# **USER MANUAL**

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## What's New

In the User Manual the icon **NEW!** has been added on the left margin to highlight information on new and updated features.

The sections updated to reflect the new and modified features in XFile3 version 5.1 (compared to version 5.0 - August 2018) are listed below.

#### New compatible hardware

XFile3 can be installed on XS-VIA server.

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

#### About window has been revised

• See section "Overview of the Main Window" on page 23.

#### Give a name to an Auto Archive rule

Possibility to give a customized name to a rule, and to edit the name afterwards.

- See section "Overview of the Auto Archive Tab" on page 26 (Full Package mode).
- See section "Overview of the Auto Archive Tab" on page 167 (C-Next mode).
- See section "Steps for the Creation of Auto Archive Rules" on page 28.
- See section "Managing Rules" on page 46.

#### Give a name to an Auto Restore rule

Possibility to give a customized name to a rule, and to edit the name afterwards.

- See section "Overview of the Auto Restore Tab" on page 63.
- See section "Steps for the Creation of Auto Restore Rules" on page 64.
- See section "Managing Rules" on page 70.

#### **Duplicate an Auto Archive rule**

Possibility to quickly duplicate an existing rule.

See section "Managing Rules" on page 46.

#### Clip metadata - HDR and WCG

The HDR and WCG profiles of a clip are displayed with clip metadata.

- See section "The Jobs Pane in the Auto Archive Tab" on page 44.
- See section "Monitoring Jobs" on page 61 (Archive).
- See section "The Jobs Pane in the Media Manager Tab" on page 130.
- See section "The Monitoring Tab" on page 145.

#### Export/Import an Auto Archive rule in C-Next mode

See section "Overview of the Auto Archive Tab" on page 167 (C-Next mode).



## 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 Media Manager user manual.





## 2. Getting Started

## 2.1. Installation

## 2.1.1. Hardware and Software Requirements

### **Hardware Requirements**

XFile3 can be installed on one of the following hardware:

- XFile3 Hardware (REF: XF3-2U-4, XF3-2U-2 and XF3-3U-2)
- NEW ! · XS-VIA

## **Operating System**

- Windows 7 64 bits
- 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.

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.

The list of license available codes is given hereafter.

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.



## 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:

 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:

Setup		×
XFile3 now requires installing Microsoft .NET Fram Click Install to proceed with the .Net Framework in You will need to reboot after the .Net Framework	ework nstallation. installation before installing the	e XFile3 software.
	Cancel	Install

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

	×
Extracting files	
Microsoft NET Framework	53
Installation Progress Please wait while the .NET Framework is being installed.	Microsoft .NET
File security verification:	
All files were verified successfully.	
Installation progress:	٥.
Installing .NET Framework	
	Cancel
	Cancer



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



## **XFile3 Installation**



- 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.

😽 Setup - XFile3		
X·FILE 3 ////	Welcome to the XFile3 Setup Wizard	
	This will install XFile3 version 11 5 million on your computer.	
	It is recommended that you close all other applications before continuing,	
	Click Next to continue, or Cancel to exit Setup.	
	Next > Cancel	



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

🕈 Setup - XFile3	, • 💌
License Agreement Please read the following important information before continuing.	≣∨⊑
Please read the following License Agreement. You must accept the terms of thi agreement before continuing with the installation.	s
USER LICENSE AGREEMENT FOR EVS BROADCAST EQUIPMENT SOFTWARE	*
IMPORTANT-READ CAREFULLY:	
This EVS Broadcast Equipment End-User License Agreement ("EULA") is a legal agreement between you (either an individual or a single entity) and EVS Broadcast Equipment for the EVS software product identified above, which includes computer software and may include associated media, printed materia and "online" or electronic documentation ("SOFTWARE PRODUCT"). By installing, copying, or otherwise using the SOFTWARE PRODUCT, you agre be bound by the terms of this EULA.	als, e to 👻
I accept the agreement	
I do not accept the agreement	
< Back Next >	Cancel

- b. Click Next.
- 4. In the Information window, click Next.

🕈 Setup - XFile3	- • -
Information Please read the following important information before continuing.	≡∨⊑
When you are ready to continue with Setup, click Next.	
This setup also includes XFile Lite Auto Archive and Man Restore Only and XFile Lite Streaming Only.	ual
It does NOT, however, install XFile Lite Media Manager.	
< Back Next >	Cancel

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

😽 Setup - XFile3	
Select Destination Location Where should XFile3 be installed?	≡∨⊑
Setup will install XFile3 into the following folder.	
To continue, click Next. If you would like to select a different folder, cli	ck Browse.
C:\Program Files\EVS Broadcast Equipment\XFile3	Browse
At least 561.7 MB of free disk space is required.	
< Back Next >	Cancel

- 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,

Setup - XFile3	- • •
Select Personal Data Directory Where should personal data files be stored?	≡∨⊑
Select default path to create share folder to save data, then click Next.	Browse
<pre> &lt; Back Next &gt;</pre>	Cancel

- 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).

😽 Setup - XFile3		• <b>- x</b>
Install Mode Select the install mode		≡∨⊑
Please select the install mode you want		
Full install mode		
Advanced install mode		
	< Back Next > Ca	ancel

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

🐮 Setup - XFile3	
Select Components Which components should be installed?	≡∨⊑
Select the components you want to install; clear the components you do install. Click Next when you are ready to continue.	not want to
Full installation	-
FTPServer 1 d a	= = MB
DiscoveryClient	MB
☑ XFile3	etal) # MB
V XSecure	
XSquare XSquare	att. 3 MB
Viewer XViewer	
Current selection requires at least 560.1 MB of disk space.	
< Back Next >	Cancel

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.

Setup - XFile3	- • •
Select Start Menu Folder Where should Setup place the program's shortcuts?	≡∨⊑
Setup will create the program's shortcuts in the following Start I	Menu folder.
To continue, click Next. If you would like to select a different folder, click	Browse,
EVS Broadcast Equipment\XFile3	Browse
< Back Next >	Cancel

- 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.

😽 Setup - XFile3	
Select Additional Tasks Which additional tasks should be performed?	≡∨⊑
Select the additional tasks you would like Setup to perform while installing click Next. Additional icons:	ı XFile3, then
Create a desktop icon	
< Back Next >	Cancel

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.

🕈 Setup - XFile3 📃	
Ready to Install Setup is now ready to begin installing XFile3 on your computer.	≣∨⊑
Click Install to continue with the installation, or click Back if you want to review o change any settings.	ır
Destination location: C:\Program Files\EVS Broadcast Equipment\XFile3	Â
Setup type: Full installation	Ξ
Selected components: FTPServer 1.0.8 DiscoveryClient 01.00.27 XFile3 XSecure XSquare XViewer	-
4	F.
< Back Install	Cancel

The installation is launched:

😽 Setup - XFile3		• 💌
Installing Please wait while Setup installs XFile3 on your computer.		≡∨⊑
Extracting files C:\\Temp\is-F2L8U.tmp\XSquare\Xsquare_Suite_3.10.2.27_Setupwin7	'_full.exe	
		ancel

- 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.
- 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**

🌿 Settings	× · · · · · · · · · · · · · · · · · · ·
Xsquare Settings	Xsquare Settings
Maintenance	Define here how many jobs this XFile3's processing tool (XSquare) is doing simultaneously.
Logs	Launching too many jobs simultaneously will slow down transfer speed. Transcoding jobs
Server Discovery	require CPU. Default settings are 12 jobs and 6 transcoding jobs.
Streaming	Maximum number of simultaneous jobs
Contribution	
	Maximum number of simultaneous transcoding jobs 6
	Reset to default settings
and the second s	
	Apply Save & Quit Cancel

#### 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.

🗯 Settings	
Xsquare Settings Maintenance Logs Server Discovery	Logs If you experience problems with XFile3, please collect the log files using the button below and create a support ticket on http://support.evs.com Zip XFile3 database and log files
Streaming Contribution	مىلىنى بەرمەنىرى بارىيى بىرى مىلىكى بىر مەرمىيى بىرى بىرىكى بىرى بىرى
	Apply Save & Quit Cancel



## **Servers Discovery**

M Settings	15				199		×
Xsquare Settings	Server	Discovery					
Maintenance	Add	the following ser	vers to this XFil	e3			
Logs	PC L/	AN IP address					Add
Server Discovery							
Streaming		Network name	Serial number	PC LAN address	Version	State	Action
Contribution		ХТЗ	120560	10.129.80.31	14.2.4	Discovered	Î
		XS132000	132000	10.129.80.33	11.2.87	Discovered	
		xs	128080	10.129.80.35	11.2.87	Discovered	
		XS132000	132000	10.129.80.33	11.2.87	Discovered	
		xs	128080	10.129.80.35	11.2.87	Discovered	
		XS132000	132000	10.129.80.33	11.2.87	Discovered	
		ХТЗ	120560	10.129.80.31	14.2.4	Discovered	t d
		XS132000	132000	10.129.80.33	11.2.87	Discovered	Ŵ
		xs	128080	10.129.80.35	11.2.87	Discovered	۲.
		ХТЗ	120560	10.129.80.31	14.2.4	Discovered	Ŵ
		XS132000	132000	10.129.80.33	11.2.87	Discovered	t de la constante de la consta
	×	xs	128080	10.129.80.35	11.2.87	Discovered	۵.
						1	0/31 Servers
				Apply	y Sa	we & Quit	Cancel

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

## Streaming

🗲 Settings	
Xsquare Settings	Streaming
Maintenance	
Logs	Auto Grab: 5 seconds 🔹 🕐
Server Discovery	
Streaming	
Contribution	
	and the second sec
man and the second s	
	Apply Save & Ouit Cancel

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

💅 Settings	×		
Xsquare Settings	Contribution		
Maintenance	Enable C-Next: Yes No		
Logs Server Discovery			
Streaming	Temporary Inbound Folder: Restore jobs		
Contribution	S:\Temporary Inbound Folder		
	Connection to the Connected Agent		
	IP Address: Connect		
a second and	and the second		
	Apply Save & Quit Cancel		

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

- 1. Click Yes next to Enable C-Next.
- 2. Define the <u>temporary inbound folder</u> 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.



