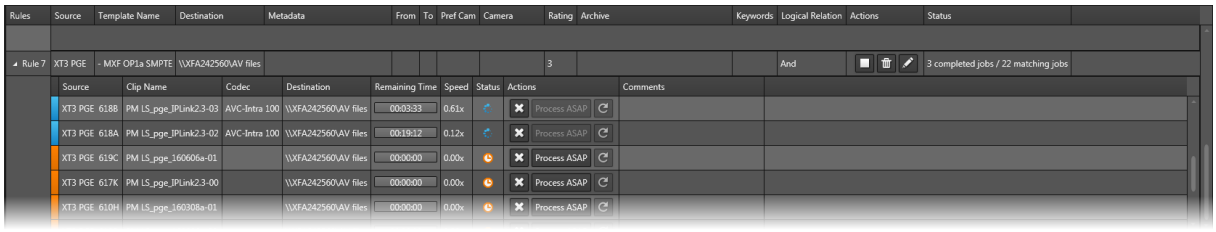
4.10.1. The Jobs Pane in the Auto Archive Tab

Overview of the Jobs Pane

Once an Auto Archive rule has been created, it is displayed at the lower part of the Auto Archive tab.

All the jobs that meet the criteria of the specific rule will be displayed under the rule until they are processed.

Click ▶ at the beginning of a rule line to expand the jobs list for the rule, or ◢ to collapse it.



A color code, at the beginning of each job line, and a colored icon in the Status column specify the exact status of the current job.

When a job is completed, it disappears from the Jobs pane.

The section "Managing Jobs" on page 147 details the operations which can be performed on jobs.

The section "Organizing Columns" on page 133 describes the procedures to resize, order and select columns to display.

In Full Package mode, Auto Archive jobs can also be monitored from the Monitoring tab, together with the other types of jobs. See section "Monitoring Jobs" on page 145 for more information.

Jobs Status Color Code

A color code, at the beginning of each job line, and a colored icon in the Status column specify the exact status of each job.

Status	Job Status Color Code	Job Status Icon	Meaning
Waiting			The job has been created and stored in the XFile3 database.
Scheduled			The job has been sent to Xsquare and is scheduled to be processed.

Status	Job Status Color Code	Job Status Icon	Meaning
Running			The job is running.
Canceled			User has canceled the job.
Failed			The job failed.

Columns Description

Rule Columns Description

Column	Description
Rules	Name of the rule defined by a number automatically incremented.
Source	Name of the server(s) selected as sources. A tooltip over each source displays detailed information.
Template Name	Name of the chosen template to process the job.
Destination	Selected destination to archive the clips to.
Metadata	Selected metadata values to add to the archived clips.
From / To	Range of date and time containing the clips to be archived.
Pref Cam	Selected pref cam from which clips to archive have been recorded.
Camera	Selected cameras from which clips to archive have been recorded. This corresponds to clip positions in the bank.
Rating	Selected ratings (interest levels) associated with the clips to archive.
Archive	Selected archive flags.
Keywords	Selected keywords associated with the clips to archive.
Logical relation	Logical relation applied to all the selected filters.
Actions	Buttons for the management of the rule. See section "Managing Rules" on page 46.
Status	Number of completed jobs and total number of jobs matching the rule: `n completed jobs/n matching jobs`.

Job Columns Description

Column	Description
Source	LSM ID of the clip to archive, and corresponding server name.
Clip Name	Name of the archived clip.
Codec	Codec of the archived file.
HDR Profile	High Dynamic Range profile of the file.
WCG	Wide Color Gamut profile of the file.
Destination	Destination where the archived clips will be stored.
Remaining Time	Remaining time for the process of each job.
Speed	Current speed of each archiving job by a multiple of x.
State	Icon representing the current job status.
Actions	Buttons for the management of the job. See section "Managing Jobs" on page 147.
Comments	Information from Xsquare and XFile3.

4.10.2. Managing Rules

How to Start and Stop a Rule

To start a rule, click  in the Actions column of the Jobs pane. Then all the cancelled jobs in the rule will be running or scheduled.

To stop a rule, click  in the Actions column of the Jobs pane. Then all the jobs in waiting, scheduled and running statuses in the rule will be cancelled.

How to Delete a Rule

To delete a rule, click  in the Actions column of the Jobs pane. Then the rule and all the related jobs will be removed.

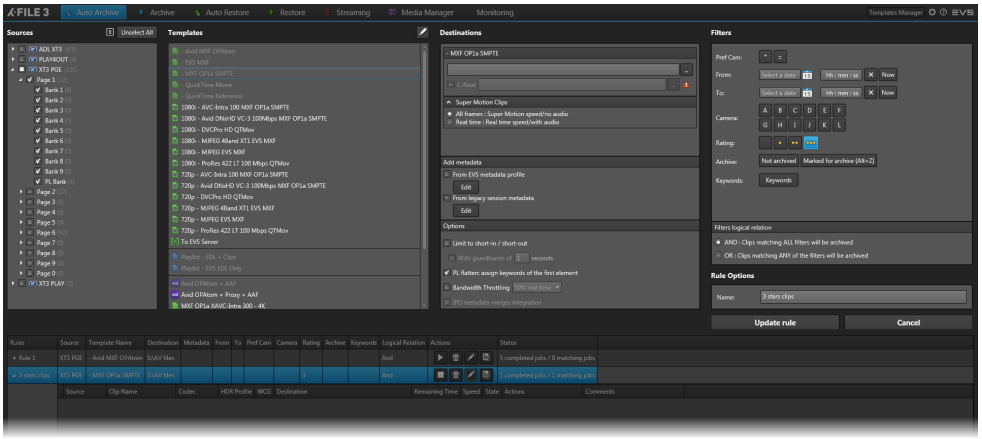
How to Edit or Rename an Existing Rule

Instead of deleting a rule and creating a new one, users can edit an existing rule.

To edit a rule,

1. Click  in the Actions column of the Jobs pane

   The rule is loaded in the upper part of the tab.



2. Edit the required items.
3. Click **Update Rule** to save the changes or **Cancel** to discard them.

How to Duplicate a Rule

To duplicate a rule,

- Click  in the Actions column of the Jobs pane.

The rule is immediately duplicated. **Copy** is added to its name.

Rules	Source	Template Name	Destination	Metadata	From	To	Pref Cam
Rule 1	XT3 PGE	- Avid MXF OPAtom	S:\AV files				
3 stars clips	XT3 PGE	- MXF OP1a SMPTE	S:\AV files				
Rule 1 - Copy	XT3 PGE	- Avid MXF OPAtom	S:\AV files				
3 stars clips - Copy	XT3 PGE	- MXF OP1a SMPTE	S:\AV files				

The new copy of the rule is stopped by default.

How to Export a Rule

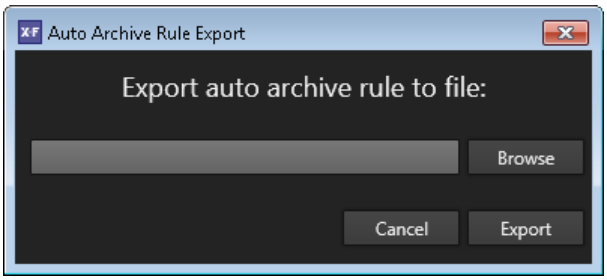
In Full Package mode, you can export one or multiple rules at one time.

To export the rule,

1. From the Jobs pane, select the rule(s) to be exported.

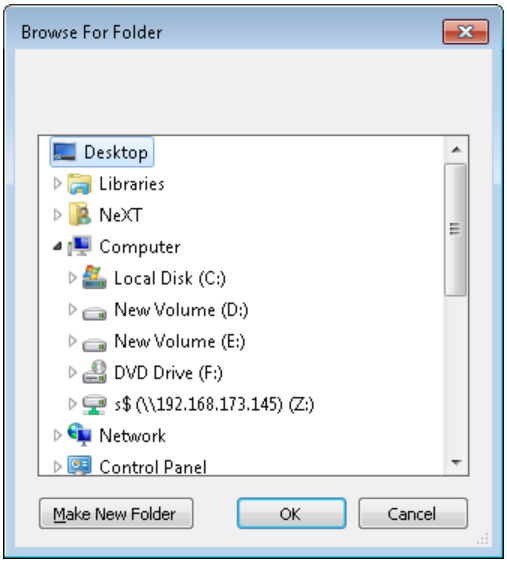
2. Click **Export Rule** at the top left of the Jobs pane.

   The Auto Archive Rule Export window opens.

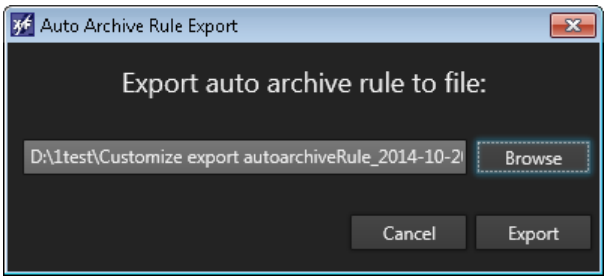


3. Click **Browse**.

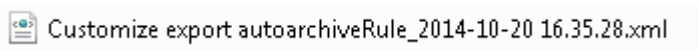
   The Browse For Folder window opens.



4. Select the required destination to export the rule.
5. Click **OK**.
6. Click **Export** from the Auto Archive Rule Export window.



One rule exclusively corresponds to one exported file. If multiple rules have been selected, the corresponding number of files will be exported.



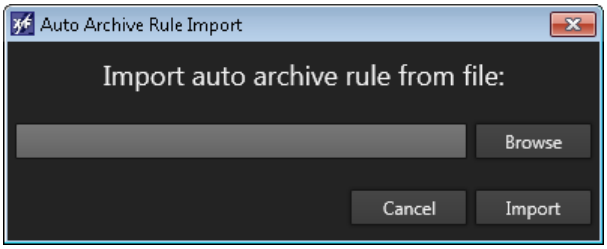
How to Import a Rule

In Full Package mode, you can import only one rule at one time.

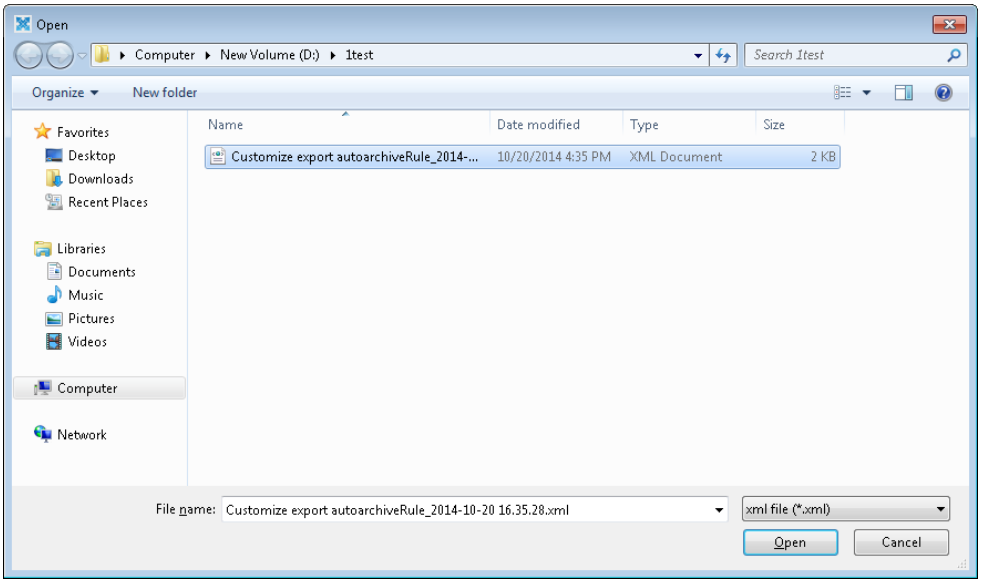
To import the rule,

1. Click **Import Rule**.

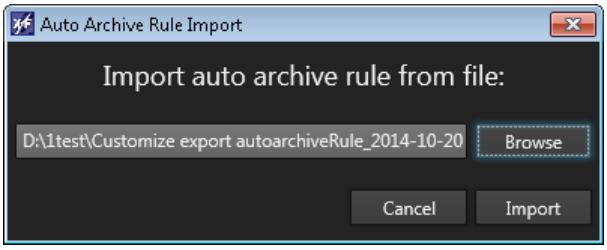
   The Auto Archive Rule Import window opens.



2. Click **Browse** to select the rule to be imported.



3. Click **Import** from the Auto Archive Rule Import window.



The imported rule is paused.

5. Defining and Applying Archive Jobs

5.1. Overview of the Archive Tab

Purpose

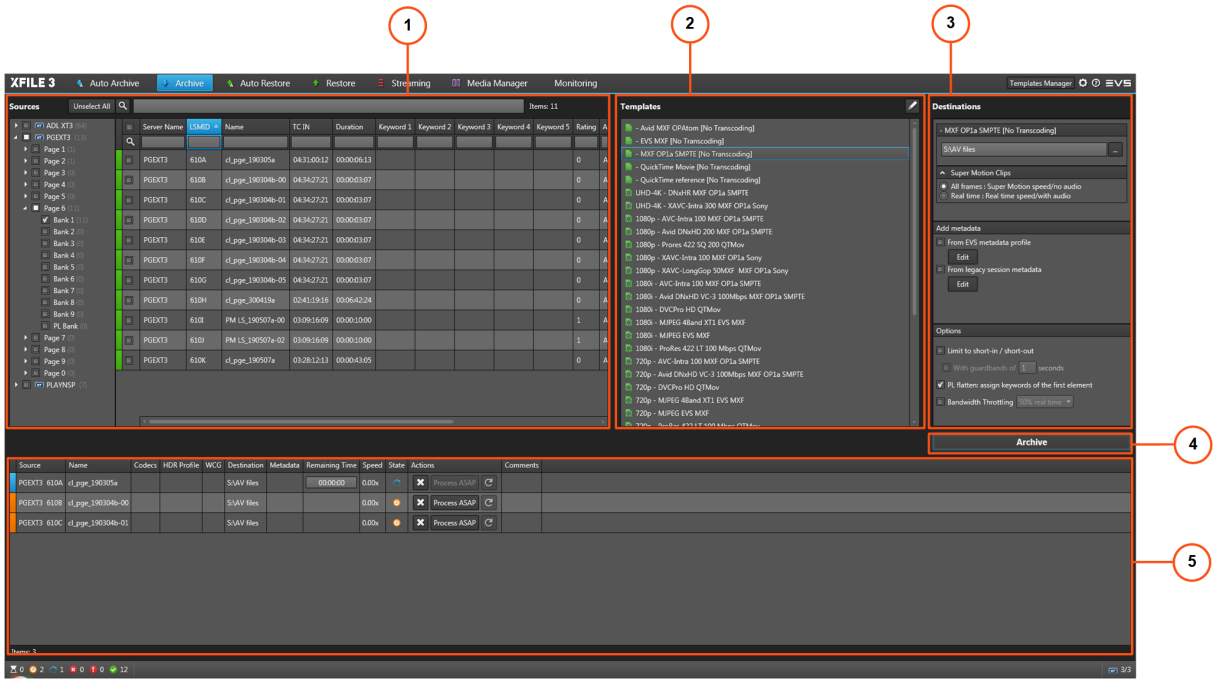
The Archive tab is used to manually archive specific clips or playlists from the requested EVS video servers to the predefined destinations with the requested formats.

When the C-Next Contribution mode has been enabled, distant destinations are available.

Differences and limitations toward the Full Package mode are described in section "Archiving Media from an EVS Server to a Distant Location" on page 165.

Illustration

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



Area Description

Sources Pane (1)

This area displays all the servers selected from the Settings > Servers Discovery tab.

The server structure, including pages, banks and PL banks, is also displayed.

See section "Selecting Clips or Playlists to Archive" on page 55.

Templates Pane (2)

This area displays the templates available from Xsquare.

See section "Managing Templates" on page 136.

Destinations Pane (3)

From this area, you will select the destination(s) where clips or playlists will be archived.

From this pane, you can set the Supermotion Clips parameters, define metadata and set options.

See sections "Selecting the Destination Path" on page 57, "Setting the Supermotion Clips Type" on page 33, "Assigning Metadata to Archived Media" on page 34, "Setting Archive Options" on page 59.

Archive Button (4)

This button is used to create archive job.

Jobs Pane (5)

This area displays all the created jobs.

See section "Monitoring Jobs" on page 61.

5.2. Steps for the Archiving of Media

How to Archive Clips

To archive clips,

1. From the Sources pane,
   a. select the source EVS Server and/or page/bank where clips to archive are stored.
   b. Select the clips to archive from the Media grid.

   See section "Selecting the Media Sources" on page 75.
2. From the Templates pane, select a job template that specifies the job process to be done by Xsquare.

   See section "Selecting a Job Template" on page 56.
3. From the Destinations pane, select a destination to specify where clips, or playlists, will be archived.

   See section "Selecting the Destination Path" on page 57.

NOTE

The destination path will be kept even if you select another template afterwards.

4. (Optional) Set the Supermotion Clips parameters.

   See section "Setting the Supermotion Clips Type" on page 33.

5. (Optional) Define the metadata that will be assign to archived clips.

   See section "Assigning Metadata to Archived Media" on page 34.

6. (Optional) Set options to only archive the portion between the IN point and OUT point, to define new guardbands, or to limit the use of bandwidth.

   See section "Setting Archive Options" on page 59.

7. Click the **Archive** button.

All the jobs will be created and displayed in Jobs pane. See section "Monitoring Jobs" on page 61.

How to Archive Playlists

XFile3 can archive playlists that contain both local clips and network clips.

To archive playlists,

1. From the Sources pane,
   a. select the source PL bank where playlists to archived are stored.
   b. Select the playlists to archive from the Media grid.

   See section "Selecting the Media Sources" on page 75.

2. From the Templates pane, select a job template that specifies the job process to be done by Xsquare.

   See section "Selecting a Job Template" on page 56.

3. From the Destinations pane, select a destinations to specify where playlists will be archived.

   See section "Selecting the Destination Path" on page 57.

4. (Optional) Define the metadata that will be assign to archived playlists.

   See section "Assigning Metadata to Archived Media" on page 34.

5. (Optional) Set options to only archive the portion between the IN point and OUT point, define new guardbands, or assign keywords to the flattened playlist file.

   See section "Setting Archive Options" on page 59.

6. Click the **Archive** button.

All the jobs will be created and displayed in Jobs pane.

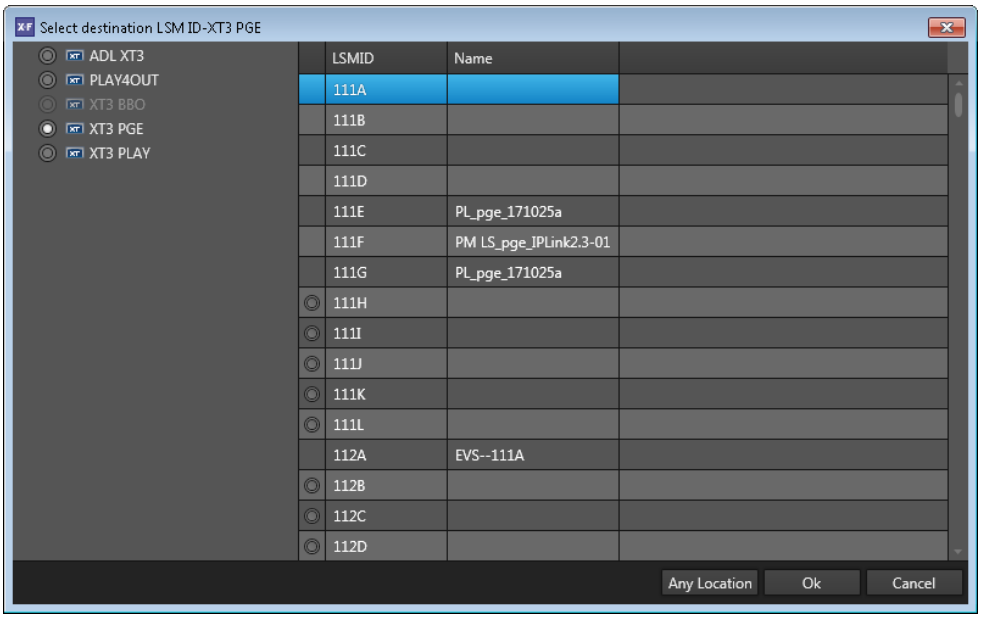
How to Archive Media from One Server to Another

To archive media from one server to another,

1. From the Sources pane,
   a. select the source EVS Server and/or page/bank where media to archive are stored.
   b. Select the media to archive from the Media grid.

2. From the Templates pane, select the **To EVS Server** template.

   The Select Destination window opens:



3. Select the EVS server where you want to archive media by clicking the corresponding radio button on the left of the window.

   - Select the destination position in EVS server by clicking the radio button on the right of the window and click **OK**.

     The selected position will be taken as the starting point for the archiving of clips or playlists.

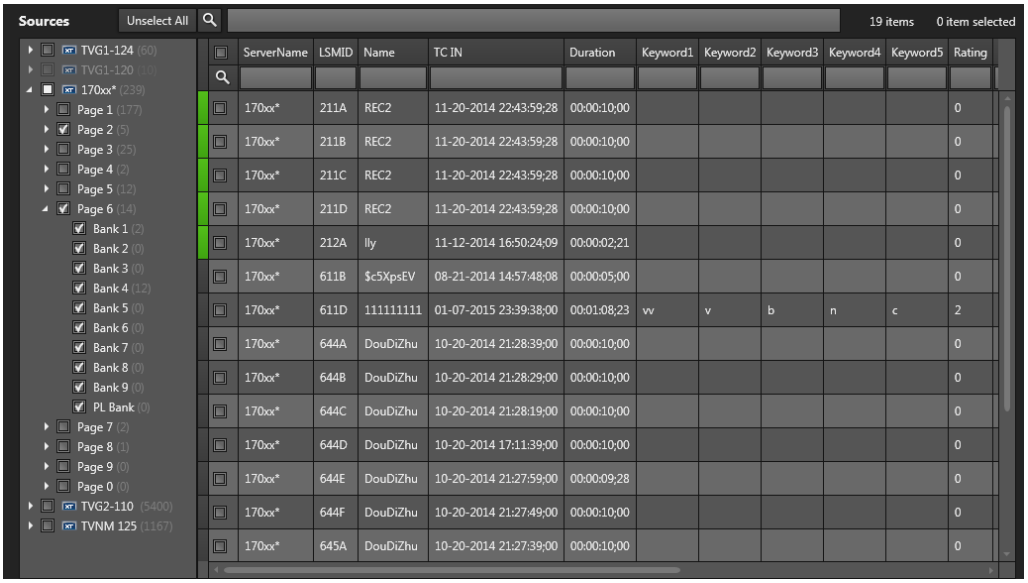
   - Do not select any destination position and click **Any Location**.

     The first available position in the destination EVS server will be taken as the starting point for the archiving of clips or playlists.

4. Click the **Archive** button.

5.3. Selecting the Media Sources

5.3.1. Overview of the Sources Pane



Servers List

The left pane of the Sources pane displays all the servers selected from the Settings > Servers Discovery tab, and their structures, including pages, banks and PL banks.

The server name displayed here is the SDTI network name of the server. But if the server name has been left blank, the server serial number will be displayed instead.

The total number of clips is displayed between brackets beside each server name, page or bank.

The total number of playlists is displayed between brackets beside the PL bank.

Media Grid

The right pane of the Sources pane displays the media (clips or playlists) stored on the servers/banks/pages selected in the Servers list.

In the grid, elements are presented in rows and all their associated parameters and metadata are in columns.

Section "Searching for Media" on page 133 describes how to organize columns and how to search for clips or playlists.

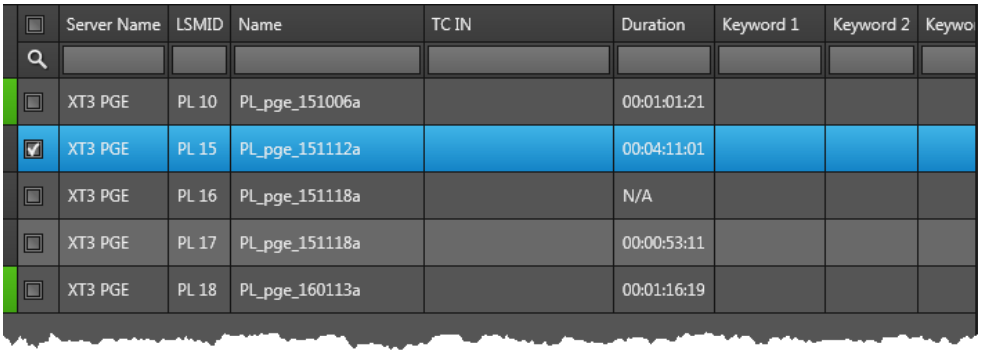
A color code, at the beginning of each media line, gives indication on the clip Archive status.

Color Code	Clip Archive Status
	not archived
	waiting for archive
	archived

5.3.2. Selecting Clips or Playlists to Archive

1. From the Servers list, select the sources from which you want to archive clips or playlists in one of the following ways:
   - All pages (and banks) from all servers: click **Select All** to select all servers or **Unselect All** to cancel the selection.
   - All pages (and banks) from one server: select the check box next to the server.
   - All banks from one page: select the check box next to the page.
   - Individual banks: select the check box next to the banks.

   The Media list displays the clips or playlists from the selected servers/banks/pages.
2. From the Media grid, select the check box at the beginning of a line to select the corresponding clips or playlists.

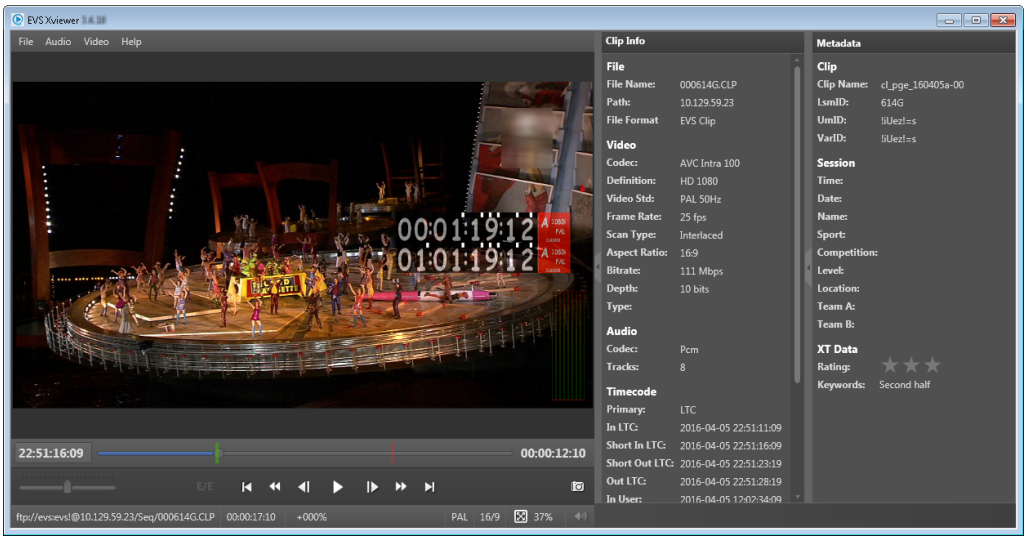


5.3.3. Previewing Clips and Files

A contextual menu is available when right-clicking an element in the Media grid.

Preview XT Clip

This option allows previewing the XT clip in an EVS XViewer window.
Up to 4 XViewer windows can be opened at the same time.



Preview File

This option is only available when the clip has been archived on disk and opens the XViewer application, installed together with XFile3, to preview the selected file and control its quality. Refer to the XViewer user manual for more information.

Up to 4 XViewer windows can be opened at the same time.
See also section "Editing a File" on page 122.

Open File Location

This option is only available when the clip has been archived on disk. It opens an Explorer window with the content of the drive folder where the file is stored.
A tooltip over the **Open File Location** option provides the path to the file storage location.

5.4. Selecting a Job Template

The Templates pane displays the list of templates which have been selected from the Template Manager tool.

From that pane, you select the job template that specifies the job process to be done by Xsquare.

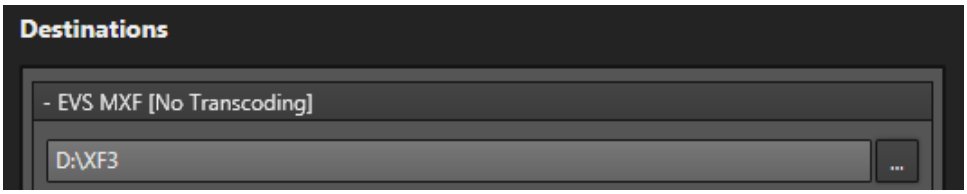
According to the type of element (clip or playlist) selected from the Sources pane of the Archive tab, the list of available templates will be restricted to the templates which can be applied to this element type.

See section "Managing Templates" on page 136 for the operations which can be done on templates.

5.5. Selecting the Destination Path

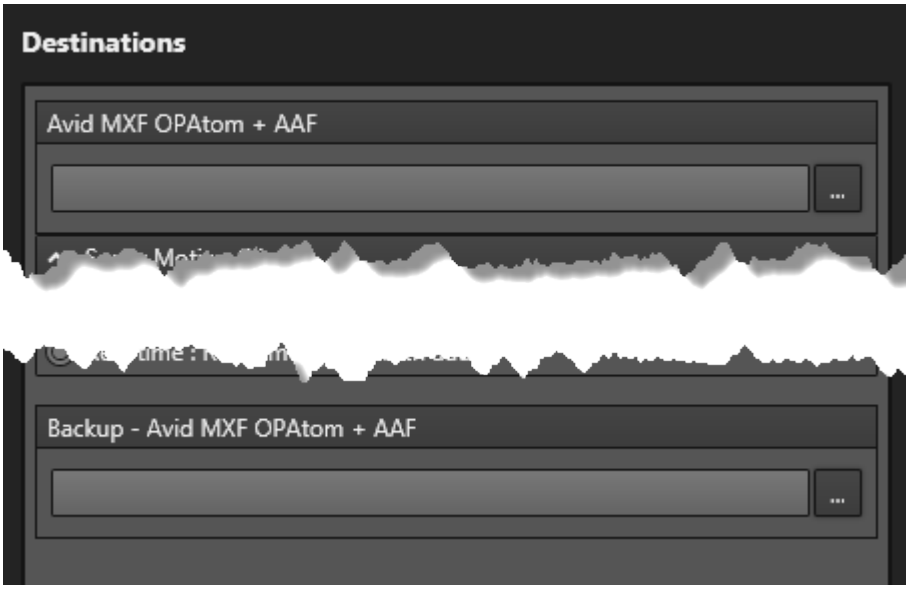
Overview

The Destination path, where the clips or playlists will be archived, is set from the **Destination** field in the Destinations pane. Files can be saved to shared folders only.



The wrapper type of the template selected in the Templates pane is displayed above the **Destination** field.

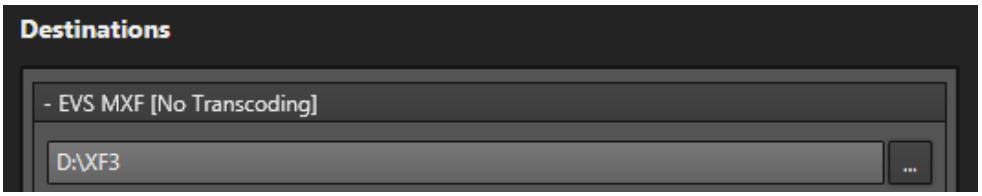
When the template selected in the Templates pane has been designed to back files up to several destinations, as many **Destination** fields are displayed in the Destinations pane.



How to Set the Destination Path(s) where Media will be Archived

To set a local destination for media archiving,

1. Click the **Browse** button ... next to the **Destination** field.
2. Browse to the Destination folder to select.
3. Click **OK**.



NOTE

You may also enter the path manually in the **Destination** field, or use the copy/paste commands. A message will warn you in case the path is not valid.

