

INSTALLATION MANUAL

Version 3.9 - May 2017



Xsquare.



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What's New?

Introduction

Changes linked to new features in Xsquare version 3.9 do not require an update of the installation manual.

The full list of modified and new features in version 3.9 is available in the release notes.



1. Xsquare Overview

The goal of the Xsquare solution is to act as an orchestrator receiving job requests and dispatching them to the best Xsquare agent (loadbalancing, JOB API, etc), which means an Xsquare agent available and able to manage the requested job (transcoding, rewrap, etc).

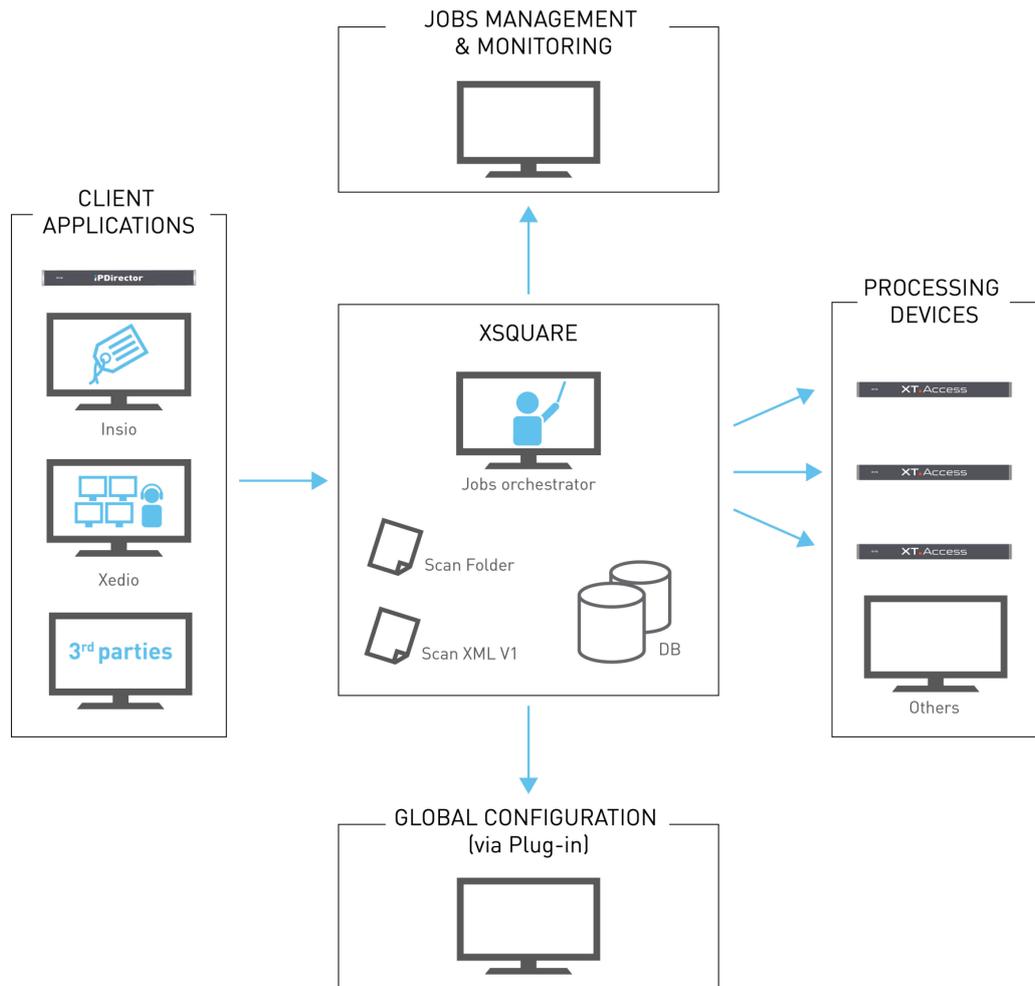
The Xsquare agents can be **XTAccess** or **File Transfer Agent (FTA)**.

All the jobs for XTAccess will go through Xsquare, which will be the central point to control XTAccess. XTAccess will not be directly visible to the users any more.

The jobs for FTA can be directly included in the XML job file, or be integrated into a more complex job, as a post-processing step, in XSquare.