- 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:

🌿 Settings					
Xsquare Settings	Contribution				
Maintenance	Enable C-Next:	Yes No			
Logs					
Server Discovery	Temporary Inbound Folder: Restore jobs				
Streaming					
Contribution	S:\Temporary Inbound	Folder			
	Connection to the Connected Agent				
	IP Address: 10.129.59.4	14 Connect			
	Locations				
	Name	Protocol			
	Location1	com.evs.sharedfolder			
	Location2	com.evs.sharedfolder			
	<b>A</b>				
and the second of the					
		Apply Save & Quit Cancel			



## 3. Overview of the Main Window

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

		2	3 4 5
VE12 510			
K-FILE 3 🔥 Auto Archive 🔹 A	rchive 🐁 Auto Restore 🔹 Restore 🗏 Streaming 💷 I	Media Manager Monitoring	Templates Manager 🗘 🕐 🖃 🗸
Sources E Select All	Templates	Destinations	Filters
•         •	B	Add offsi SAVTE     Skyl Mee     Skyl M	Perf Cam:       •         Prom:       Sectardati tit         A       C       D         Ruing       •       O         Achieve       Narked for archive (Ma-2)         Keyword:       Egymotic         Fibers logical relation:         •       AD: Optimation ALL fibers will be archived         •       Optimations         Ruing       •         Name       •
Export rule Import rule			Create auto archive rule
Aute:         Source         Template Name         Destination           YAME         MAX OFLOWING         Source         Cop Name           X13 PGE         650         Mix Spec_170254-62           X13 PGE         650         drags_171024-62           X13 PGE         710         71000000000000000000000000000000000000	Metadati         From         To         Prof Cam         Came         Bang         Achie         Segment         Logic           Coder         HBR Pool         WCC         Bite         Bite	Partent         Research         State           Image: Image	
	6		in) 44

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 **Settings** 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)

NEW !

The **Help** button **I** 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.

#### 📼 5/5

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.

#### **NEW!** 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:

 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.



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.

**NEW!** 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.
- **NEW** 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.

Sources	÷.	Select All
• 🔲 📼 MRW (3)		
► <b>XT ADL</b> (88)		
🔺 🔲 📼 XT3 PGE (179)		
Page 1 (13)		
Page 2 (64)		
Page 3 (0)		
Page 4 (0)		
Page 5 (0)		
Page 6 (102)		
Bank 1 (102)		
Bank 2 (0)		
Bank 3 (0)		
Bank 4 (0)		
Bank 5 (0)		
Bank 6 (0)		
Bank 7 (0)		
Bank 8 (0)		
DI Pank (0)		
PL Dank (0)		
Page 7 (0)		
Dage 9 (0)		
▶ Page 0 (0)		

# 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.

Destinations	
- EVS MXF	
D:\XF3	

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.

Destinations
Avid MXF OPAtom + AAF
An Santa Matina filia da anti anna ta maistria, a santa an
Backup - Avid MXF OPAtom + AAF

# 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 mext 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 mext 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.

💴 Select destination LSM ID-XT3 PGE					×
ADL XT3		LSMID	Name		
		111A			â
		111B			<b>-</b> '
O T XT3 PLAY		111C			
		111D			
		111E	PL_pge_171025a		
		111F	PM LS_pge_IPLink2.3-01		
		111G	PL_pge_171025a		
	$\odot$	111H			
	$\odot$	1111			
	$\bigcirc$	111J			
	$\odot$	111K			
	$\odot$	111L			
		112A	EVS111A		
	$\odot$	112B			
	$\odot$	112C			
	$\odot$	112D			-
				Any Location Ok Cane	:el

- 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.

Supermotion clips

All frames: supermotion speed / no audio

Real time: real time speed / with audio

#### 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:

Add metadata	
From EVS metadata profile	ł
Edit	Lange .
From legany sestion metanlata	r



 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.:

EVS XML Metadata	<b>—</b>
Current profile profil	e with one UF of each type 🔻 Import
Ad Sensitivity	Normal 💌
ApprovedBy	
date	Select a date 15 Now
Day Number	0
DueTime	::: Now
sds memo	
	Cancel Ok

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

#### 2. Click **Browse**.

The following window opens:

🕶 Open				×
Strategy - Strategy	iles	<ul> <li>✓ ✓</li> <li>Search</li> </ul>	XML metadata profi	les 🔎
Organize 🔻 New folder			≡ - 1	0
Documents Name	Date modified	Туре	Size	
Music     Pictures     Pictures	12/Jun/2018 1:51	XML Document	2 KB	
Videos	A granner	and we are		
	÷		÷	
ani rilê.				
Bonjour -				
File name:		▼ xml file (	*.xml)	-
		Ope	en Canc	1
				at

- 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.

EVS XML Metadata		×
Current profile	orofile with one UF of each type 🔻	Import
Ad Sensitivity	Normal	Ţ
ApprovedBy		
date	Select a date 15 Now	
Day Number	0	
DueTime	:: Now	
sds memo		
	Cancel Ok	

- 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.

<b>E</b> Legacy Session Met	adata	×
Date	4/Jul/2018 15	Now
Time	13 : 59 : 55	
Name		
Sport		
Competition		
Competition Level	_	
Location		
Team A		
Team B		
Can	cel Ok	

- 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

🗹 Limit to short-in / short-out	
🗹 With guardbands of	1
seconds	

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.

Filters	
Pref Cam:	• =
From:	Select a date 15 hh : mm : ss × Now
То:	Select a date 15 hh : mm : ss × Now
Camera:	A B C D E F G H I J K L
Rating:	• • • • • • • • • • • • • • • • • • • •
Archive:	Not archived Marked for archive (Alt+Z)
Keywords:	Keywords
Filters logical re	lation
AND : Clips	matching ALL filters will be archived
OR : Clips m	atching ANY of the filters will be archived

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 15 next to the From [date] field.

A calendar is displayed.

•		Jul	y, 20	14		►	
Su	Mo	Tu	We	Th	Fr	Sa	
29		1	2	3	4	5	
6	7	8	9	10	11	12	
13	14	15	16	17	18	19	
20	21	22	23	24	25	26	
27	28	29	30	31			

2. Select a date.



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

hh:mm:ss × Now

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 Now to load the current server time.



# 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.

(	Α	В	С	D	E	F
Camera:	G	н	Ι	J	к	L

# 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.

ŵŵ

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.

Keywords				
TVG1-120 - SAMPL	.E.KWD 🔻 Upload k	eyword grid to a serv	/er	
			_	
Page1 Page2				
action1	playerA1	playerB1		
action2	playerA2	playerB2		
action3	playerA3	playerB3		
action4	playerA4	playerB4		
action5	playerA5	playerB5		
action6	playerA6	playerB6		
And the second second	,elsuneA7	and a planting of	and the second	
action15	player	playerB15	h-to-bar	
action16	playerA16	playerB16		
action17	playerA17	playerB17		
action18	playerA18	playerB18		
action19	playerA19	playerB19		
action20	playerA20	playerB20		

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:

xF Keywords Import		<b>X</b>
Upload keyword	s from file:	
		Browse
	Cancel	Import

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 *Mathematical Content of Containing*, 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** *Link*, XFile3 archives the clips containing

Camera A, or Rating ar 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 I at the beginning of a rule line to expand the jobs list for the rule, or I to collapse it.

Rules	Source	Templat	te Name	Destination	n M	letadata	From	То	Pref Cam	Cam	nera	Rating	Archive		Keywords	Logical Relation	Actions	Status	
																			-
⊿ Rule 7			OP1a SMPTE	\\XFA2425	50\AV files												🔳 🛍 🖊	3 completed jobs / 22 matching jobs	
			Clip Name		Codec	Destination	Remaining		Speed	Status	s Actions			Comments					
	XT3 PGE	618B F				0 \\XFA242560\AV files	00:03:3	3	0.61x		X Pro								^
	XT3 PGE	618A F	PM LS_pge_IF			0 \\XFA242560\AV files	00:19:13	2			X Pro								
	XT3 PGE	619C F				\\XFA242560\AV files	00:00:01	0	0.00x		× Pro	ocess AS/	AP C						
	XT3 PGE	617K F	PM LS_pge_IF	PLink2.3-00		\\XFA242560\AV files	00:00:00	0		С	× Pro	ocess AS/	AP C						
	XT3 PGE	610H F	PM LS_pge_1	.60308a-01		\\XFA242560\AV files	0:00:00	0	0.00x	0	X Pro	ocess AS/	AP C	_					

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 <u>Full Package mode</u>, 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		C	The job has been sent to Xsquare and is scheduled to be processed.



Status	Job Status Color Code	Job Status Icon	Meaning
Running		0	The job is running.
Canceled		8	User has canceled the job.
Failed		0	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.

	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.				
NEW !	HDR Profile	High Dynamic Range profile of the file.				
NEW !	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.				

#### **Job Columns Description**

# 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.



#### NEW !

### 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.

K-FILE 3 🕓 Auto Archive 🔹 Arc	hive 🐁 Auto Restore 🕂 Restore 🗏 Streaming	ID Media Manager Monitoring	Templates Manager 🗘 🛈 🗮 🗸
Sources I Urselect All	Templates	Destinations	Filters
•         •	* Jorden 2     *	Add cross Set1     Concerning and concerning a	Image: Construction of the Co
Role 1 XT3 PGE - Avid MXF OPAtom S:(AV		And D S completed jobs / 8 matching jobs	
		And 🔳 🏦 🖍 📳 1 completed jobs / 1 matching jobs	

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

### NEW! 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	То	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 sopped 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.

Browse For Folder
📃 Desktop
Dibraries
🖻 🗟 NeXT 🔤
🔺 🌉 Computer
🕨 🚢 Local Disk (C:)
▷ 👝 New Volume (D:)
▷ 👝 New Volume (E:)
DVD Drive (F:)
▷ 坖 s\$ (\\192.168.173.145) (Z:)
> Superior Network
Control Panel
Make New Folder OK Cancel

- 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.