If the template you have selected is designed for multi destinations,

4. Repeat steps 1 to 3.

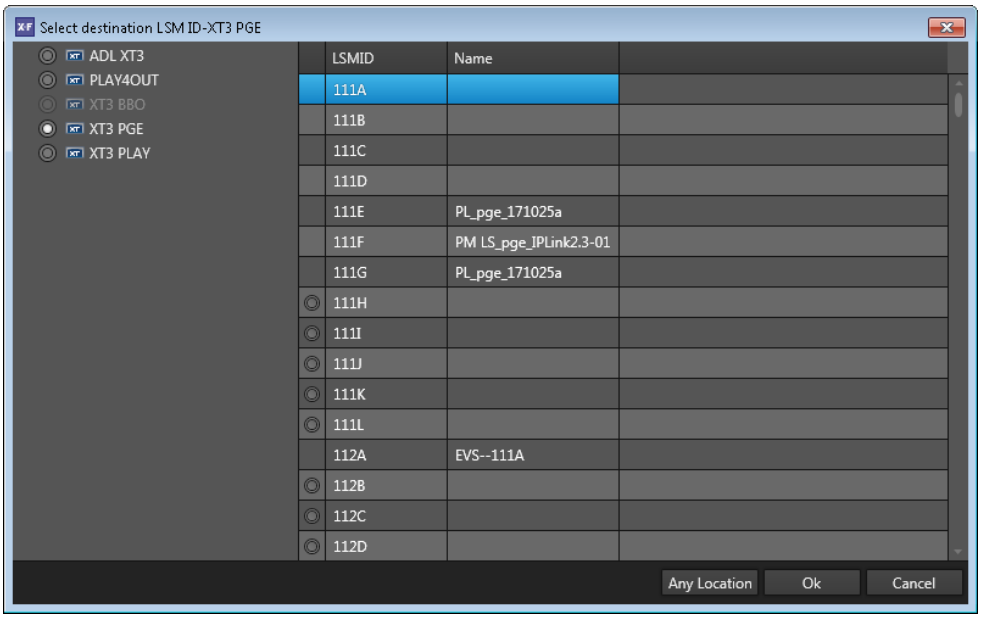
How to Set the Destination Path with the 'To EVS Server' Template

1. Click the **Browse** button ... next to the **Destinations** field.

   The Select Destination window opens.

2. Select the EVS server where you want to archive clips, or playlists, by clicking the corresponding radio button on the left of the window.

   All the positions of the selected EVS server are displayed on the right of the window. a A radio button is present next to free positions.



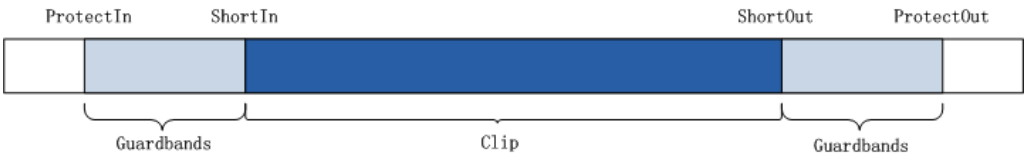
3. Do one of the following:
   - Select the destination position in EVS server by clicking the radio button on the right of the window and click **OK**.

     The selected position will be taken as the starting point for the archiving of clips.
   - Do not select any destination position and click **Any Location**.

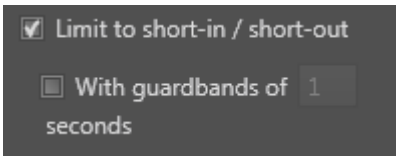
     The first available position on the destination EVS server will be taken as the starting point for the archiving of clips.

5.6. Setting Archive Options

Limit to short-in/short-out



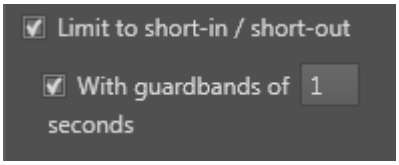
Limit to short-in/short-out



This option is used to limit the portion of the archived clip from the IN point (also called Short IN) to the OUT point (also called Short OUT), which means without its guardbands.

If this option is cleared, the clip will be archived with its original guardbands.

With guardbands



These options are used to define new guardbands for the archived clip, provided that there is enough footage.

For example, if the original guardbands of the clip to be archived last 5 seconds, and the user sets a guardbands value of 10 seconds, XFile3 will take 5 seconds as the valid guardbands value.

If the initial guardbands of the clip to be archived last 15 seconds, and the user sets a guardbands value of 10 seconds, XFile3 will take 10 seconds as the guardbands value.

Possible guardbands values: from 1s to 60s.

PL flatten: assign keywords of the first element

When this option is selected, the keywords of the first playlist element will be assigned to the flattened file resulting from the playlist archiving.

Bandwidth Throttling

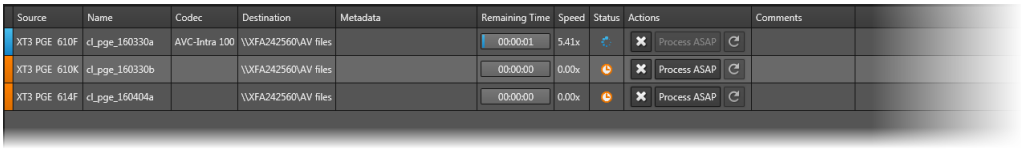
This option is used to limit the use of the network bandwidth per job.

By default, the option is cleared.

Possible values: **50% real time**, **75% real time**, **100% real time**, **125% real time**, **150% real time**, **200% real time**, **300% real time**, **400% real time**.

5.7. Monitoring Jobs

As soon as the Archive job has been defined and the **Archive** button has been clicked, Archive jobs are displayed at the lower part of the Archive tab until they are processed.



A color code, at the beginning of each job line, and a colored icon in the Status column specify the exact status of the current job.

As soon as a job is completed, it disappears from the Jobs pane.

Archive jobs can also be monitored from the Monitoring tab, together with the other types of jobs. See section "Monitoring Jobs" on page 145 for more information.

The section "Managing Jobs" on page 147 details the operations which can be performed on jobs.

The section "Organizing Columns" on page 133 describes the procedures to resize, order and select columns to display.

Jobs Status Color Code

A color code, at the beginning of each job line, and a colored icon in the Status column specify the exact status of each job.

Status	Job Status Color Code	Job Status Icon	Meaning
Waiting			The job has been created and stored in the XFile3 database.
Scheduled			The job has been sent to Xsquare and is scheduled to be processed.
Running			The job is running.
Canceled			User has canceled the job.
Failed			The job failed.

Job Columns Description

Column	Description
Source	LSM ID of the clip to archive, and corresponding server name.
Clip Name	Name of the archived clip.
Codec	Codec of the archived file.
HDR Profile	High Dynamic Range profile of the file.
WCG	Wide Color Gamut profile of the file.
Destination	Destination where the archived clips will be stored.
Remaining Time	Remaining time for the process of each job.
Speed	Current speed of each archiving job by a multiple of x.
Status	Icon representing the current job status.
Actions	Buttons for the management of the job. See section "Managing Jobs" on page 147.
Comments	Information from Xsquare and XFile3.

6. Creating and Applying Auto Restore Rules

6.1. Overview of the Auto Restore Tab

Purpose

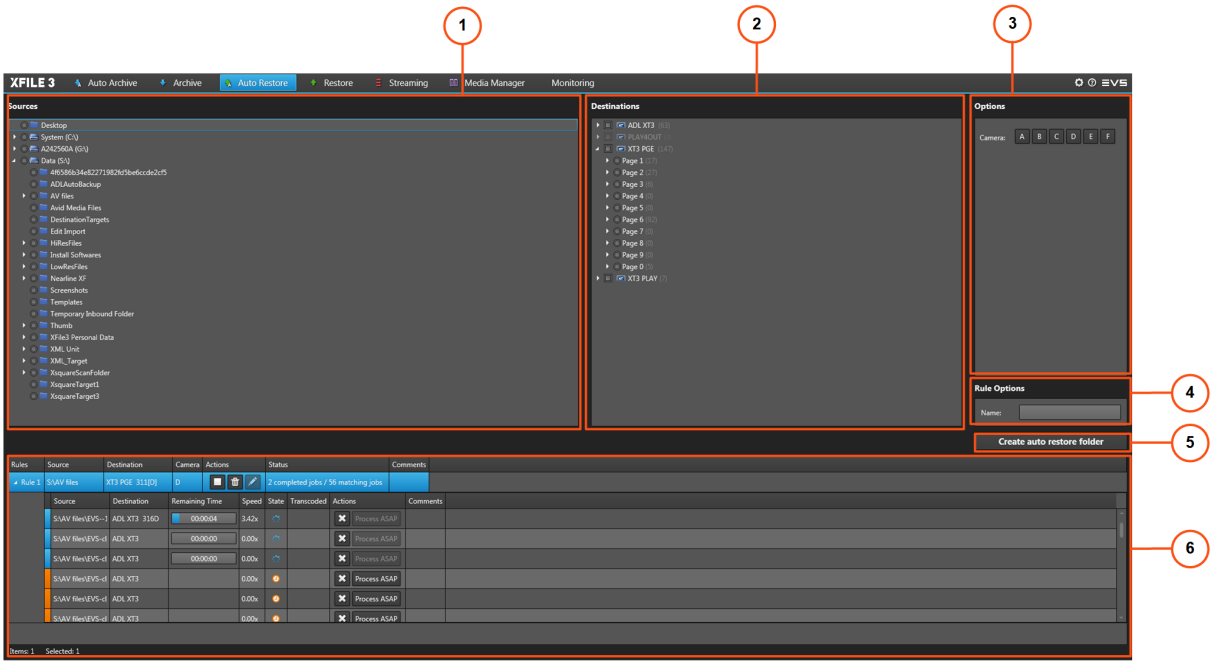
The Auto Restore tab is used to create rules for the automatic restore of archived clips from a local hard drive / folder to the EVS video servers. Specific filters may be set in the rule to refine the list of clips to be restored.

When the C-Next Contribution mode has been enabled, distant locations are available.

Differences and limitations toward the Full Package mode are described in section "Restoring Media to an EVS Server from a Distant Location" on page 171.

Illustration

The Auto Restore tab contains the areas highlighted on the screenshot below:



Area Description

Sources Pane (1)

This area displays all the locations from which clips can be restored:

- detected hard drives, including the local paths, folders and subfolders.

See section "Selecting the Folder Source for Restore" on page 65

Destinations Pane (2)

This area displays all the servers selected from the Settings > Servers Discovery tab and their clip structure, including the pages and banks.

From this area, you will select where clips will be restored.

See section "Selecting the Destination Server Position" on page 66.

Options Pane (3)

This area displays the cameras or network drive credentials if a network drive is selected.

See sections "Defining Filters for the Selection of Clips to be Restored" on page 67 and "Setting Network Drive Credentials" on page 67.

Rule Options (4)

The name field can be used to give a customized name to the rule.

Create Auto Restore Folder Button (5)

This button is used to create the auto restore rule.

Jobs Pane (6)

This area displays all the created jobs and their statuses.

See section "Monitoring Jobs" on page 68.

6.2. Steps for the Creation of Auto Restore Rules

To create auto restore folder,

1. From the Sources pane, select the source folder where clips to restored are stored.

   See section "Selecting the Folder Source for Restore" on page 65

2. From the Destinations pane, select a destination server position to specify where clips will be restored.

   See section "Selecting the Destination Server Position" on page 66.

3. (Optional) Define filters that will be applied to refine the list of clips that will be restored.

   See section "Defining Filters for the Selection of Clips to be Restored" on page 67.

4. If the selected source is a network drive, enter the network drive credentials.

   See section "Setting Network Drive Credentials" on page 67.

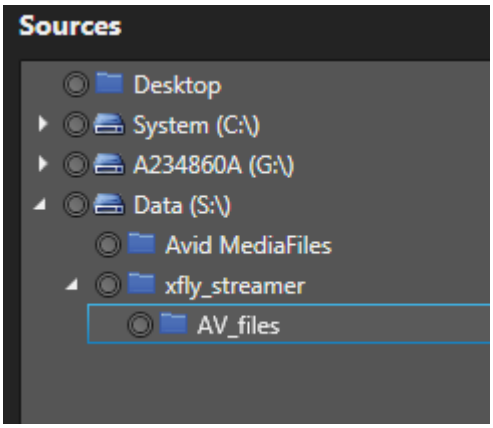
5. (Optional) enter a name for the auto restore rule in the **Rule Options / Name** field (up to 36 characters).
6. Click the **Create auto restore folder** button.

All the jobs will be displayed in Jobs pane. See section "Monitoring Jobs" on page 68.

6.3. Selecting the Folder Source for Restore

Overview of the Sources Pane

The Sources pane displays all the detected local paths and hard drives, including the mobile hard drives, their folders and subfolders, from which clips can be restored. Mapped drives are displayed as well.



How to Select a Source

To select the source from which you want to restore clips,

1. (optional) Check the content of a local folder by right-clicking it and selecting **Open in New Window** from the contextual menu.

   An Explorer window opens and shows the content of the folder.

2. Tick the radio button next to the individual drive or folder. Only one folder can be selected at a time to be used as the restore folder.

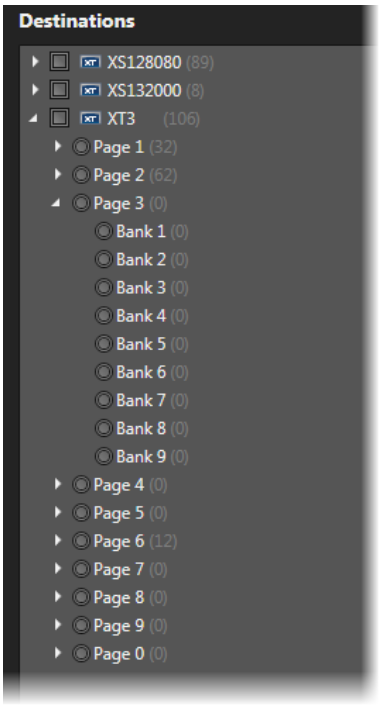
6.4. Selecting the Destination Server Position

Overview of the Destinations Pane

The Destinations pane displays all the servers selected from the Settings > Servers Discovery tab, and their clip structures including pages and banks, where clips can be restored.

The server name displayed here is the SDTI network name of the server. But if the server name has been left blank, the server serial number will be displayed instead.

The total number of clips is displayed between brackets beside each server name, page and bank.



Understanding Clip Numbering Hierarchy on an EVS Video Server

Multicam can store up to 900 clip numbers (multiplied by the number of camera angles) on an EVS video server:

- Every server includes 10 pages (from 0-9).
- Every page contains 9 banks (from 1-9).
- Each bank contains 10 clip positions (from 0-9).

- When the EVS server operates in 6-channel mode, this makes it possible to store 900 clips with up to 6 camera angles per clip, which results in 5,400 clips on an EVS video server.

  When the EVS server operates in 12-channel mode, this makes it possible to store 900 clips with up to 12 camera angles per clip, which results in 10,800 clips on an EVS video server.

How to Select a Destination

To select the destination where you want to restore clips,

- tick the check box next to a server, or a radio button next to a page or bank.

XFile3 will restore from the first available position.

More than one position can be selected, but those selected positions must be on different EVS video servers. All the selected clips will be restored to all the selected servers from the first available position on each server.

6.5. Defining Filters for the Selection of Clips to be Restored

The Options pane provides a Camera filter which allows you to choose the clips to be restored, based on their camera position.

From Multicam 14, up to 12 channels can be used, which corresponds to letter A to L.

By default, cameras A, B, C and D are selected.

To set / unset the filter condition,

- click the corresponding **Camera** button(s).

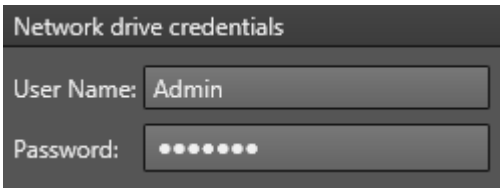
For example, selecting the **A** button will restore clips stored as A clips.

6.6. Setting Network Drive Credentials

If the clips to be restored are on a network drive, a Network Drive Credential pane will be displayed for validation.

To validate network drive credentials,

1. Map the network drive to the local computer.
2. Select the network drive to display the Network Drive Credential pane.
3. Type the correct user name and password.



If the user name or password is incorrect, the auto restore folder cannot be started.

6.7. Monitoring Jobs

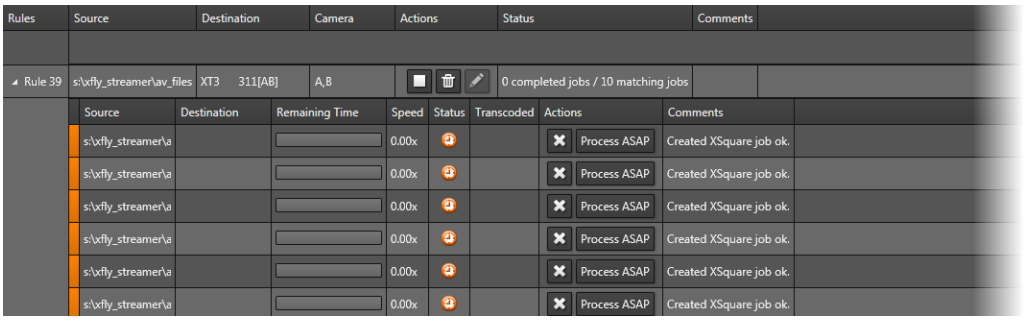
6.7.1. The Jobs Pane in the Auto Restore Tab

Overview of the Jobs Pane

Once an Auto Restore rule has been created, it is displayed at the lower part of the Auto Restore tab.

All the jobs that meet the criteria of the specific rule will be displayed under the rule until they are processed.

Click ▶ at the beginning of a rule line to expand the jobs list for the rule, or ◢ to collapse it.



A color code, at the beginning of each job line, and a colored icon in the Status column specify the exact status of the current job.

When a job is completed, it disappears from the Jobs pane.

Auto Restore jobs can also be monitored from the Monitoring tab, together with the other types of jobs. See section "Monitoring Jobs" on page 145 for more information.

The section "Managing Jobs" on page 147 details the operations which can be performed on jobs.

The section "Organizing Columns" on page 133 describes the procedures to resize, order and select columns to display.

Jobs Status Color Code

A color code, at the beginning of each job line, and a colored icon in the Status column specify the exact status of each job.

Status	Job Status Color Code	Job Status Icon	Meaning
Waiting			The job has been created and stored in the XFile3 database.
Scheduled			The job has been sent to Xsquare and is scheduled to be processed.
Running			The job is running.
Canceled			User has canceled the job.
Failed			The job failed.

Columns Description

Rule Columns Description

Column	Description
Rule	Name of the rule defined by a number automatically incremented.
Source	Path where the clip to restore is stored.
Destination	Selected EVS video server position to restore the clips to.
Camera	Filter defining the bank position of the clip to be restored .
Actions	Buttons for the management of the rule. See section "Managing Rules" on page 70.
Status	Number of completed jobs and total number of jobs matching the rule: `n completed jobs/n matching jobs.`
Comments	Information from Xsquare and XFile3.

Job Columns Description

Column	Description
Source	Path and folder name where the clip is stored.
Destination	Destination position on the EVS video server where the clip will be restored.
Remaining Time	Remaining time for the process of each job.
Speed	Current speed of each restoring job by a multiple of x.
Status	Icon representing the current job status.
Transcoded	Transcoded status of the restored clip. • With icon : the clip is transcoded. • Without the icon: the clip is not transcoded.
Actions	Buttons for the management of the job. See section "Managing Jobs" on page 147.
Comments	Information from Xsquare and XFile3.

6.7.2. Managing Rules

How to Start and Stop a Rule

To start a rule, click  in the Actions column of the Jobs pane. Then all the cancelled jobs in the rule will be running or scheduled.

To stop a rule, click  in the Actions column of the Jobs pane. Then all the jobs in waiting, scheduled and running statuses in the rule will be cancelled.

How to Delete a Rule

To delete a rule, click  in the Actions column of the Jobs pane. Then the rule and all the related jobs will be removed.

How to Edit or Rename an Existing Rule

Instead of deleting a rule and creating a new one, users can edit an existing rule.

To edit a rule,

1. Click  in the Actions column of the Jobs pane

   The rule is loaded in the upper part of the tab.

2. Edit the required items.
3. Click **Update Rule** to save the changes or **Cancel** to discard them.

7. Defining and Applying Restore Jobs

7.1. Overview of the Restore Tab

Purpose

The Restore tab is used to manually restore specific clips or playlists from a selected hard drive / local folder to a selected position of any EVS video server on the network.

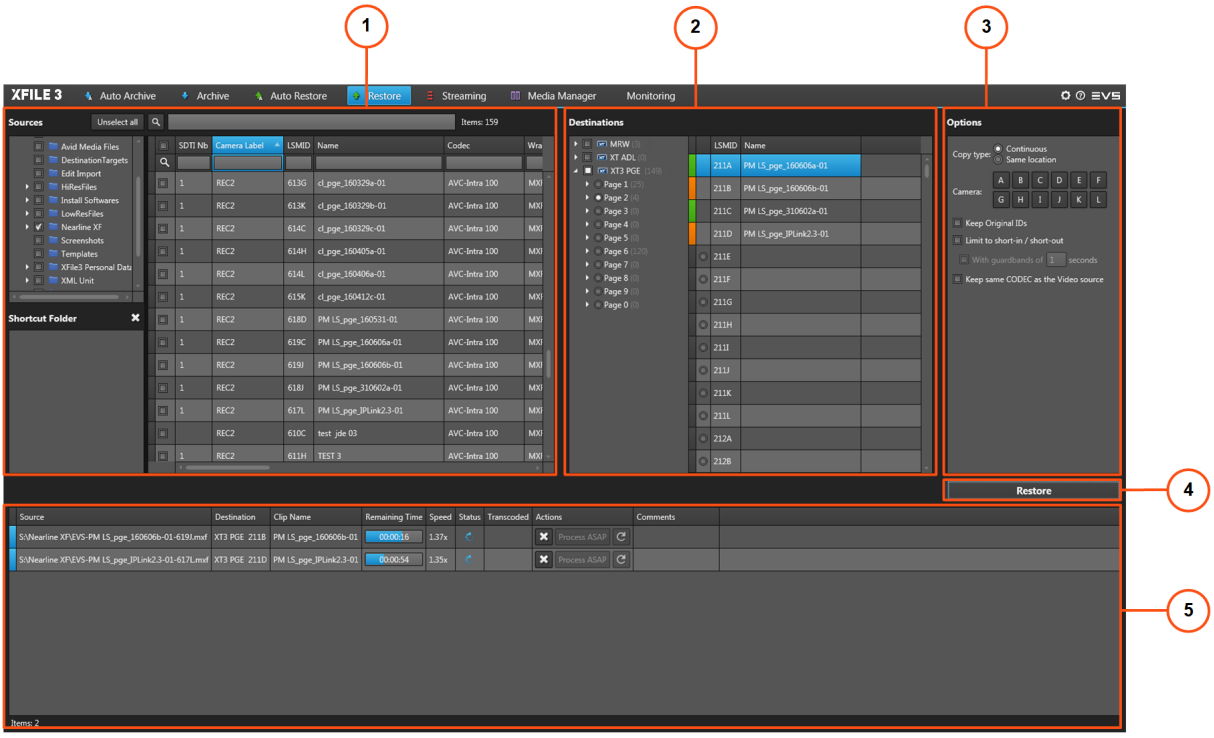
When the C-Next Contribution mode has been enabled, distant locations are available.

Differences and limitations toward the Full Package mode are described in section "Restoring Media to an EVS Server from a Distant Location" on page 171.

The use of XFile3 can be restricted to automatic archive and manual restore when the license key 10-30 has been imported into XSecure. In that case, some features from the Full Package mode are not available from the Restore tab.

Illustration

When XFile3 is started in Full Package mode, the Restore tab contains the areas highlighted on the screenshot below:



Area Description

Sources Pane (1)

This area displays all the locations from which clips can be restored: detected hard drives, including the local paths, folders, subfolders, and clips present in the selected location.

See section "Selecting Clips to Restore" on page 77.

Users can set shortcuts to commonly used folders from the Shortcut Folder area.

See section "Creating Shortcuts to Source Folders" on page 78.

Destinations Pane (2)

This area displays all the servers selected from the Settings > Servers Discovery tab.

From this area, you will select where clips will be restored.

See section "Selecting the Destination Server Position" on page 80.

In Full Package mode, the servers structure, including the pages, banks and some metadata of all the clips, is also displayed.

Options Pane (3)

This area provides some options: the copy type, camera, keep original IDs, Limit to short-in/out, and assign keywords to flattened playlist.

See sections "Defining Filters for the Selection of Clips to be Restored" on page 83 and "Setting Restore Options" on page 83.

Restore Button (4)

This button is used to create restore jobs.

Jobs Pane (5)

This area displays all the created jobs and statuses.

See section "Monitoring Jobs" on page 85.

7.2. Steps for Restoring Clips

To restore clips,

1. From the Sources pane,
   a. Select the path or drive where clips to restore are stored.
   b. Select the clips to restore from the Media grid.

   See section "Selecting the Media Sources" on page 1.

2. From the Destinations pane,
   a. Select the server(s) where to restore clips.
   b. (Optional) If a single server has been selected, select the destination position to be taken as the starting point for restoring clips.

      This is not allowed when several servers have been selected for restoring clips.

   See section "Selecting the Destination Server Position" on page 80.
3. (Optional) Select the Copy Type.

   See section "Setting Options" on page 1.
4. (Optional) Define a Camera filter that will be applied to refine the list of clips that will be restored.

   See section "Defining Filters for the Selection of Clips to be Restored" on page 83.
5. (Optional) Set options to keep original IDs, only restore the portion between the IN point and OUT point, define new guardbands, or keep same codec.

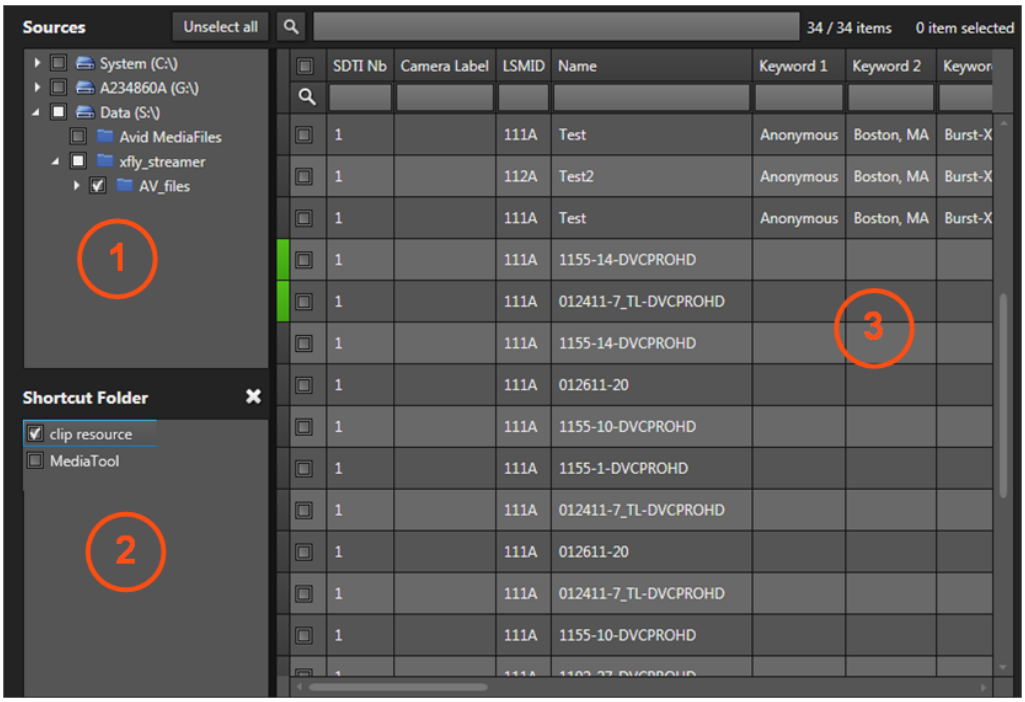
   See section "Setting Options" on page 1.
6. Click **Restore**.

All the jobs will be created and displayed in Jobs pane. See section "Monitoring Jobs" on page 85.

7.3. Selecting the Media Sources

7.3.1. Overview of the Sources Pane

Illustration



Area Description

Drives / Locations List (1)

The top left pane of the Sources pane displays all the detected local paths and hard drives, their folders and subfolders, from which clips can be restored.

Shortcut Folder Area (2)

The bottom left pane of the Sources pane may be used to set shortcuts to Sources folders often used. See section "Creating Shortcuts to Source Folders" on page 78.

Media Grid (3)

The right pane of the Sources pane displays the clips stored in the folder(s) selected in the Drives list.

In the grid, elements are presented in rows and all their associated parameters and metadata are in columns.

Section "Searching for Media" on page 133 describes how to organize columns and how to search for clips.

On the top right of the grid, such information is shown: 

. This represents "the number of searched clips in the drive or folder" / "the total number of clips in all the detected hard drives".

XFile3 can only display up to 5400 clips. If the number of clips is over 5400, XFile3 displays **5400+**.

A color code, at the beginning of each media line, gives indication on the clip Restore status.

Color Code	Clip Restore Status
	not restored
	waiting for restore
	restored

7.3.2. Selecting Clips to Restore

To select the source clips you want to restore,

1. (optional) Check the content of a local folder by right-clicking it in the Drives list and selecting **Open in New Window** from the contextual menu.

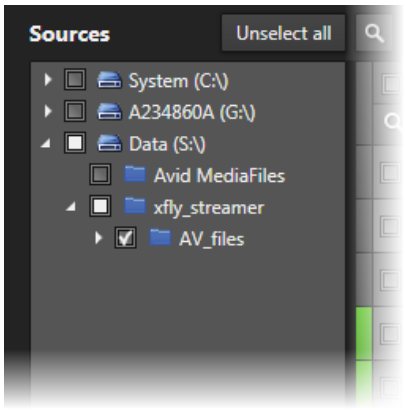
   An Explorer window opens and shows the content of the folder.

2. From the Drives / Locations list, select the sources from which you want to restore clips in one of the following ways:

   - Select the check box next to a drive or folder.

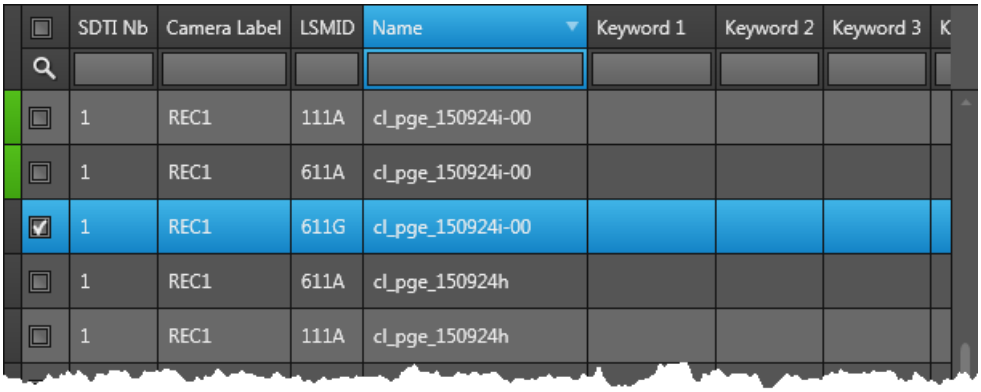
     This will select the folder and all its subfolders, if any.

   - Select multiple drives or folders.
   - Click **Unselect All** to cancel the selection.



   The Media grid displays the clips from the selected drives and folders.

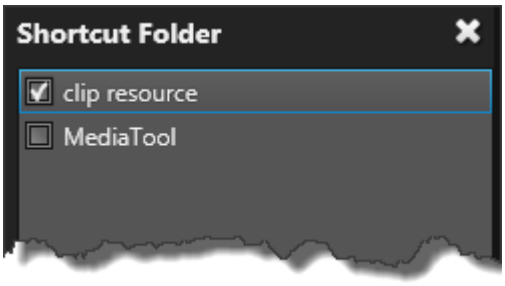
3. From the Media grid, select the check boxes at the beginning of a line to select the corresponding clips.



7.3.3. Creating Shortcuts to Source Folders

Introduction

Users can set shortcuts to commonly used folders from the Shortcut Folder area.



How to Set a Shortcut to a Folder

1. Right-click the drive or folder in the Drives list.
2. Select **Set shortcut folder**.

The selected folder is displayed in the Shortcut Folder list.

How to Delete a Folder Shortcut

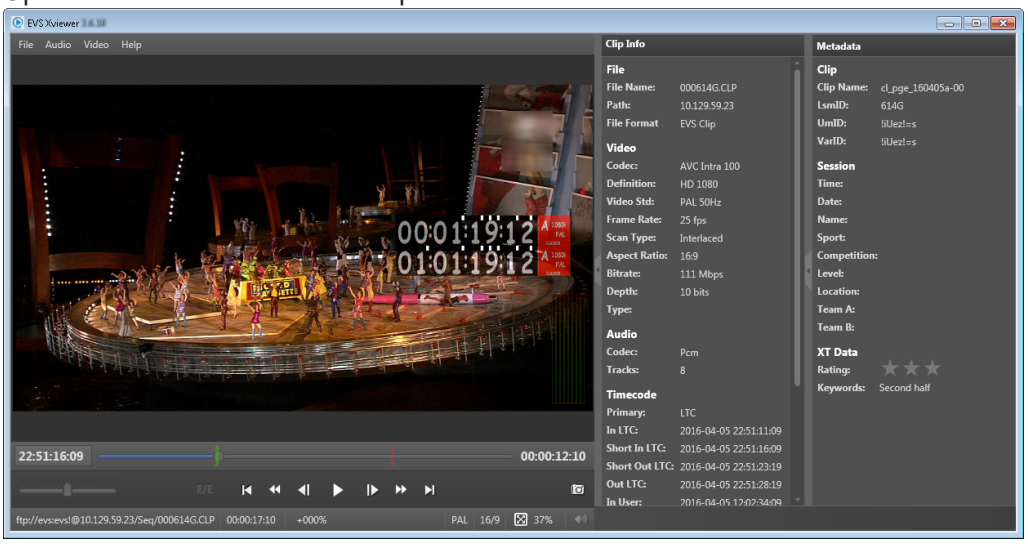
1. Select the folder to be deleted in Shortcut Folder list.
2. Click  .

