User's Manual

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X·Tract

Backup and Restore Software for XTnano Servers

EVS

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

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1. Overview

XTract is an interface software dedicated to the backup and restore of clips from or to one or several XTnano servers. XTract manages the backup and transfer of all clips that have been marked as "to archive" by the XTnano operator.

This manual describes the configuration interface, that is easy to use and straightforward.

XTract acts as a user interface for the background running XTAccess file transfer application. XTract sends its commands to XTAccess using the LinX protocol. Please refer to the XTAccess documentation for detailed instructions about this application.

2. Installation

The XTract user interface application must be installed on the same computer as the XTAccess file transfer application. The XTAccess application is dedicated to XTract and cannot be used by any other application.

The XTract setup launches the XTAccess installation only if no XTAccess is installed or if the already installed XTAccess version is lower than the new one.

XTAccess is restricted to file transfer with wrapping when required but cannot perform any format transcoding. The available wrappers are:

- QuickTime Reference
- QuickTime Movie
- MXF OP1a
- MXF EVS
- Avid MXF OpAtom

XTract is able to communicate only with one single XTAccess application installed on the same computer, but it manages the backup and restore of files from and to multiple XTnano servers.

As only one XTAccess application is used, only one XML Unit is defined by default for the communication between the XTract and XTAccess applications using the LinX protocol. XTract creates xml files corresponding to the backup and restore jobs requested by the operator and drop these files in the XML Unit folder. XTAccess regularly pools this folder and executes any available job described as an xml file.

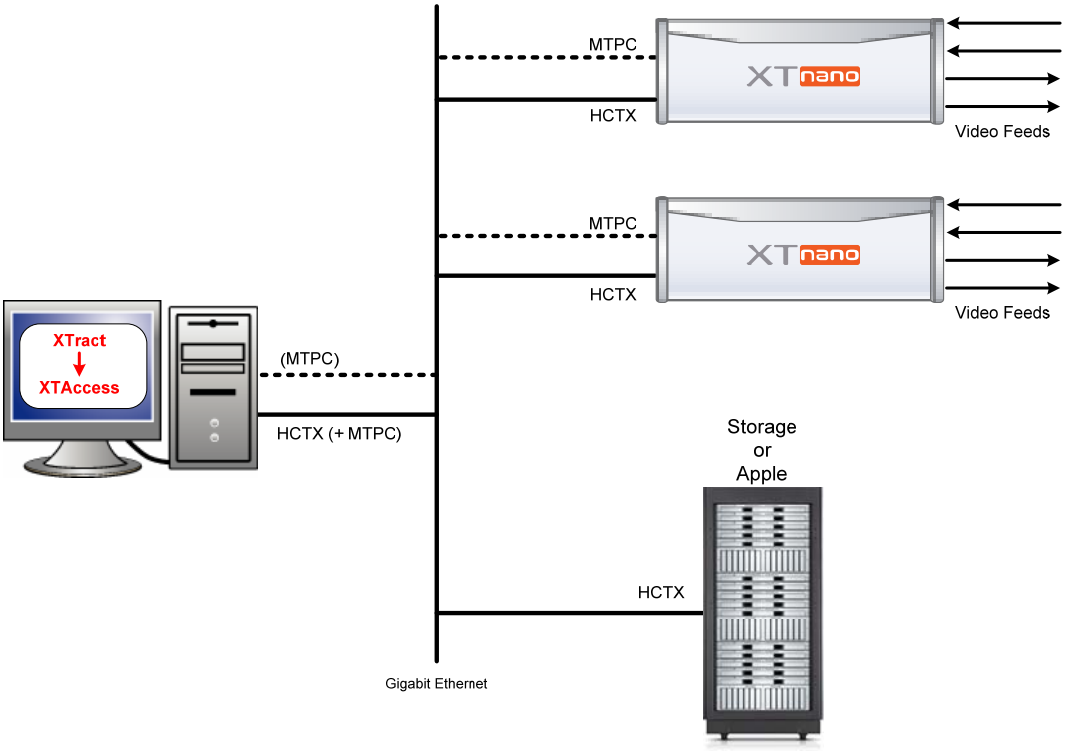
3. Network Architecture

XTract is installed on the same computer as an XTAccess application. XTract is the interface application used to manage the backup and restore functions.