Customize export autoarchiveRule\_2014-10-20 16.35.28.xml



# 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.

M Auto Archive Rule Import	×						
Import auto archive rule from file:							
	Browse						
Cancel	Import						

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

🗙 Open						×
🔾 🗸 🖉 🗸 Computer	<b>-</b> ↓	Search Itest		٩		
Organize 🔻 New folder			•	0		
🔆 Favorites	Name	Date modified	Туре	Size		
Nesktop	Customize export autoarchiveRule_2014	10/20/2014 4:35 PM	XML Document	2 KB		
🚺 Downloads 🔚 Recent Places						
<ul> <li>□ Libraries</li> <li>□ Documents</li> <li>□ Music</li> <li>□ Pictures</li> <li>□ Videos</li> </ul>						
🕵 Computer 🗣 Network						
File <u>n</u> an	ne: Customize export autoarchiveRule_2014-10-2	0 16.35.28.xml	•	xml file (*.xml) <u>O</u> pen	Cancel	•

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

Auto Archive Rule Import		<b>—</b>						
Import auto archive rule from file:								
D:\1test\Customize export autoarchiveRu	le_2014-10-20	Browse						
	Cancel	Import						

# 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:

💴 Select destination LSM ID-XT3 PGE								×
ADL XT3	LS	SMID	Name					
	11	.11A						â
TATS BBO	11	.11B						<b>-</b> '
TT3 PLAY	11	.11C						
	11	.11D						
	11	.11E	PL_pge_171025a					
	11	.11F	PM LS_pge_IPLink2.3-01					
	11	.11G	PL_pge_171025a					
	O 11	.11H						
	0 11	.111						
	O 11	.11J						
	0 11	.11K						
	O 11	.11L						
	11	.12A	EVS111A					
	O 11	.12B						
	0 11	.12C						
	0 11	.12D			_	_	_	-
				Any Location	1	Ok	Cano	:el

- 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

Sources Unselect All	٩		_			_	_	_		19	items 0	tem sele	cted
▶ ■ <b>TVG1-124</b> (60)		ServerName	LSMID	Name	TCIN	Duration	Keyword1	Keyword2	Keyword3	Keyword4	Keyword5	Rating	
TVG1-120 (10)	٩												
<ul> <li>Page 1 (177)</li> </ul>		170xx*	211A	REC2	11-20-2014 22:43:59;28	00:00:10;00						0	î
<ul> <li>Page 2 (5)</li> <li>Page 3 (25)</li> </ul>		170xx*	211B	REC2	11-20-2014 22:43:59;28	00:00:10;00						0	11
<ul> <li>Page 4 (2)</li> <li>Page 5 (12)</li> </ul>		170xx*		REC2	11-20-2014 22:43:59;28	00:00:10;00							
✓ Fage 5 (14)		170xx*	211D	REC2	11-20-2014 22:43:59;28	00:00:10;00						0	
☑ Bank 1 (2) ☑ Bank 2 (0)		170xx*	212A		11-12-2014 16:50:24;09	00:00:02;21							
<ul> <li>✓ Bank 3 (0)</li> <li>✓ Bank 4 (12)</li> </ul>		170xx*	611B	\$c5XpsEV	08-21-2014 14:57:48;08	00:00:05;00						0	
Bank 5 (0)		170xx*	611D	111111111	01-07-2015 23:39:38;00	00:01:08;23							
Bank 6 ()		170xx*	644A	DouDiZhu	10-20-2014 21:28:39;00	00:00:10;00						0	
✓ Bank 8 (0) ✓ Bank 9 (0)		170xx*	644B	DouDiZhu	10-20-2014 21:28:29;00	00:00:10;00							
✓ PL Bank (0)		170xx*	644C	DouDiZhu	10-20-2014 21:28:19;00	00:00:10;00						0	Ч
<ul> <li>Page 8 (1)</li> </ul>		170xx*	644D	DouDiZhu	10-20-2014 17:11:39;00	00:00:10;00							
<ul> <li>Page 9 (0)</li> <li>Page 0 (0)</li> </ul>		170xx*	644E	DouDiZhu	10-20-2014 21:27:59;00	00:00:09;28						0	
<ul> <li>TVG2-110 (5400)</li> <li>TVNM 125 (1167)</li> </ul>		170xx*	644F	DouDiZhu	10-20-2014 21:27:49;00	00:00:10;00							
(1107)		170xx*	645A	DouDiZhu	10-20-2014 21:27:39;00	00:00:10;00						0	~

## **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							
TT3 PGE	611H cl_pge_150	not archived						
🔲 XT3 PGE	611J PM LS_pge_1	waiting for archive						
XT3 PGE	611B cl_pge_1509	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.

	Server Name	LSMID	Name	TC IN	Duration	Keyword 1	Keyword 2	Keywo
٩								
	XT3 PGE	PL 10	PL_pge_151006a		00:01:01:21			
	XT3 PGE	PL 15	PL_pge_151112a		00:04:11:01			
	XT3 PGE	PL 16	PL_pge_151118a		N/A			
	XT3 PGE	PL 17	PL_pge_151118a		00:00:53:11			
	XT3 PGE	PL 18	PL_pge_160113a		00:01:16:19			

# 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.

EVS Xviewer				_ 0 💌
File Audio Video Help	Clip Info		Metadata	
00:01:19:12	File File Name: Path: File Format Video Std: Ordine: Video Std: Frame Rate: Scan Type: Aspect Ratio: Bitrate: Depth: Type: Codec: Tracka: Tracka:	Participanti and a second seco	Clip Clip Name: LumlD: UmlD: VarlD: Session Time: Date: Name: Competition Level: Location: Level: Location: Team A: Team B: XT Data Rating: Keywords:	el.pge.180405a-00 614G IRUezt=s IRUezt=s Second half
	In LTC:	2016-04-05 22:51:11:09		
22:51:16:09 00:00:12:10	Short In LTC:	2016-04-05 22:51:16:09		
	Out LTC:	2016-04-05 22:51:23:19 2016-04-05 22:51:28:19		
	In User:	2016-04-05 12:02:34:09		
ftp://evs:evsl@10.129.59.23/Seg/000614G.CLP 00:00:17:10 +000% PAL 16/9 🔀 37% 4				

#### **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.

EVS Xviewer 15.38					
File Audio Video Help	Clip Info			Metadata	
	File	i		Clip	
The stress proves a second	File Name:	evs-cl_pge_150924c-1	н	Clip Name:	cl_pge_150924c
	Path:	EVS-cl_pge_150924c-1	н	LsmID:	111A
	File Format	MXF OP1A (Standard	н	UmID:	,Xi)oNJ;
	Video		Ш	VarID:	,Xi)oNJ;
The second state of the se	Codec:	AVC Intra 100	н	Session	
	Definition:	HD 1080	н	Time:	
	Video Std:	PAL 50Hz	н	Date:	
00,0045,00	Frame Rate:	25 fps	н	Name:	
TARABARARARARARARARARARARARARARARARARARA	Scan Type:	Interlaced	н	Sport:	
A 100 0000 A 100 000 000 000 000 000 000	Aspect Ratio:	16:9	2	Competition:	:
A A A A A A A A A A A A A A A A A A A	Bitrate:	112 Mbps	٩	Level:	
	Depth:	10 bits	ы	Location:	
	Туре:		н	Team A:	
	Audio		Ш	Team B:	
	Codec:	Pcm	н	XT Data	
	Tracks:	8	Ш	Rating:	$\star$
	Timecode		1	Keywords:	dancers on s
	Primary:				
	In LTC:	2015-09-23 20:31:34:01			
12:03:35:17 00:00:10:08	Short In LTC:				
	Short Out LTC:	2015-09-23 20:31:44:09			
	Out LTC:	2015-09-23 20:31:49:09			
	In User:	2015-09-23 12:03:30:17			
s\nearline xf\scanfolder.done\evs-cl_pge_150924c-11 00:00:15:08 +000% PAL 16/9 🔀 37% 🚸					Edit

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.

D	estinations	
	- EVS MXF	
	D:\XF3	

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 mext to the **Destination** field.
- 2. Browse to the Destination folder to select.
- 3. Click OK.

Destinations			
- EVS MXF			
D:\XF3			

#### 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.

xF Select destination LSM ID-XT3 PGE								
🔘 📼 ADL XT3		LSMID	Name					
		111A						
<ul> <li>TATS BBO</li> <li>TATS PGE</li> </ul>		111B						
🔘 📼 XT3 PLAY		111C						
		111D						
		111E	PL_pge_171025a					
		111F	PM LS_pge_IPLink2.3-01					
		111G	PL_pge_171025a					
	0	111H						
	0	1111						
	0	111)						
	0	111K						
	0	111L						
		112A	EVS111A					
	0	112B						
	0	112C						
	0	112D						
				Any Location	Ok	Car	icel	

- 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

## **Overview of the Jobs Pane**

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.

	Name	Codec	Destination	Metadata	Remaining Time	Speed	Status	Actions	Comments	
XT3 PGE 610F	cl_pge_160330a	AVC-Intra 100	\\XFA242560\AV files		00:00:01			X Process ASAP		
	cl_pge_160330b				00:00:00			X Process ASAP C		
XT3 PGE 614F	cl_pge_160404a		\\XFA242560\AV files		00:00:00		6	X Process ASAP C		

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		C	The job has been sent to Xsquare and is scheduled to be processed.
Running		¢	The job is running.
Canceled		8	User has canceled the job.
Failed		0	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.							

## NEW !



## 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.

#### **NEW!** 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,

- 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
- 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.

- **NEW !** 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.

Sources
🔘 🚞 Desktop
🕨 🔘 🚍 System (C:\)
▶ 🔘 🚍 A234860A (G:\)
🔺 🔘 🚍 Data (S:\)
🔘 🚞 Avid MediaFiles
▲ ○ 🚞 xfly_streamer
🔘 🚞 AV_files

## 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.

Destinations
XS128080 (89)
XS132000 (8)
🔺 🔲 📼 XT3 (106)
Page 1 (32)
Page 2 (62)
Page 3 (0)
<b>Bank 1</b> (0)
<b>Bank 2</b> (0)
<b>Bank 3</b> (0)
<b>Bank 4</b> (0)
<b>Bank 5</b> (0)
O Bank 6 (0)
🔘 Bank 7 (0)
Bank 8 (0)
🔘 Bank 9 (0)
Page 4 (0)
Page 5 (0)
Page 6 (12)
Page 7 (0)
Page 8 (0)
• • Page 9 (0)
• O Page 0 (0)

## 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.

Camera:	Α	В	С	D	E	F
	G	н	Ι	J	к	L

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

Rules	Source	Destination	Camera	Actio	ns	Status		Comments	
∡ Rule 39	s:\xfly_streamer\av_fi	iles XT3 311[Al	B] A,B		<b>b</b>	🖉 0 comp	eleted jobs / 10 matching	jobs	
	Source	Destination	Remaining Time	Speed	Status	Transcoded	Actions	Comments	
	s:\xfly_streamer\a			0.00x	2		× Process ASAP	Created XSquare job ok.	
	s:\xfly_streamer\a			0.00x	<b>2</b>		× Process ASAP	Created XSquare job ok.	
	s:\xfly_streamer\a			0.00x	2		× Process ASAP	Created XSquare job ok.	
	s:\xfly_streamer\a			0.00x	0		× Process ASAP	Created XSquare job ok.	
	s:\xfly_streamer\a			0.00x	2		X Process ASAP	Created XSquare job ok.	
	s:\xfly_streamer\a			0.00x	0		Process ASAP	Created XSquare job ok.	