7.3.4. Previewing Clips and Files

A contextual menu is displayed when right-clicking an element in the Media grid.

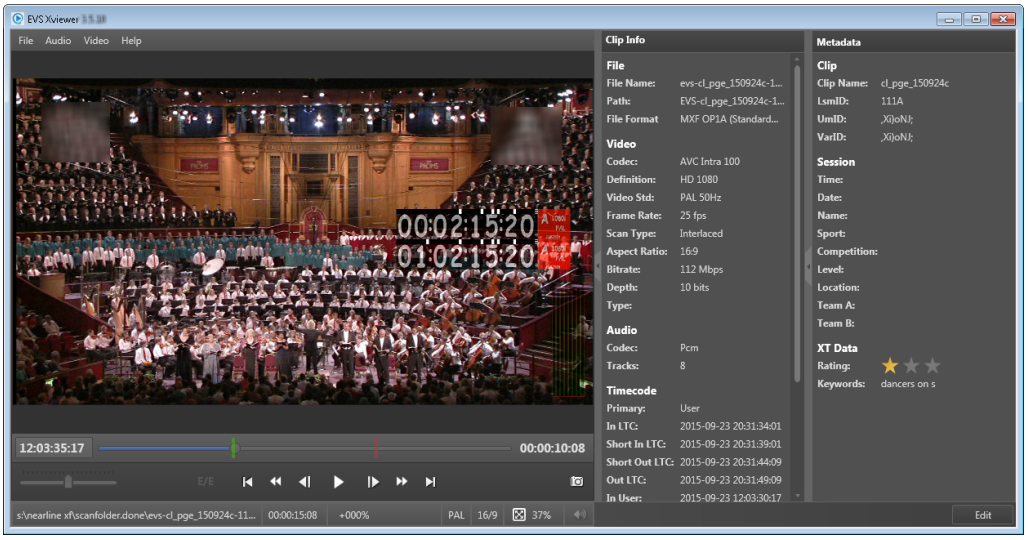
Preview XT Clip

This option is only available when the clip has been restored to an EVS server and it allows previewing the XT clip in an EVS XViewer window.
Up to 4 XViewer windows can be opened at the same time.



Preview File

This option opens the XViewer application, installed together with XFile3, to preview the selected file and control its quality. Refer to the XViewer user manual for more information.



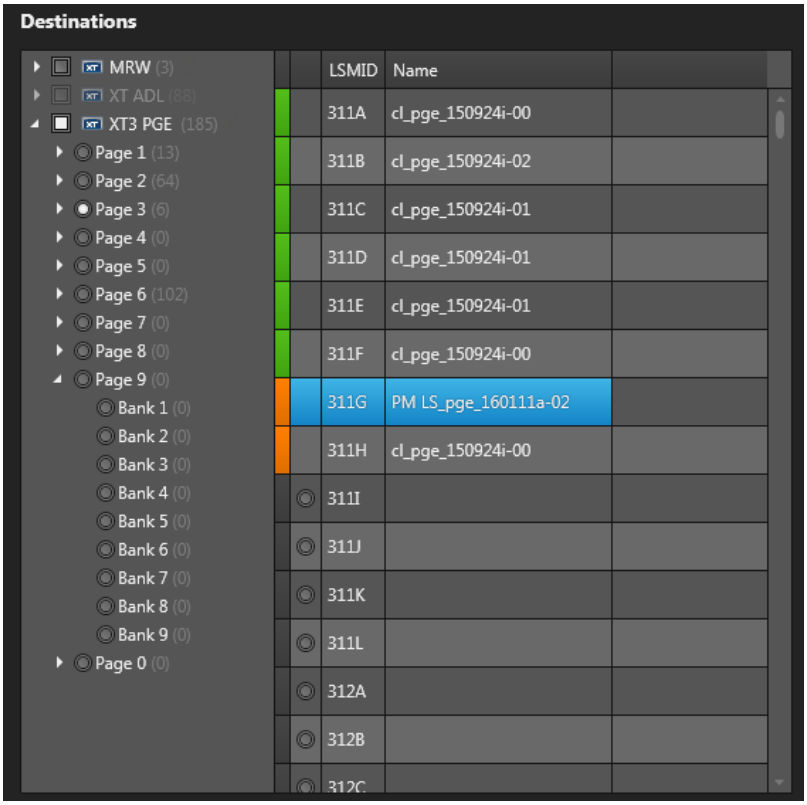
Up to 4 XViewer windows can be opened at the same time.
See also section "Editing a File" on page 122.

Open File Location

This option opens an Explorer window with the content of the disk folder where the file is stored.
A tooltip over the **Open File Location** option provides the path to the file storage location.

7.4. Selecting the Destination Server Position

7.4.1. Overview of the Destinations Pane



Servers List

The left pane of the Destinations pane displays all the servers selected from the Settings > Servers Discovery tab, and their structures, including pages and banks, where clips can be restored.

The server name displayed here is the SDTI network name of the server. But if the server name has been left blank, the server serial number will be displayed instead.

The total number of clips is displayed between brackets beside each server name, page or bank.

Destination Server Positions Grid

The right pane of the Destinations pane displays the positions for the selected server/page/bank.

A color code, at the beginning of each position line, gives indication on the position availability and clip Restore status.

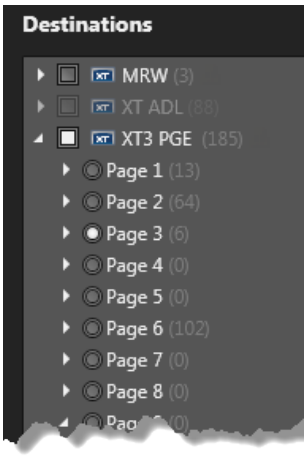
Color Code	Position Availability and Clip Restore Status
	The position is available. No clip has been restored in it yet.
	The position is occupied. A clip is waiting or scheduled to be restored in this position.
	The position is occupied. A clip has been restored in this position.

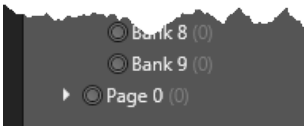
7.4.2. How to Select the Destination Server Position

How to Select the Destination to Restore Clips to a Single Server

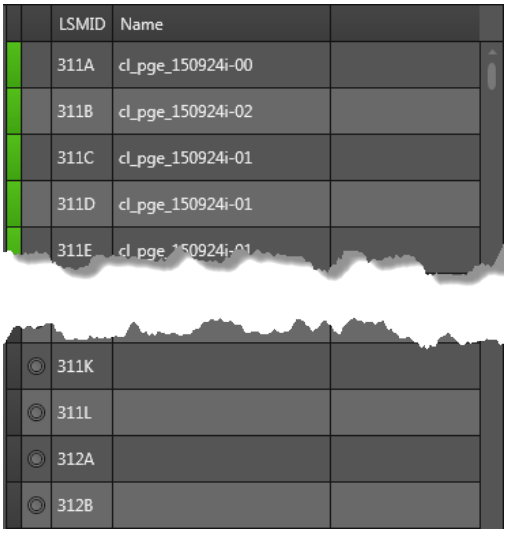
To select the destination where you want to restore clips,

1. From the Servers list, tick the button next to the server, page or bank.





All the positions from the selected server/page/bank are displayed in the Destination Server Positions grid. A radio button is displayed in front of the empty positions.



2. Select the destination position to be taken as the starting point for restoring clips by clicking the radio button in front of the position line.

NOTE

If you do not select a position, XFile3 will restore from the first available position.

How to Restore Clips to Several Servers

To restore clips to several servers,

- From the Servers list, tick the button(s) next to each server.

  The positions corresponding to the selected servers will not be displayed. So you will not be allowed to select a starting point for the restore.

All the selected clips will be restored to all the selected servers from the first available position on each server.

7.5. Defining Filters for the Selection of Clips to be Restored

The Options pane provides a Camera filter which allows you to choose the clips to be restored, based on their camera position.

From Multicam 14, up to 12 channels can be used, which corresponds to letter A to L.

By default, cameras A, B, C and D are selected.

To set / unset the filter condition,

- click the corresponding **Camera** button(s).

For example, selecting the **A** button will restore clips stored as A clips.

7.6. Setting Restore Options

Copy Type

You can choose to select the copy types, the two copy types are available.

By default, **Continuous** is selected.

Copy Type	Description
Continuous	The clips to be restored will be restored to the available positions one by one from the selected starting point, taking the filter options into consideration.
Same Location	The topology position of all the clips to be restored will keep the same topology with that in EVS server. If the position for restoring is unavailable, the clip will not be restored. The first clip must correspond to the same location in EVS server, if not, the clip will not be restored, and other clips will keep the same topology as well.

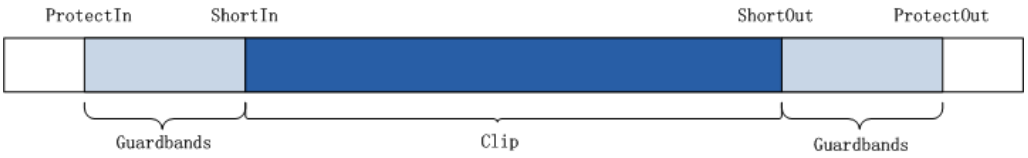
Keep Original IDs

This option is used to keep the original IDs of the restored clips in EVS servers. This includes UmID, VarID and MATERIAL ID.

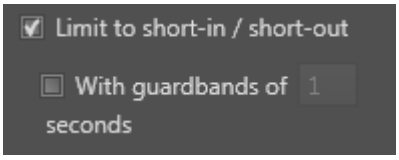
If the option is not selected, new IDs will be assigned to the restored clips.

The **Keep Original IDs** option cannot be selected together with the **Limit to short-in/short-out** option.

Limit to short-in/short-out



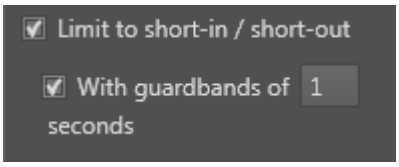
Limit to short-in/short-out



This option is used to limit the portion of clip restored from the IN point (also called Short IN) to the OUT point (also called Short OUT), which means without its guardbands.

If this option is cleared, the clip will be restored with its guardbands.

With guardbands



These options are used to define new guardbands for the restored clip, provided that there is enough footage.

For example, if the original guardbands of the clip to be restored last 5 seconds, and the user sets a guardbands value of 10 seconds, XFile3 will take 5 seconds as the valid guardbands value.

If the initial guardbands of the clip to be restored last 15 seconds, and the user sets a guardbands value of 10 seconds, XFile3 will take 10 seconds as the guardbands value.

Possible guardbands values: from 1s to 60s

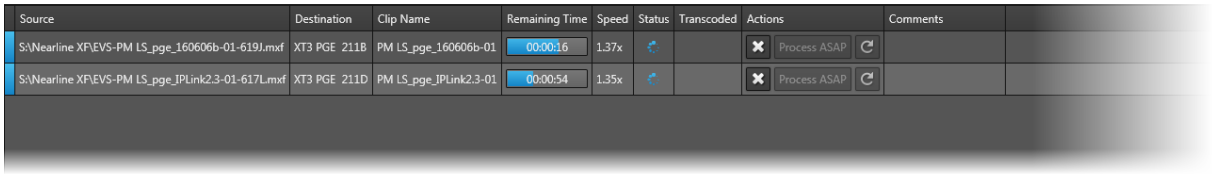
Keep Same CODEC as the Video Source

This option is used to restore the clip without transcoding, so the codec of the original file will be kept.

7.7. Monitoring Jobs

Overview of the Jobs Pane

As soon as the Restore job has been defined and the **Restore** button has been clicked, Restore jobs are displayed at the lower part of the Restore tab until they are processed.



A color code, at the beginning of each job line, and a colored icon in the Status column specify the exact status of the current job.

When a job is completed, it disappears from the Jobs pane.

Restore jobs can also be monitored from the Monitoring tab, together with the other types of jobs. See section "Monitoring Jobs" on page 145 for more information.

The section "Managing Jobs" on page 147 details the operations which can be performed on jobs.

The section "Organizing Columns" on page 133 describes the procedures to resize, order and select columns to display.

Jobs Status Color Code

A color code, at the beginning of each job line, and a colored icon in the Status column specify the exact status of each job.

Status	Job Status Color Code	Job Status Icon	Meaning
Waiting			The job has been created and stored in the XFile3 database.
Scheduled			The job has been sent to Xsquare and is scheduled to be processed.
Running			The job is running.
Canceled			User has canceled the job.
Failed			The job failed.

Job Columns Description

Column	Description
Source	Path and folder name where the clip is stored.
Destination	Destination position on the EVS video server where the clip will be restored.
Remaining Time	Remaining time for the process of each job.
Speed	Current speed of each restoring job by a multiple of x.
State	Icon representing the current job status.
Transcoded	Transcoded status of the restored clip. • With icon : the clip is transcoded. • Without the icon: the clip is not transcoded.
Actions	Buttons for the management of the job. See section "Managing Jobs" on page 147.
Comments	Information from Xsquare and XFile3.

8. Defining Streaming Jobs and Recording Streams

8.1. Overview of the Streaming Tab

Purpose

The Streaming tab is used to back streams up from selected record trains of EVS video servers to predefined destination(s) according to a requested format (job template).

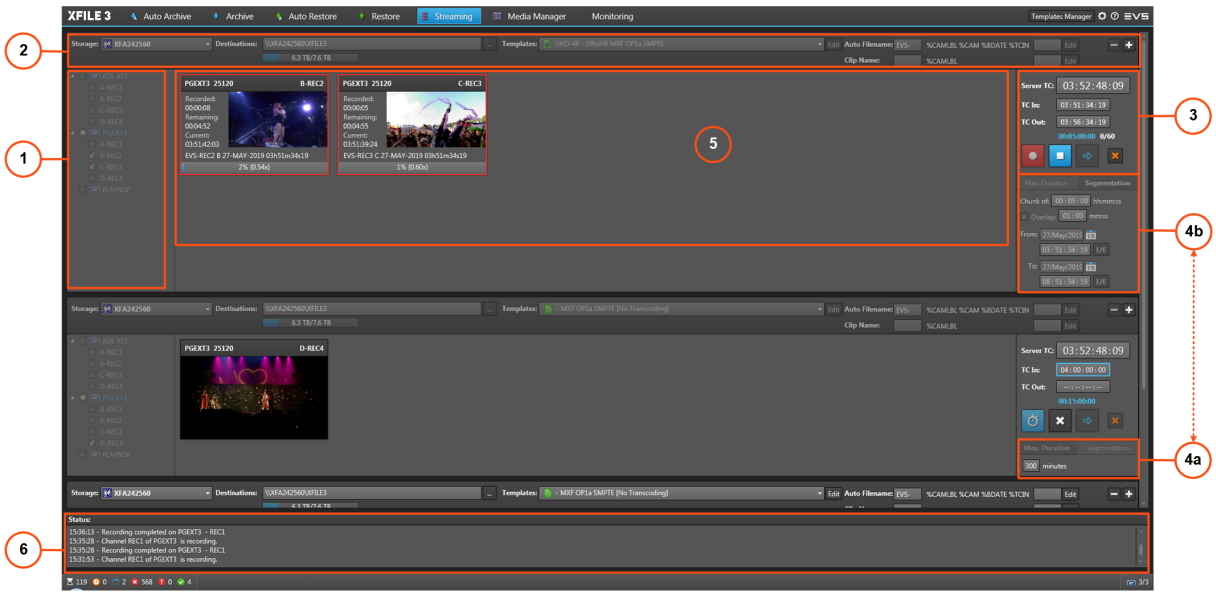
This can be performed simultaneously with the live ingest process.

Independent groups of streams can be recorded from XFile3. In this case, several Streaming areas will be displayed in the Streaming tab (see 1 to 5 in the following screenshot). This means that users will be able to define different streaming settings between the different areas. See section "Recording Streams from Independent Groups of Recorders" on page 110.

The use of XFile3 can be restricted to streaming when the license key 10-20 has been imported into XSecure. In that case, the Streaming tab is the only tab displayed. Some features from the Full Package mode are not available from the Streaming tab. See section "Streaming Mode" on page 161.

Illustration

With the full package mode, the Streaming tab contains the areas highlighted on the screenshot below:



Area Description

Servers List (1)

This area displays the list of all servers selected from the Settings > Servers Discovery tab. It is used to select the servers and their camera angles to be streamed.

See section "Servers List and Recorder Channels" on page 1.

Storage Device and Settings (2)

This area is used to select the device (e.g. XF3) where the A/V files will be stored, to set the file destination folder, to set the A/V file format and the auto naming pattern.

See sections "Selecting the Storage Device and the Destination Path" on page 90, "Selecting Job Templates" on page 91 and "Setting the Auto Filename and Clip Name" on page 92.

Several lines can be displayed to back the files up to several destinations, for redundancy purpose.

See section "Redundancy of Streamed Files" on page 92.

In Full Package mode, the Template Manager tool is used to manage the list of templates available in the tab. This tool is not available with the Streaming only mode. See section "Managing Templates" on page 136.

Stream Recording Commands (3)

This area displays the timecode reference and the commands to set, schedule, start and stop the recordings.

See section "Stream Recording Commands" on page 1.

Recording Settings (4)

Users can choose to record each stream in a single file with a maximum duration, or to segment each stream in several files with, or without, overlap.

Maximum Duration (4a)

This area displays when the Max. Duration tab is selected.

Users can set the maximum duration for streams by direct entry in the **Max Duration** field. The value can be modified during the recording. Possible values range from 1 to 300 minutes.

Segmentation (4b)

This area displays when the Segmentation tab is selected.

Users can set the segment duration, overlap parameters, and the start and stop times of the stream.

Channels Area (5)

This area shows streaming information for the server recorder channels selected in the Servers list.

See section "Overview of Channels Area" on page 95.

Status Area (6)

This area provides information on the actions performed on the system and on the potential problems.

8.2. Steps for Recording Streams

To create streaming jobs,

1. From the **Storage** field in the Storage Device and Settings pane, select a device to specify where streams will be backed up.

   See section "Selecting the Storage Device and the Destination Path" on page 90.

2. From the **Destination** field in the Storage Device and Settings pane, select a destination to specify where streams will be backed up.

   See section "Selecting the Storage Device and the Destination Path" on page 90.

3. From the **Templates** field in the Storage Device and Settings pane, select a job template that specifies the job process to be done by Xsquare.

   See section "Selecting Job Templates" on page 91.

4. From the Auto Filename area and the Clip Name area, set a format string for the name of the recorded stream files and a format string that will be used as clip name.

   See section "Setting the Auto Filename and Clip Name" on page 92.

5. From the Servers list, select the source EVS server and/or recorder channels from which you want to record streams.

   See section "Selecting the Recorder Channels" on page 97.

   Thumbnails for the corresponding media are displayed in the Channels area.

6. Set the maximum duration for the recorded stream(s).

   See section "Recording a Stream in Standard Mode" on page 102.

7. (Optional) To segment the recorded streams in several files, set the parameters for the segments.

   See section "Recording a Stream in Multiple Segments" on page 1.

8. Click the **Record** button.

   See section "Recording Streams" on page 98.

8.3. Selecting the Storage Device and the Destination Path

Storage Device

The device (e.g. XF3) where the recorded streams will be stored is selected from the Storage area.

At start-up, storage systems are detected on the local network thanks to the Bonjour protocol. Those storage locations are listed in the Storage area drop-down list.

TIP

The local storage device is displayed with bold letters in the list.

Once a storage device has been selected, its capacity information is written as follows: remaining capacity / total capacity. This is given by the SNMP protocol.

Destination Path

The **Destination** field specifies the path where the streamed files will be saved, for all the selected channels.

It may not be left empty.

The Destination path can be defined in one of the following ways:

- Enter the path manually in the **Destination** field, or use the copy/paste commands.

  If the path is not valid, the field is surrounded by a red line.

- Select the path by clicking the 

button and browsing to the Destination folder.

A description is displayed under the **Destination** field. It relates to the wrapper type of the template selected in the **Template** field.

When the template selected from the **Template** field has been configured to back files up to more than one destination path, several **Destination** fields are displayed. See section "Redundancy of Streamed Files" on page 92.

Storage and Destination Displayed

The **Storage** field and the **Destination** field are mutually dependent.

- At first start up, the local storage device is detected and displayed in the **Storage** field. Its default path is displayed in the **Destination** field.

  The default destination path is written as follows:

  \\Machine_Name\XFILE3
- As soon as another storage device is selected in the **Storage** field, its default path is displayed in the **Destination** field.
- If another destination path from the same storage device is selected, the **Storage** field does not change.
- If a destination path from another storage device detected by the Bonjour protocol is selected, the **Storage** field is updated with the corresponding storage device name.
- The parameters are memorized and will be displayed at next start up.

Several lines with Storage and Destination areas may be displayed if the selected template has been configured to back files up to more than one destination path. See section "Redundancy of Streamed Files" on page 92.

8.4. Selecting Job Templates

8.4.1. Selecting a Job Template

The **Template** field is used to select a job template that specifies the job process to be done by Xsquare.

The list of templates available in the Streaming tab can be restricted from the Template Manager tool. See section "Selecting Templates from the Template Manager Tool" on page 138.

A new User template can be created thanks to the **Edit** button. It is then automatically selected. See section "Creating or Editing a Template" on page 139.

At first start-up, the default template displayed is MXF OP1a SMPTE (single destination).

At next start up, the last template selected will be displayed.

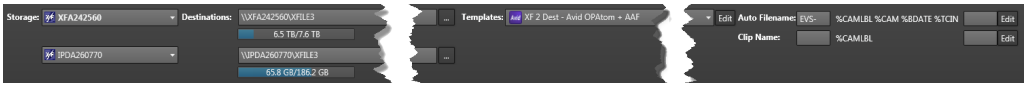
NOTE

If a destination path is defined in the selected Xsquare template, XFile3 overwrites it with the one entered in the **Destination** field.

8.4.2. Redundancy of Streamed Files

Some templates may have been configured to back files up to more than one destination path to ensure file redundancy.

When such a template is selected from the **Template** field, as many lines as destinations paths configured are displayed:

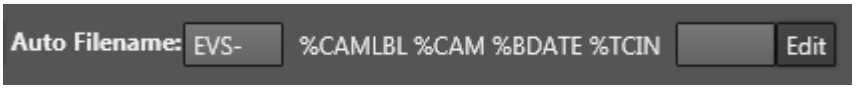


The auto filename format string and the clip name are applied to all of the destinations. See section "Setting the Auto Filename and Clip Name" on page 92.

8.5. Setting the Auto Filename and Clip Name

Introduction

The **Auto Filename** area is used to define a format string for the filename of the streamed files.



The **Clip Name** area is used to define a name for the media. The clip name will be stored as a metadata in the XML file. So, this will be the value translated each time the `%NAME` variable is used.

A prefix can be defined for each of them, so the filename or the clip name of all the recorded files will begin with the same set of characters until users change it. A suffix can be set too.

The format strings of both names are user-defined and can be modified as described below. They are made up of one or several parameters. They are memorized between sessions.

The default auto filename format string, with prefix, is:

```
EVS- %CAMLBL %CAM %BDATE %TCIN
```

The default clip name format string is `%CAMLBL` without any prefix nor suffix.

When several destinations have been set in the selected template, the filename format string and the clip name format string are applied to all of them. See section "Redundancy of Streamed Files" on page 92.

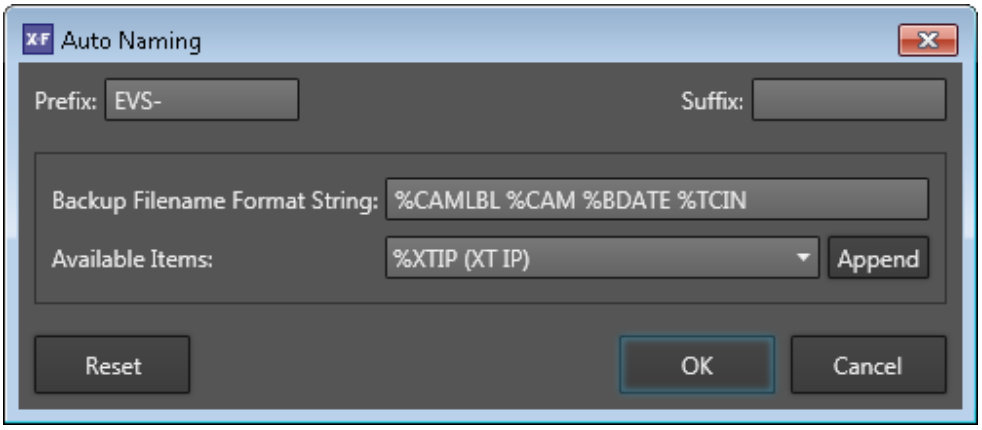
When an EVS server works in TwinRec mode, the streamed files from a pair of recorder will have the same filename, as set in the **Auto Filename** area, followed by **(a)** or **(b)**.

How to Define or Modify the Format String

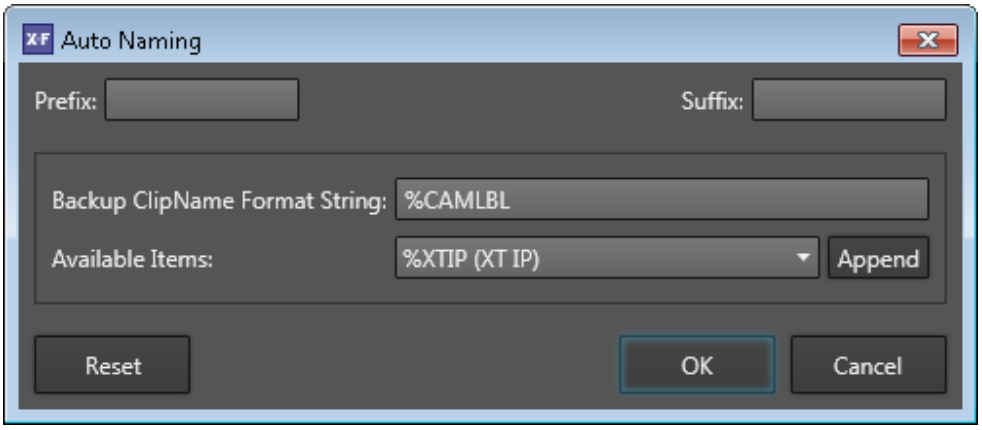
1. Click the **Edit** button next to the Auto Filename or Clip Name area.

   The AutoNaming window opens.

   For the filename:



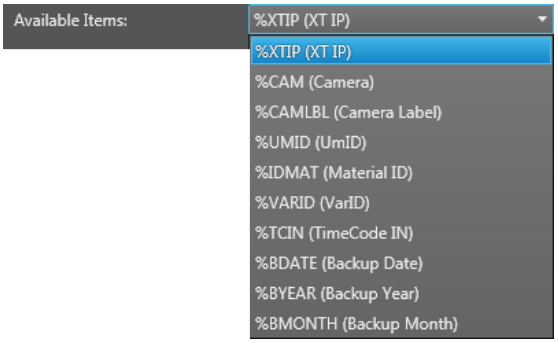
   For the clip name:



2. If required, modify (or define) the prefix by direct entry in the **Prefix** field.
3. (optional) Enter a suffix in the **Suffix** field.
4. From the **Backup Filename (or Clip Name) Format String** field, you can modify the format string as follows.

   a. To delete any part of the string, select it and press the **Delete** key.

b. To add information, select an item from the Available Items drop-down list:



Click the **Append** button to add the selected item at the end of the field.

c. To modify the position of the items in the field, use the cut/paste commands (**CTRL** + **X**, **CTRL** + **V**).

5. If you want to restore the default name format string, click the **Reset** button .
6. Click **OK**.

8.6. Selecting and Displaying the Recorder Channels

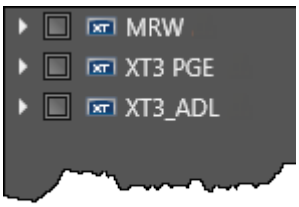
8.6.1. Overview of Servers List and Channels Area

Overview of the Servers List

The selection of server recorder channels which record the media to be streamed is done from the Servers list.

At start-up, all available servers found on the network are listed. This list is updated regularly and automatically by discovery processes. However, it is also possible to add a server which could have not been detected by using its IP address. See section "Settings" on page 16.

The Servers list displays all the servers selected from the Settings > Servers Discovery tab.



Overview of Channels Area

Description

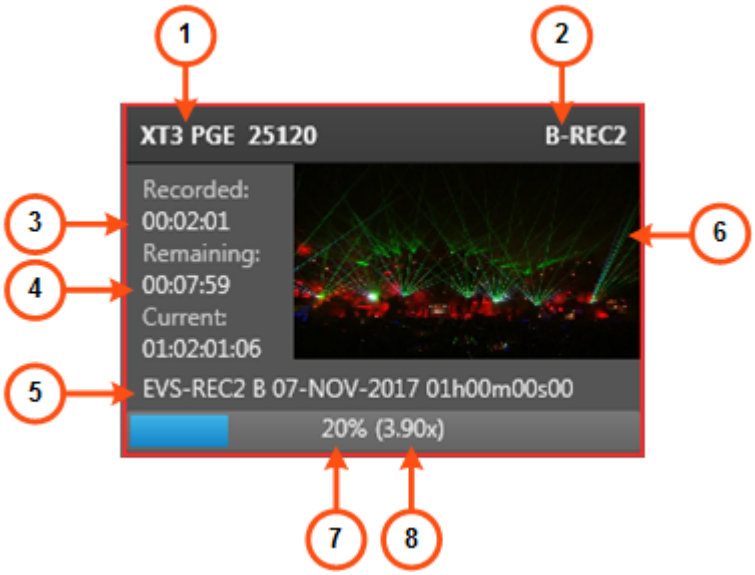
The Channels area is empty when no recorder channel has been selected in the Servers list.

As soon as a recorder is selected, some relative information is displayed. For EVS servers set in TwinRec mode, the selection of a pair of recorder channels results in the display of two areas.

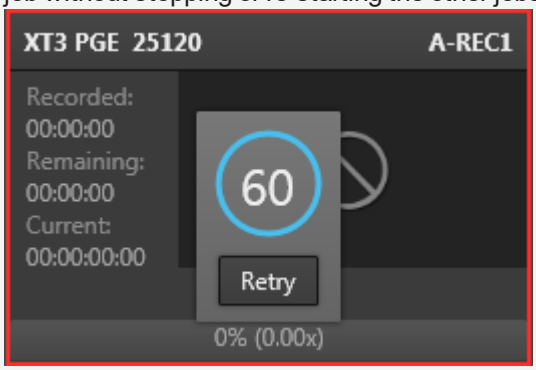
As soon as streams are being recorded, the information is updated.

Illustration

The Channels area contains the information highlighted on the following screenshot for each selected recorder channel, when a stream is being recorded:



#	Area meaning
1.	Server Name and Serial Number.
2.	Recorder channel name, camera name or CamLabel, if available. For pairs of channels of an EVS server in TwinRec mode, **(a)** or **(b)** is added to the name.
3.	Duration of the stream already recorded.
4.	Remaining time to record.
5.	Filename of the backup file, as set in the **Auto Name** field.
6.	Grabbed thumbnail. A red frame is displayed during recording.
7.	Percentage of recorded file.

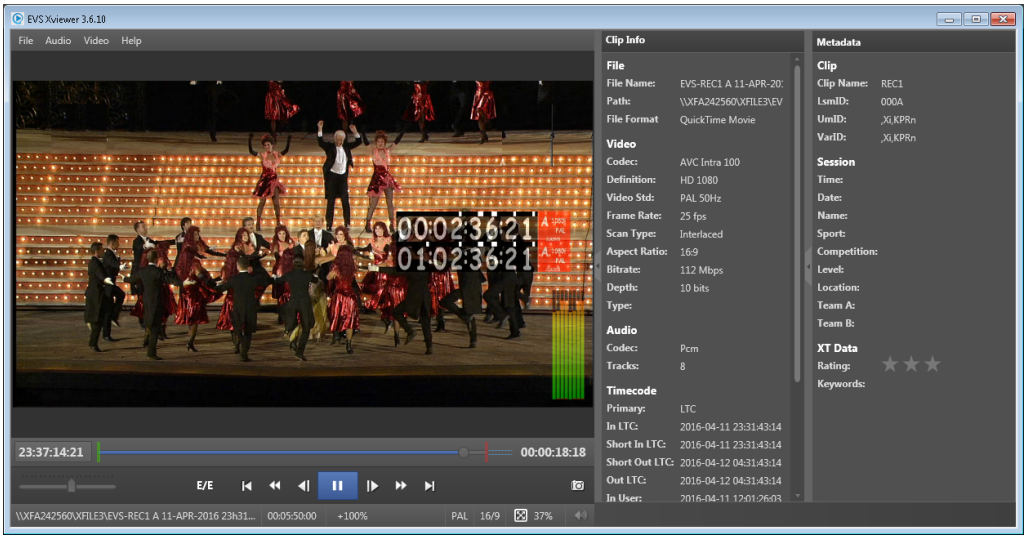
#	Area meaning
8.	Speed of recording.
-	**Retry** button: In case an error occurred during the recording, a **Retry** button is displayed in the Channels area for each recorder channel with failed job(s). It allows users to retry the job without stopping or re-starting the other jobs in progress.  For pairs of channels of an EVS server in TwinRec mode, clicking one of the **Retry** button automatically starts the Retry process for both channels.