The main advantages of this architecture are the following:

- One global Orchestrator for all the jobs
→ improvement of jobs load balancing, dispatching and management.
- One global configuration tool
→ simplification of the engines configuration as well as the targets configuration.
- One global monitoring tool
→ simplification of the monitoring of all the jobs.
- Additional modules (Scan Folder, Scan XML v1) can be added to Xsquare
→ modularity



The clients (IPD, 3rd party, Xedio, etc) who want to create a job (transfer of media from A to B) will have only one unique interface (GUI, API, configuration): **Xsquare**.

2. Software Installation

2.1. Full Installation vs. Light Installation

Three Xsquare installers are provided:

- The Xsquare full installer to install the complete Xsquare application suite, required EVS services, as well as other software and services required to be able to work with the Xsquare suite (software requirements).

Two executable files are available:

- One compatible with Windows 7 with the following name pattern: `Xsquare_Suite_x.x.x.x_Setupwin7_full.exe`. SQL Server 2008 is used with Windows 7 and included in this executable.
- One compatible with Windows 10 with the following name pattern: `Xsquare_Suite_x.x.x.x_Setupwin10_full.exe`. SQL Server 2016 is used with Windows 10 and is included in this executable.

You will use the full installer for a new installation, an upgrade to a major release (for ex. from v.2.X to V3.X), or one of the required external software needs to be updated to be compatible with the Xsquare version.

- The Xsquare light installer to upgrade the Xsquare application suite. It includes the Xsquare suite and other EVS software components, but not external software required, which must have been previously installed.

The executable has the following name pattern: `Xsquare_Suite_x.x.x.x_Setup_light.exe`.

You can use the light installer to upgrade to a new minor release (for ex. from v.3.4 to V3.8) if all required external software are up to date on your workstation.



NOTE

See the release notes for full information on compatibility with Windows OS and SQL Server.

2.2. Installation Types

During the installation process, you will be able to choose among the following installation types:

- **StandAlone setup:** The installer will install Xsquare, XTAccess and all the required software. The installer will also automatically associate XTAccess to Xsquare. This Installation mode will not ask other confirmations or questions.
- **Orchestrator setup:** The installer will install Xsquare and all the required software but not XTAccess. This Installation mode will not ask other confirmations or questions.
- **Agent setup:** The installer will install XTAccess and all the required software but not Xsquare. This Installation mode will not ask other confirmations or questions.
- **Advanced setup:** The installer will show you all the software installed on your computer and you will be able to select manually the software to install.

This Installation mode will require for each installer other confirmations and questions. This mode must be used by EVS experts only. In this mode, the following information are displayed:

- version number of installed components;
- version number of components available in the installation package;
- **Install** and **Remove** buttons for each component that make it possible to install or uninstall individual components.



NOTE

The FTA agent can only be installed via the Advanced installation. See Installing the FTA agent.

2.3. Installing Xsquare



NOTE

For a minor upgrade, check that your workstation meets the external software requirements defined in the release note. Otherwise, select a full installer to upgrade Xsquare.

To install the Xsquare suite using the full installer, proceed as follows:

1. Copy the requested installer file in a temp directory (e.g. C:\Install Software\Xsquare\).

See section "Full Installation vs. Light Installation" on page 1 for more information on the various executable files.

2. Double-click the executable file to launch the Xsquare Suite setup wizard, then follow the installation steps:

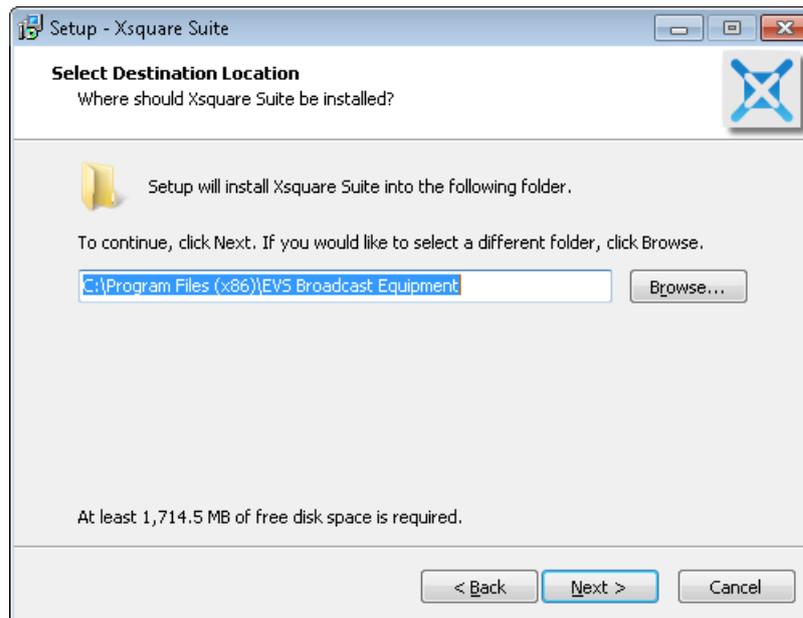
The Welcome window appears.