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		C	The job has been sent to Xsquare and is scheduled to be processed.
Running		¢	The job is running.
Canceled		8	User has canceled the job.
Failed		0	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.

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	<ul> <li>Transcoded status of the restored clip.</li> <li>With icon : the clip is transcoded.</li> <li>Without the icon: the clip is not transcoded.</li> </ul>							
Actions	Buttons for the management of the job. See section "Managing Jobs" on page 147.							
Comments	Information from Xsquare and XFile3.							

#### **Job Columns Description**

## 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.



### NEW !

## 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.

K-FILE 3 🚯 Auto Archive 🔹 Ard			Templates Manager 🗴 🗇 🗮 🗸 🗉
Sources E Urselect All	Templates	Destinations	Filters
*         *		Held Cars Jan 11     Held	Park Care     *       Park     *       Park
			Update rule Cancel
		And 🕨 👔 🖉 🔄 S completed jobs / 8 matching jobs	
		And 🔳 🛣 🖉 📳 1 completed jobs / 1 matching jobs	

- 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:

							(	2		3
🖈 FILE 3 🚯 Auto A	Archive	🖡 Archive 🐴	Auto Res	tore 🔶 Restore 🛢	Streaming	00 Media	Manager Monitoring			0 © =v5
Sources Unselect	all Q				Items: 159		Destinations	_		Options
Avid Media Files     Destruiton Targets     Edit Import     Terrentolit     Terretolit     Terretolit		Bit with the second s	<ul> <li>ISMID</li> <li>6136</li> <li>6134</li> <li>6144</li> <li>6144</li> <li>6144</li> <li>6144</li> <li>6144</li> <li>6154</li> <li>6180</li> <li>6192</li> <li>6189</li> <li>6170</li> <li>6102</li> <li>6102</li> <li>6102</li> <li>6104</li> <li>6104</li> <li>6104</li> </ul>	Name d.pgs.100259-01 d.pgs.100259-01 d.pgs.100259-01 d.pgs.100059-01 d.pgs.100059-01 d.pgs.100059-01 PM (5.pgs.100059-01 PM (5.pgs.100059-01 PM (5.pgs.100059-01 PM (5.pgs.100029-01 PM (5.pgs.PInit2.30) TEST 3	Code: 4.4C-bits 100 4.4C-bits 100	Wra M00 M00 M00 M00 M00 M00 M00 M00 M00 M0	<ul> <li>■ (an) Mark (b)</li> <li>■</li></ul>	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Name         Name           Mail:Spp::30006:01         -           Mail:Spp::30006:01         -           Mail:Spp::30002:01         -           Mail:Spp:30002:01         -	Copy type: Same tocation Camera: G H I J K L Camera: G H I J K L Limit to share in / borto cat Mused barris of [] seconds Keep same CODEC as the Video source
Source Silvearline XT&VS-PM LS_pge, Silvearline XT&VS-PM LS_pge,	_160606I	 Destination 19J.md XT3 PGE 211 17Lmml XT3 PGE 211	Clip Name B PM LS_pgr	Remaining Time : 1306066 01 000026 2 JP(ink23-01 000054 2	Speed Status Transc 137x C	oded Action	ns Comments Process ASAP C Process ASAP C			Restore



## 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

Sources Unse	elect all	۹					34/3	4 items 0 it	em selected
System (C:\)			SDTI Nb	Camera Label	LSMID	Name	Keyword 1	Keyword 2	Keywon
<ul> <li>A234860A (G:\)</li> <li>Data (S:\)</li> </ul>		q							
Avid MediaFile	s		1		111A	Test	Anonymous	Boston, MA	Burst-X
<ul> <li>✓ ■ ■ xfly_streamer</li> <li>✓ ■ AV_files</li> </ul>			1		112A	Test2	Anonymous	Boston, MA	Burst-X
			1		111A	Test	Anonymous	Boston, MA	Burst-X
(1)			1		111A	1155-14-DVCPROHD			
			1		111A	012411-7_TL-DVCPROHD	/		1
			1		111A	1155-14-DVCPROHD		ے رق	
Shortcut Folder	×		1		111A	012611-20			
🗹 clip resource			1		111A	1155-10-DVCPROHD			
MediaTool			1		111A	1155-1-DVCPROHD			
			1		111A	012411-7_TL-DVCPROHD			
(2)			1		111A	012611-20			
			1		111A	012411-7_TL-DVCPROHD			
			1		111A	1155-10-DVCPROHD			
			1		111.4	1102 27 DUCDDOUD			· · ·

## **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: 5400+/56868 items. 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.

	Clip Restore Status		
1	REC1	611C cl_pge_	not restored
1		111A 012411-	waiting for restore
1	REC1	611G cl_pge_	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.

	SDTI Nb	Camera Label	LSMID	Name 🔻	Keyword 1	Keyword 2	Keyword 3	к	
ď									
	1	REC1	111A	cl_pge_150924i-00					
	1	REC1	611A	cl_pge_150924i-00					
	1	REC1	<b>61</b> 1G	cl_pge_150924i-00					
	1	REC1	611A	cl_pge_150924h					
	1	REC1	111A	cl_pge_150924h	_				
						1-10 Ann	11-11-12		Щ

## 7.3.3. Creating Shortcuts to Source Folders

## Introduction

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

Shortcut Folder	×
🗹 clip resource	
MediaTool	
	and have

## 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.





## 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

EVS Xviewer 3.5.00				
File Audio Video Help	Clip Info		Metadata	
	File File Name: Path: File Format Video Codec:	evs-cl_pge_150924c-1 EVS-cl_pge_150924c-1 MXF OP1A (Standard AVC Intra 100	Clip Clip Name: LsmID: UmID: VarID: Session	cl_pge_150924c 111A ,XijoNJ; ,XijoNJ;
00:02:15:20	Detinition: Video Std: Frame Rate: Scan Type: Aspect Ratio: Bitrate: Depth: Type: Audio Codec:	HD 1080 PAL 50Hz 25 fps Interfaced 169 112 Mbps 10 bits Prm	Irme: Date: Name: Sport: Competition Level: Location: Team A: Team B: XT Data	
	Tracks: Timecode Primary: In LTC: Short In LTC: Short Out LTC: Out LTC: In User:	8 User 2015-09-23 20:31:34:01 2015-09-23 20:31:34:01 2015-09-23 20:31:44:09 2015-09-23 20:31:44:09 2015-09-23 12:03:30:17	Rating: Keywords:	★★★ dancers on s
s:\nearline xf\scanfolder.done\evs-cl_pge_150924c-11 00:00:15:08 +000% PAL 16/9 🔀 37% 🚸				Edit

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

Destinations								
•  MRW (3)		LSMID	Name					
<ul> <li>Image: XT ADL (88)</li> <li>Image: XT3 PGE (185)</li> </ul>		311A	cl_pge_150924i-00		Î			
<ul> <li>Page 1 (13)</li> <li>Page 2 (64)</li> </ul>		311B	cl_pge_150924i-02					
• • Page 3 (6)		311C	cl_pge_150924i-01					
<ul> <li>Page 4 (0)</li> <li>Page 5 (0)</li> </ul>		311D	cl_pge_150924i-01					
<ul> <li>Page 6 (102)</li> <li>Page 7 (0)</li> </ul>		311E	cl_pge_150924i-01					
▶ ○ Page 8 (0)		311F	cl_pge_150924i-00					
<ul> <li>Page 9 (0)</li> <li>Bank 1 (0)</li> </ul>		311G	PM LS_pge_160111a-02					
Bank 2 (0) Bank 3 (0)		311H	cl_pge_150924i-00					
Bank 4 (0)	0	311I						
O Bank 5 (0) O Bank 6 (0)	0	311J						
Bank 7 (0) Bank 8 (0)	0	311K						
Bank 9 (0)	0	311L						
Orage 0 (0)	0	312A						
	0	312B						
	0	3120			-			

## **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
O 311J	The position is available. No clip has been restored in it yet.
311H cl_pge_150924i-00	The position is occupied. A clip is waiting or scheduled to be restored in this position.
311B cl_pge_150924i-02	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.

		LSMID	Name	
		311A	cl_pge_150924i-00	Î
		311B	cl_pge_150924i-02	
		311C	cl_pge_150924i-01	
		311D	cl_pge_150924i-01	
Ι,		311E	cl.pge_150924i-01	ال حصح
	nd	h	A second s	
	0	311K		
	0	311L		
		312A		
	0	312B		

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

## Сору Туре

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

By default, Continuous is selected.

Сору Туре	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 shortin/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.

Source	Destination	Clip Name	Remaining Time	Speed	Status	Transcoded	Actions	Comments	
S:\Nearline XF\EVS-PM LS_pge_160606b-01-619J.mxf	XT3 PGE 211B	PM LS_pge_160606b-01	00:00:16	1.37x			X Process ASAP		
S:\Nearline XF\EVS-PM LS_pge_IPLink2.3-01-617L.mxf	XT3 PGE 211D	PM LS_pge_IPLink2.3-01	00:00:54				× Process ASAP C		

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		G	The job has been sent to Xsquare and is scheduled to be processed.
Running		¢	The job is running.
Canceled		8	User has canceled the job.
Failed		0	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	<ul> <li>Transcoded status of the restored clip.</li> <li>With icon : the clip is transcoded.</li> <li>Without the icon: the clip is not transcoded.</li> </ul>
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 111.

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" 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 94.



#### 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 of the Storage Device and Settings pane, set a format string for the name of the recorded stream files.

See section "Setting the Auto Filename" 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 a Single File" on page 1.

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 1.

## 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.

Storage:	34 XFA242560 -	
	3 XFA242560	
	3 IPDA260770	

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**

TIP



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.

\\XFA242560\XFILE3bb

Select the path by clicking the use 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:

Storage:	34 XFA242560 -	Destinations:	\XFA242560\XFILE3	-	Templates: Mar XF 2 Dest - Avid OPAtom + AAF	Edit Auto Filename: EVS-	%CAMLBL %CAM %BDATE %TCIN	Edit	+
			6.7 TB/7.6 TB						
	💅 IPDA260770 🔫		\JPDA260770\XFILE3	-					
			65.8 GB/186.2 GB						

The auto filename format string is applied to all of the destinations. See section "Setting the Auto Filename" on page 92.