Contextual Menu

A contextual menu is available when right-clicking the thumbnail of a recording channel. Each option gives access to a submenu with the list of the files being recorded.

Preview File

This option opens the XViewer application, installed together with XFile3, to preview the selected file and control its quality. Refer to the XViewer user manual for more information.



Up to 4 XViewer windows can be opened at the same time.

Open File Location

This option opens an Explorer window with the content of the drive folder where the file is stored.

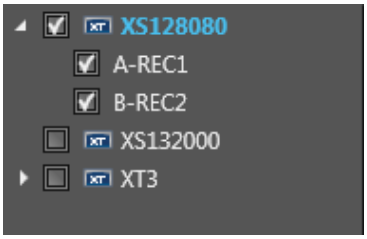
A tooltip over the **Open File Location** option provides the path to the file storage location.

8.6.2. Selecting the Recorder Channels

How to Select Recorder Channels

1. Click the arrow next to a server name.

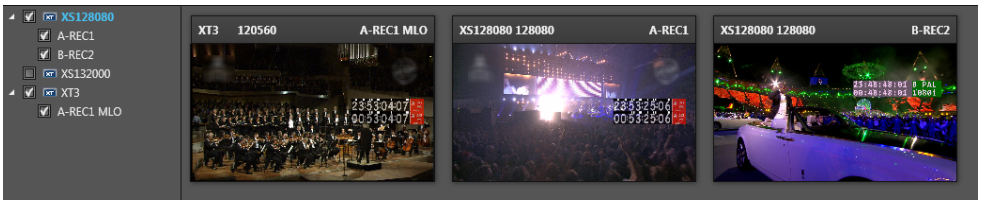
   Its list of recorder channels expands:



   With Multicam 14, up to 12 recorder channels can be displayed, depending on the server configuration.

2. Select the required recorder channels.

   The corresponding server names are written in blue in the Servers list and the Channels area provides information for the selected recorder channels:

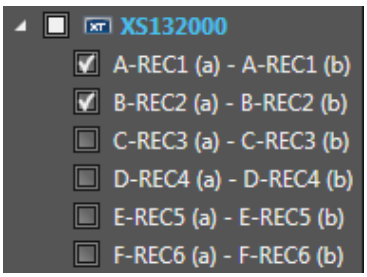


   See section "Overview of Channels Area" on page 95.

Display of Recorder Channels in TwinRec Mode

When an EVS server works in TwinRec mode, recorder channels are grouped by pair for a codec module.

In the Servers list, they automatically display as pairs of channels, and they could only be selected by pairs. Both channels from a pair have the same name, followed by **(a)** or **(b)**.



See section "TwinRec Feature" on page 1 for the limitations of the TwinRec feature.

When an EVS server works in TwinRec mode, the selection of a pair of recorder channels results in the display of two rectangles in the Channels area. In this case, channels from a pair have the same name, followed by **(a)** or **(b)**.

8.6.3. Selecting the Server Used for Timecode Reference

The first server selected is used to give the timecode reference for all the jobs.

To select another server for timecode reference, proceed as follows:

1. Right-click the server name in the Servers list.
2. Select the **Select TC Reference** option form the contextual menu.

The server used for TC reference is written in blue:

The **Server TC** field is updated.

8.7. Recording Streams

8.7.1. Introduction

Users can record each stream in a single file, or, they can record them into several files of various lengths by deciding on the fly where to stop the recording and automatically start the recording of the next file. This will be referred to as the Standard Recording mode in the current chapter.

Users can also choose the Segment Recording mode, by setting, in advance, a fixed duration for all the segments of a stream with, or without, an overlap between them.

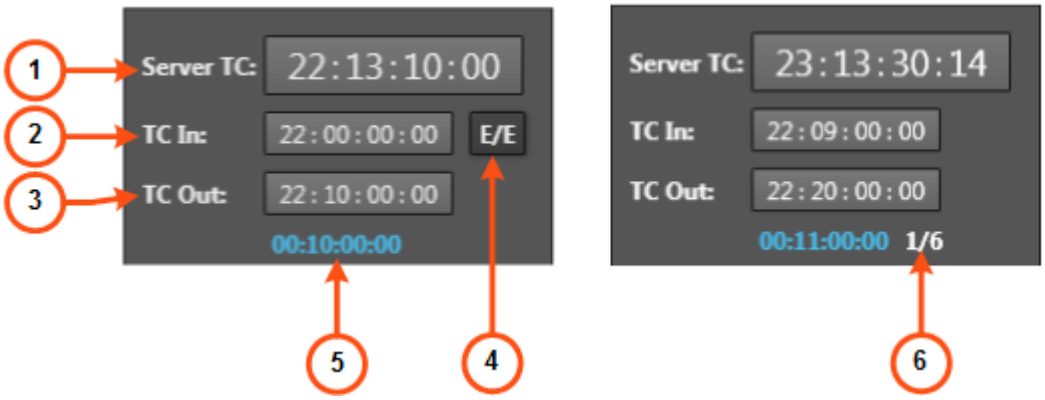
The streams will be recorded from all the recorder channels selected in the Servers list.

The recording can start immediately, or start in the past provided that the corresponding media is still available. It can also be scheduled in the future.

For EVS servers set in TwinRec mode, a command applied to one of the recorder channels from a pair will automatically be applied to the associated channel. So, two streams will automatically be sent to the selected destination path(s).

8.7.2. Stream Recording Commands

Recording Controls



Server Timecode Field (1)

Timecode reference of the server selected from the Servers list and written in blue in the Servers list.

This field is not editable.

TC IN Field (2)

This field is editable.

- It is used in the Standard Recording mode to enter the timecode value which will be used as IN point for the recording of the stream. See section "Recording a Stream in Standard Mode" on page 102.
- In the Segment Recording mode, it represents the TC IN value of the segment being recorded. See section "Recording a Stream in Multiple Segments" on page 1.

The value can be in the past, provided that the corresponding media has not been overwritten, or it can be in the future.

The **TC IN** field is surrounded by a blue line when the value is set in the future:

TC OUT Field (3)

This field is editable.

- It is used in the Standard Recording mode to enter the timecode value which will be used as OUT point to stop the recording of the stream. See section "Recording a Stream in Standard Mode" on page 102.
- In the Segment Recording mode, it represents the TC OUT value of the segment being recorded. See section "Recording a Stream in Multiple Segments" on page 1.

The TC OUT value must be higher than the TC IN value and cannot results in a file duration longer than the maximum duration set in the **Max Duration** field.

E/E Button (4)

This button appears next to the **TC IN** field as soon as a value is entered in this field.

It disappears as soon as the recording starts.

Clicking the **E/E** button clears the values entered in the **TC IN** and in the **TC OUT** fields and grabs the current server timecode into the **TC IN** field.

Duration Field (5)

This read-only field appears under the **TC OUT** field.

The value represents the stream duration computed from the TC IN and TC OUT values displayed, or, if TC OUT is not known yet, it corresponds to the maximum duration set in the **Max Duration** field.

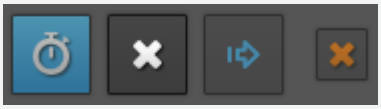
Segments Counter (6)

In the Segment Recording mode, this represents the number of segments already recorded / the total number of scheduled segments.

The counter is highlighted when the last recording is in progress.

Recording Buttons

The stream recording buttons have different appearances depending on the recording state.

No recording scheduled or on-going	
Recording scheduled	
Recording on-going in Standard Recording mode	
Recording on-going in Segment Recording mode	

The different states of the buttons are explained in more details hereafter.

Button	Button Display	Meaning / Displayed when	Action
Record		No recording is on-going.	• If no recording start time has been defined or if it is set in the past, clicking this button instantly starts the stream recording from all the selected channels. • If the recording start time has been set in the future, clicking this button schedules the recording of the streams from all the selected channels.
		The recording is in progress.	No action.
		The recording start time has been set in the future and the **Record** button has been clicked but the recording has not started yet.	No action.
Stop		No recording is on-going.	No action.
		The recording is in progress.	Stops the recording of the streams from all the selected channels at the current timecode. Files are recorded with the same duration from the different channels.
Cancel Schedule		This button is displayed instead of the **Stop** button. The TC IN value has been set in the future and the **Record** button has been clicked but the streams recording is not on-going yet.	Cancels the scheduled record.
Stop and Start		This button is displayed: • when no recording is on-going. OR • in Segment Recording Mode, when the recording is in progress.	No action.
		In Standard Recording Mode: the recording is in progress and can be stopped and automatically started in a new file.	Stops the recording of the streams from all the selected channels at the current timecode, and immediately starts the recording of new files from the same timecode.

Button	Button Display	Meaning / Displayed when	Action
Stop Now		No recording is on-going.	No action.
		The **Stop Now** button is available as soon as the recording of a stream starts.	Stops immediately all the recordings. Users will then have the possibility to delete the files already recorded or to keep them. This may result in files with different durations as there might be a different delay between the LIVE feed and the different streamed files when the button is clicked.

8.7.3. Recording a Stream in Standard Mode

How to Immediately Start a Recording

1. Enter a value in the **Max Duration** field. A file duration could not exceed the maximum duration set in this field.
2. Click the **Record** button  .

The recording starts on all the selected channels.

The TC IN is set when the button was clicked.

No TC OUT is defined yet. You will have to manually stop the recording.

How to Schedule or Start a Recording at a Defined Timecode

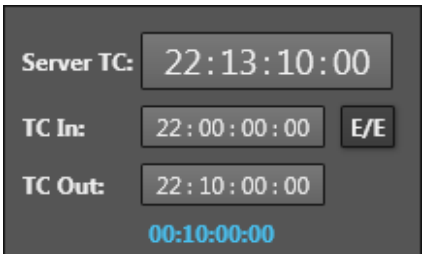
1. Enter a value in the **Max Duration** field. A file duration could not exceed the maximum duration set in this field.
2. Enter a start timecode value in the **TC IN** field.
   - If the value is set in the past, the corresponding A/V material should still be available.
   - If the value is set in the future, a blue line surrounds the **TC IN** field:

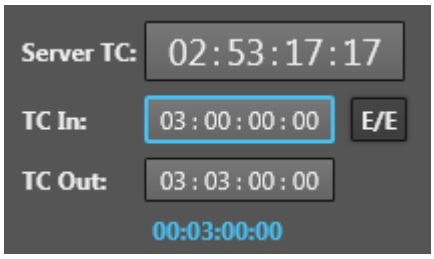
     

     The **E/E** button is displayed next to the **TC IN** field as soon as a value is entered in this field.
3. (optional) Click the **E/E** button if you want to grab the current live timecode in the **TC IN** field.

4. (optional) Enter a stop timecode value in the **TC OUT** field if you want the recording to automatically stops at that time. Otherwise, you will have to manually stop it.

   The scheduled file duration is displayed under to the **TC OUT** field. It cannot be longer than the maximum duration set in the **Max Duration** field (set in minutes).



or


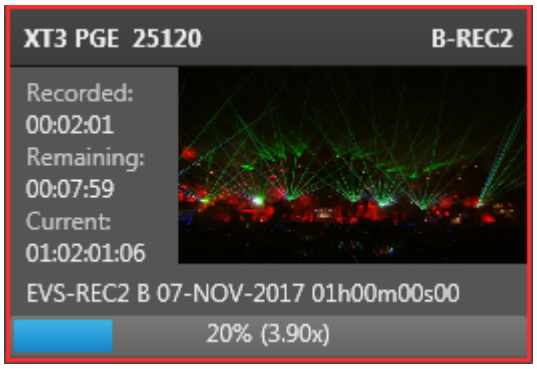
5. Make sure the Max. Duration tab is selected rather than the Segmentation tab.

6. Click the **Record** button  .

   When the TC IN has been set in the past:

   - Files immediately start to be recorded.

     A red frame is displayed around each channel in the Channels area.



   - The **Record** button turns red  .
   - The **Stop** button turns blue  and is available to stop the recording.
   - The **Stop and Start** button turns blue  and is available to stop the recording and automatically start a new one.
   - The **Stop Now** button is available  .

When the TC IN has been set in the future:

- The **Record** button becomes a **Schedule** button  .
- The **Stop** button becomes a **Cancel Schedule** button  .

As soon as the recording starts, buttons behave as explained above:

How to Stop the Recording of a File and Automatically Start the Recording of a New File

This process only applies to the Standard Recording mode.

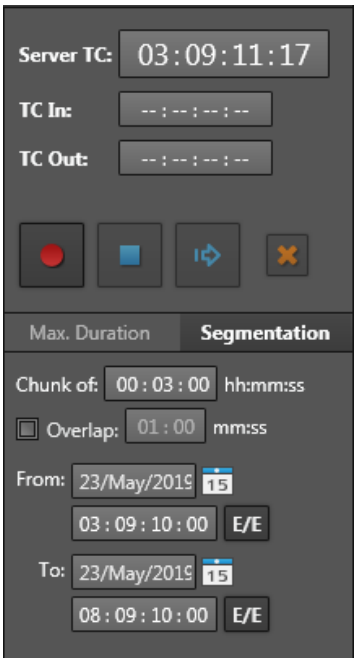
To stop the recording of the streams from all the selected channels at the current timecode, and immediately start the recording of new files from the same timecode,

- Click the **Stop & Start** button  .

8.7.4. Recording a Stream in Segment Mode

To schedule or start the recording of consecutive segments from a defined timecode,

1. Enter a value in the **Max Duration** field. A file duration could not exceed the maximum duration set in this field.
2. Click the Segmentation tab:



3. Enter the duration of the file segments in the **Chunk of** field (hh:mm:ss).

   A file segment cannot be longer than the maximum duration set in the **Max Duration** field.
4. (optional) Set an overlap option, so the file segments will overlap for the defined duration:
   a. Tick the checkbox before **Overlap**.
   b. Enter the duration of the overlap (mm:ss).
5. Set the start date for the first segment in the **From [date]** field. By default, the current date is displayed.

   You can click the 15 button to display a calendar and select a date.
6. Set the start time in the **From [time]** field (hh:mm:ss;ff). By default, the timecode when the Segmentation tab has been opened is displayed.

   Type directly in the field or click the E/E button to grab the current timecode.

   The corresponding A/V material should still be available if you set time in the past.
7. Set the end date for the last segment file in the **To [date]** field. By default, the current date is displayed.

   You can click the 15 button to display a calendar and select a date.

8. Set the end time in the **To [time]** field (hh:mm:ss;ff). By default, the timecode displayed is the time when the Segmentation tab has been opened plus the Max Duration time.

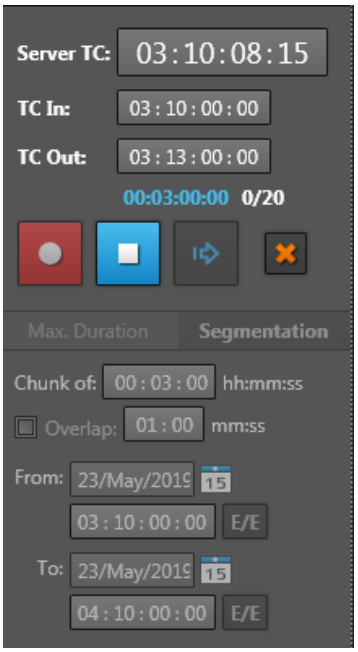
   Type directly in the field or click the E/E button to grab the current timecode.

9. Click the **Record** button  .

   When the start date and time have been set in the past:

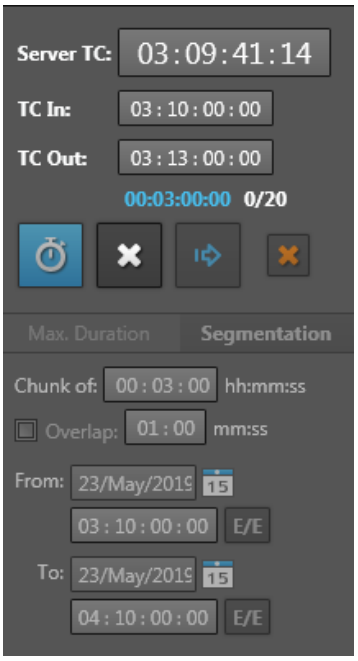
   The recording of files immediately starts.

   A red frame is displayed around each channel in the Channels area.



   When the start time has been set in the future:

   - The **Record** button becomes a **Schedule** button  .
   - The **Stop** button becomes a **Cancel Schedule** button  .



As soon as the recording starts, buttons behave as explained above:

8.7.5. Manually Stopping Stream Recording

How to Stop the Recording

To stop the on-going recording of all the streamed files of a group at the current timecode,

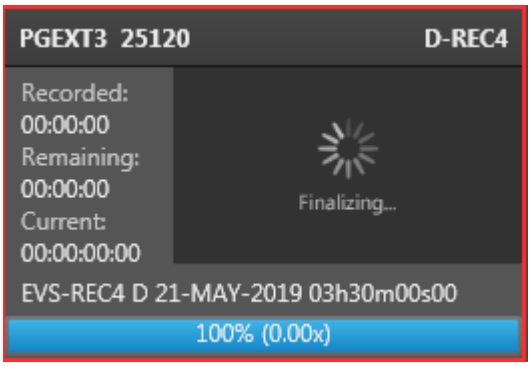
- Click the **Stop** button  .

In Standard Recording mode:

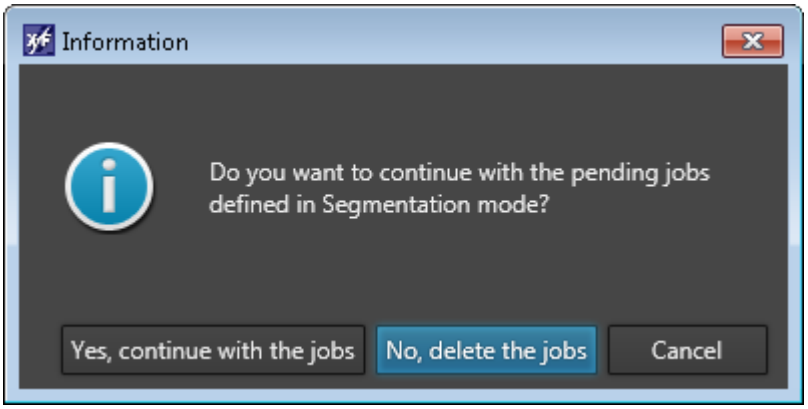
The recording stops on all the selected channels.

The current server timecode is grabbed and will be the TC OUT for all the recorded streams. Files are recorded with the same duration from the different channels.

As there is a delay between the live feed and the recorded files, it can therefore take some time before the jobs are finalized. During this time, the message "Finalizing..." will be displayed in the status area.



In Segment Recording mode, the following message displays:



- Click **Yes, continue with the Jobs** to stop the current recording and save the already recorded files.

  Then, the jobs related to the next segments will be kept and these segments will be recorded.
- Click **No, delete the Jobs** to stop the current recording and save the already recorded files.

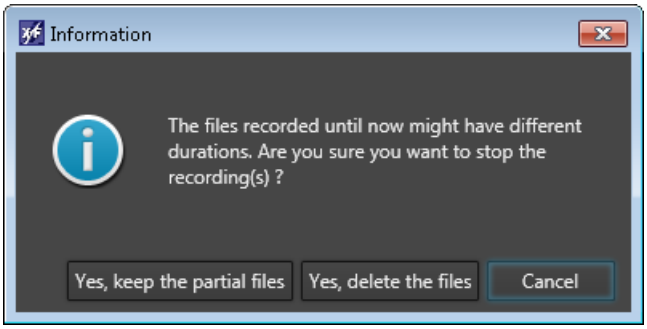
  Then, the jobs related to the next segments will be deleted and these segments will not be recorded.

How to Immediately Stop the Recording

To stop the on-going recording of all the streamed files of a group at the current timecode,

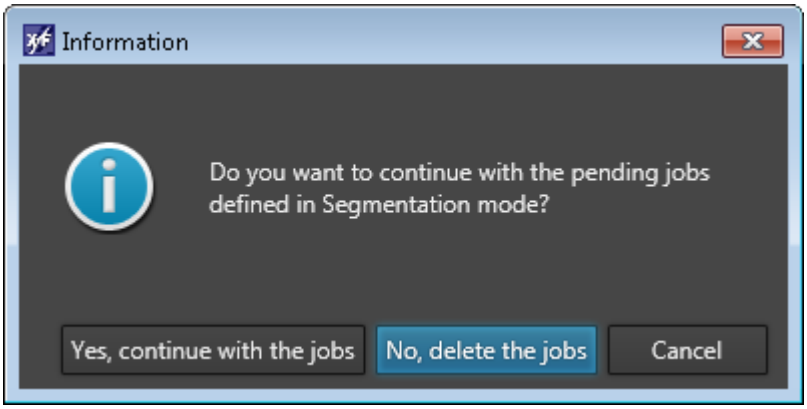
1. Click the **Stop Now** button  .

   The following window is displayed:



2. Select one of the following options:
   - **Yes, keep the partial files** stops the recording and saves the already recorded files.

     As there is a delay between the live feed and the recorded files, the files TC OUT will not be the live feed timecode and each file can have a different TC OUT and the files can have different durations. Related metadata files are updated.
   - **Yes, delete the files** stops the recording and delete all the related files.
3. In Segment Recording mode, whatever the option you selected, the following message displays:



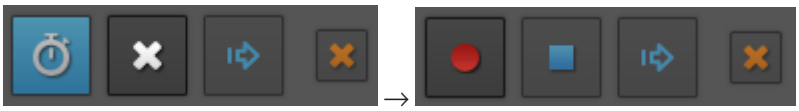
   Select one of the following options:
   - **Yes, continue with the Jobs**: the jobs related to the next segments will be kept and these segments will be recorded.
   - **No, delete the Jobs**: the jobs related to the next segments will be deleted and these segments will not be recorded.

How to Cancel a Scheduled Recording

To cancel the scheduled job before the recording starts,

- click the **Cancel Schedule** button  .

  A message warns the users who will have to confirm cancelation.



How to Cancel the Recording of a Single Streamed File out of a Group

You might want to stop the recording of a single stream out of a group of streamed files, for example in case of camera failure, bandwith problem,...

This cannot be done from the Streaming tab. However, from the Monitoring tab, it is possible to cancel the job for a single file being streamed.

See section "Managing Jobs" on page 147.

8.8. Recording Streams from Independent Groups of Recorders

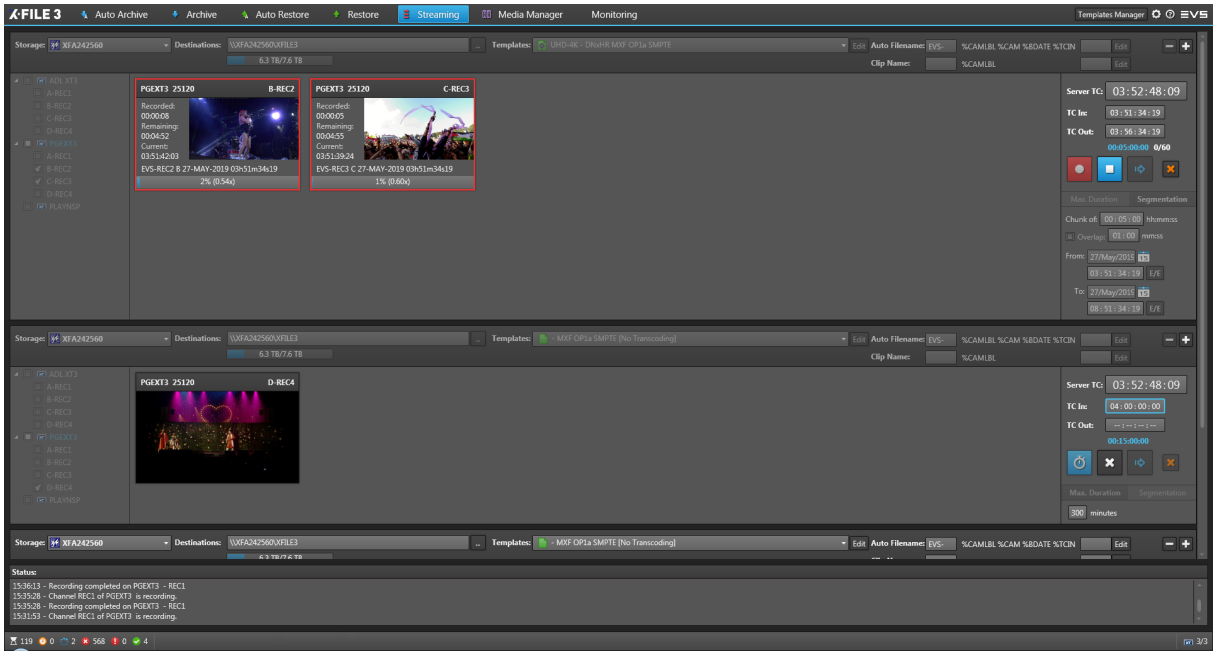
Independent groups of streams can be recorded from XFile3. In this case, several Streaming areas will be displayed in the Streaming tab. This means that users will be able to define different streaming settings between the different areas.

1. Click the  button on the top right of the Streaming area.

   A new Streaming area is displayed underneath.

   When several Streaming areas already exist, the new area is displayed under the one from which the button has been clicked.
2. Set the stream recording parameters as explained in dedicated sections. They are totally independent of the parameters from the other streaming areas.
   - Destination: see section "Selecting the Storage Device and the Destination Path" on page 90.
   - Template: see section "Selecting Job Templates" on page 91.
   - Auto filename: see section "Setting the Auto Filename and Clip Name" on page 92.
   - Servers and recorder channels: see section "Selecting and Displaying the Recorder Channels" on page 1.
   - Recording commands: see section "Stream Recording Commands" on page 1.
3. To remove a Streaming area, click the  button on the top right of this area.

Example with 2 groups of recorders:



9. Managing Media

9.1. Context of Use

The Media Manager tab shows the list of media stored on a selected disk or server.

Transfers can be done from disk to disk, from server to server, from server to disk (Backup operation, called Archive in XFile3), or from disk to server (Restore operation).

Several layouts can be used.

The **one list - one player layout** allows users to select a media item from a list and preview it on a Player, to trim a file or to update metadata file, or to export a file.

The **two lists layout** displays media lists from two locations at a time (server or disk). So, this can be used to compare the content of two lists, and to copy media items from one location to another. The job status can be monitored from a Jobs Monitoring pane.

Default Options for Backup and Restore Operations

During Backup and Restore operations, the default values for options, as used in the Archive or Restore tabs, are applied.

Backup (from EVS server to disk folder):

- EVS metadata profile: not selected
- Session metadata: not selected
- Limit to Short IN / Short OUT: not selected
- **PL flatten: assign keywords of the first element**: selected.

Restore (from disk folder to EVS server):

- Copy type = **Continuous** (no camera restriction) and first free location is selected.
- Keep Original IDs: not selected
- Limit to Short IN / Short OUT: not selected
- Keep same CODEC as the video source: not selected

C-Next Contribution Mode

When the C-Next Contribution mode has been enabled, files can be transferred from distant locations and XFile3 local folders to vice-versa.

See section "Transferring Media" on page 177 for more information, for differences regarding the Media Manager display, and for limitations in the use of the Media Manager features.

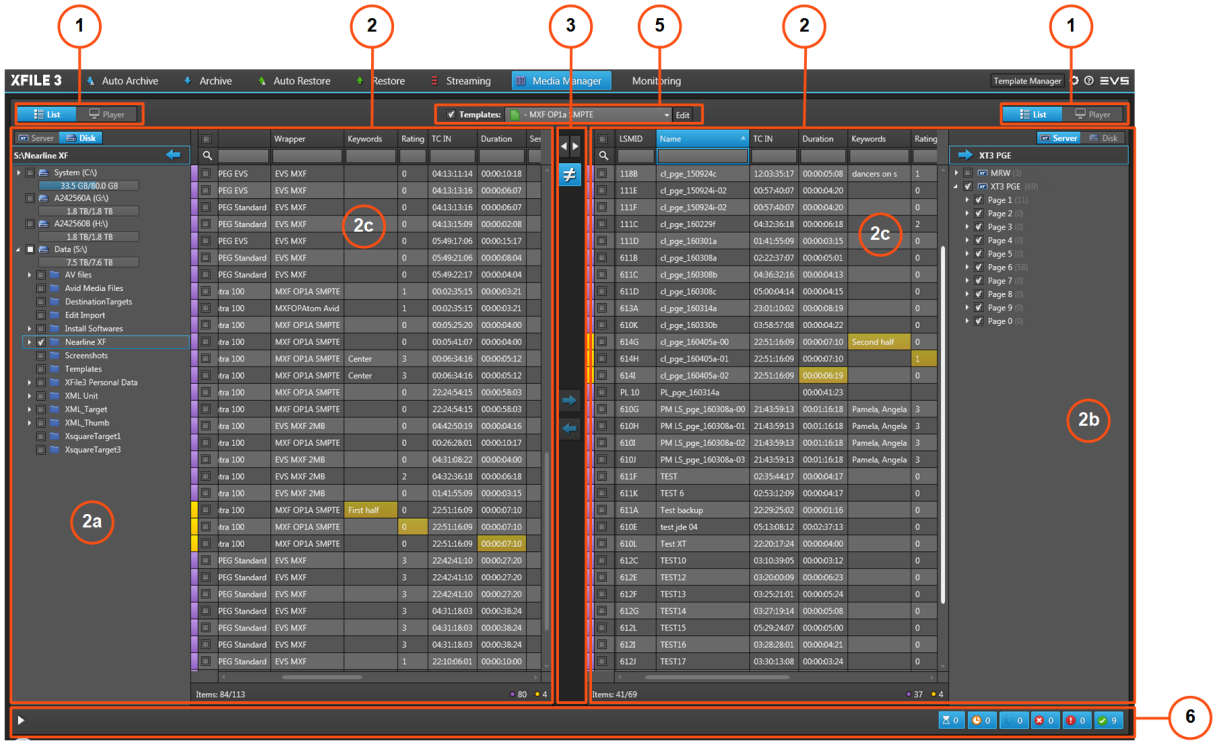
9.2. Overview of the Media Manager Tab

Illustration

The Media Manager tab can be displayed with different layouts.