The files to be archived and restored are located on one or several XTnano servers and storage units connected to the same network.

Two networks are used for the various communication and the transfer of files as illustrated. Physically, these networks can be one and the same or separate for the sake of performance:

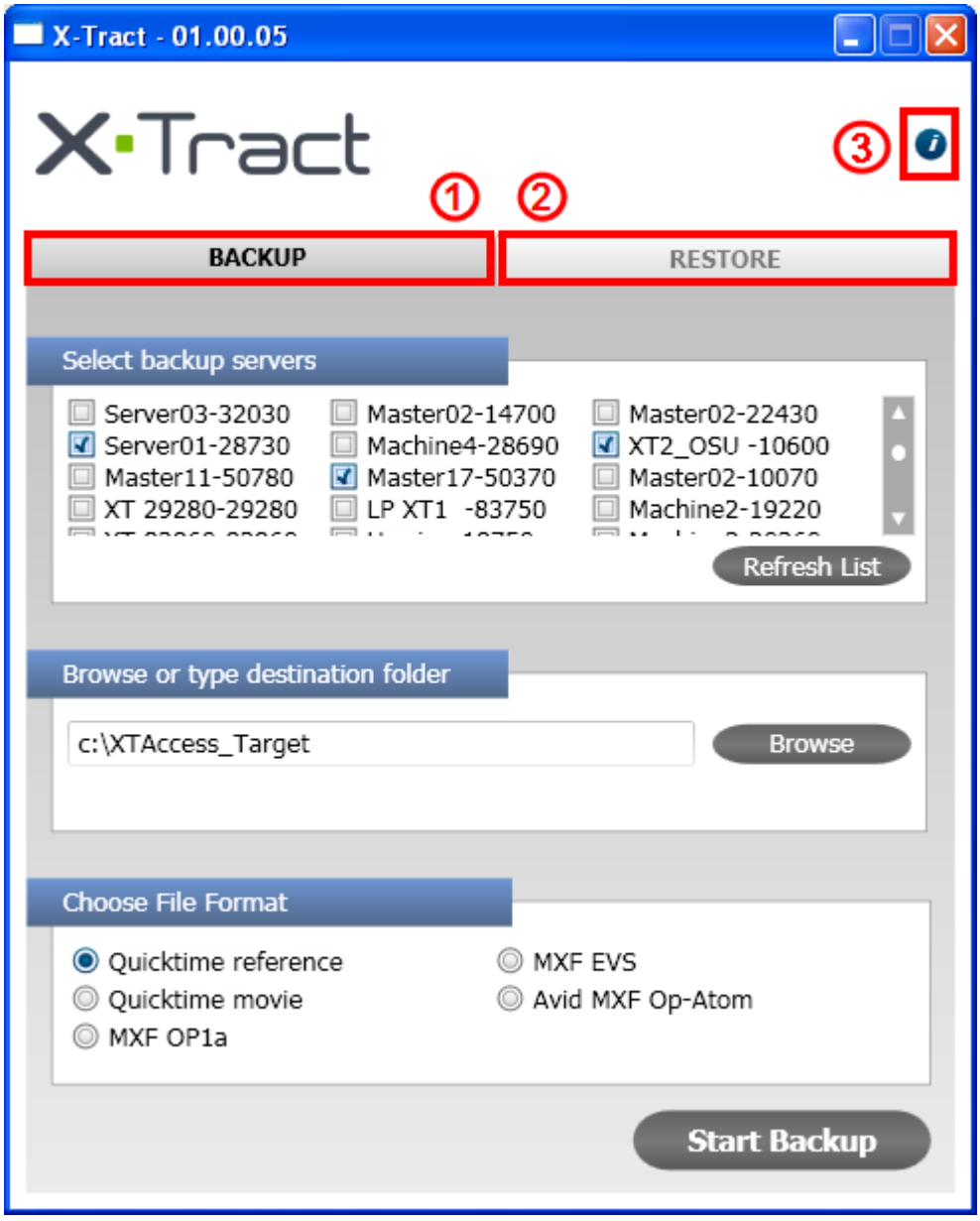
- The MTPC network is used to detect XTnano servers, to identify them, and to transfer the list of clips to be backed up.
- The HCTX network is used to transfer the clips data between the XTract and XTAccess computer, the XTnano servers and the storage unit.