## 8.5. Setting the Auto Filename

## Introduction

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



A prefix can be defined so all the name of the recorded files will begin with the same prefix until users change it. A suffix can be set too.

The filename is user-defined and can be modified as described below. It is made up of one or several parameters.

The filename format string is memorized between sessions.

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

EVS- %CAMLBL %CAM %BDATE %TCIN

When several destinations have been set in the selected template, the filename format string is 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 Filename Format String

1. Click the **Edit** button after the format string.

The AutoNaming window opens:

💴 Auto Naming			×
Prefix: EVS-	Suffix:		
Backup Filename Format String:	%CAMLBL %CAM %BDATE %TCIN		
Available Items:	%XTIP (XT IP)	-	Append
Reset	ОК		Cancel
			_

- 2. If required, modify the prefix by direct entry in the **Prefix** field.
- 3. (optional) Enter a suffix in the **Suffix** field.
- 4. In the **Backup Filename Format String** field, delete the part of the string you do not want to keep in the filename, if any.
- 5. To add information, select an item from the Available Items drop-down list:

Available Items:	%XTIP (XT IP) 🔻
	%XTIP (XT IP)
	%CAM (Camera)
	%CAMLBL (Camera Label)
	%UMID (UmID)
	%IDMAT (Material ID)
	%VARID (VarID)
	%TCIN (TimeCode IN)
	%BDATE (Backup Date)
	%BYEAR (Backup Year)
	%BMONTH (Backup Month)

- 6. Click the Append button to add the selected item at the end of the field.
- 7. (optional) Modify the position of the items in the field with the cut/paste commands (CTRL + X, CTRL + V).
- 8. (optional) Click the **Reset** button to restore the default filename.
- 9. 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

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 94.

### **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:

🕨 🔲 📼 XT3 PGE

The Server TC field is updated.

# 8.7. Recording Streams

# 8.7.1. Introduction

Users can choose to record each stream in a single file or to segment each stream in several files with, or without, overlap. A file cannot be longer than a predefined maximum duration.

The recording of streams can start at different moments in time: immediately, in the past, provided that the corresponding media is still available, or in the future.

The streams will be recorded from all the recorder channels selected in the Servers list and present in the Channels area.

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 Unsegmented 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 a Single File" on page 101.
- In the Segmented Recording mode, it represents the TC IN value of the segment being recorded. See section "Recording a Stream in Multiple Segments" on page 103.

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 In:	02:45:00:00

### TC OUT Field (3)

This field is editable.

- It is used in the Unsegmented 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 a Single File" on page 101.
- In the Segmented Recording mode, it represents the TC OUT value of the segment being recorded. See section "Recording a Stream in Multiple Segments" on page 103.

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 displayed in this field.

It is disabled when a recording is in progress.

It allows to clear the **TC IN** and **TC OUT** fields and to return to the current timecode.

### Duration Field (5)

This read-only field appears next to the **TC OUT** field in one of the following situations:

- a stream is being recorded
- a stream is scheduled in the future

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

#### Segments Counter (6)

In the Segmented Recording mode, this represents the segment number being recorded / the total number of segments.

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

### **Recording Buttons**

Button	Button Display	Meaning	Action
Record Button	•	No recording is on-going.	<ul> <li>If no TC IN value has been defined or if it is set in the past, click this button to instantly start the backup of the record trains from all the selected channels.</li> <li>If the TC IN value has been set in the future, click this button to schedule the recording of the streams from all the selected channels.</li> </ul>
	•	The recording is in progress.	No action
	ð	The TC IN value has been set in the future and the <b>Record</b> button has been clicked but the streams recording is not yet on-going.	No action
Stop Button		No recording is on-going.	No action
		The recording is in progress.	Stops the recording of the streams from all the selected channels.



Button	Button Display	Meaning	Action			
Cancel Schedule	×	The TC IN value has been set in the future and the <b>Record</b> button has been clicked but the streams recording is not yet on-going.	Cancels the scheduled recording.			
Stop Now Button	×	The <b>Stop Now</b> button is available as soon as the recording of a stream starts.	Stops immediately all the recordings. This may result in files with different durations. Users will then have the possibility to delete the files already recorded or to keep them.			

## 8.7.3. Recording a Stream in a Single File

### How to Record Streams in the Past

To record streams from a past timecode,

- 1. Enter a value in the **Max Duration** field. A file duration could not exceed the maximum duration.
- 2. Enter a start timecode value in the **TC IN** field, which is in the past. The corresponding A/V material should still be available.

The E/E button is displayed next to the TC IN field.

3. (optional) Enter a stop timecode value in the TC OUT field.

The file duration is displayed next to the **TC OUT** field. It is the time between the TC IN and the TC OUT. It cannot be longer than the maximum duration set in the **Max Duration** field (set in minutes).



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

5. Click the Record button



Files immediately start to be recorded.



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

XT3 PGE 251	20 B-REC2						
Recorded: 00:02:01 Remaining: 00:07:59 Current: 01:02:01:06							
EVS-REC2 B 07-NOV-2017 01h00m00s00							
20% (3.90x)							

### How to Schedule the Recording of Streams

To schedule the recording of streams,

- 1. Enter a value in the **Max Duration** field. A file duration could not exceed the maximum duration.
- 2. Enter a start timecode value in the TC IN field, which is in the future.

The E/E button is displayed and a blue line surrounds the TC IN field:

TC In: 02:45:00:00

3. (optional) Enter a stop timecode value in the TC OUT field.

The file duration is displayed next to the **TC OUT** field. It is the time between the TC IN and the TC OUT. It cannot be longer than the maximum duration set in the **Max Duration** field.



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



5. Click the **Record** button

The **Record** button becomes a **Schedule** button **and the Stop** button becomes

0



The file duration is displayed next to the **TC OUT** field. If no TC OUT value has been set, this duration corresponds to the maximum duration.



(optional) To cancel the scheduled job before the recording starts, click the Cancel 6.

х

. A message warns the users who will have to confirm Schedule button cancellation.

As soon as the recording starts, the Schedule button turns into a red Record button



and the Cancel Schedule button turns into a blue Stop button

#### **Recording a Stream in Multiple Segments** 8.7.4.

### How to Record Segments of Streams in the Past

To record segment files of streams from a past timecode,

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



3. Enter the duration of the segment files in the Chunk of field (hh:mm:ss).

A file cannot be longer than the maximum duration set in the Max Duration field.

- 4. (optional) Set an overlap option, so the segment files will overlap for the defined duration:
  - a. Tick the checkbox before Overlap.
  - b. Enter the duration of the overlap (mm:ss).
- 5. Select 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.

Enter the start time in the From [time] field (hh:mm:ss;ff) or click the 10 button to 6. grab the current timecode.

By default, the timecode when the Segmentation tab has been opened is displayed.

The corresponding A/V material should still be available if you set time in the past.

7. Select 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. Enter 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.

Server TC: 01:30:26:16
TC In:::
TC Out: : : :
• • ×
Max. Duration Segmentation
Chunk of: 00 : 10 : 00 hh:mm:ss
From: 8/Nov/2017 15
01:00:00 <b>E/E</b>
To: 8/Nov/2017 15
To: 8/Nov/2017 15 06:00:00:00 E/E

9. Click the Record button

All selections and settings are disabled during the recording.

A file immediately starts to be recorded to each destination.





The **Stop** button turns blue and is available to stop the recording.

The Stop Now button is displayed.



During the recording of the first segment:

Server TC:	01:30:45:06
TC In:	01:00:00:00
TC Out:	01:10:00:00
	00:10:00:00 0/30
	• • ×
Max. Durat	tion Segmentation
Chunk of:	00 : 10 : 00 hh:mm:ss
🖌 Overlap:	01 : 00 mm:ss
From: 8/No	v/2017 <b>15</b>
01:0	00:00:00 E/E
To: 8/No	w/2017 15
06:0	00:00:00 E/E

- The TC IN value corresponds to the From [time] field.
- The TC OUT value corresponds to the TC IN value plus the chunk duration.
- The segment duration corresponds to the chunk duration.

 Server TC:
 01:36:45:12

 TC In:
 01:19:00:00

 TC Out:
 01:30:00:00

 00:11:00:00 2/30
 00:11:00:00 2/30

 Max. Duration
 Segmentation

 Max. Duration
 Segmentation

 Chunk of:
 00:10:00 hh:mm:ss

 From:
 8/Nov/2017
 Image: Comparison on the second of the second

During the recording of the next segment(s):

- The segment duration corresponds to the chunk duration plus the overlap duration.
- The TC IN value corresponds to the TC OUT value of the previous segment minus the overlap duration.
- The TC OUT value corresponds to the TC IN value plus the chunk duration.

# How to Schedule the Recording of Segments of Streams

To schedule the recording of segment files of streams, proceed as follows:

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

Max.	Duration	Segmentation
Chunk	of: 00 : 10	: 00 hh:mm:ss
V Ov	erlap: 01:0	jo mm:ss
From:	8/Nov/2017	15
	01:42:14:	: 19 <b>E/E</b>
To:	8/Nov/2017	15
	06:42:14:	: 19 <b>E/E</b>

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

You can click the 155 button to display a calendar and select a date.

6. Enter the start time in the **From [time]** field (hh:mm:ss;ff) or click the **E**/**E** button to grab the current timecode.

By default, the timecode when the Segmentation tab has been opened is displayed.

7. Select the end date for the last segment file in the **To [date]** field. By default, the current date is displayed.

You can click the 155 button to display a calendar and select a date.



8. Enter 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.

			_
Server TC:	01:4	7:55:	00
TC In:	: :	:	
TC Out:	: :	:	
			×
Max. Durat	tion	Segmen	tation
Max. Durat	tion 00 : 10 : 0	Segmen	<b>tation</b> n:ss
Max. Durat Chunk of: ( Ø Overlap:	tion 00 : 10 : 0 01 : 00	Segmen 10 hh:mr mm:ss	<b>tation</b> n:ss
Max. Durat Chunk of: ( Chunk of: ( Chunk of: () Max. Durat	tion 00 : 10 : 0 01 : 00 w/2017	Segmen 10 hh:mr mm:ss	<b>tation</b> n:ss
Max. Durat Chunk of: 0 Chunk of: 0 Moverlap: From: 8/No 01 : 5	tion 00 : 10 : 0 01 : 00 w/2017 50 : 00 : 0	Segmen 10 hh:mr mm:ss 15 0 E/E	<b>tation</b> n:ss
Max. Durat Chunk of: 0 Chunk of: 0 Max. Durat Overlap: From: 8/No 01 : 5 To: 8/No	tion 00 : 10 : 0 01 : 00 w/2017 50 : 00 : 0 w/2017	Segmen 10 hh:mr mm:ss 15 0 E/E	<b>tation</b>

9. Click the **Record** button

The E/E button is displayed and a blue line surrounds the TC IN field:

The **Record** button becomes a **Schedule** button and the **Stop** button becomes

#### a Cancel Schedule button

The file duration is displayed next to the **TC OUT** field. If no TC OUT value has been set, this duration corresponds to the maximum duration.