Two-Lists Layout

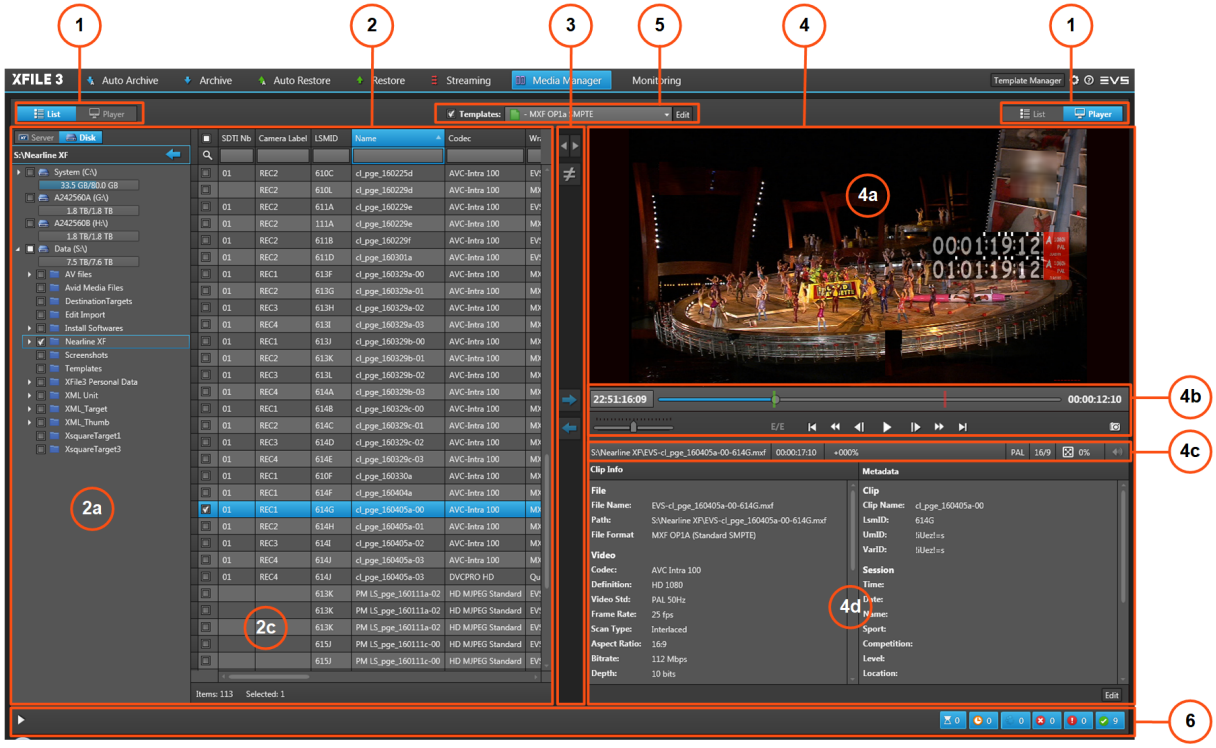
Two lists are shown when the **List** mode is enabled on both the left Media pane and the right Media pane: 



One-List / One-Player Layout

One Player pane can be displayed on the left pane or on the right pane by enabling the **Player** mode on that pane: 

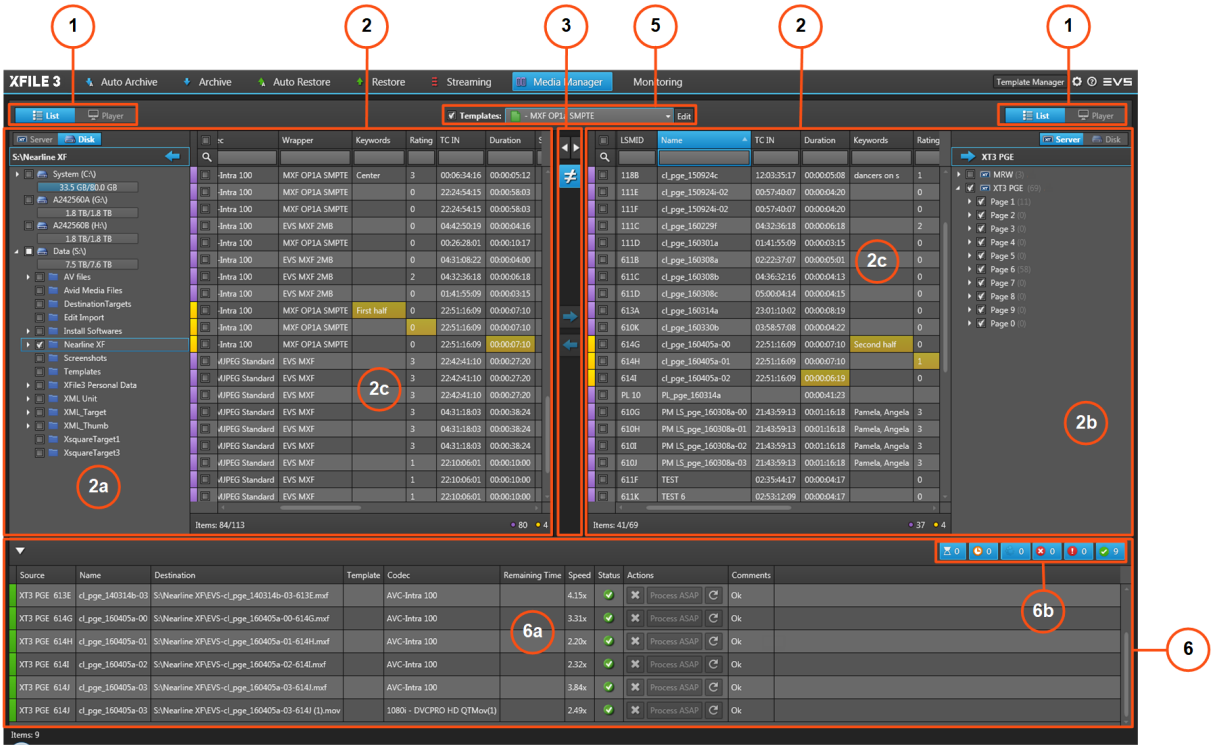
It is then used to preview a media item selected from the Media grid of the other pane.



Layout with Jobs Monitoring Pane

The Jobs Monitoring pane is displayed at the bottom of the Media Manager tab by clicking the button. It can be hidden by clicking the button.

The Jobs Monitoring pane can be displayed with the Two-Lists layout and with the One-List / One-Player layout.



Area Description

List/Player Selector (1)

These buttons are used to show the List view (2) or the Player view (4) on the corresponding pane (left or right).

List Pane (2)

Local Hard Drives / Locations List (2a)

This area is displayed when the **List** view and the **Disk** mode are enabled on the corresponding pane (left or right): 

.

This area displays all the hard drives detected by XFile3 and their subfolders. It gives information on remaining / full capacities for each disk.

The mapped drives and mobile hard drives are detected as well.

A contextual menu provides some options when you right-click an element in the Local Hard Drives list. See section "Possible Actions on Drive Folders" on page 117.

Servers List (2b)

This area is displayed when the **List** view and the **Server** mode are enabled on the corresponding pane (left or right): 

.

It lists all the detected servers, their structures, including the pages, banks and some metadata of all the clips.

Media Grid (2c)

This area displays all the files or clips located on the storage selected from the Local Hard Drives list or the Servers list.

A contextual menu provides some options when you right-click an element in the Media grid. See section "Media Item Contextual Menu" on page 118.

NOTE

For multi-files media items, only the master video file is listed. Associated metadata file or associated audio files, if any, are not displayed.

Metadata columns can be used to filter the list. Section "Searching for Media" on page 133 describes how to organize columns and how to search for clips.

The section "Organizing Columns" on page 133 describes the procedures to resize, order and select columns to display.

Lists Management Buttons (3)

This area provides buttons to perform the following operations when two lists are displayed:

- quickly applying the same filters on both lists  . See section "Applying the Same Filters on Both Lists" on page 127.
- comparing both lists  . See section "Comparing Two Media Lists" on page 127.
- copying media items from one list to the other  . See sections "Transferring Files from One Storage to Another" on page 125 and "Solving Metadata Discrepancies between Two Lists" on page 129.

Buttons are only available when lists are displayed on both panes.

Player Pane (4)

This area is used to preview and browse a media item selected in the Media grid from the other tab side. A media file can be trimmed and its metadata edited.

Refer to the XViewer manual for more information on the different user interface elements.

Video Display (4a)

This area displays the media loaded on the Player.

Transport Functions Area (4b)

This area provides a jog bar and more transport functions to navigate in the loaded element.

Loaded Media Information (4c)

This area provides read-only information on the loaded clip or file.

Clip Info and Metadata (4d)

This area displays file/clip-related information and metadata values associated with the loaded file/clip.

Templates Area (5)

This area is used to select the job template that specifies the job process to be done by Xsquare.

The list of templates displayed in the Media Manager tab can be restricted from the Template Manager tool. See section "Selecting Templates from the Template Manager Tool" on page 138.

A new User template can be created thanks to the **Edit** button. It is then automatically selected. See section "Creating or Editing a Template" on page 139.

At first start-up, the default template displayed is MXF OP1a SMPTE (single destination).

At next start up, the last template selected will be displayed.

Jobs Monitoring Pane (6)

This area is displayed by clicking the  button at the bottom of the Media Manager tab.

The Jobs grid (6a) shows all the jobs and gives indication on their status. See section "The Jobs Pane in the Media Manager Tab" on page 130.

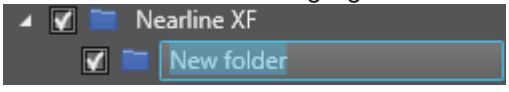
Filter buttons (6b) allows users to filter the Jobs grid according to the job status (Waiting, Scheduled, Running, Canceled, Failed, Completed) and shows the number of jobs for each job status. See section "Filtering Jobs" on page 131.

9.3. Possible Actions on Drive Folders

A contextual menu is available when right-clicking a drive or a folder from the Local Hard Drives list.

Open in New Window
This option opens an Explorer window with the content of the drive folder.

New Folder
This option is used to create a sub-folder in the selected folder.
The New Folder name is highlighted for modification:



Enter a name and press **Enter**.

Rename

This option is used to rename the selected folder. It is only available if the folder is empty.
The folder name is highlighted for modification.
Enter a name and press **Enter**.

Delete

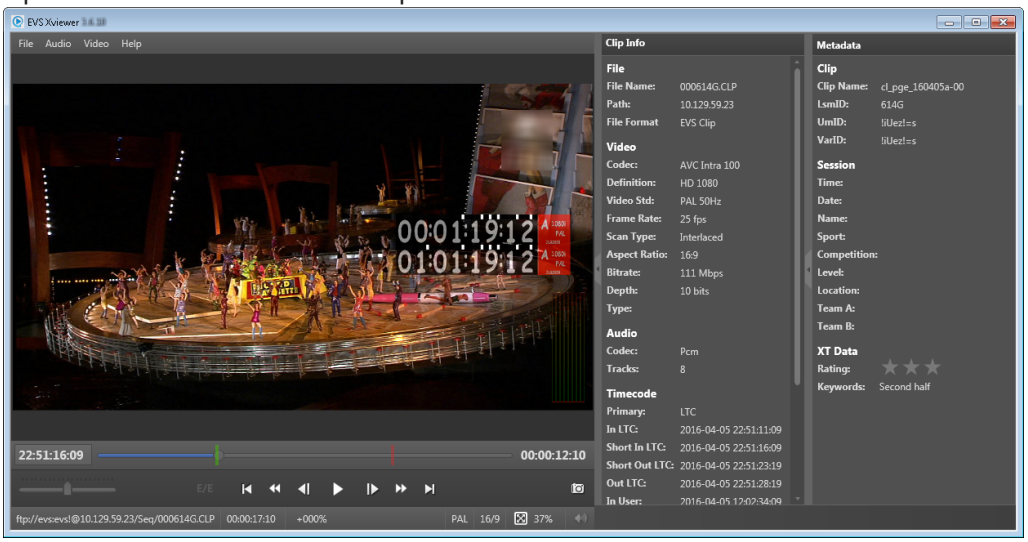
This option is only available if the folder is empty.
It deletes the selected folder.

9.4. Media Item Contextual Menu

A contextual menu is available when right-clicking an element in the Media grid.

Preview XT Clip

This option is only available from the Servers Media grid and it allows previewing the XT clip in an EVS XViewer window.
Up to 4 XViewer windows can be opened at the same time.



Preview File

This option is available from the Disk Media grid or from the Server Media grid when the clip has been archived on disk. It opens the XViewer application, installed together with XFile3, to preview the selected file and control its quality. Refer to the XViewer user manual for more information.

Up to 4 XViewer windows can be opened at the same time.

Open File Location

This option is available from the Disk Media grid or from the Server Media grid when the clip has been archived on disk. It opens an Explorer window with the content of the drive folder where the file is stored.
A tooltip over the **Open File Location** option provides the path to the file storage location.

Delete File

This option is only available from the Disk Media grid. It deletes the file from the disk folder. The job is handled by Xsquare.

NOTE
For multi-files media items, only the master video file is listed in the Media grid. Associated metadata file or associated audio files, if any, are not displayed.
However, when a file is deleted, all the files associated with the selected video file are deleted.

Delete Clip(s)

This option is only available from the Server Media grid.

It deletes the selected clip(s) from the server, provided that the clip(s) are not protected on server side.

Limitation: The option is only available for clips with Intra Only essence. If at least one clip selected is not Intra Only, or if at least one clip selected contains another essence, the operation will not be possible.

9.5. Previewing, Editing and Exporting a Media Item

9.5.1. Introduction

Context of Use

In XFile3, a file or a XT clip can be previewed from different tabs and with different tools. Transport functions are available for browsing. See section "Previewing a File or a XT Clip" on page 121.

A file can be trimmed thanks to clip creation functions or its metadata can be edited. See section "Editing a File" on page 122.

From the Archive tab and the Restore tabs, those operations are done with XViewer. Refer to the XViewer manual for more information on the different user interface elements.

From the Media Manager tab, those operations can be done with XViewer, but an integrated Player pane is specifically dedicated to that use.

A file loaded on the Player pane of the Media Manager tab can be exported to a selected destination. See section "Exporting a File" on page 124.

Prerequisites

To be able to preview or edit a file in XViewer, the following conditions must be met:

- XViewer must have been installed on the workstation.
- Valid XViewer licenses must have been imported in XSecure (XViewer key 10 for preview and key 20 for editing).

9.5.2. Previewing a File or a XT Clip

How to Preview a File From the Archive Tab or the Restore Tab

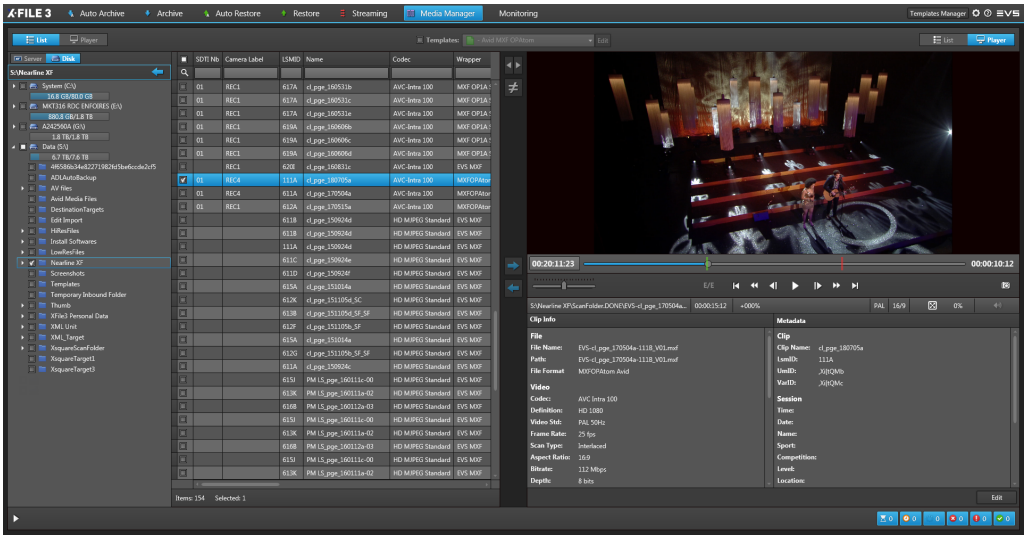
1. From the Media grid of the Sources pane, right-click the file to preview.
2. Select **Preview File** from the contextual menu.

   The Xviewer window opens and shows the file with its metadata.

How to Preview a File From the Media Manager Tab

1. Enable the **List** mode on one pane and the **Player** mode on the other pane.
2. Select the file to preview from he Media grid.
3. Double-click the file.

The file is loaded on the Player:



9.5.3. Editing a File

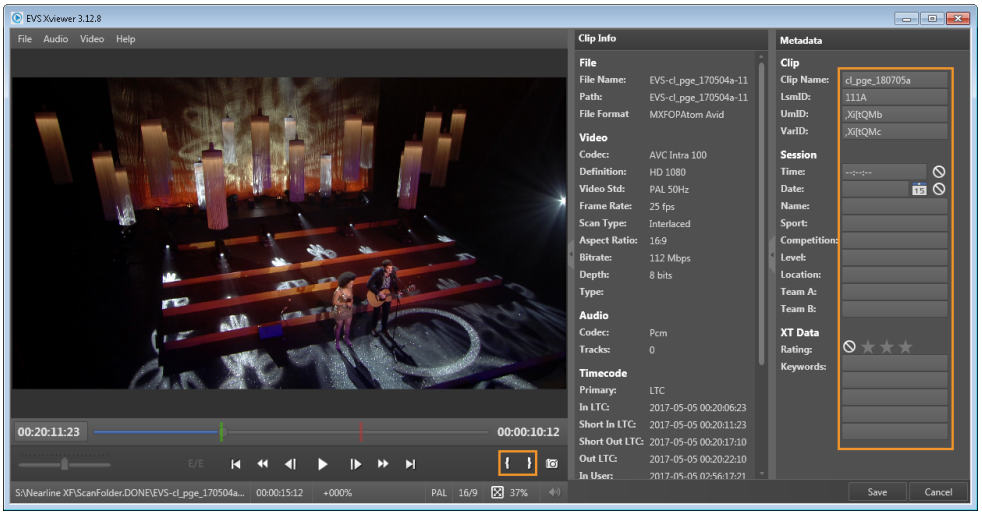
How to Trim a Clip

Guardbands of the clip are displayed before the IN point and after the OUT point, provided that they have been kept during the clip archiving. You will be able to set new points between the Protect IN point and the Protect OUT point.

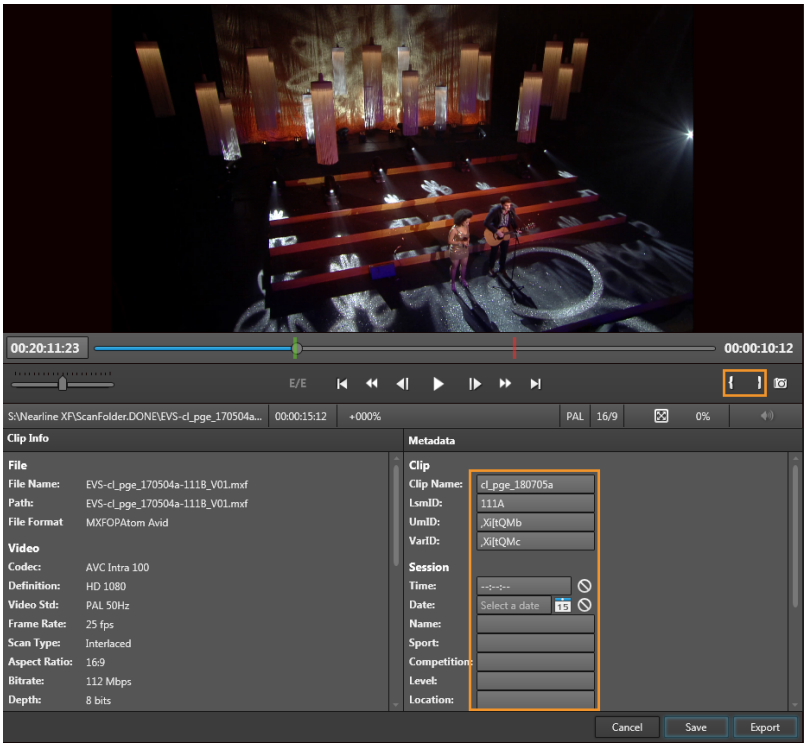
1. Click **Edit** at the bottom right of the window to enable the Edit mode.

   Metadata fields and clip creation buttons are available for edition.

   In XViewer:



In the Player pane:



2. Set a new IN point:
   a. Move the jog bar to the required position.
   b. Click  .

   The IN point indicator  moves to the new IN point.
3. Set a new OUT point:
   a. Move the jog bar to the required position.
   b. Click  .

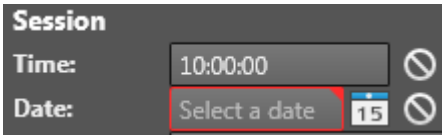
   The OUT point indicator  moves to the new OUT point.
4. Click **Save**.

How to Edit File Metadata

1. Click **Edit** at the bottom right of the window to enable the Edit mode.

   Metadata fields and clip creation buttons are available for edition.
2. Enter / edit the required metadata values in the metadata fields.

   Data not correctly formatted are displayed with a red frame:

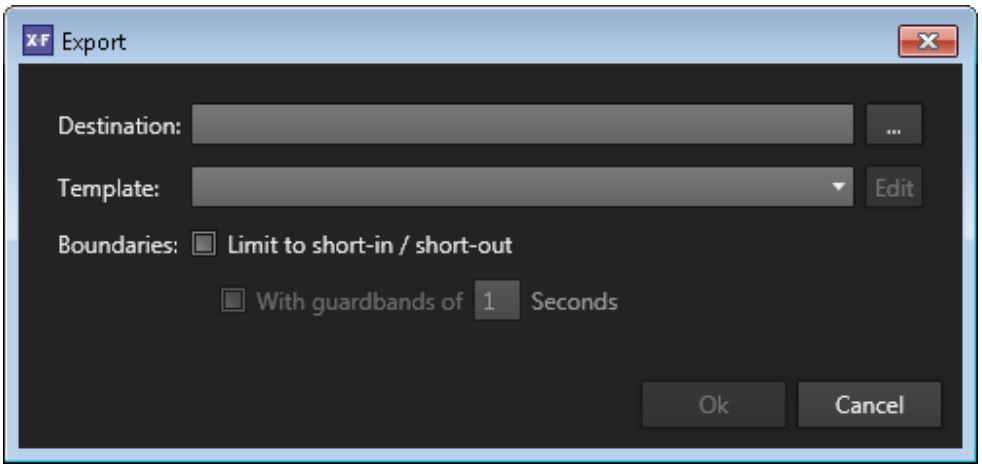


3. Click **Save**.

9.5.4. Exporting a File

1. Load the file to export on the Player pane.
2. Click **Edit** at the bottom right of the window to enable the Edit mode.
3. (optional) Trim the file or edit its metadata.
4. Click **Export** at the bottom right of the window.

   The Export window opens:



5. Click the **Browse** button  next to the **Destination** field and select a destination directory.
6. Select a template from the **Templates** field to specify the job process to be done by Xsquare.
7. (optional) Select the **Limit to short-in/short out** option if you want to limit the portion of the exported clip from the IN point (also called Short IN) to the OUT point (also called Short OUT), which means without its guardbands.

   If this option is cleared, the clip will be archived with its original guardbands.

8. (optional) Select the **Limit to short-in/short out** option and the **With guardbands** option if you want to define new guardbands for the exported clip. They will be taken into account provided that there is enough footage.
9. Click **OK**.

9.6. Transferring Files from One Storage to Another

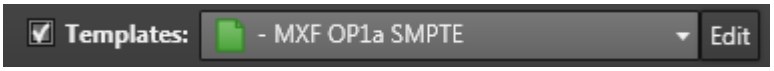
Transfers can be done from disk to disk, from server to server, from server to disk (Backup operation, called Archive in XFile3), or from disk to server (Restore operation).

This can be done with rewrapping or transcoding, or not.

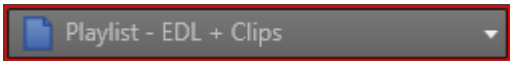
1. For a copy without rewrapping or transcoding ("byte to byte copy"), clear the check box next to the **Templates** field.

   For a copy with rewrapping or transcoding, tick the check box next to the **Templates** field and select a template from the **Templates** field to specify the job process to be done by Xsquare.

   A red frame surrounds the **Template** field when the selected template cannot be used to process the selected type of element (clip or playlist).

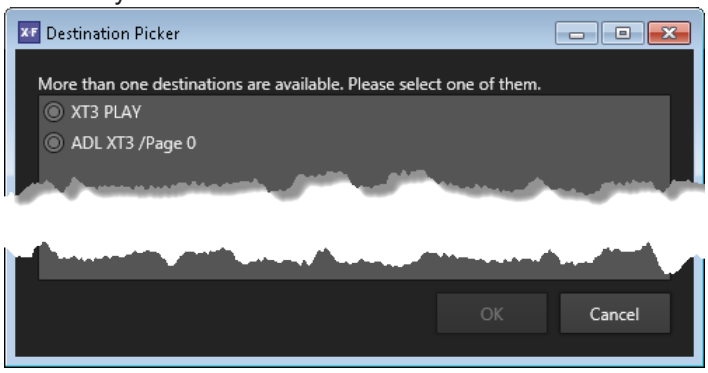
   For a copy from server to server, the **To EVS Server** template is the only default Xsquare template that can be used.

   However, you may edit the **To EVS Server** template and save it as a User template.
2. Select the file(s) you want to copy from the right list or from the left list.
3. (optional) You may select additional destinations from the Local Hard Drives list of the other Media list.

NOTE

You way select only one destination when you copy file(s) to a server. Would you have selected several destinations from the Sever list, you will be asked to select only one:



4. Do one of the following actions:
   - To copy a file from the left list to the right list, click  .
   - To copy a file from the right list to the left list, click  .

The transfer can be monitored from the Job Monitoring pane. See section "Monitoring Jobs" on page 130.

NOTE

For multi-files media items, only the master video file is listed in the Media grid. Associated metadata file or associated audio files, if any, are not displayed.
However, during a copy without rewrapping or transcoding ("byte to byte copy"), all the files associated with the selected video file are copied.

9.7. Managing Media Differences between Two Locations

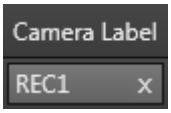
9.7.1. Applying the Same Filters on Both Lists

To apply the same filter on the two lists displayed on the left pane and the right pane,

1. Apply one or several filters to the Media grid of one of the lists.

   See section "Searching for Elements in the Grid" on page 134.

   Example:

2. Click one of the  buttons.
   - The **Link Left Filters** button applies the filter(s) of the left Media grid to the right Media grid.

     The button is then highlighted  to indicate that the left Media grid is the master one regarding the filters.
   - The **Link Right Filters** button applies the filter(s) of the right Media grid to the left Media grid.

     The button is then highlighted  to indicate that the right Media grid is the master one regarding the filters.

Applying another filter to one of the lists when one of the **Link Filter** buttons is enabled automatically applies the filter to the other list.

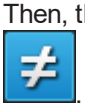
9.7.2. Comparing Two Media Lists

How to Compare Two Media Lists

You can perform a comparison between two lists displayed in the Media grids. The lists can be two local disk lists, two server lists, or one sever list and one local disk list.

To compare the content from the two lists displayed in the Media grids,

- click the **Show Differences** button  .

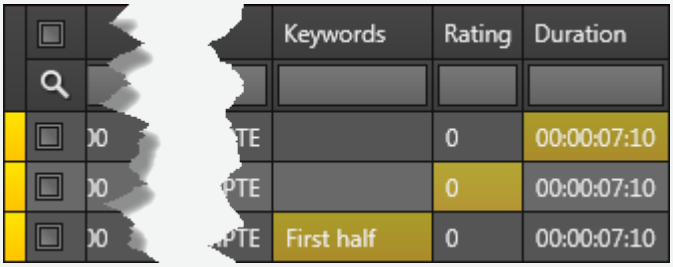
Then, the button is highlighted to show that the **Show Differences** mode is enabled:  .

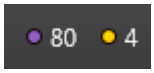
The two Media grids only shows the media items which differ between the two lists. A color code is used to highlight the differences between the lists.

Filters applied to the lists are taken into account for the comparison. This means that the comparison is done between the lists restricted by filters, not to the entire lists of media items stored on the selected locations.

Color Code for the Comparison Result

A color code is used at the beginning of each line to classify the difference type found between the two lists.

Color Code	Meaning
	**The media item is not present in the other list.** When two items differ in codec, file format, number of audio channels, or number of video channels, XFile3 considers them as two different items and flags them with the purple color code. **TIP** A Codec column and a Wrapper column help to clearly identify the file codec and format.
	**Some metadata of the media item differ between the two lists.** These metadata are highlighted in the Media grids. Example: • List 1:  • List 2:  Metadata are considered as different when one of the following parameters differ, provided that the parameters are displayed in Media grids: camera label, clip name, keywords, rating, TC IN, TC OUT, duration, session information.

The number of media items differing from the other list is written at the bottom of each Media grid: 

Next Steps

When you have compared the content of two folders and identified files present in one list but not in the other one, thanks to the code, you can decide to copy some of the files from one list to the other. See section "Transferring Files from One Storage to Another" on page 125.

When you have identified discrepancies between the metadata of a file present in the two lists, thanks to the code, you can decide to update the metadata of one of the file according to the other file. See section "Solving Metadata Discrepancies between Two Lists" on page 129.

9.7.3. Solving Metadata Discrepancies between Two Lists

When you have identified discrepancies between the metadata of a file present in the two lists, thanks to the code, you can decide to update the metadata of one of the file according to the other file.

1. Clear the check box next to the **Templates** field

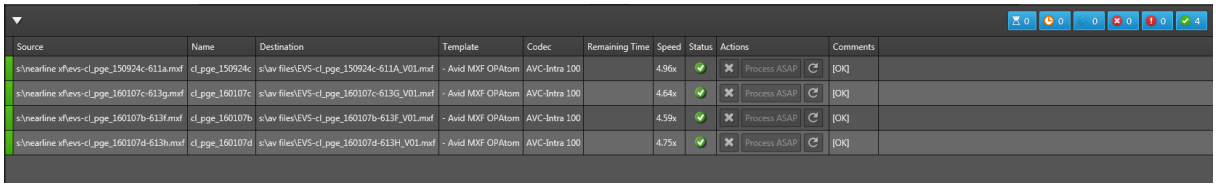
2. Select the file you want to use as reference, identified with a .
3. Do one of the following actions:
   - If the reference file is on the left Media grid, click .
     The metadata of file in the right Media grid are updated.
   - If the reference file is on the right Media grid, click .
     The metadata of file in the left Media grid are updated.

9.8. Monitoring Jobs

9.8.1. The Jobs Pane in the Media Manager Tab

Overview of the Jobs Pane

As soon as a transfer has been initiated from the Media Manager tab, jobs are displayed in the Jobs pane of the tab.



A color code, at the beginning of each job line, and a colored icon in the Status column specify the exact status of the current job.

Transfer jobs can also be monitored from the Monitoring tab, together with the other types of jobs. See section "Monitoring Jobs" on page 145 for more information.

The section "Managing Jobs" on page 147 details the operations which can be performed on jobs.

The section "Organizing Columns" on page 133 describes the procedures to resize, order and select columns to display.

Jobs Status Color Code

A color code, at the beginning of each job line, and a colored icon in the Status column specify the exact status of each job.

Status	Job Status Color Code	Job Status Icon	Meaning
Waiting			The job has been created and stored in the XFile3 database.
Scheduled			The job has been sent to Xsquare and is scheduled to be processed.
Running			The job is running.
Canceled			User has canceled the job.

Status	Job Status Color Code	Job Status Icon	Meaning
Failed			The job failed.
Completed			The job completed successfully.

Columns Description

Job Columns Description

Column	Description
Source	Complete location path of the clip to transfer.
Name	Name of the transferred clip.
Destination	Destination where the transferred clips will be stored.
Template	Selected template used to process the job.
Codec	Codec of the transferred clip.
HDR Profile	High Dynamic Range profile of the file.
WCG	Wide Color Gamut profile of the file.
Remaining Time	Remaining time for the process of each job.
Speed	Current speed of each job by a multiple of x.
Status	Icon representing the current job status.
Actions	Buttons for the management of the job. See section "Managing Jobs" on page 147.
Comments	Information from Xsquare and XFile3.

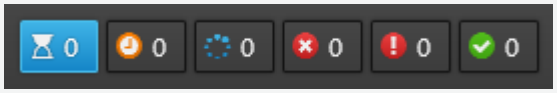
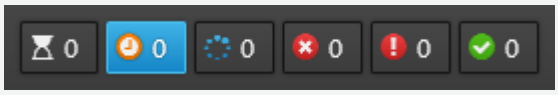
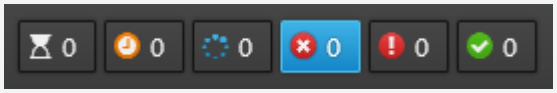
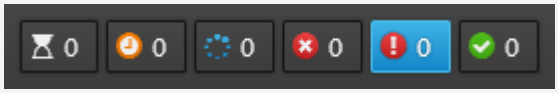
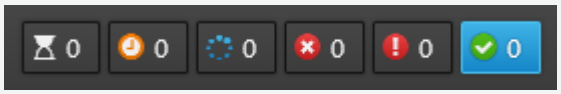
9.8.2. Filtering Jobs

From the Jobs pane of the Media Manager tab, jobs can be filtered based on their status.

Six filter buttons are available at the top of the Jobs pane.

The number of jobs with each job status is written on each button.

When a filter is enabled, its button is highlighted. By default, all the filters are selected.

Filter Button	Action
	Waiting jobs are displayed in the Jobs pane.
	Scheduled jobs are displayed in the Jobs pane.
	Running jobs are displayed in the Jobs pane.
	Canceled jobs are displayed in the Jobs pane.
	Failed jobs are displayed in the Jobs pane.
	Completed jobs are displayed in the Jobs pane.

10. Searching for Media

10.1. Context of Use

Elements grids are displayed in different tabs of the XFile3 window.

This can be Media grid (Archive tab, Restore tab, Media Manager tab) or Jobs grid (Monitoring tab).

Most of the time, these grids can be customized according to users need and they provide one or several tools to facilitate elements searches.

Additional Filter tools are available from the Media Manager tab and the Monitoring tab.

10.2. Organizing Columns

Resizing Columns

A column can be resized by placing the mouse pointer over columns intersection and dragging to the right or to the left.

Ordering Columns

The columns can be re-ordered.

NOTE

This does not apply to Rule columns on the Jobs pane of the Auto Archive tab and the Auto Restore tab.

Select a column header and drag it to the left or right to the required place.

A thick blue line shows the location where the column will be dropped.

Selecting Columns to Display

You can choose the columns you want to display.

> **NOTE**
>
> In the Jobs pane of the Auto Archive tab and the Auto Restore tab, this is done independently for the rules and for the jobs.

To select the columns to display,

1. Right-click the column header.

   A contextual menu displays all the available columns.

   The list differs depending on the grid.

2. Select columns in one of the following ways:
   - Click **Show all columns** to display all the columns in the grid.
   - Tick the check boxes next to the required columns.