4. Software Interface

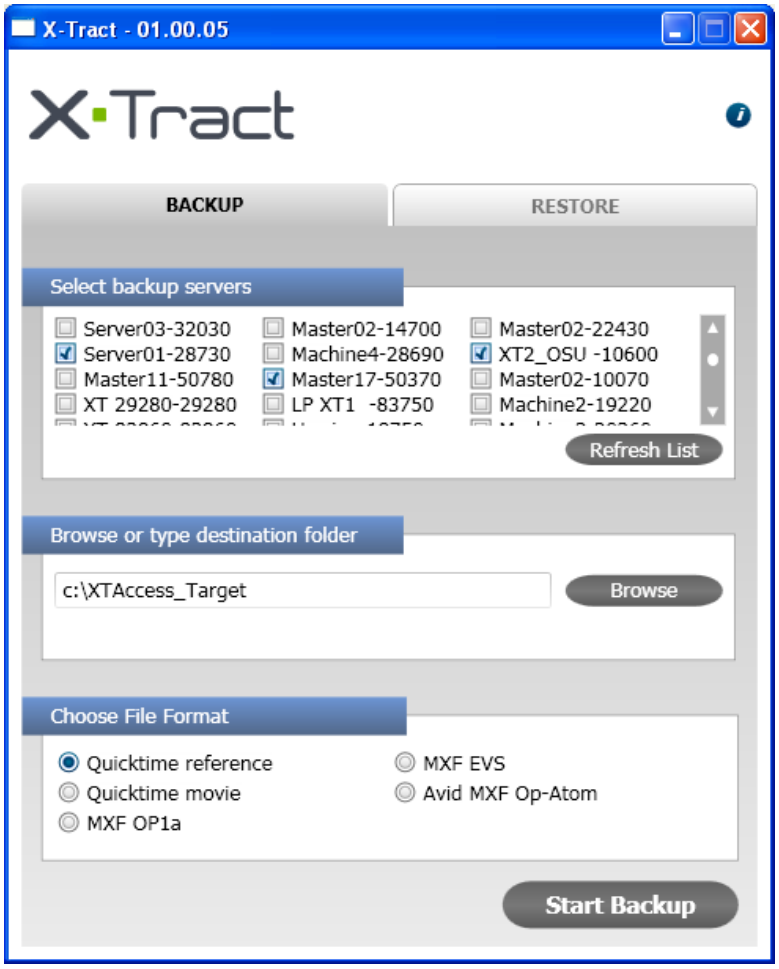
The XTract software interface is made of a simple window as illustrated with the following items. Each item opens a specific window that is described in this chapter.

1. The BACKUP tab.
2. The RESTORE tab.
3. The About button.



4.1 THE BACKUP WINDOW

The BACKUP window is open by default when you launch the application.



The window is divided in three panes:

Select backup servers

The first pane displays a list of all available XTnano servers on the network found after a discovery process.

At any time, you can refresh this list and start a new discovery process, by clicking on the **Refresh List** button.

Once the list is displayed, select all XTnano servers on which you want to perform a backup. Thus, all files tagged as "to be archived" by the server operator will be copied to the storage unit.