10. (optional) To cancel the scheduled job before the recording starts, click the Cancel

Schedule button A message warns the users who will have to confirm cancellation.

As soon as the recording starts, the Schedule button turns into a red Record button



and the Cancel Schedule button turns into a blue Stop button



During the recording of the first segment:

Server TC:	01:50:05:06
TC In:	01:50:00:00
TC Out:	02:00:00:00
	00:10:00:00 <b>0/6</b>
	<b>•</b> • •
Max. Dura	tion Segmentation
Chunk of:	00 : 10 : 00 hh:mm:ss
🖌 Overlap:	01 : 00 mm:ss
From: 8/No	ov/2017 15
01:	50 : 00 : 00 E/E
To: 8/No	vv/2017 15
02 : 1	50:00:00 E/E

- The TC IN value corresponds to the From [time] field.
- The TC OUT value corresponds to the TC IN value plus the chunk duration.
- The segment duration corresponds to the chunk duration.

During the recording of the next segment(s):

Server TC:	02:09:35:01
TC In:	01:59:00:00
TC Out:	02:10:00:00
	00:11:00:00 1/6
	X     X
	tion Segmentation
Chunk of:	00 : 10 : 00 hh:mm:ss
🗹 Overlap:	01 : 00 mm:ss
From: 8/No	w/2017 15
01:	50:00:00 E/E
To: 8/No	vv/2017 <b>15</b>
02 : 5	50:00:00 E/E

- The segment duration corresponds to the chunk duration plus the overlap duration.
- The TC IN value corresponds to the TC OUT value of the previous segment minus the overlap duration.
- The TC OUT value corresponds to the TC IN value plus the chunk duration.

### 8.7.5. Stopping Stream Recording

When a file recording is on-going, it can be stopped in different ways.



The server timecode is grabbed and will be the TC OUT for all the recorded streams.

The backup files need to close properly. As there is a delay between the live feed and the recorded files, it can however take some time before the job is finalized. During this time, the message "Finalizing..." will be displayed in the status area.

Click the Stop Now button



This allows users to immediately stop the file recording. 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.

The following window is displayed:

💉 Message Box
The files recorded until now might have different durations. Are you sure you want to stop the recording(s) ?
Yes, keep the partial files Yes, delete the files Cancel

- Clicking Yes, keep the partial files stops the recording and saves the already recorded files with their defined auto filename. They can have different durations. Related metadata files are updated.
- Clicking Yes, delete the files stops the recording and delete all the related files.

# 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" 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



### 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: **List Player**.

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

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🖌 FILE 3 🚯 Auto Archive	Arc	:hive	🔥 Auto Re	store	🔹 Restore 🛛 🛢	Streaming	DD Med	dia Mar	anager Monitoring		Template Manager 🗘 ⑦ Ξ∨与	
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A242560B (H:\)		01	REC2	111A	cl_pge_160229e	AVC-Intra 100	MX			Y. Figure		
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7.5 TB/7.6 TB		01	REC2	611D	cl_pge_160301a	AVC-Intra 100	EV!			Martin Martin	NA DIA O AN	
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🕨 📄 🖿 XML_Target					cl_pge_160329c-00		MX		22:51:16:09		00:00:12:10	~~~
🕨 📰 XML_Thumb		01	REC2	614C	cl_pge_160329c-01		MX	4	E/E		10	<u> </u>
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L Asquare largets		01	REC4	614E	cl_pge_160329c-03		MX (		S:\Nearline XF\EVS-cl_pge_160405a-00-614G.mxf 00:00	0:17:10 +000%	PAL 16/9 🔀 0% 斗	-(4C)
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(2a)		01	REC1	614G	cl_pge_160405a-00	AVC-Intra 100	MX		File Name: EVS-cl_pge_160405a-00-614G.mxf	Clip Name: cl_pge_160405a-0	0	
		01	REC2	614H	cl.pge 160405a-01	AVC-Intra 100	MX		Path: S:\Nearline XF\EVS-cl_pge_160405a-00-	614G.mxf LsmlD: 614G		
_		01	REC3	614I	cl_pge_160405a-02	AVC-Intra 100	MX		File Format MXF OP1A (Standard SMPTE)	UmID: !iUez!=s		
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### 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.

(1)		2	3	5	2	1
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33.5 G8/80.0 G8	-Intra 100 MXF OP1A SMP1	TE 0 22:24:54:15 (	00.00:58:03	111E cl_pge_150924i-02	00:57:40:07 00:00:04:20	0 X R Dage 1 (11)
1.8 TB/1.8 TB	Intra 100 MXF OP1A SMP1	TE 0 22:24:54:15 0	00:00:58:03	111F cl_pge_150924i-02	00:57:40:07 00:00:04:20	0
💷 🚍 A242560B (H:\)	-Intra 100 EVS MXF 2MB	0 04:42:50:19 0	00.00.04:16	111C cl_pge_160229f	04:32:36:18 00:00:06:18	2 Page 3 (0)
1.8 TB/1.8 TB	Intra 100 MXF OP1A SMP1	TE 0 00:26:28:01 0	00:00:10:17	111D cl_pge_160301a	01:41:55:09 00:00:03:15	0
7.5 TB/7.6 TB	Intra 100 EVS MXF 2MB	0 04:31:08:22 0	00:00:04:00	611B cl_pge_160308a	02:22:37:07 00:00:05:01 2c	0 • • • Page 5 (0)
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XsquareTarget3	JJPEG Standard EVS MXF	3 04:31:18:03 0	00:00:38:24	610I PM LS_pge_160308a-i	02 21:43:59:13 00:01:16:18 Pamela, Angela	3
	UJPEG Standard EVS MXF	1 22:10:06:01	00:00:10:00	610J PM LS_pge_160308a-1	03 21:43:59:13 00:01:16:18 Pamela, Angela	3
(2a)	JIPEG Standard EVS MXF	1 22:10:06:01 (	00:00:10:00	611F TEST	02:35:44:17 00:00:04:17	0
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ltems: 9						

### **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): 📧 Server 🔚 Disk

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): Server E Disk

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.



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 **2000**. 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 and the other and the 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:

Nearline XF
 New folder

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.



EVS Xviewer 15.38				
File Audio Video Help	Clip Info		Metadata	
He Audio Video Hep	Cup into File File Name: Path: File Format Video Codec: Definition: Video Std:	evs-cl_pge_150924c-1 EV5-cl_pge_150924c-1 MXF OP1A (Standard AVC Intra 100 HD 1080 PAL 50Hz	Metadata Clip Clip Name: LsmID: UmID: VarID: Session Time: Date:	cl_pge_150924c 111A ,XiJaNJ; ,XiJaNJ;
00:02:15:20	Frame Rate: Scan Type: Aspect Ratio: Bitrate: Depth: Type: Audio	25 fps Interlaced 16:9 112 Mbps 10 bits	Name: Sport: Competition Level: Location: Team A: Team B:	15
	Codec: Tracks: Timecode Primary: In LTC:	Pcm 8 User 2015-09-23 20:31:34:01	XT Data Rating: Keywords:	★★★ dancers on s
12:03:35:17         00:00:10:08            I<	Short In LTC: Short Out LTC: Out LTC: In User:	2015-09-23 20:31:39:01 2015-09-23 20:31:44:09 2015-09-23 20:31:49:09 2015-09-23 12:03:30:17		
s:\nearline xf\scanfolder.done\evs-cl_pge_150924c-11 00:00:15:08 +000% PAL 16/9 🔀 37% 🐠				

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.

<u>Limitation</u>: 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

- Click Edit at the bottom right of the window to enable the Edit mode. Metadata fields and clip creation buttons are available for edition.
- Enter / edit the required metadata values in the metadata fields.
   Data not correctly formatted are displayed with a red frame:

Session		
Time:	10:00:00	$\otimes$
Date:	Select a date 15	$\otimes$

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:

XF Export	<b>—</b>
Destination	
Template:	Edit
Boundaries: 🔲 Limit to short-in / short-out	
With guardbands of 1 Seconds	
	Ok Cancel

- 5. Click the **Browse** button **and 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 <u>and</u> 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 <u>copy without rewrapping or transcoding</u> ("byte to byte copy"), clear the check box next to the **Templates** field.



For a <u>copy with rewrapping or transcoding</u>, 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).

Playlist - EDL + Clips

For a <u>copy from server to server</u>, 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 **set on the set of the s** 

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.							
	A Codec column and a Wrapper column help to clearly identify the file codec and format.							
	<ul> <li>Some metadata of the media item differ between the two lists.</li> <li>These metadata are highlighted in the Media grids.</li> <li>Example:</li> <li>List 1:</li> </ul>							
	Keywords Rating Duration							
	D         PTE         O         00:00:07:10           D         JO         PTE         First half         O         00:00:07:10							
	<ul> <li>List 2:</li> <li>pg</li> <li>pg</li> <li>09</li> <li>0</li> <li>00:00:06:19</li> <li>1</li> <li>00:00:07:10</li> <li>pge9</li> <li>Second half</li> <li>0</li> <li>00:00:07:10</li> </ul>							
	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

# 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.

▼										<b>X</b> 0 <b>0</b> 0 <b>0</b> 0 <b>0</b> 0 <b>0</b> 0 <b>0</b> 4
Source	Name	Destination	Template		Remaining Time	Speed	Status		Comments	
s:\nearline xf\evs-cl_pge_150924c-611a.mxf		s:\av files\EVS-cl_pge_150924c-611A_V01.mxf		AVC-Intra 100			0		[OK]	
s:\nearline xf\evs-cl_pge_160107c-613g.mxf								X Process ASAP	[OK]	
s:\nearline xf\evs-cl_pge_160107b-613f.mxf		s:\av files\EVS-cl_pge_160107b-613F_V01.mxf					<b>@</b>		[OK]	
s:\nearline xf\evs-cl_pge_160107d-613h.mxf							0	× Process ASAP C	[OK]	

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		O	The job has been sent to Xsquare and is scheduled to be processed.
Running		¢	The job is running.
Canceled		8	User has canceled the job.