10.3. Searching for Elements in the Grid

Sorting the Elements in the Grid

From most of the grids, you can change the sort order of elements in the grid by clicking the column header for the parameter according to which you want to sort the elements.

The little triangle indicates the sorting order. Clicking the column header again changes the sorting order from ascending to descending or vice versa.

Searching on All Metadata - Global Search

The Global Search tool allows users to search among all the types of metadata by entering a character string in the **Quick Search** field on the top of the grid.

It is available from the Monitoring tab, and from the Sources pane of the Archive tab and the Restore tab. It is not available from the Media Manager tab.

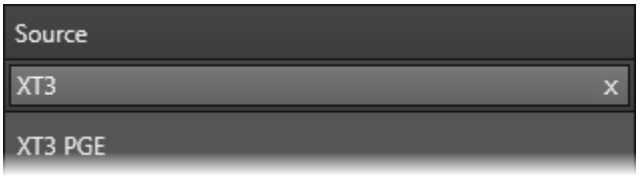
Then, the Elements grid will list the clips whose metadata includes the character string.

It is also possible to combine multiple searches by entering several character strings in the **Quick Search** field with a space between them. e.g. EVS 123. Then, the Elements grid will list the clips whose metadata includes both character strings.

To clear the search filter, click x next to the **Quick Search** field:

Searching on a Single Metadata Type - Advanced Search

Advanced search can only be performed on a single metadata type at a time by entering a character string in the **Search** field on the top of a column of the Elements grid.



To clear the search filter, click x next to the **Search** field.

11. Managing Templates

11.1. Introduction

About Templates

A job template specifies the job process to be done by Xsquare.

Different kinds of templates exist:

- Default Xsquare templates:
  - **Wrapper templates**
  - **Codec templates**

  They are present by default in Xsquare. They cannot be deleted from XFile3 but they can be edited to serve as a model to define a user template.
- **User templates** created in XFile3 by a user, based on a default Xsquare template.

  Some User templates are specific to playlist-related jobs. They are only used for archiving purposes.
  - **Playlist - EDL + Clips** template is used to archive the EDL and the playlist elements.
  - **Playlist - EVS EDL Only** template is used to only archive the playlist edit decision list (EDL) without the video and audio content.

The following operations can be done on templates:

- creation, edition, deletion, import and export of User templates,
- edition or import of a default Xsquare template as a model for the creation of a User template.

The Template Manager Tool

Context of Use

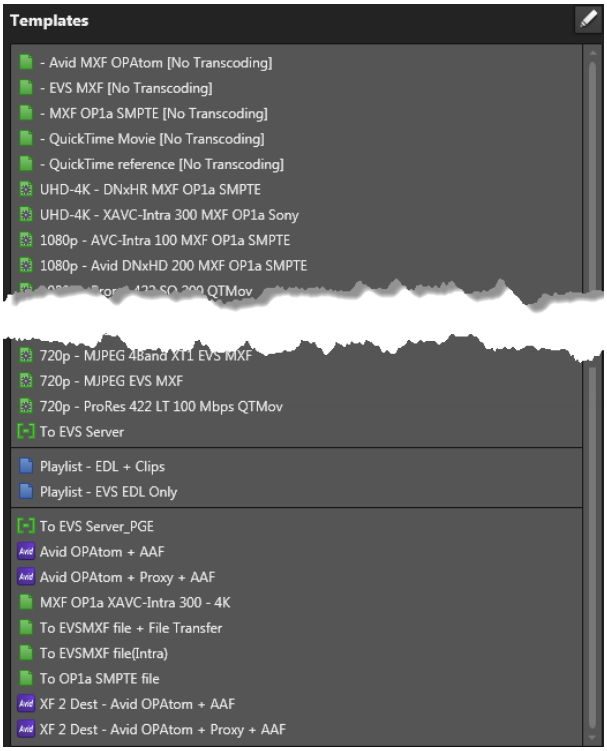
A Template Manager tool is available from the Auto Archive tab, the Archive tab, the Streaming tab or the Media Manager tab. It is used to select the templates made available to the users in each tab. So, the tabs only propose the templates useful for the user.

The list of templates displayed in the Template Manager tool is unique, whatever the tab it is called from. However, different rules apply in each tab, and all the selected templates will not be available from each tab.

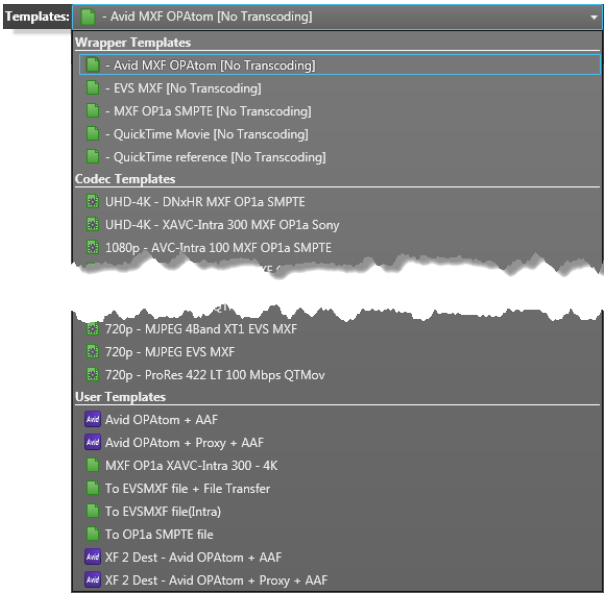
Display of Templates Selected from the Template Manager Tool

Depending on the tab open, the list of templates selected from the Template Manager tool displays in one of the two following ways:

- in a Templates pane, from the Auto Archive tab and the Archive tab:



- by expanding the **Templates** field, from the Streaming tab and the Media Manager tab:



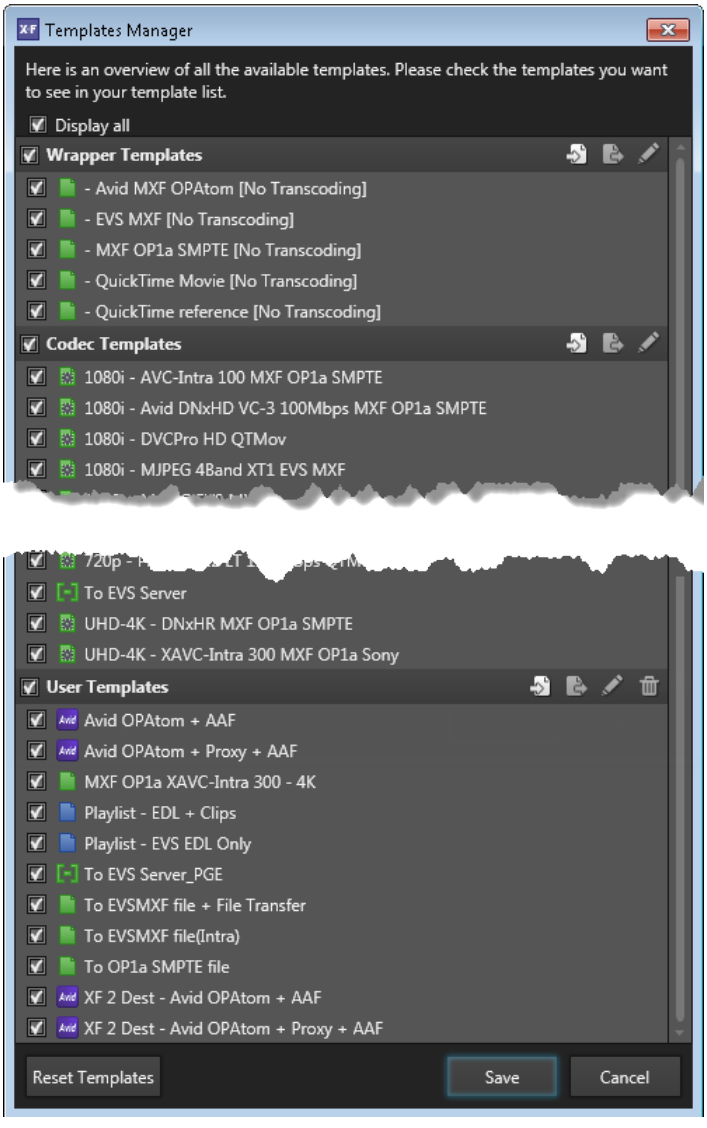
11.2. Selecting Templates from the Template Manager Tool

How to Access the Template Manager

To access the Template Manager,

- Click the **Template Manager** button Template Manager at the top right of the tab.

  The Template Manager window opens:



  It lists the 3 categories of templates: Wrapper templates, Codec templates, User templates.

How to Select the Templates to be Displayed

- To select all the templates from all the categories, tick the **Display all** check box at the top of the list.
- To select (or unselect) all the templates from a category, tick (or clear) the corresponding check box at the top of each list: **Wrapper templates**, **Codec templates**, **User templates**.
- To only select some templates, tick the corresponding check boxes, next to the individual templates.

11.3. Creating or Editing a Template

Context of Use

A User template can be created on the basis of a default Xsquare template or of an existing User template.

Only User templates can be modified. If you select a default Xsquare template and edit it, you will only be allowed to save it as a new User template.

How to Create or Edit a User Template from the Template Manager Tool

To create or edit a User template from the Template Manager tool,

1. Select the template line, so the line is highlighted.
2. Click the  button next to the header of this category.

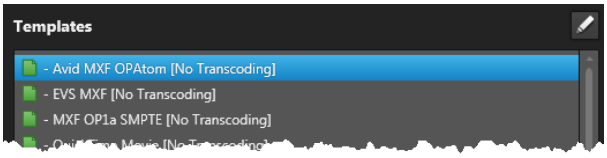
   The Xsquare window opens and shows the configuration parameters of the selected template.
3. Edit the required parameters.
4. Do one of the following actions
   - To save the template as a new one, click **Save As**.

     Then, enter a name for the new template and click **OK**.
   - To save the updated User template, click **Save**.

How to Create or Edit a User Template from the Templates Pane of the Auto Archive tab or the Archive tab

To create or edit a User template from the Auto Archive tab or the Archive tab,

1. Select one template.



2. Click  on its right side.

   The Xsquare window opens and shows the configuration parameters of the selected template.

3. Edit the required parameters.
4. Do one of the following actions
   - To save the template as a new one, click **Save As**.

     Then, enter a name for the new template and click **OK**.
   - To save the updated User template, click **Save**.

How to Create or Edit a User Template from the Edit button of the Streaming Tab or the Media Manager Tab

To create or edit a User template from the Streaming tab or the Media Manager tab,

1. Select the template you want to edit from the **Templates** field.
2. Click the **Edit** button next to the **Templates** field.

   The Xsquare window opens and shows the configuration parameters for the selected template.

3. Edit the required parameters.
4. Do one of the following actions
   - To save the template as a new one, click **Save As**.

     Then, enter a name for the new template and click **OK**.
   - To save the updated User template, click **Save**.

This template is automatically selected and displayed in the **Templates** field.

11.4. Resetting the List of Templates to the Default One

To reset the list of templates displayed in the Template Manager tool to the default one specific to XFile3,

1. Open the Template Manager tool.
2. Click the **Reset Templates** button at the bottom of the Template Manager window.

   A message informs you that XFile3 will be restarted and that all the Xsquare templates will be reset to fresh XFile3 install state.
3. Click **Yes** to continue.

All the templates created by the users are removed from the list.

11.5. Deleting a User Template

How to Delete a User Template from the Template Manager Tool

To delete a User template from the Template Manager tool,

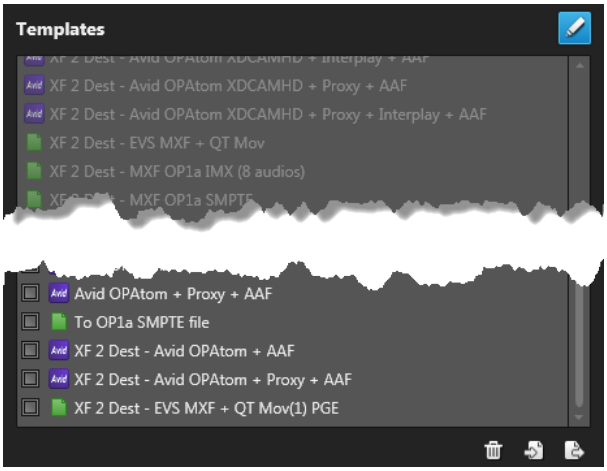
1. Select the template, so the line is highlighted.
2. Click the button next to the header of this category.

How to Delete a User Template from the Templates Pane

To delete a User template from the Auto Archive tab or the Archive tabs,

1. Click at the top-right corner of the Templates pane to enable the Edit mode.

   The Templates pane restricts the access to User templates only.



2. Select the custom template(s) to be deleted by ticking the check box(es).
3. Click below the Templates pane.

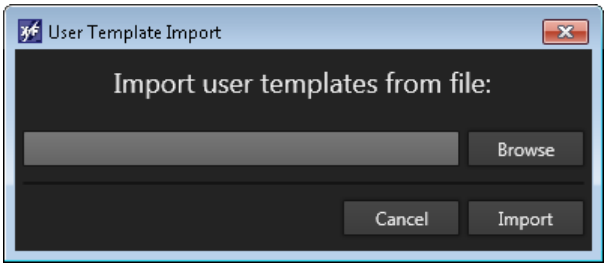
11.6. Importing a User Template

How to Import a User Template from the Template Manager Tool

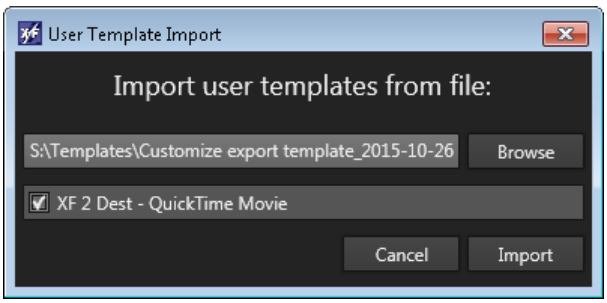
To import a User template from the Template Manager tool,

1. Click the button.

   The User Template Import window opens:



2. Click the **Browse** button.
3. From the Explorer window, select the template to import and click **Open**.
4. From the User Template Import window, tick the check box next to the template:



5. Click **Import**.

How to Import a User Template from the Templates Pane

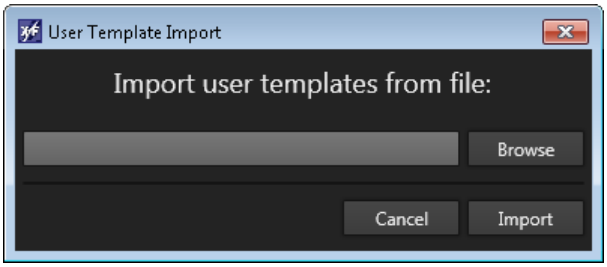
To import a User template from the Templates pane of the Auto Archive tab or the Archive tab,

1. Click at the top-right corner of the Templates pane to enable the Edit mode.

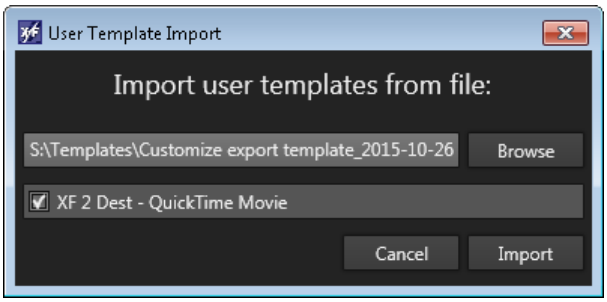
   The Templates pane restricts the access to User templates only.

2. Click .

   The User Template Import window opens:



3. Click the **Browse** button.
4. From the Explorer window, select the template to import and click **Open**.
5. From the User Template Import window, tick the check box next to the template:



6. Click **Import**.

A message box will show you that the import is successful.

All the imported User templates are displayed at the bottom of Templates pane.

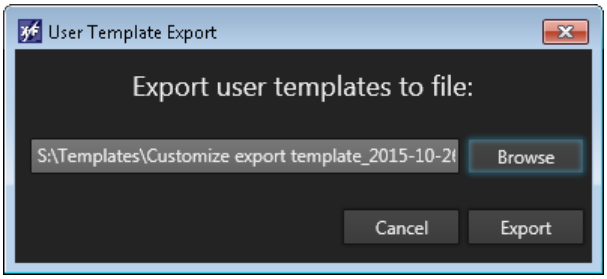
11.7. Exporting a User Template

How to Export a User Template from the Template Manager Tool

To export a User template from the Template Manager tool,

1. Select the template, so the line is highlighted. Multi-selection of templates is allowed.
2. Click the button next to the header of this category.

   The User Template Export window opens:



3. Click the **Browse** button to select the template destination.
4. From the User Template Export window, click **Export**.

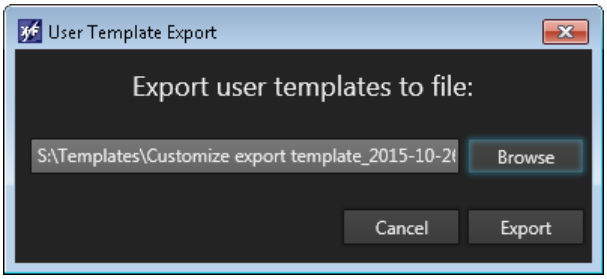
How to Export a User Template from the Templates Pane

To export a User template from the Templates pane of Auto Archive tab or the Archive tab,

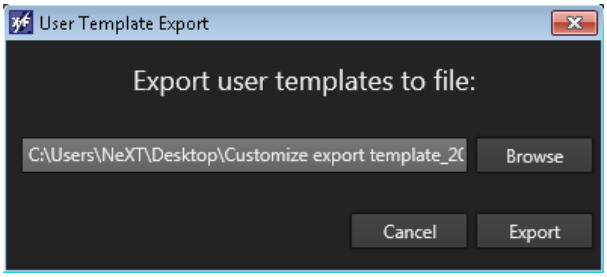
1. Click  at the top-right corner of the Templates pane to enable the Edit mode.

   The Templates pane restricts the access to User templates only.
2. Select the User template(s) to be exported by ticking the check box(es).
3. Click  .

   The User Template Export window opens:



4. Click the **Browse** button.
5. From the Explorer window, select the template destination and click **OK**.
6. From the User Template Export window, click **Export**.



A message box will show you that the export is successful.

All the custom templates are exported to only one xml file at one time, and the file is named according to the format: `Customize export template_date hour minute second.xml`

For example: `Customize export template_2013-11-20 15.00.19.xml`

12. Monitoring Jobs

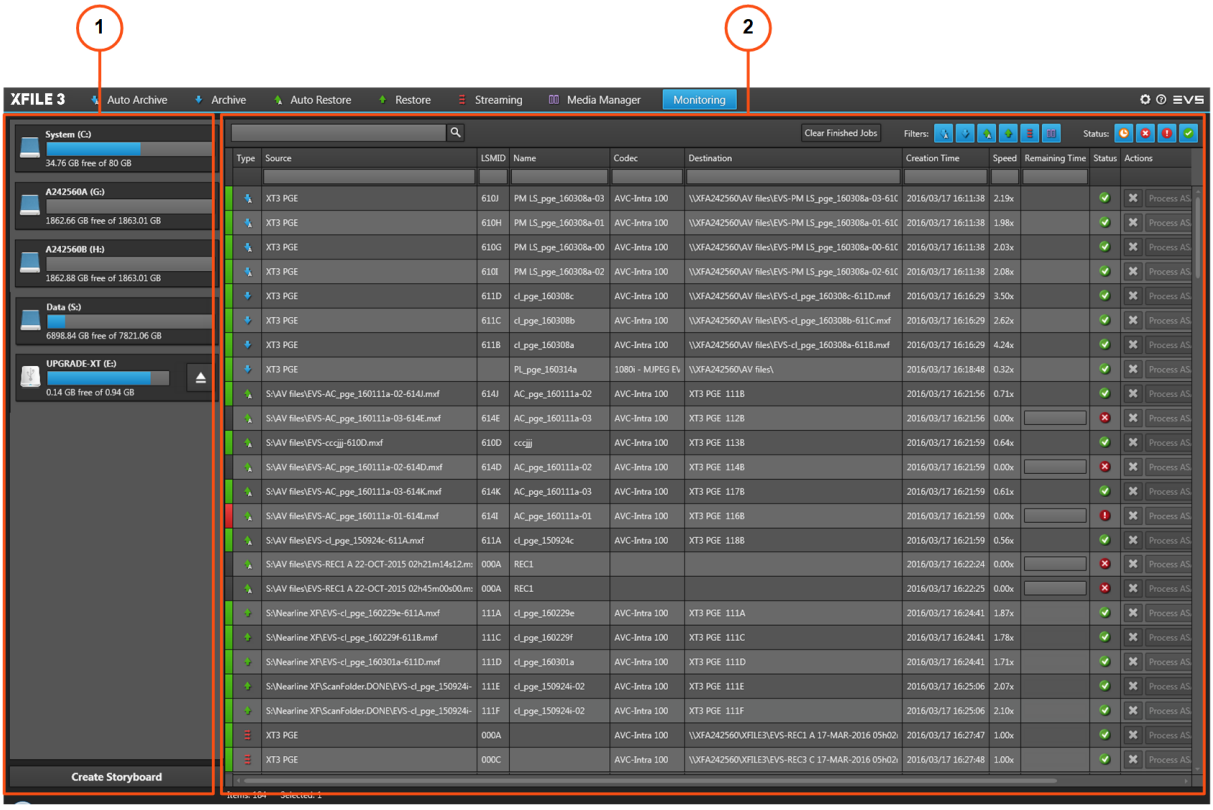
12.1. Introduction

Jobs initiated from XFile3 can be monitored from different places.

- Most of the tabs contain a Jobs pane to monitor and manage jobs related to the current tab. This is the case for the Auto Archive tab, the Archive tab, the Auto Restore tab, the Restore tab and the Media Manager tab.
- The Jobs pane from the Monitoring tab gathers all the jobs managed by XFile3 and available from all the other tabs, including the Streaming tab.

12.2. The Monitoring Tab

Overview of the Monitoring Tab



Hard Drives Pane (1)

The Hard Drives pane, on the left of the Monitoring tab, displays all the hard drives detected by XFile3 and is used in storyboard creation.

See section "Creating a Storyboard of Archived Clips" on page 151.

Jobs Pane (2)

The Jobs pane, on the right of the Monitoring tab, is used for job monitoring.

It gives an overview on all the jobs initiated from the Auto Archive, Archive, Auto Restore, Restore, Streaming and Media Manager tabs and their status.

Section "Searching for Media" on page 133 describes how to organize columns and how to search for jobs.

Several types of filter buttons are available at the top of the Jobs grid. They are used to filter the grid based on the job type, or the job status. See section "Filtering Jobs" on page 149.

Jobs Status Color Code

A color code, at the beginning of each job line, and a colored icon in the Status column specify the exact status of each job.

Status	Job Status Color Code	Job Status Icon	Meaning
Waiting			The job has been created and stored in the XFile3 database.
Scheduled			The job has been sent to Xsquare and is scheduled to be processed.
Running			The job is running.
Canceled			User has canceled the job.
Failed			The job failed.
Completed			The job completed successfully.

Jobs Columns Description

Column	Description
Type	Icon representing the type of job:  - Auto Archive jobs  - Manual Archive jobs  - Auto Restore jobs  - Manual Restore jobs  - Streaming jobs  - jobs initiated from the Media Manager tab
Source	Displays the source information in corresponding tabs.
LSM_ID	LSM ID assigned to the clip.
Name	Name of the clip/file.
Codec	Video codec of the archived or restored clip.
HDR Profile	High Dynamic Range profile of the file.
WCG	Wide Color Gamut profile of the file.
Destination	Destination where the clip is archived, restored, streamed or copied.
Creation Time	Creation date and time of the job.
Speed	Current archiving/restoring speed of a job as a multiple of x.
Remaining Time	Remaining time of a job.
Status	Icon representing the current job status.
Actions	Buttons for the management of the job. See section "Managing Jobs" on page 147.
Comments	Information from Xsquare and XFile3.

12.3. Managing Jobs

The following operations can be performed from any tab where jobs are displayed.

How to Select Jobs

All the selected jobs are highlighted in blue.

There are several ways to select jobs:

- Click on one job line.
- To select a list of contiguous jobs, press and hold **SHIFT** while you select the first and the last items of the list.

- To select a list of non-contiguous jobs, press and hold **CTRL** while you select the items.
- To select all the jobs, press **CTRL+A**.

How to Sort Jobs

You can change the sort order of elements in the grid by clicking the column header for the parameter according to which you want to sort the elements. Clicking the column header again changes the sorting order from ascending to descending or vice versa.

NOTE

The Destination and the Actions columns cannot be sorted.

How to Cancel Jobs

Waiting, **Scheduled** or **Running** jobs can be canceled.

To cancel jobs,

1. Select the job to be canceled.
2. Do one of the following actions:
   - Right-click the selected job and select **Cancel** from the contextual menu. This can be applied to a single job or to a multiselection of jobs.
   - Click  from the Actions column to cancel the job.

The status of the job will be **Canceled**.

How to Retry Jobs

Canceled or **Failed** jobs can be retried.

To retry the job,

1. Select the requested jobs.
2. Do one of the following actions:
   - Right-click on the selected job and select **Retry** from the contextual menu. This can be applied to a multiselection of jobs.
   - Click  in the Actions column.

How to Change the Job Priority

The priority of **Scheduled** jobs can be changed.

Changing the job priority moves the selected job to the top of the scheduled job queue to be processed in top priority.

To change job priority,

1. Select the requested jobs.
2. Do one of the following actions:
   - Right-click on the selected job and select **Process ASAP** from the contextual menu. This can be applied to a multiselection of jobs.
   - Click 

from the Actions column.

The job will be processed soon with high priority.

How to Hide Failed and Canceled Jobs

Canceled or **Failed** jobs can be hidden from the list. This is not available from the Monitoring tab.

To hide these jobs,

1. Select the requested jobs.
2. Right-click on the selected jobs.
3. Select **Hide** from the contextual menu.

   This can be applied to a multiselection of jobs.

12.4. Filtering Jobs

From the Monitoring tab, several types of filter buttons are available at the top of the Jobs grid. They allow to filter jobs according to

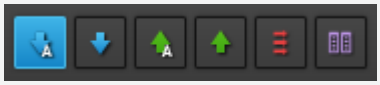
- the job type

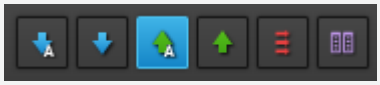
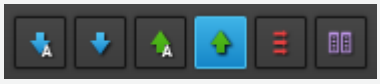
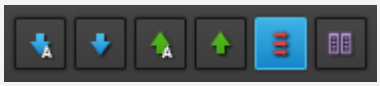
- the job status

Several filters can be combined.

When a filter is enabled, its button is highlighted. By default, all the filters are selected.

Filter by Type

Filter Button	Action
	Auto-archive jobs are displayed in the Jobs pane.
	Manual archive jobs are displayed in the Jobs pane.

Filter Button	Action
	Auto-restore jobs are displayed in the Jobs pane.
	Manual restore jobs are displayed in the Jobs pane.
	Streaming jobs are displayed in the Jobs pane.
	Transfer jobs, initiated from the Media Manager tab, are displayed in the Jobs pane.

Filter by Status

Filter Button	Action
	Scheduled jobs are displayed in the Jobs pane.
	Canceled jobs are displayed in the Jobs pane.
	Failed jobs are displayed in the Jobs pane.
	Completed jobs are displayed in the Jobs pane.

13. Creating a Storyboard of Archived Clips

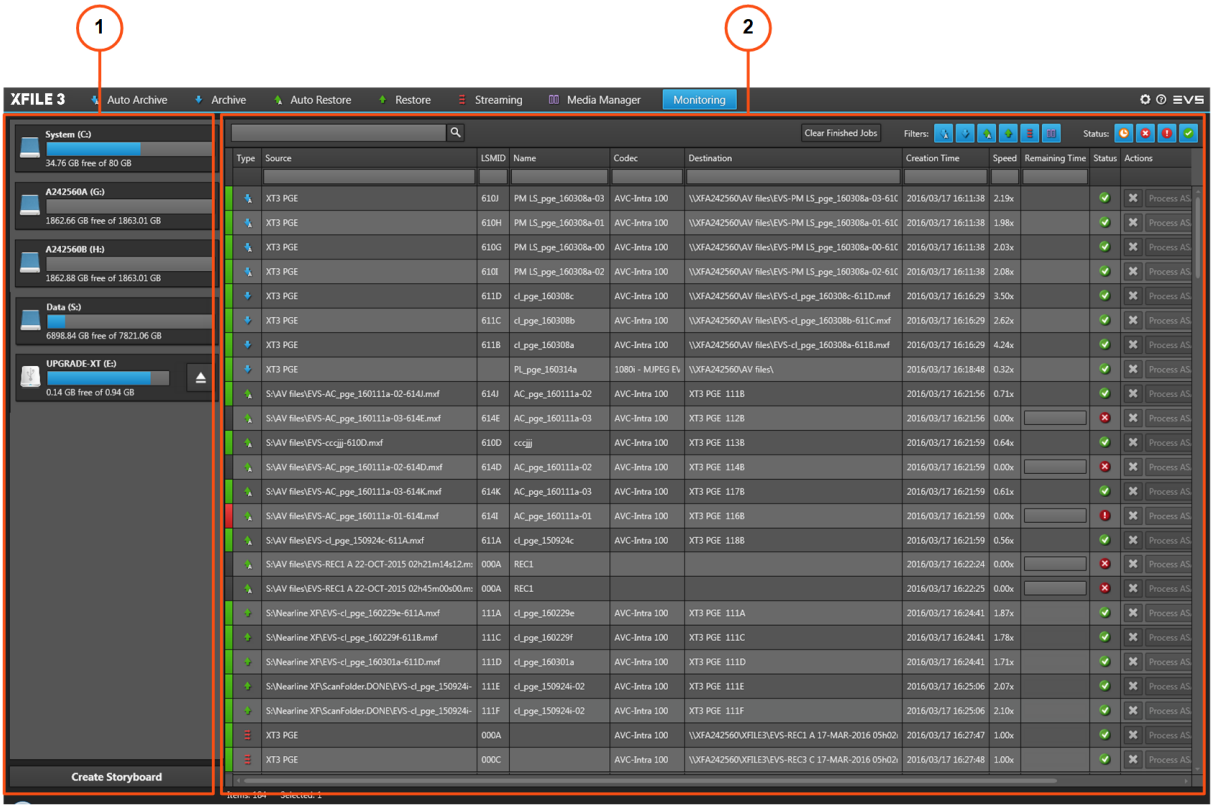
13.1. Context of Use

What is a Storyboard?

A storyboard is a html file made of a series of clips which have been archived to a target folder.

It can be created from the left pane of the Monitoring tab.

Overview of the Monitoring Tab



Hard Drives Pane (1)

The Hard Drives pane, on the left of the Monitoring tab, displays all the hard drives detected by XFile3 and is used in storyboard creation.

The mapped drives and mobile hard drives are detected as well.

Mobile hard drives can be manually ejected by clicking  .

The **Create Storyboard** button is used to create a file with clips archived on selected drives.

See section "How to Create Storyboard" on page 152.

Jobs Pane (2)

The Jobs pane, on the right of the Monitoring tab, is used for job monitoring.

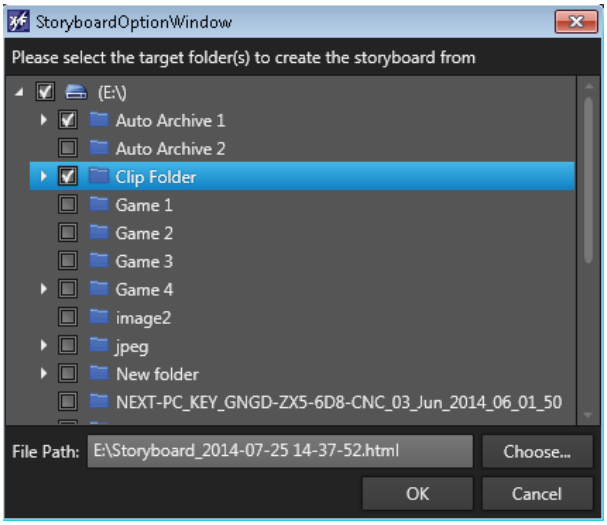
See section "Monitoring Jobs" on page 145.

13.2. How to Create Storyboard

To create a storyboard,

1. From the Hard Drives pane of the Monitoring tab, select the hard drive where the clips have been archived.
2. Click the **Create Storyboard** button.

   The Storyboard Option window opens. It displays the folders contained in the selected hard drive.
3. Select the target folder(s) where the clips have been archived.