Browse or type destination folder

The second pane displays the destination folder (server on the network, disk and folder on this disk) for all files that are going to be backed up.

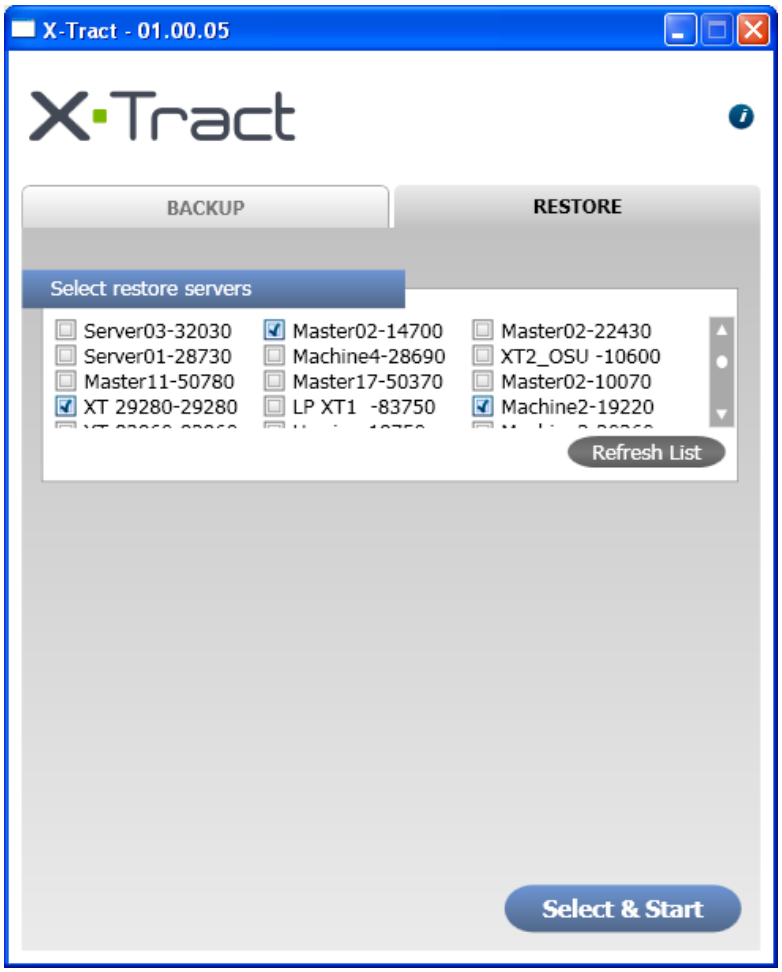
You can either enter directly the path to this directory or browse to it using the

Browse button.

Choose File Format

Select the format of the backup file among the available format. Please note that, in an XTract system, XTAccess does not perform any file format transcoding.

4.2 THE RESTORE WINDOW



The window displays only a Select backup server pane, which is similar to the one in the BACKUP window:

Select backup servers

The pane displays a list of all available XTnano servers on the network found after a discovery process.

At any time, you can refresh this list and start a new discovery process, by clicking on the **Refresh List** button.

Once the list is displayed, select all XTnano servers to which you want to restore backup files.

By default, the restored files are sent to page 6 on the destination XTnano server.

4.3 THE ABOUT WINDOW

This window displays the following items:

- The XTract application version.
- A link to this User Manual in digital format.
- A list of EVS technical support mails and phones if you need further assistance with this product.

4.4 ALERTS AND MESSAGES

The following alert and messages may be displayed in the BACKUP and the RESTORE panes:

Alert	Description
A server name is displayed in red	The server had been detected but is not available anymore (for example due to a connexion lost).

Message	Description
"XML Unit not accessible"	The XTAccess application is not started and running.
"Destination not reachable"	The backup folder located on the remote storage unit is not accessible (for example due to a connexion lost).

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