Status	Job Status Color Code	Job Status Icon	Meaning
Failed		0	The job failed.
Completed		0	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.
NEW !	HDR Profile	High Dynamic Range profile of the file.
NEW !	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
<b>∑0 0 0 3</b> 0 <b>0 ⊘</b> 0	Waiting jobs are displayed in the Jobs pane.
<b>∑</b> 0 <b>0</b> <sup>©</sup> 0 <b>8</b> 0 <b>0 ⊘</b> 0	Scheduled jobs are displayed in the Jobs pane.
<b>∑</b> 0 <b>0 8</b> 0 <b>0 2</b> 0 <b>2</b> 0	Running jobs are displayed in the Jobs pane.
<b>∑</b> 0 <b>0</b> <sup>(*)</sup> 0 <b>(8</b> 0 <b>•</b> )0 <b>⊘</b> 0	Canceled jobs are displayed in the Jobs pane.
<b>∑</b> 0 <b>②</b> 0 <b>○</b> 0 <b>◎</b> 0 <b>◎</b> 0 <b>○</b> 0	Failed jobs are displayed in the Jobs pane.
素0 ❷0 ᠅0 第0 ❶0 📀0	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.



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.

Q

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 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.

Source	
XT3	x
XT3 PGE	

To clear the search filter, click 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.

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#### 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:

Templates	/
📄 - Avid MXF OPAtom	â
720p - ProRes 422 LT 100 Mbps QTMov	
720p - MJPEG EVS MXF	
720p - MJPEG 4Band XT1 EVS MXF	
1080i - Avaron O'VC-3'100Mbps MXF OP1a SMPTE	
1080i - AVC-Intra 100 MXF OP1a SMPTE	
📕 - QuickTime Movie	
📄 - MXF OP1a SMPTE	
🐚 - EVS MXF	
1080i - MJPEG 4Band XT1 EVS MXF	
Playlist - EDL + Clips	
🜌 XF 2 Dest - Avid OPAtom + AAF	
🚾 XF 2 Dest - QuickTime Reference + FCP XML	
🜌 XF 2 Dest - Avid OPAtom XDCAMHD + Proxy + Interplay + AAF	
🜌 XF 2 Dest - Avid OPAtom XDCAMHD + Proxy + AAF	
🚧 XF 2 Dest - Avid OPAtom XDCAMHD + Proxy + AAF	-

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:

I Templates Manager	
Here is an overview of all the available templates. Please check the tem to see in your template list.	nplates you want
🗹 Display all	
🖌 Wrapper Templates	-5 B 🖍 👔
🗹 📗 - Avid MXF OPAtom	
🗹 📑 - EVS MXF	
🗹 📑 - MXF OP1a SMPTE	
🗹 📗 - QuickTime Movie	
🗹 📗 - QuickTime Reference	
Codec Templates	-S 🖻 🗡 📗
🗹 💀 1080i - AVC-Intra 100 MXF OP1a SMPTE	
S-1080' Date Charles Contract Contract Street	المرجع والمرجع
• • • • • •	
Hzull Retrough - Prote-s4221rt 100 M ups Of Mov	
✓ To EVS Server	
Viser Templates	B 🗡 🔠 📘
🗹 🚾 Avid OPAtom + AAF	
🖌 🜌 Avid OPAtom + Proxy + AAF	
🗹 📑 MXF OP1a XAVC-Intra 300 - 4K	
🗹 📄 Playlist - EDL + Clips	
🗹 📄 Playlist - EVS EDL Only	
🗹 📗 To EVSMXF file + File Transfer	
To FV/SMXF file(Intra)	×
Reset Templates Save	Cancel

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 to 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 i 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 Sutton.

The User Template Import window opens:

😿 User Template Import		×
Import user templa	tes from fi	le:
		Browse
	Cancel	Import

- 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:

😿 User Template Import		×
Import user templa	tes from fi	le:
S:\Templates\Customize export templat	te_2015-10-26	Browse
🗹 XF 2 Dest - QuickTime Movie		
	Cancel	Import

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:

📝 User Template Import		<b>—</b> ×-
Import user templa	ates from fi	le:
S:\Templates\Customize export templa	te_2015-10-26	Browse
✓ XF 2 Dest - QuickTime Movie		
	Cancel	Import

#### 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:

😼 User Template Export	
Export user templates to file	:
S:\Templates\Customize export template_2015-10-26	Browse
Cancel	Export

- 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,

- 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:

😿 User Template Export		<b>x</b>
Export user templ	ates to file	:
S:\Templates\Customize export templa	ate_2015-10-2(	Browse
	Cancel	Export

- 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.

📝 User Template Export		×
Export user templ	ates to file:	
C:\Users\NeXT\Desktop\Customize expo	ort template_2(	Browse
	Cancel	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 the jobs from all the other tabs (Auto Archive, Archive, Auto Restore, Restore, Streaming and Media Manager tabs).

### 12.2. The Monitoring Tab

						2					
🗶 🕂 🕹 🕹 🕹 Kuto Archive 🔹 Arc	chive	🚯 Auto Restore 🔹 🕈 Restore 🗧	Stream	ing 🔲 Media M	anager M	onitoring				0	0 272
System (C:)		٩				Clear Finished Jobs	Filters: 🔣 📀 🔇	<b>•</b> = 0	Status:	3 6	00
34.76 GB free of 80 GB	Туре		LSMID	Name	Codec	Destination	Creation Time	Speed Remaining T	ime Status	Action	5
A242560A (G:)											
1962 66 CB ferr = 6 1962 01 CB		XT3 PGE	610)	PM LS_pge_160308a-03	AVC-Intra 100	\\XFA242560\AV files\EVS-PM LS_pge_160308a-03-610	2016/03/17 16:11:38	2.19x	<ul> <li>✓</li> </ul>	×	Process AS
1002.00 GB HEE OF 1005.01 GB	×	XT3 PGE	610H	PM LS_pge_160308a-01	AVC-Intra 100	\\XFA242560\AV files\EVS-PM LS_pge_160308a-01-610	2016/03/17 16:11:38	1.98x			Process AS
A242560B (H:)		XT3 PGE	6100	PM LS_pge_160308a-00	AVC-Intra 100	(XFA242300/AV files/EVS-PM L5_pge_1003088-00-610	2016/03/17 16:11:38	2.03X			Process AS
1862.88 GB free of 1863.01 GB		XT3 PGE	6110	PM LS_pge_1005068-02	AVC-Intra 100	\\XEA242300(AV files\EVS-PM L5_pge_1003068-02-010	2010/05/17 10:11:50	2.00X			Process AS
Data (S:)		VT2 DGE	6110	cl_pge_100308c	AVC-Intra 100	\\YEA242560\AV files\EVS-cl_pge_100308C-011C.mxf	2016/02/17 16:16:20	2.52			Process AS
6898.84 GB free of 7821.06 GB		XT3 PGE	611R	cl_pge_1003080	AVC-Intra 100	\\YEA242560\AV files\EVS-cl.pge_100308a.6118 mvf	2016/03/17 16:16:20	A 24v			Drovers AS
UPGRADE-XT (E:)		XT3 PGF	0110	PL pge 160314a	1080i - MIREG EV	\\XFA242560\AV files\	2016/03/17 16:18:48	0.32v		~	Process AS
● 0.14 GB free of 0.94 GB		S-\AV files\FVS-AC. noe 160111a-02-614Lmvf	6141	AC pge 160111a-02	AVC-Intra 100	XT3 PGF 111B	2016/03/17 16:21:56	0.71x			Process AS
		S:\AV files\EVS-AC pge 160111a-03-614E.mxf	614E	AC pge 160111a-03	AVC-Intra 100	XT3 PGE 112B	2016/03/17 16:21:56	0.00x		×	Process AS
		S:\AV files\EVS-ccciii-610D.mxf	610D	ccciii	AVC-Intra 100	XT3 PGE 1138	2016/03/17 16:21:59	0.64x		×	Process AS
		S:\AV files\EVS-AC pge 160111a-02-614D.mxf	614D	AC pge 160111a-02	AVC-Intra 100	XT3 PGE 114B	2016/03/17 16:21:59	0.00x	8	×	Process AS
	•	S:\AV files\EVS-AC_pge_160111a-03-614K.mxf	614K	AC_pge_160111a-03	AVC-Intra 100	XT3 PGE 1178	2016/03/17 16:21:59	0.61x			Process AS
		S:\AV files\EVS-AC_pge_160111a-01-614I.mxf	614I	AC_pge_160111a-01	AVC-Intra 100	XT3 PGE 1168	2016/03/17 16:21:59	0.00x	0	×	Process AS
	•	S:\AV files\EVS-cl_pge_150924c-611A.mxf	611A	cl_pge_150924c		XT3 PGE 1188	2016/03/17 16:21:59	0.56x	<ul> <li>Image: Control of the second se</li></ul>		Process AS
	*	S:\AV files\EVS-REC1 A 22-OCT-2015 02h21m14s12.m:	000A					0.00x	8	×	Process AS
		S:\AV files\EVS-REC1 A 22-OCT-2015 02h45m00s00.m:	000A	REC1				0.00x	8		Process AS
	- 4	S:\Nearline XF\EVS-cl_pge_160229e-611A.mxf	111A					1.87x	0	×	Process AS
	•	S:\Nearline XF\EVS-cl_pge_160229f-611B.mxf						1.78x	<b></b>	×	Process AS
								1.71x	<b></b>	×	Process AS
	•	S:\Nearline XF\ScanFolder.DONE\EVS-cl_pge_150924i-							0		Process AS
	÷							2.10x	0	×	Process AS
	Ξ								•		Process AS.
	Ξ							1.00x		×	Process AS
Create Storyboard											

#### **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		G	The job has been sent to Xsquare and is scheduled to be processed.
Running		¢	The job is running.
Canceled		8	User has canceled the job.
Failed		0	The job failed.
Completed		0	The job completed successfully.

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#### **Jobs Columns Description**

Column	Description
Туре	Icon representing the type of job:
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 on the selected job and select Cancel from the contextual menu. This can be applied 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 Cin 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 Process ASAP from the Actions column.

The job will be processed soon with high priority.