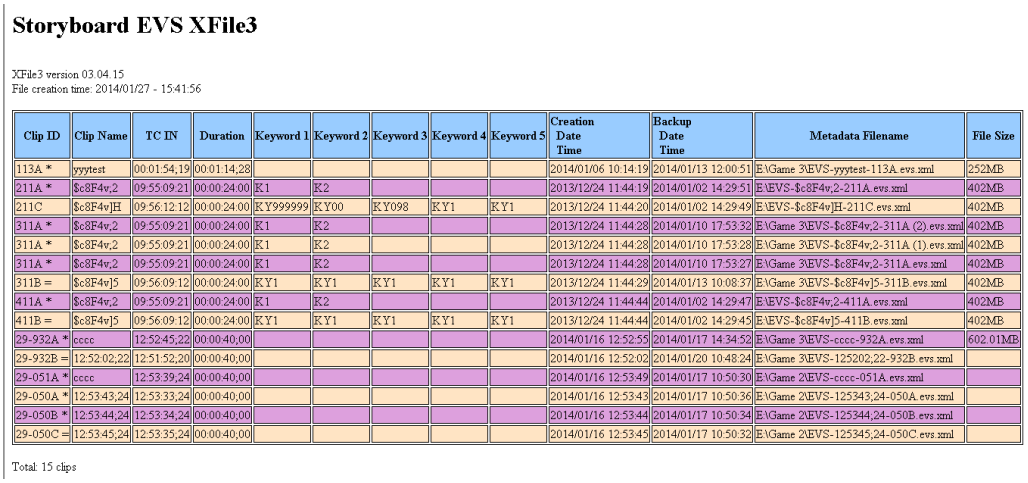
4. Click **Choose** and select a folder to store the storyboard.

   The entire path is displayed in the **File Path** field.
5. Click **OK**.

The storyboard is created with the clips stored in the target folders. It is stored in the specified file path.

Its name has the following format: *Storyboard_creation date creation time.html* (such as `Storyboard_2014-01-27 15-30-44.html`).

13.3. Storyboard Field Description



Storyboard EVS XFile3

XFile3 version 03.04.15
File creation time: 2014/01/27 - 15:41:56

Clip ID	Clip Name	TC IN	Duration	Keyword 1	Keyword 2	Keyword 3	Keyword 4	Keyword 5	Creation Date Time	Backup Date Time	Metadata Filename	File Size
113A *	yyytest	00:01:54;19	00:01:14;28						2014/01/06 10:14:19	2014/01/13 12:00:51	E:\Game 3\EVS-yyytest-113A.evs.xml	252MB
211A *	$c8F4v,2	09:55:09:21	00:00:24:00	K1	K2				2013/12/24 11:44:19	2014/01/02 14:29:51	E:\EVS-$c8F4v,2-211A.evs.xml	402MB
211C	$c8F4v]H	09:56:12:12	00:00:24:00	KY999999	KY00	KY098	KY1	KY1	2013/12/24 11:44:20	2014/01/02 14:29:49	E:\EVS-$c8F4v]H-211C.evs.xml	402MB
311A *	$c8F4v,2	09:55:09:21	00:00:24:00	K1	K2				2013/12/24 11:44:28	2014/01/10 17:53:32	E:\Game 3\EVS-$c8F4v,2-311A (2).evs.xml	402MB
311A *	$c8F4v,2	09:55:09:21	00:00:24:00	K1	K2				2013/12/24 11:44:28	2014/01/10 17:53:28	E:\Game 3\EVS-$c8F4v,2-311A (1).evs.xml	402MB
311A *	$c8F4v,2	09:55:09:21	00:00:24:00	K1	K2				2013/12/24 11:44:28	2014/01/10 17:53:27	E:\Game 3\EVS-$c8F4v,2-311A.evs.xml	402MB
311B =	$c8F4v]5	09:56:09:12	00:00:24:00	KY1	KY1	KY1	KY1	KY1	2013/12/24 11:44:29	2014/01/13 10:08:37	E:\Game 3\EVS-$c8F4v]5-311B.evs.xml	402MB
411A *	$c8F4v,2	09:55:09:21	00:00:24:00	K1	K2				2013/12/24 11:44:44	2014/01/02 14:29:47	E:\EVS-$c8F4v,2-411A.evs.xml	402MB
411B =	$c8F4v]5	09:56:09:12	00:00:24:00	KY1	KY1	KY1	KY1	KY1	2013/12/24 11:44:44	2014/01/02 14:29:45	E:\EVS-$c8F4v]5-411B.evs.xml	402MB
29-932A *	cccc	12:52:45;22	00:00:40;00						2014/01/16 12:52:55	2014/01/17 14:34:52	E:\Game 3\EVS-cccc-932A.evs.xml	602.01MB
29-932B =	12:52:02;22	12:51:52;20	00:00:40;00						2014/01/16 12:52:02	2014/01/20 10:48:24	E:\Game 3\EVS-125202;22-932B.evs.xml	
29-051A *	cccc	12:53:39;24	00:00:40;00						2014/01/16 12:53:49	2014/01/17 10:50:30	E:\Game 2\EVS-cccc-051A.evs.xml	
29-050A *	12:53:43;24	12:53:33;24	00:00:40;00						2014/01/16 12:53:43	2014/01/17 10:50:36	E:\Game 2\EVS-125343;24-050A.evs.xml	
29-050B *	12:53:44;24	12:53:34;24	00:00:40;00						2014/01/16 12:53:44	2014/01/17 10:50:34	E:\Game 2\EVS-125344;24-050B.evs.xml	
29-050C =	12:53:45;24	12:53:35;24	00:00:40;00						2014/01/16 12:53:45	2014/01/17 10:50:32	E:\Game 2\EVS-125345;24-050C.evs.xml	

Total: 15 clips

The storyboard displays the following elements for each clip:

Clip Information	Description
Clip ID	Displays the ID assigned to the clip.
Clip Name	Displays the name assigned to the clip.
TC IN	Displays the IN point of the clip assigned to the clip.
Duration	Displays the duration of the clip from IN to OUT assigned to the clip.
Keyword1	Displays the first keyword assigned to the clip.
Keyword2	Displays the second keyword assigned to the clip.
Keyword3	Displays the third keyword assigned to the clip.
Keyword4	Displays the fourth keyword assigned to the clip.
Keyword5	Displays the fifth keyword assigned to the clip.
Creation Date Time	Displays the Date when the clip was created.
Backup Date Time	Displays the Date when the clip was archived.
Metadata Filename	Displays the EVS XML file assigned to the clip.
File Size	Displays the file size assigned to the clip.

14. Auto Archive and Manuel Restore Mode

14.1. Product Description

Introduction

A dedicated XSecure license key is available to use XFile3 exclusively for automatic archiving and manual restore. In that case, only the Auto Archive tab and the Restore tab are displayed. Some features of the Auto Archive tab and the Restore tab present in the XFile3 full package are not in the AutoArchive and Manual Restore only mode.

The Auto Archive tab is used to create rules for the automatic archiving of clips or playlists from the requested servers to selected destinations.

The Restore tab is used to manually restore the clips and playlists from a hard drive to any EVS video server on the network.

License Management

The license key **10 - 30** must be present and valid to work with the AutoArchive and Manual Restore only mode.

See section "Activating the Licenses in XSecure" on page 5 for the procedure to request and import license codes.

NOTE

If both keys 30 and 20 (Streaming only) are present and valid, the user is asked to choose the mode to work with.

Differences Between the Full Package Mode and the 'Auto Archive and Manual Restore' Only Mode

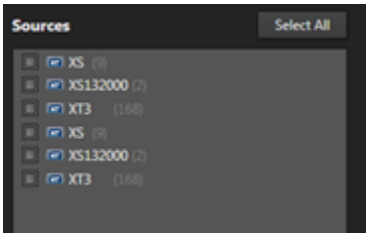
With the AutoArchive and Manual Restore only mode,

- Only the Auto Archive tab and the Restore tab are displayed.
- The Status bar is not displayed.

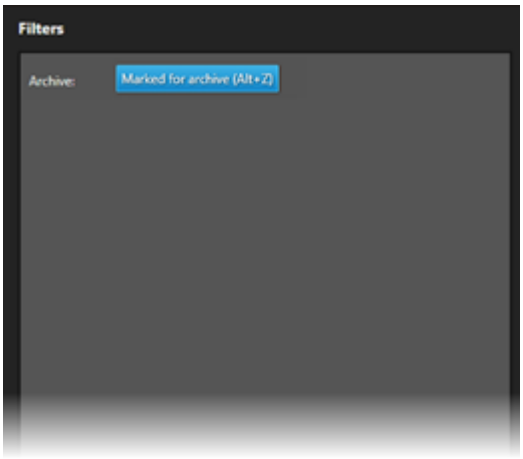
In the Auto Archive tab:

- No auto-archive rule is loaded at startup, even if some had been created in a previous session. If you try to create a second rule, the parameters of the first one are reset with the parameters of the second one.

- The Servers list is displayed without the servers structure (page/bank), so, you can only make a selection at the server level:



- The Template Manager tool is not available.
- Available templates: wrapper templates only, no codecs templates, no templates specific to playlist-related jobs.
- Template edition is not possible.
- The Destinations pane is limited to the selection of a destination path: no Supermotion Clips parameters, no metadata assignment/update, no archive options.
- The Filters pane is limited to the Archive filter: the **Marked for archive** option is selected by default and cannot be cleared:



- up to one rule can be created; no import/export function is available.

In the Restore tab:

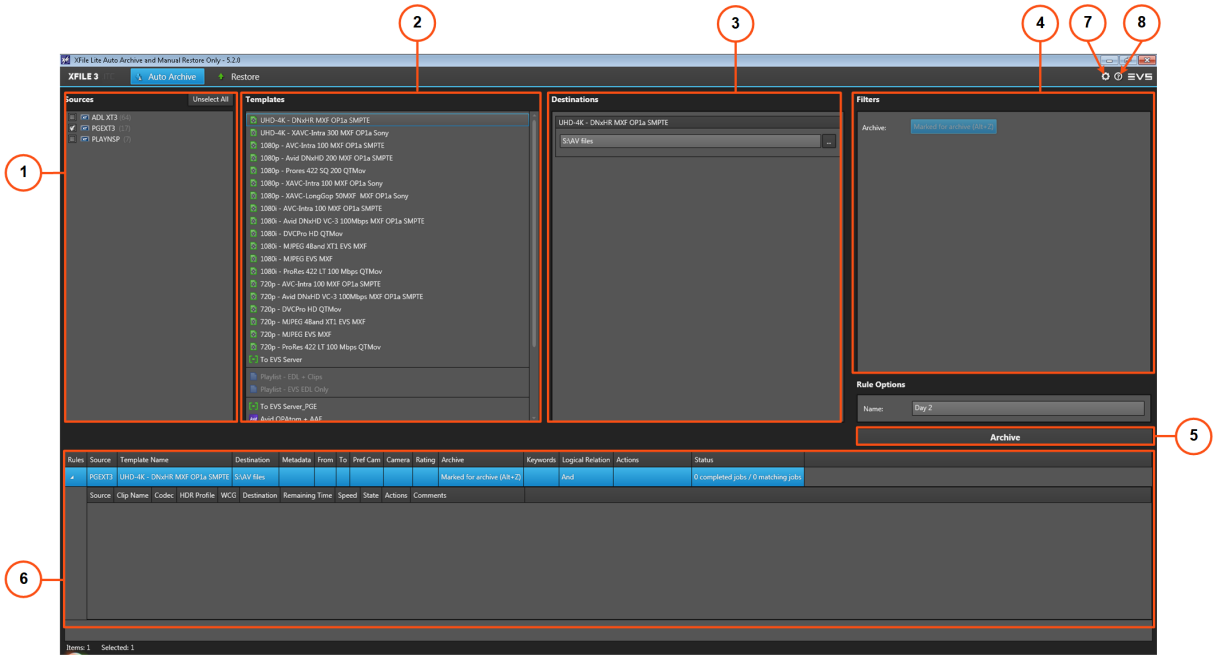
- No Shortcut folder is available to set shortcuts to commonly used folders.
- No Source Clip contextual menu.
- In the Destinations pane, the servers structure (pages and banks) is not displayed: no selection of clip positions is possible

- no restore option is available (copy type, camera, keep original IDs, Limit to short-in/out, and assign keywords to flattened playlist).

14.2. Overview of the Auto Archive Tab

Illustration

In AutoArchive and Manual Restore only mode, the Auto Archive tab contains the areas highlighted on the screenshot below:



Area Description

Sources Pane (1)

This area displays all the servers selected from the Settings > Servers Discovery tab.

See section "Selecting Clips or Playlists to Archive" on page 29.

Templates Pane (2)

This area displays the templates available from the background running Xsquare service manager. See section "Selecting a Job Template" on page 31.

Destinations Pane (3)

From this area, you will select the destination(s) where clips or playlists will be archived. See section "Selecting the Destination Path" on page 57.

Filters Pane (4)

This area displays all the filter options that can be added in the autoarchive rule.

See section "Defining Filters for the Selection of Clips to be Archived" on page 39.

In AutoArchive and Manual Restore only mode, only the Archive filter is displayed. The **Marked for archive** option is selected by default and cannot be cleared.

Rule Options (5)

The **Name** field can be used to give a customized name to the rule.

Create Autoarchive Rule Button (6)

This button is used to create the autoarchive rule.

Jobs Pane (7)

This area displays all the created auto archive rules and the related jobs.

See section "Monitoring Jobs" on page 44.

Settings Button (8)

The **Settings** button gives access to the Settings window, from which various general parameters are defined: Xsquare settings, jobs maintenance, logs file creation, manual server discovery, streaming setting.

See section "Settings" on page 16.

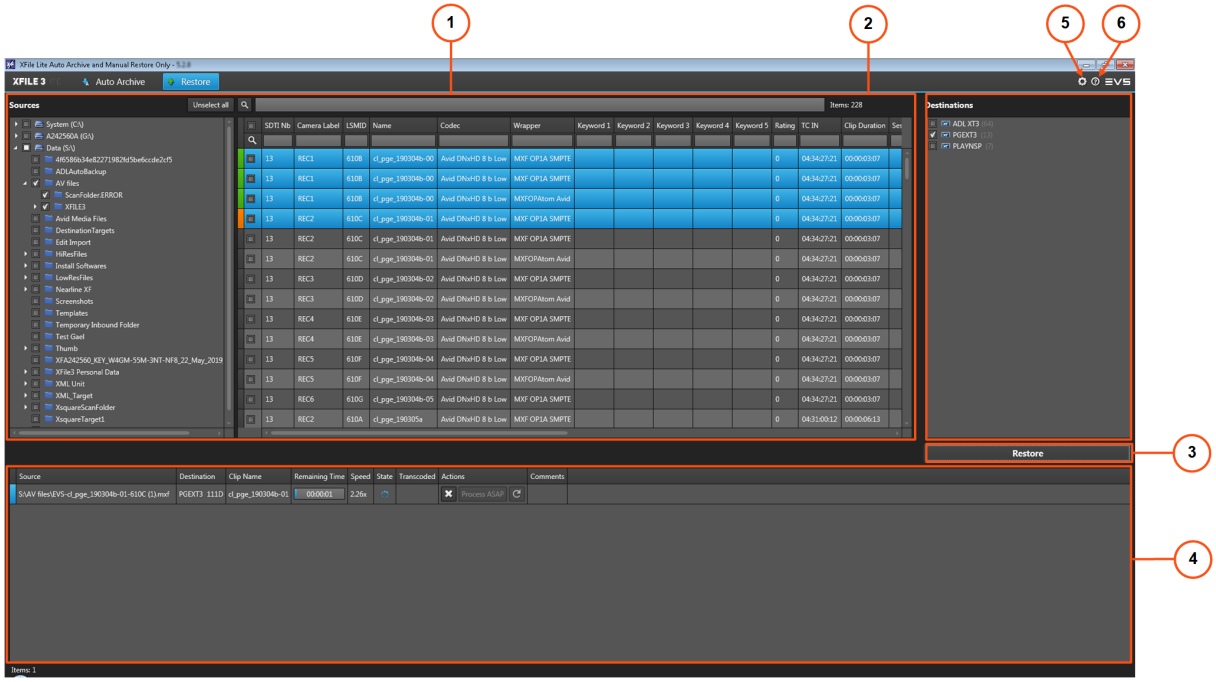
Help Button (9)

The **Help** button gives access to a window with the XFile3 version number and support phone numbers, a link to the XFile3 user manual, and a link to the terms of use.

14.3. Overview of the Restore Tab

Illustration

In the AutoArchive and Manual Restore only mode, the Restore tab contains the areas highlighted on the screenshot below:



Area Description

Sources Pane (1)

This area displays all the locations from which clips can be restored: detected hard drives, including the local paths, folders, subfolders, and clips present in the selected location.

See section "Selecting Clips to Restore" on page 77.

Destinations Pane (2)

This area displays all the servers selected from the Settings > Servers Discovery tab.

From this area, you will select where clips will be restored.

See section "Selecting the Destination Server Position" on page 80.

Restore Button (3)

This button is used to create restore jobs.

Jobs Pane (4)

This area displays all the created jobs and statuses.

See section "Monitoring Jobs" on page 85.

Settings Button (5)

The **Settings** button gives access to the Settings window, from which various general parameters are defined: Xsquare settings, jobs maintenance, logs file creation, manual server discovery, streaming setting.

See section "Settings" on page 16.

Help Button (6)

The **Help** button gives access to a window with the XFile3 version number and support phone numbers, a link to the XFile3 user manual, and a link to the terms of use.

14.4. Steps for the Creation of Auto Archive Rules

How to Create an AutoArchive Rule

To create an autoarchive rule:

1. From the Sources pane, select the source EVS Server where clips or playlists to archive are stored.

   See section "Selecting Clips or Playlists to Archive" on page 29.

2. From the Templates pane, select a job template that specifies the job process to be done by Xsquare.

   See section "Selecting a Job Template" on page 31.

3. From the Destinations pane, select a destination to specify where clips will be archived.

   See section "Selecting the Destination Path" on page 57.

4. Click **Create autoarchive rule**.

A new rule is created and displayed in the Jobs pane. See section "Monitoring Jobs" on page 44.

The rule is immediately taken into account and the previously defined rules are disabled.

All the clips from the selected source which match the defined filters will automatically be archived to the defined destination as soon as the rule is started.

How to Create an AutoArchive Rule to Archive Clips or Playlists from One Server to Another

To archive clips, or playlists, from one server to another, proceed as follows:

1. From the Sources pane, select the source EVS Server where clips, or playlists, to archive are stored.
2. From the Templates pane, select the **To EVS Server** template.
3. From the Select Destination window, select the EVS server where you want to archive clips, or playlists.

   See section "Selecting the Destination Path" on page 57.
4. (Optional) Select the destination position in EVS server.
5. Click **Create autoarchive rule**.

A new rule is created and displayed in the Jobs pane.

14.5. Steps for Restoring Clips

To restore clips,

1. From the Sources pane,
   a. Select the path or drive where clips to restore are stored.
   b. Select the clips to restore from the Media grid.

   See section "Selecting the Media Sources" on page 1.
2. From the Destinations pane, select the server(s) where to restore clips.

   The positions corresponding to the selected server(s) will not be displayed. So you will not be allowed to select a starting point for the restore.

   All the selected clips will be restored to all the selected servers from the first available position on each server.

   See section "Selecting the Destination Server Position" on page 80.
3. Click **Restore**.

All the jobs will be created and displayed in Jobs pane. See section "Monitoring Jobs" on page 85.

15. Streaming Mode

15.1. Product Description

Introduction

A dedicated XSecure license key is available to use XFile3 exclusively for streaming. In that case, only the Streaming tab is displayed. Some features of the Streaming tab present in the XFile3 full package are not in the XFile Lite Streaming only mode.

The Streaming tab is used to back streams up from selected record trains of EVS video servers to predefined destination(s) according to a requested format (job template).

This can be performed simultaneously with the live ingest process.

License Management

The license key **10 - 20** must be present and valid to work with the Streaming only mode.

See section "Activating the Licenses in XSecure" on page 5 for the procedure to request and import license codes.

NOTE

If the code previously used for XFlyStreamer (170-10) had been imported as permanent, it remains active.

NOTE

If both keys 20 and 30 (AutoArchive and Manual Restore only) are present and valid, the user is asked to choose the mode to work with.

Differences Between the Full Package Mode and the Streaming-Only Mode

With the Streaming only mode,

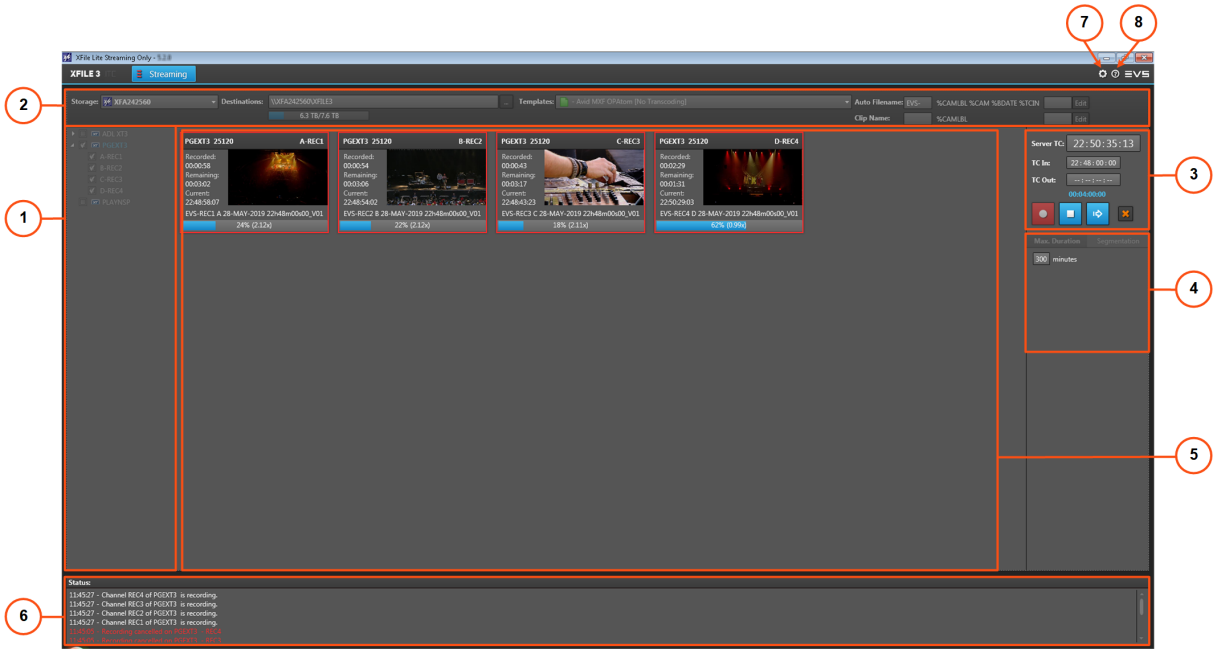
- only the Streaming tab is displayed,
- the Status bar is not displayed,
- the Template Manager tool is not available,
- template edition is not possible

- no backup to several destinations,
- only one group of streams can be recorded (independent groups of streams cannot be used).

15.2. Overview of the Streaming Tab

Illustration

With the XFile Lite Streaming only mode, the Streaming tab contains the areas highlighted on the screenshot below:



Area Description

Servers List (1)

This area displays the list of all servers selected from the Settings > Servers Discovery tab. It is used to select the servers and their camera angles to be streamed.

See section "Servers List and Recorder Channels" on page 1.

Storage Device and Settings (2)

This area is used to select the device (e.g. XF3) where the A/V files will be stored, to set the file destination folder, to set the A/V file format and the auto naming pattern.

See sections "Selecting the Storage Device and the Destination Path" on page 90, "Selecting Job Templates" on page 91 and "Setting the Auto Filename and Clip Name" on page 92.

Stream Recording Commands (3)

This area displays the timecode reference and the commands to set, schedule, start and

stop the recordings.

See section "Stream Recording Commands" on page 1.

Recording Settings (4)

Users can choose to record each stream in a single file with a maximum duration, or to segment each stream in several files with, or without, overlap.

Maximum Duration (4a)

This area displays when the Max. Duration tab is selected.

Users can set the maximum duration for streams by direct entry in the **Max Duration** field. The value can be modified during the recording. Possible values range from 1 to 300 minutes.

Segmentation (4b)

This area displays when the Segmentation tab is selected.

Users can set the segment duration, overlap parameters, and the start and stop times of the stream.

Channels Area (5)

This area shows streaming information for the server recorder channels selected in the Servers list.

See section "Overview of Channels Area" on page 95.

Status Area (6)

This area provides information on the actions performed on the system and on the potential problems.

Settings Button (7)

The **Settings** button gives access to the Settings window, from which various general parameters are defined: Xsquare settings, jobs maintenance, logs file creation, manual server discovery, streaming setting.

In the XFile3 Full Package, a Contribution tab is used for the configuration of the Contribution with C-Next.

See section "Settings" on page 16.

Help Button (8)

The **Help** button gives access to a window with the XFile3 version number and support phone numbers, a link to the XFile3 user manual, and a link to the terms of use.

15.3. Steps for Recording Streams

To create streaming jobs,

1. From the **Storage** field in the Storage Device and Settings pane, select a device to specify where streams will be backed up.

   See section "Selecting the Storage Device and the Destination Path" on page 90.

2. From the **Destination** field in the Storage Device and Settings pane, select a destination to specify where streams will be backed up.

   See section "Selecting the Storage Device and the Destination Path" on page 90.

3. From the **Templates** field in the Storage Device and Settings pane, select a job template that specifies the job process to be done by Xsquare.

   See section "Selecting Job Templates" on page 91.

4. From the Auto Filename area and the Clip Name area, set a format string for the name of the recorded stream files and a format string that will be used as clip name.

   See section "Setting the Auto Filename and Clip Name" on page 92.

5. From the Servers list, select the source EVS server and/or recorder channels from which you want to record streams.

   See section "Selecting the Recorder Channels" on page 97.

   Thumbnails for the corresponding media are displayed in the Channels area.

6. Set the maximum duration for the recorded stream(s).

   See section "Recording a Stream in Standard Mode" on page 102.

7. (Optional) To segment the recorded streams in several files, set the parameters for the segments.

   See section "Recording a Stream in Multiple Segments" on page 1.

8. Click the **Record** button.

   See section "Recording Streams" on page 98.

16. C-Next Contribution Mode

16.1. C-Next Contribution Workflow

Overview

The use of the C-Next Contribution workflow with XFile3 through the C-Next Connected Agent make distant locations available for file archive and restore from XFile3.

When used with C-Next, all the features from the XFile3 tabs are not available. This is detailed in the next sections.

Prerequisites

- Distant locations must have been configured on the C-Next Connected Agent side.
- The Connected Agent must be reachable.

How to Connect XFile3 to C-Next

The connection of XFile3 to C-Next is done from the Contribution tab of the Settings window. The distant locations configured on the C-Next Connected Agent can then be used in XFile3.

See section "Settings" on page 16.

16.2. Archiving Media from an EVS Server to a Distant Location

16.2.1. Distinctive Characteristics of the C-Next Mode

Process

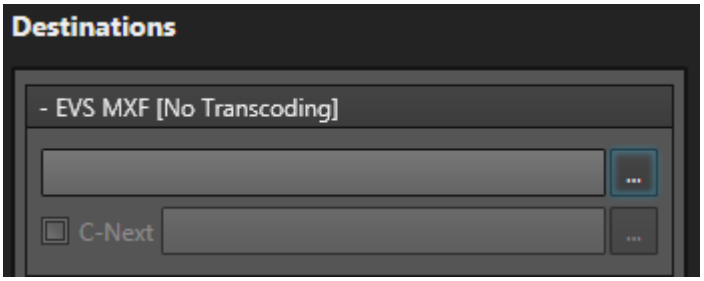
Automatic archiving and manual archiving processes are mostly the same as without C-Next.

Differences and limitations are described hereafter.

Differences Between the Modes with and without C-Next Contribution

Selecting a Distant Location for Archiving

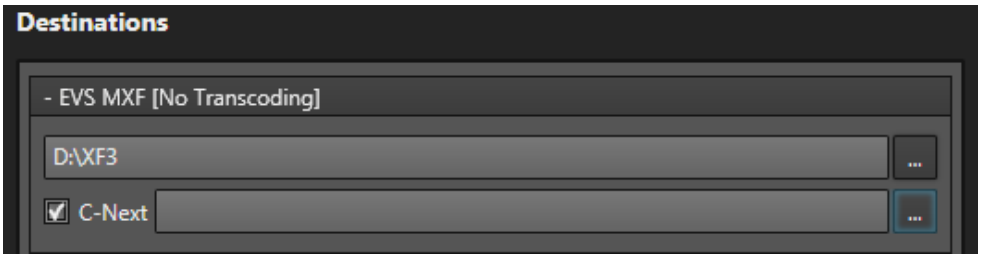
An additional field is displayed under the **Destination** field for the selection of a distant location where media can be sent:



A local destination must first be selected, so the file will be archived locally before being sent to a distant location.

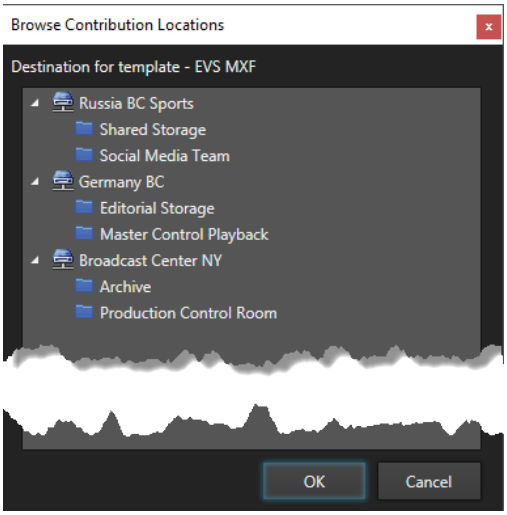
Then, to select a distant destination,

1. Tick the **C-Next** check box.



2. Click the **Browse** button  next to the **C-Next** field.

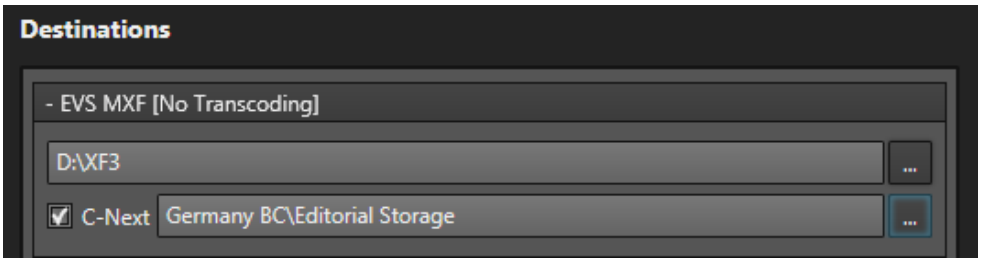
   The Contribution Locations window opens and lists all the locations configured in the Connected Agent.



3. Select one of the distant location.

4. Click **OK**.

   The selected distant location is displayed.



Job Monitoring

The archiving job will be done in two steps

- First, **step 1/2** for the transfer of the file from the EVS server to XFile3. The file stored on XFile3 will not be automatically deleted when the job is complete.
- Then, **step 2/2** for the archiving of the file from XFile3 to the distant location.

The two steps are displayed one after the other in the Jobs pane and could then be individually monitored.

Pending Metadata Updates

When clip metadata are updated on the EVS server after an archiving job has been requested, they are automatically updated on the distant location.

The number next to the 

icon on the Status bar shows the number of pending metadata updates which still not to be processed.

Limitation

- An AutoArchive rule must be stopped to be able to delete or edit it.

16.2.2. Overview of the Auto Archive Tab

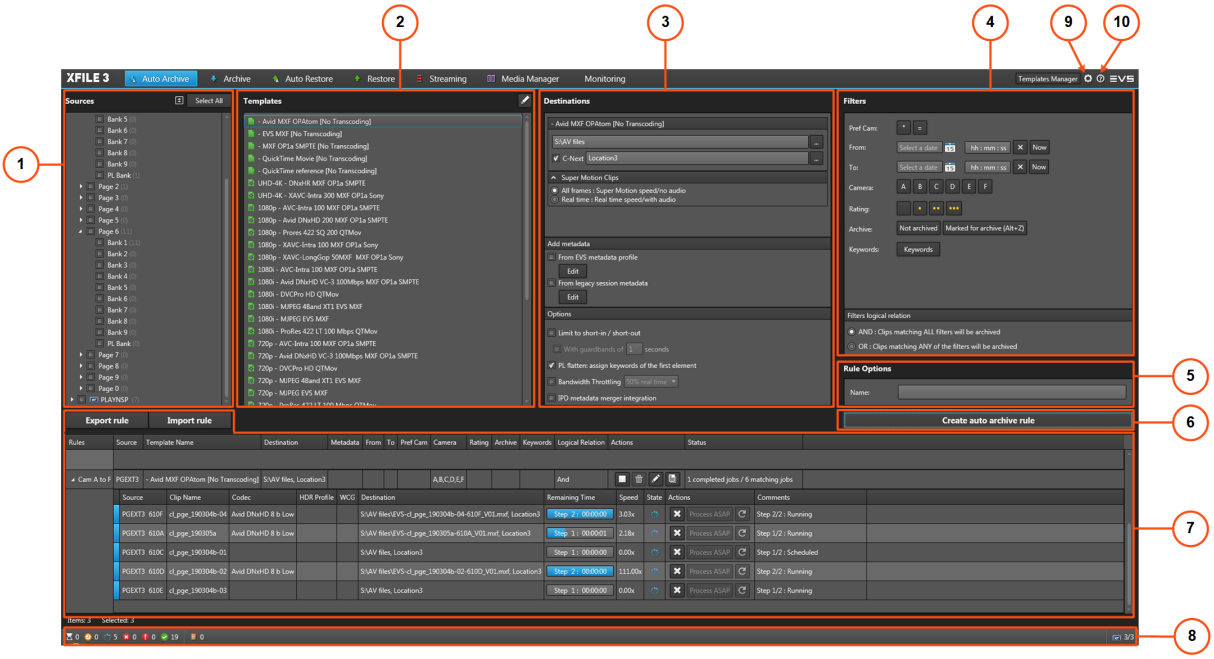
Purpose

The Auto Archive tab is selected by default at startup.

It is used to create auto archive rules for the automatic archiving of clips or playlists from the requested servers to selected local or distant destinations. Specific filters may be set in the rule to refine the list of clips to be archived.

Illustration

When the C-Next Contribution mode has been enabled, the Auto Archive tab contains the areas highlighted on the screenshot below:



Area Description

Sources Pane (1)

This area displays all the servers selected from the Settings > Servers Discovery tab.

The server structure, including pages, banks and PL banks, is also displayed.

From this area, you will select the source of clips or playlists to archive.

See section "Selecting Clips or Playlists to Archive" on page 29.

Templates Pane (2)

This area displays the templates available from the background running Xsquare service manager. See section "Selecting a Job Template" on page 31.

The Template Manager tool is used to manage the list of templates available in the tab. See section "Managing Templates" on page 136.

Destinations Pane (3)

From this area, you will select the destination(s) where clips or playlists will be archived. See section "Selecting the Destination Path" on page 57.

When the C-Next Contribution mode has been enabled, distant destinations are available as well.

From this pane, you can set the Supermotion Clips parameters, define metadata and set options.

See sections "Setting the Supermotion Clips Type" on page 33, "Assigning Metadata to Archived Media" on page 34, "Setting Archive Options" on page 38.

Filters Pane (4)

This area displays all the filter options that can be added in the autoarchive rule.

See section "Defining Filters for the Selection of Clips to be Archived" on page 39.

Rule Options (5)

The **Name** field can be used to give a customized name to the rule.

Create Autoarchive Rule Button (6)

This button is used to create the autoarchive rule.

Jobs Pane (7)

This area displays all the created auto archive rules and the related jobs.

See section "Monitoring Jobs" on page 44.

Above the Jobs pane, two buttons are available to import or export rules.

See section "Managing Rules" on page 46.

Status Bar (8)

Job Status

The Status bar gives the total number of jobs for each job status (Waiting, Scheduled, Running, Canceled, Failed, Completed), irrespective of transfer types (tabs).

When the C-Next Contribution mode has been enabled, an additional icon provides the number of Pending C-Next Metadata Updates.

Number of Connected EVS Servers

To the right of the Status bar, a read-only information shows

- the number of EVS servers selected from the Settings to work with XFile3, and
- the total number of EVS servers discovered.

See the Server Discovery tab in section "Settings" on page 16 for more information.

Settings Button (9)

The **Settings** button gives access to the Settings window, from which various general parameters are defined: Xsquare settings, jobs maintenance, logs file creation, manual server discovery, streaming setting, Contribution with C-Next.

See section "Settings" on page 16.

Help Button (10)

The **Help** button gives access to a window with the XFile3 version number and support phone numbers, a link to the XFile3 user manual, and a link to the terms of use.

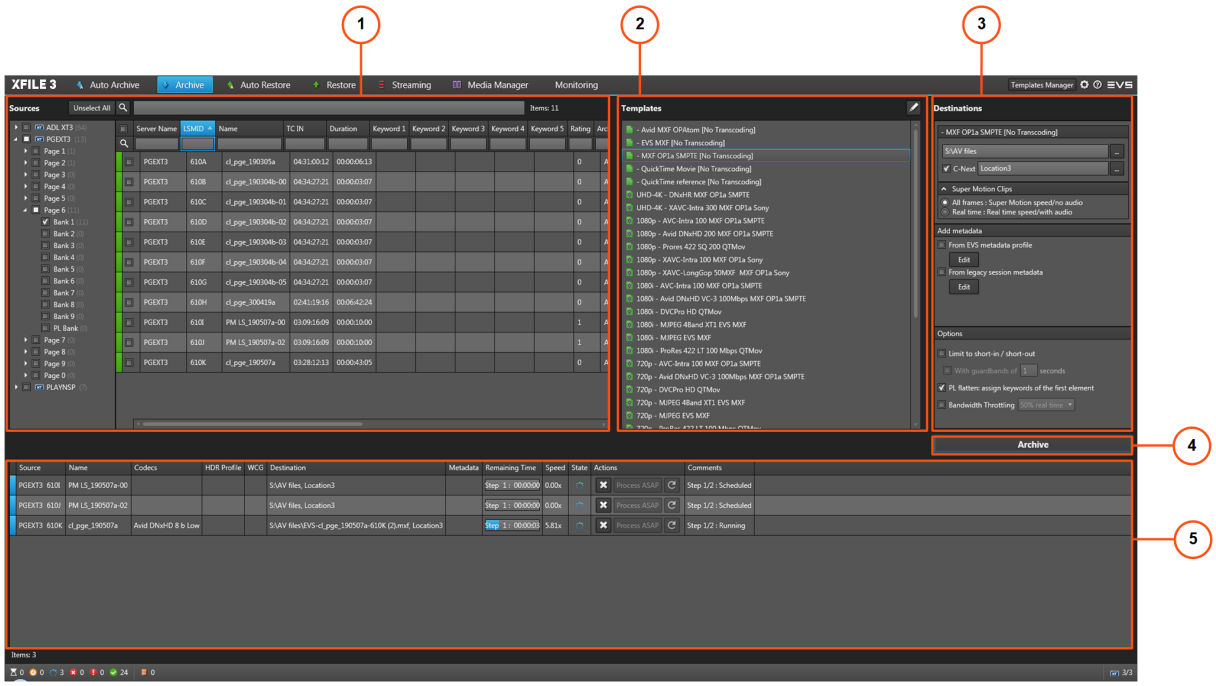
16.2.3. Overview of the Archive Tab

Purpose

The Archive tab is used to manually archive specific clips or playlists from the requested EVS video servers to the predefined destinations with the requested formats.

Illustration

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



Area Description

Sources Pane (1)

This area displays all the servers selected from the Settings > Servers Discovery tab.

The server structure, including pages, banks and PL banks, is also displayed.

See section "Selecting Clips or Playlists to Archive" on page 55.

Templates Pane (2)

This area displays the templates available from Xsquare.

See section "Managing Templates" on page 136.

Destinations Pane (3)

From this area, you will select the destination(s) where clips or playlists will be archived.

When the C-Next Contribution mode has been enabled, distant destinations are available.

From this pane, you can set the Supermotion Clips parameters, define metadata and set options.

See sections "Selecting the Destination Path" on page 57, "Setting the Supermotion Clips Type" on page 33, "Assigning Metadata to Archived Media" on page 34, "Setting Archive Options" on page 59.

Archive Button (4)

This button is used to create archive job.

Jobs Pane (5)

This area displays all the created jobs.

See section "Monitoring Jobs" on page 61.

16.3. Restoring Media to an EVS Server from a Distant Location

16.3.1. Distinctive Characteristics of the C-Next Mode

Process

Automatic restore and manual restore processes are mostly the same as without C-Next.

Differences and limitations are described hereafter.

Differences Between the Modes with and without C-Next Contribution

Selecting a Distant Location as a Source for Restore

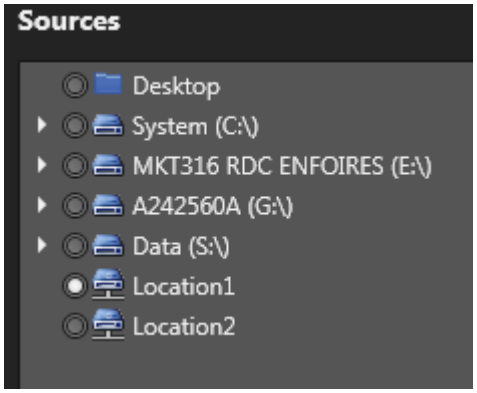
The distant locations configured from the C-Next Connected Agent are displayed in the Sources pane and can be selected as a source for restore.

Local locations are represented by .

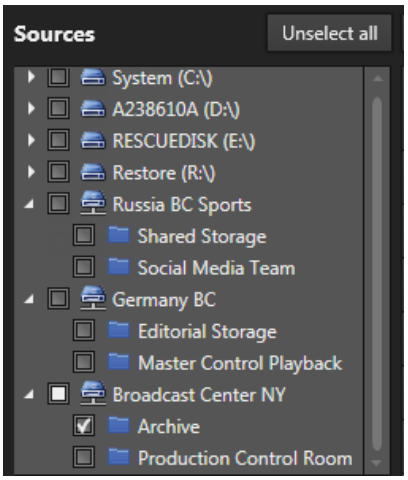
Distant locations are represented by .

1. Select the check box next to a location.

Auto Restore



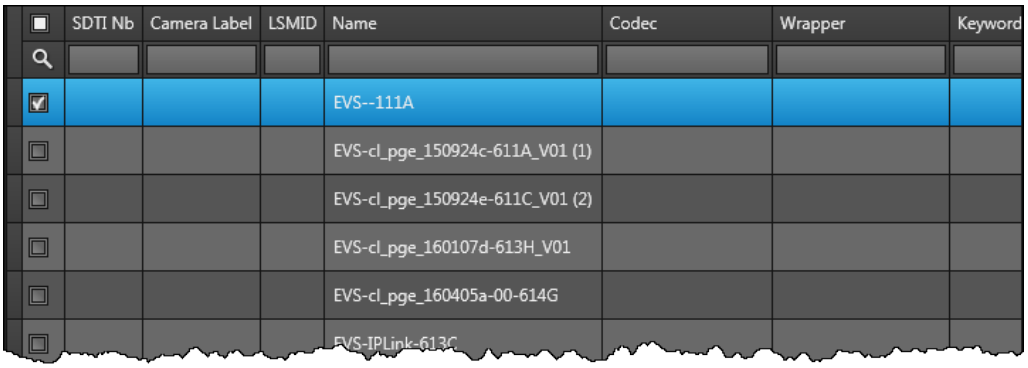
Restore



2. (For Restore operations) From the Media grid, select the check boxes at the beginning of a line to select the corresponding clips.

Restricted Metadata of the Files to be Restored

In the Restore tab, Media grid information is restricted to the name of the files stored on the distant location.



Restore Options - Copy Type

In the Restore tab, the copy type, from the Options pane, is forced to **Continuous**.

Job Monitoring

The restore job will be done in two steps.

- First, **step 1/2** for the transfer of the file from the distant location to XFile3. The file will be temporarily stored in the **temporary inbound folder** defined from the Settings window.
- Then, **step 2/2** for the transfer of the file from XFile3 to the EVS server.

The two steps are displayed one after the other in the Jobs pane and could then be individually monitored.

Limitations

- An AutoRestore rule must be stopped to be able to delete or edit it.
- Multiple files types are not supported in Restore/AutoRestore, only media+xml files.

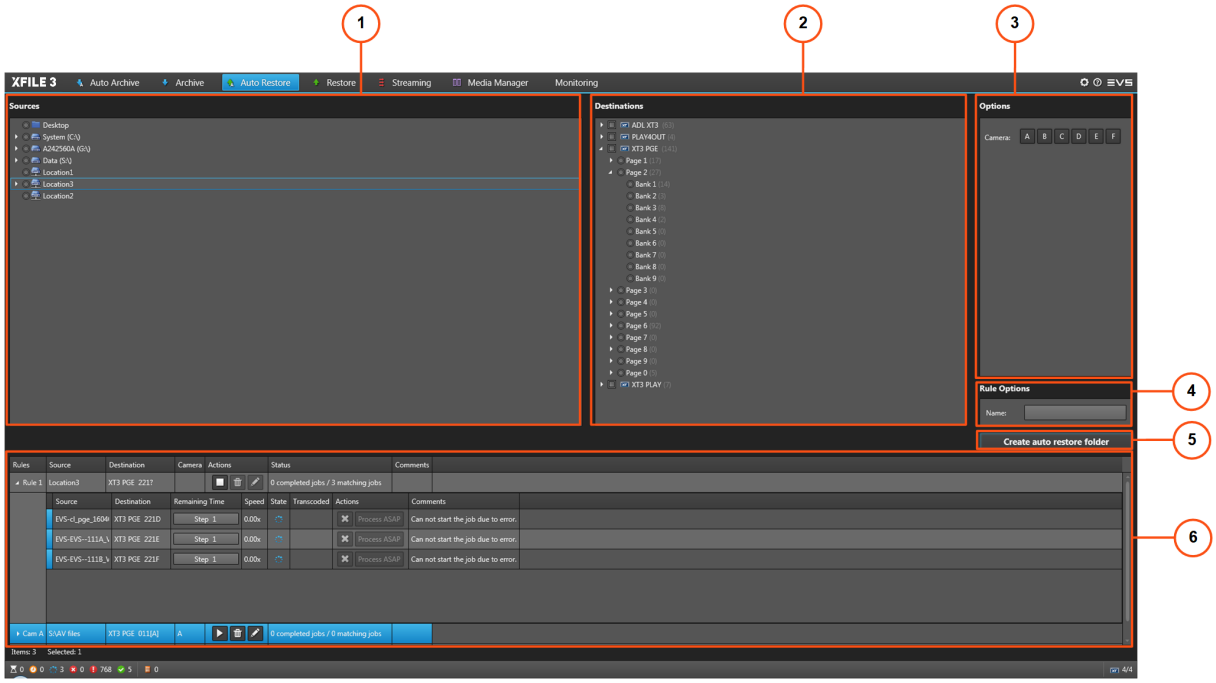
16.3.2. Overview of the Auto Restore Tab

Purpose

The Auto Restore tab is used to create rules for the automatic restore of archived clips from a local hard drive / folder or from a distant location to the EVS video servers. Specific filters may be set in the rule to refine the list of clips to be restored.

Illustration

The Auto Restore tab contains the areas highlighted on the screenshot below:



Area Description

Sources Pane (1)

This area displays all the locations from which clips can be restored:

- detected hard drives, including the local paths, folders and subfolders. Local locations are represented by .
- distant locations, when the C-Next Contribution mode has been enabled. Distant locations are represented by .

See section "Selecting the Folder Source for Restore" on page 65

Destinations Pane (2)

This area displays all the servers selected from the Settings > Servers Discovery tab and their clip structure, including the pages and banks.

From this area, you will select where clips will be restored.

See section "Selecting the Destination Server Position" on page 66.

Options Pane (3)

This area displays the cameras or network drive credentials if a network drive is selected.

See sections "Defining Filters for the Selection of Clips to be Restored" on page 67 and "Setting Network Drive Credentials" on page 67.

Rule Options (4)

The name field can be used to give a customized name to the rule.

Create Auto Restore Folder Button (5)

This button is used to create the auto restore rule.

Jobs Pane (6)

This area displays all the created jobs and their statuses.

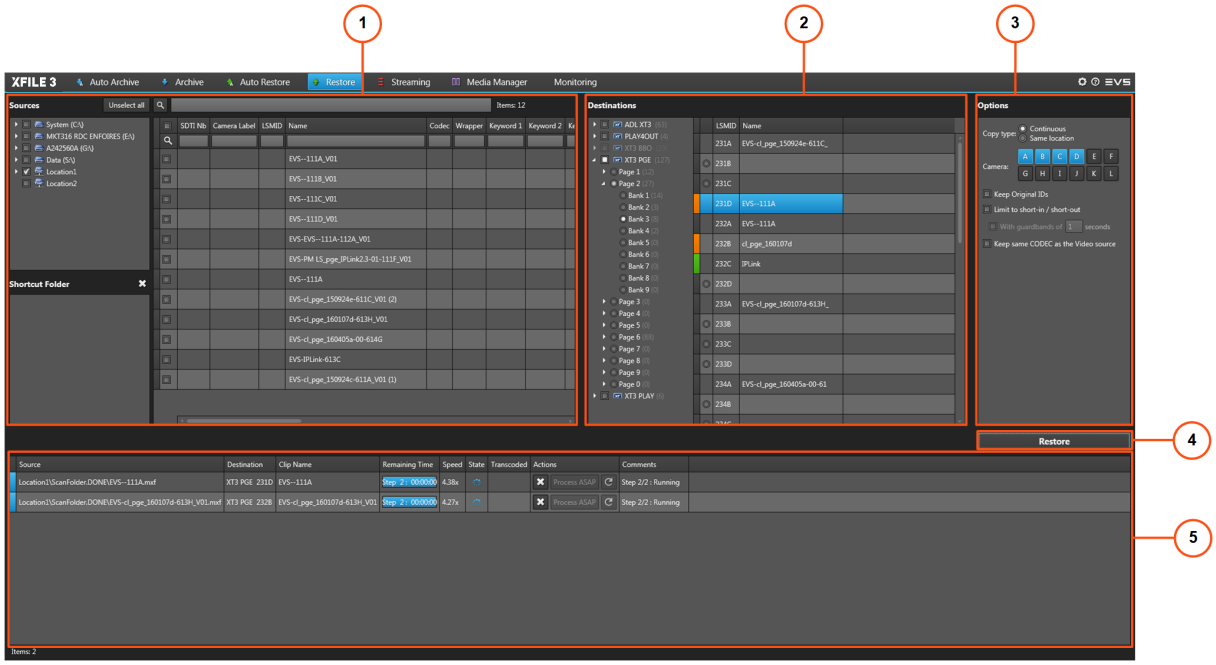
See section "Monitoring Jobs" on page 68.

16.3.3. Overview of the Restore Tab

Purpose

The Restore tab is used to manually restore specific clips or playlists from a selected hard drive / local folder or from a distant location to a selected position of any EVS video server on the network.

Illustration



Area Description

Sources Pane (1)

Drives / Locations List (1a)

This area displays all the locations from which clips can be restored:

- detected hard drives, including the local paths, folders, subfolders, and clips present in the selected location. Local locations are represented by  .
- distant locations and clips, when the C-Next Contribution mode has been enabled. Distant locations are represented by  .

Shortcut Folder Area (1b)

The bottom left pane of the Sources pane may be used to set shortcuts to Sources folders often used. See section "Creating Shortcuts to Source Folders" on page 78.

Media Grid (1c)

When C-Next Contribution mode has been enabled and a distant location is selected, Media grid information is restricted to the name of the files stored on the distant location.

See section "Selecting Clips to Restore" on page 77.

Destinations Pane (2)

This area displays all the servers selected from the Settings > Servers Discovery tab.

From this area, you will select where clips will be restored.

See section "Selecting the Destination Server Position" on page 80.

In Full Package mode, the servers structure, including the pages, banks and some metadata of all the clips, is also displayed.

Options Pane (3)

This area provides some options: the copy type, camera, keep original IDs, Limit to short-in/out, and assign keywords to flattened playlist.

See sections "Defining Filters for the Selection of Clips to be Restored" on page 83 and "Setting Restore Options" on page 83.

Restore Button (4)

This button is used to create restore jobs.

Jobs Pane (5)

This area displays all the created jobs and statuses.

See section "Monitoring Jobs" on page 85.

16.4. Transferring Media

16.4.1. Distinctive Characteristics of the C-Next Mode

Process

When the C-Next Contribution mode has been enabled, distant locations can be selected for file transfers from distant locations to XFile3 local folders and vice-versa.

All the features described for the Media Manager tab remain available, provided that a distant location is not selected.

As soon as a distant location is selected, the features proposed in the Media Manager tab are limited.

Limitations in comparison to the mode without C-Next are described hereafter.

Limitations

Transferring Files

Transfers are only possible between distant locations and XFile3 local folders and vice-versa.

- Transfers between a distant location and a server is not possible. As soon as a distant location is selected, the **Server** button from the other pane is not available.

- Transfers between two distant locations is not possible.
- No transcoding or rewrapping is possible. No template can be selected.

- Remaining time is not displayed in the Jobs pane when copying from a distant location to XFile3 local folders.

Previewing, Editing and Exporting a Media Item

The Player pane cannot be used. So, it is not possible to preview, edit or export a distant element.

As soon as a distant location is selected, the **Player** button from the other pane is not available.

Applying Filters on Lists

It is not possible to apply a filter on media lists.

Comparing two Media Lists

It is not possible to compare two media lists.

As soon as a distant location is selected, the **Show Differences** button is not available.

Contextual Menu on Location Folder

No contextual menu is available on a distant location from the Locations list.

Contextual Menu on Distant Element

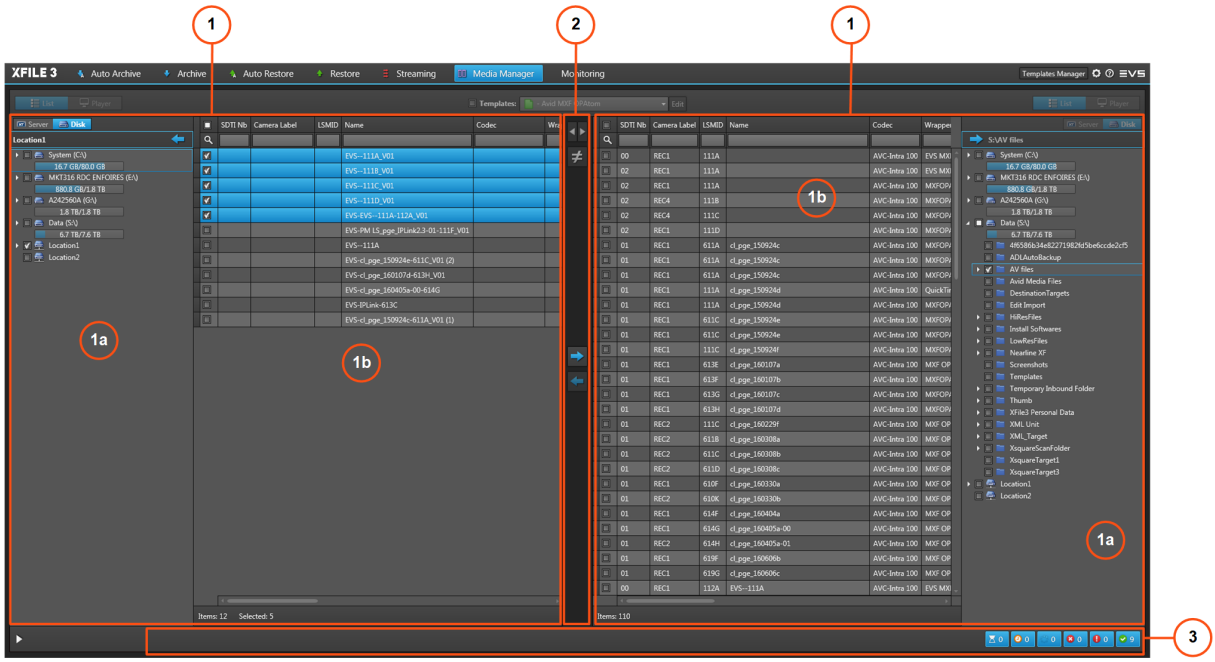
No contextual menu option is available on a distant element from the Media grid.

16.4.2. Overview of the Media Manager Tab

Illustration

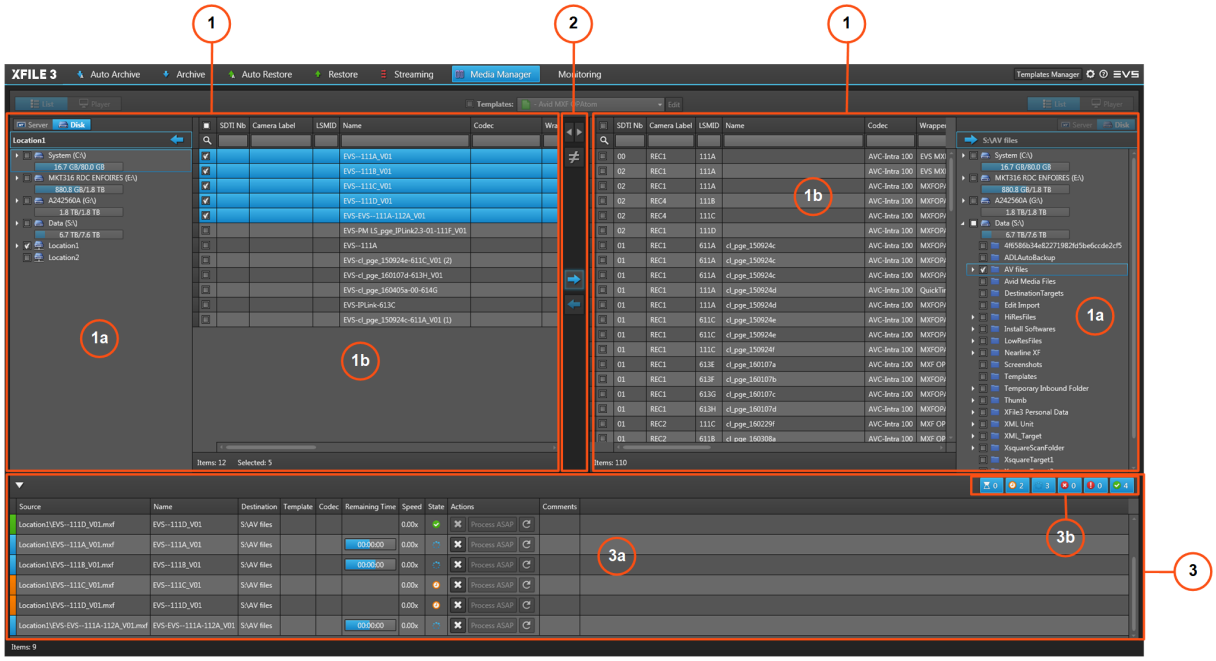
This section shows the Media Manager tab when a distant location is selected.

Two-Lists Layout



Layout with Jobs Monitoring Pane

The Jobs Monitoring pane is displayed at the bottom of the Media Manager tab by clicking the  button. It can be hidden by clicking the  button.



Area Description

List Pane (1)

Local Hard Drives / Locations List (1a)

This area displays all the hard drives detected by XFile3 and their subfolders. It gives information on remaining / full capacities for each disk. The mapped drives and mobile hard drives are detected as well.

Local locations are represented by  .

A contextual menu provides some options when you right-click an element in the Local Hard Drives list. See section "Possible Actions on Drive Folders" on page 117.

Distant locations configured on the C-Next Connected Agent are displayed as well.

Distant locations are represented by  .

Media Grid (1b)

This area displays all the files or clips located on the storage selected from the Local Hard Drives / Locations list.

A contextual menu provides some options when you right-click a local element in the Media grid. See section "Media Item Contextual Menu" on page 118.

Lists Management Buttons (2)

This area provides buttons to copy media items from one list to the other  . See section "Transferring Files from One Storage to Another" on page 125.

Jobs Monitoring Pane (3)

This area is displayed by clicking the  button at the bottom of the Media Manager tab.

The Jobs grid (3a) shows all the jobs and gives indication on their status. See section "The Jobs Pane in the Media Manager Tab" on page 130.

Filter buttons (3b) allows users to filter the Jobs grid according to the job status (Waiting, Scheduled, Running, Canceled, Failed, Completed) and shows the number of jobs for each job status. See section "Filtering Jobs" on page 131.

16.5. Monitoring Jobs Managed by C-Next

16.5.1. Distinctive Characteristics of the C-Next Mode

Process

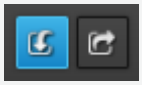
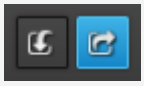
Job monitoring process is mostly the same as without C-Next.

Differences are described hereafter.

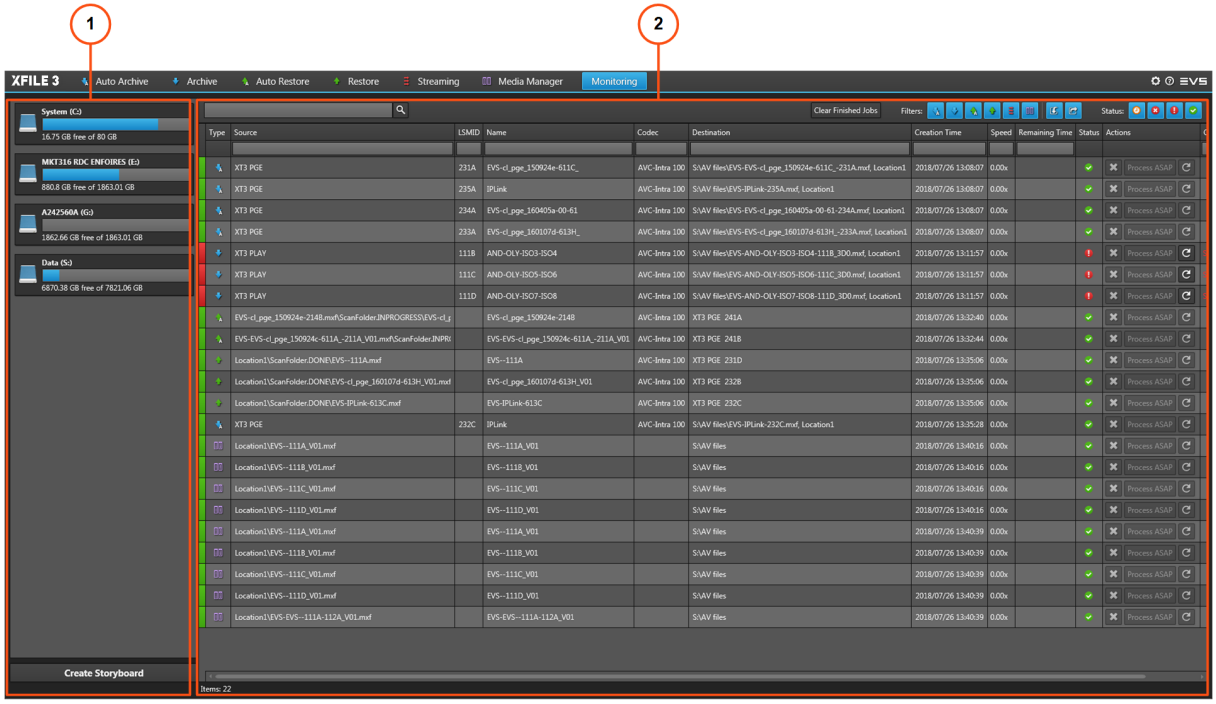
Differences Between the Modes with and without C-Next Contribution

Filter by C-Next Job Type

Two additional filters are available to filter the jobs managed by C-Next for archiving to distant locations and restore from distant locations.

Filter Button	Action
	Restore jobs, managed by C-Next, from distant locations are displayed in the Jobs pane.
	Archive jobs, managed by C-Next, to distant locations are displayed in the Jobs pane.

16.5.2. Overview of the Monitoring Tab



Hard Drives Pane (1)

The Hard Drives pane, on the left of the Monitoring tab, displays all the hard drives detected by XFile3 and is used in storyboard creation.

See section "Creating a Storyboard of Archived Clips" on page 151.

Jobs Pane (2)

The Jobs pane, on the right of the Monitoring tab, is used for job monitoring.

It gives an overview on all the jobs initiated from the Auto Archive, Archive, Auto Restore, Restore, Streaming and Media Manager tabs and their status.

Section "Searching for Media" on page 133 describes how to organize columns and how to search for jobs.

Several types of filter buttons are available at the top of the Jobs grid. They are used to filter the grid based on the job type, the job status, or the C-Next job type: distant restore or distant archive. See section "Filtering Jobs" on page 149.

Jobs Status Color Code

A color code, at the beginning of each job line, and a colored icon in the Status column specify the exact status of each job.

Status	Job Status Color Code	Job Status Icon	Meaning
Waiting			The job has been created and stored in the XFile3 database.
Scheduled			The job has been sent to Xsquare and is scheduled to be processed.
Running			The job is running.
Canceled			User has canceled the job.
Failed			The job failed.
Completed			The job completed successfully.

Jobs Columns Description

Column	Description
Type	Icon representing the type of job:  - Auto Archive jobs  - Manual Archive jobs  - Auto Restore jobs  - Manual Restore jobs  - Streaming jobs  - jobs initiated from the Media Manager tab
Source	Displays the source information in corresponding tabs.
LSM_ID	LSM ID assigned to the clip.
Name	Name of the clip/file.
Codec	Video codec of the archived or restored clip.
Destination	Destination where the clip is archived, restored, streamed or copied.
Creation Time	Creation date and time of the job.
Speed	Current archiving/restoring speed of a job as a multiple of x.
Remaining Time	Remaining time of a job.
Status	Icon representing the current job status.
Actions	Buttons for the management of the job. See section "Managing Jobs" on page 147.
Comments	Information from Xsquare and XFile3.

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