### 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.
	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.
★ ★ ★ Ξ ■	Transfer jobs, initiated from the Media Manager tab, are displayed in the Jobs pane.

#### Filter by Status

Filter Button	Action
o 🙁 🕕 🔗	Scheduled jobs are displayed in the Jobs pane.
0 3 0 0	Canceled jobs are displayed in the Jobs pane.
0 8 0 0	Failed jobs are displayed in the Jobs pane.
0 🙁 🕕 🔽	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.

								2					
<b>K</b> FILE	3 🐧 Auto Archive	Ard	hive	🐁 Auto Restore 🔹 👌	Streami	ng 🔟 Media M	anager M	onitoring					¢ ⊚ ≡∨≡
Sys	stem (C:)			٩				Clear Finished Jobs	Filters: 🔣 😺 🭕		💷 Status	0	000
34.	76 GB free of 80 GB				LSMID	Name	Codec	Destination	Creation Time	Speed Re	maining Time Stat	us Act	tions
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	42560B (H:)		•	XT3 PGE	6100	PM LS_pge_1003068-00	AVC-Intra 100	\\XFA242560\AV files\EVS-PM L5_pge_160308a-00-61C	2016/03/17 16:11:38	2.03X	· · · · · · · · · · · · · · · · · · ·	l î	Process AS
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UP	GRADE-XT (E:)		*				1080i - MJPEG EV	\\XFA242560\AV files\		0.32x	Q	×	Process AS
0.1	4 GB free of 0.94 GB		•	S:\AV files\EVS-AC_pge_160111a-02-614J.mxf						0.71x	<u>ح</u>	×	Process AS
			ŵ							0.00x		×	Process AS
			a.	S:\AV files\EVS-cccjjj-610D.mxf							Q	×	Process AS
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			•	S:\Nearline XF\EVS-cl_pge_160229e-611A.mxf	111A	cl_pge_160229e	AVC-Intra 100	XT3 PGE 111A	2016/03/17 16:24:41	1.87×	<u>ح</u>	×	Process AS.
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				S-Wearline XF\ScanFolder.DONE\EVS-cl_pge_150924i-	111E	cl.pge_150924i-02	AVC-Intra 100	XT3 PGE 111E	2016/03/17 16:25:06	2.07x			Process AS
			=	XT3 PGE	000A		AVC-Intra 100	\\XFA242560\XFILE3\EVS-REC1 A 17-MAR-2016 05h02i	2016/03/17 16:27:47	1.00x	4	5	Process AS
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	Create Storyboard		-								_		*
-			aciiis, 10	A Sciected. 1									

#### **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

XEFile3 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	EAEVS-\$c8F4v;2-211A.evs.xml	402MB
211C	\$c8F4v]H	09:56:12:12	00:00:24:00	K Y9999999	K Y00	K Y098	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	EAEVS-\$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:

Filters	
Archives	Marked for archive (Alt+Z)

• 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

<ul> <li>xXS (9)</li> <li>xXS132000 (2)</li> <li>xXT3 (168)</li> <li>xXS (9)</li> </ul>	
X132000 (2) X13 (168)	

• no restore option is available (copy type, camera, keep original IDs, Limit to shortin/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 **Settings** 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)

NEW !

The **Help** button **I** 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:

		_										
(File3 Auto Ar	thive	🔶 Re	store									0 0 Evs
Unselect a	۹		_			Items: 6	28					Destinations
<ul> <li>System (C/\)</li> <li>A2348608 (D/\)</li> </ul>		SDTI NIB	Camera Label	LSMED	Name	Codec	Wrapper	Keyword	1 Keyword 2	Keyword 3	Keyword 4	= (m) XS (%) = (m) XS132000 (2)
V Second DAS (E/s)	ų		MA-TEAM A	0000	M29-SELECE.FSP.MA-TEAM	AVC-letra 100	MOVE OP1A SMIPTE				_	■ ■ XT3 (168)
Avid Medianies     Footage			MA-TEAM B	000A	M29-SF1-POR-ESP-MA-TEAM	AVC-Intra 100	MOTE OP1A SMPTE				'	■ ■ XS132000 (2)
✓ SAMPLES     ✓ test     ✓			M8-MDM1	0008	M30-SF2-GER-ITA-HELICAM	AVC-Intra 100	MOF OP1A SMPTE					■ 🖛 XT3 (168)
<ul> <li>✓ test data</li> <li>✓ XELE3</li> </ul>			MB-STAD AERIAL	0000	M30-SF2-GER-ITA-MB-STAD		MOUT OP1A SMPTE					
► 🖌 🧮 xfly_streamer			MB-TACTICAL	0008	M30-SF2-GER-ITA-MB-TACTI		MOUT OP1A SMPTE					
💷 🦝 Kestore (KCV)			MB-TEAM B	000A	M30-SF2-GER-ITA-MB-TEAM		MOUT OP1A SMPTE					
							MOUT OP1A SMPTE					
		8					MOUT OP1A SMPTE					
		1					MXFOPAtom Avid					
		1	REC1	000A	REC1	Avid DNxHD 8 b Low	w M00FOPAtom Avid					
		1	REC2	0008	REC2		<ul> <li>MXFOPAtom Avid</li> </ul>					
		1	REC2	0006	REC2	Avid DNxHD 8 b Low	<ul> <li>MOCFOPAtom Avid</li> </ul>					
												Restore
iource		Des	tination Clip I	Name	Remaining Time	Speed Status Tran	scoded Actions		Comme	nts		
		1.mod XS1	32000 711A 0124		DVCPROHD	0.00x 🕗	× Pros	ess ASAP				
		1.mod XS1	32000 7118 0124		DVCPROHD	0.00x 🕘	× Pros	ess ASAP				
	-3118.mxt	XS1	32000 711C 0124		DVCPROHD	0.00x 🕘	× Proc	ess ASAP				
		1.mud XS1	32000 711D 0124		DVCPROHD	0.00x 🕘	× Proc	ess ASAP				
	-314A.mx	r XS1	32000 711E 0124		DVCPROHD	0.00x 🕗	X Proc	ess ASAP				

#### **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)

NEW !

The **Help** button **(2)** 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" 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 94.

#### 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 **Settings** 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)

#### NEW !

The **Help** button **I** 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.

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 of the Storage Device and Settings pane, set a format string for the name of the recorded stream files.

See section "Setting the Auto Filename" 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 a Single File" on page 1.

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 1.



### **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:

Destinations	
- EVS MXF	
C-Next	

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.

Destinations	
- EVS MXF	
D:\XF3	
C-Next	

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.

Destinations	
- EVS MXF	
D:\XF3	
✓ C-Next Germany BC\Editorial Storage	

#### 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 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.

#### **NEW!** 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.

NEW !

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)

**NEW !** 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.



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.

	SDTI Nb	Camera Label	LSMID	Name	Codec	Wrapper	Keyword
٩							
				EVS111A			
				EVS-cl_pge_150924c-611A_V01 (1)			
				EVS-cl_pge_150924e-611C_V01 (2)			
				EVS-cl_pge_160107d-613H_V01			
				EVS-cl_pge_160405a-00-614G			
				FVS-IPLink-613C			

#### **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:

- 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:

- distant locations and clips, when the C-Next Contribution mode has been enabled.
  Distant locations are represented by <u>2</u>.

#### 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.

📼 Server 🛛 📇 Disk

- Transfers between two distant locations is not possible.
- No transcoding or rewrapping is possible. No template can be selected.

Templates: 📄 - Avid MXF OPAtom 🔹 Edit

 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.

📑 List 🔤 Player

#### **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

<complex-block>

#### **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 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
6	Restore jobs, managed by C-Next, from distant locations are displayed in the Jobs pane.
C C	Archive jobs, managed by C-Next, to distant locations are displayed in the Jobs pane.

## 16.5.2. Overview of the Monitoring Tab

1					2							
🖌 FILE 3 🐧 Auto Archive 🔹 Ar	chive	🚯 Auto Restore 🔹 🕈 Restore 🗮 Streamin	g	III Media Manager Monitorin	9						Ó	0 272
System (C:)		٩				Clear Finished Jobs Fill	ers: 🔣 😺 🐟	0 I II C C		Status	00	00
16.75 GB free of 80 GB	Туре	Source	LSMID			Destination	Creation Time	Speed Remaining Time	Status		sins	
MICT316 RDC ENFOIRES (E-)												
	*	XT3 PGE	231A	EVS-cl_pge_150924e-611C_	AVC-Intra 100	S:\AV files\EVS-EVS-cl_pge_150924e-611C231A.mxd, Location1	2018/07/26 13:08:07	0.00x		×		SAP C
880.8 GB free of 1863.01 GB	*			IPLink		S:\AV files\EVS-IPLink-235A.mxf, Location1	2018/07/26 13:08:07	0.00x		×		SAP C
A242560A (G:)	*	XT3 PGE		EVS-cl_pge_160405a-00-61	AVC-Intra 100	S:\AV files\EVS-EVS-cl_pge_160405a-00-61-234A.mxf, Location1	2018/07/26 13:08:07	0.00x				SAP C
1862.66 GB free of 1863.01 GB	*			EVS-cl_pge_160107d-613H_		S:\AV files\EVS-EVS-cl_pge_160107d-613H233A.muf, Location1	2018/07/26 13:08:07	0.00x		×		SAP C
Data (S:)	٠				AVC-Intra 100	S:\AV files\EVS-AND-OLY-ISO3-ISO4-111B_3D0.mxf, Location1	2018/07/26 13:11:57	0.00x				SAP C S
6970 28 GP from of 7921 06 GP	*							0.00x				SAP C
007030 00 1166 01 702100 00	٠											ISAP C
	- 🚯							0.00x				SAP C
												SAP C
	•									×		SAP C
	•											SAP C
	•							0.00x				SAP C
	*											SAP C
	00							0.00x				SAP C
	03											SAP C
	00							0.00x		×		SAP C
	83											SAP C
	03							0.00x				SAP C
	00							0.00x				SAP C
	03							0.00x				SAP C
	00			EVS1110_V01			2018/07/26 13:40:39	0.00x				ISAP C
	03							0.00x				SAP C
	-											
Create Stepsheard												
Create Storyboard	Items: 22	2										

#### 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		G	The job has been sent to Xsquare and is scheduled to be processed.
Running		¢	The job is running.
Canceled		8	User has canceled the job.
Failed		0	The job failed.
Completed		0	The job completed successfully.



#### **Jobs Columns Description**

Column	Description
Туре	Icon representing the type of job:
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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