3. On the Welcome window, press **Next**:



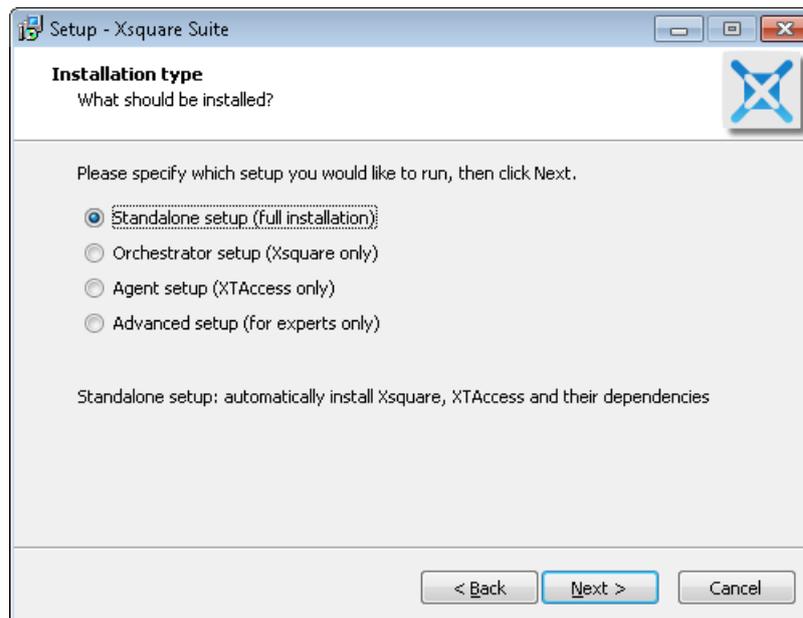
The Select Destination Location window appears.

4. In the Select Destination Location window, select the destination directory to install the new software and press **Next**:



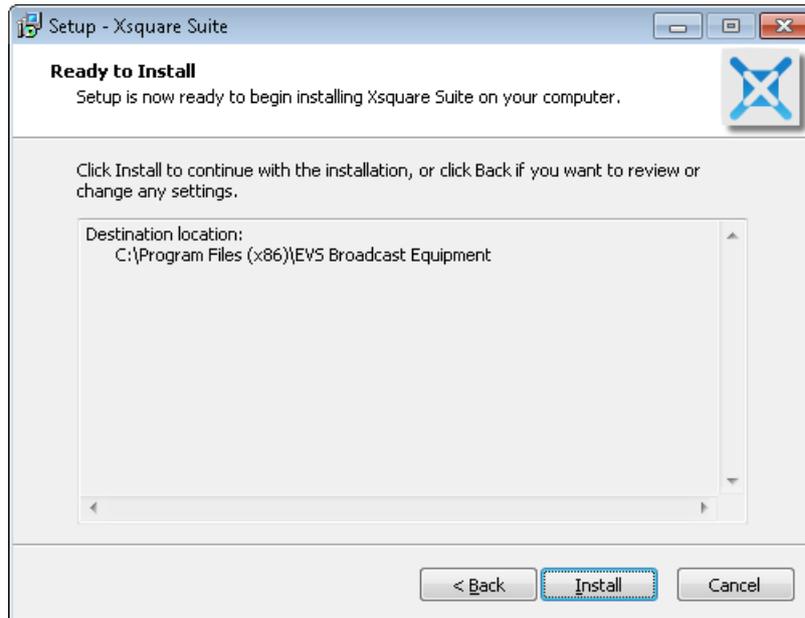
The Installation Type window appears.

5. In the Installation Type window, select an installation type (See section "Installation Types" on page 2) and click **Next**.



The Ready to Install window appears.

6. The Ready to Install window summarizes the selected location for Xsquare, and the database name. Click **Install**.



The Installing window opens.

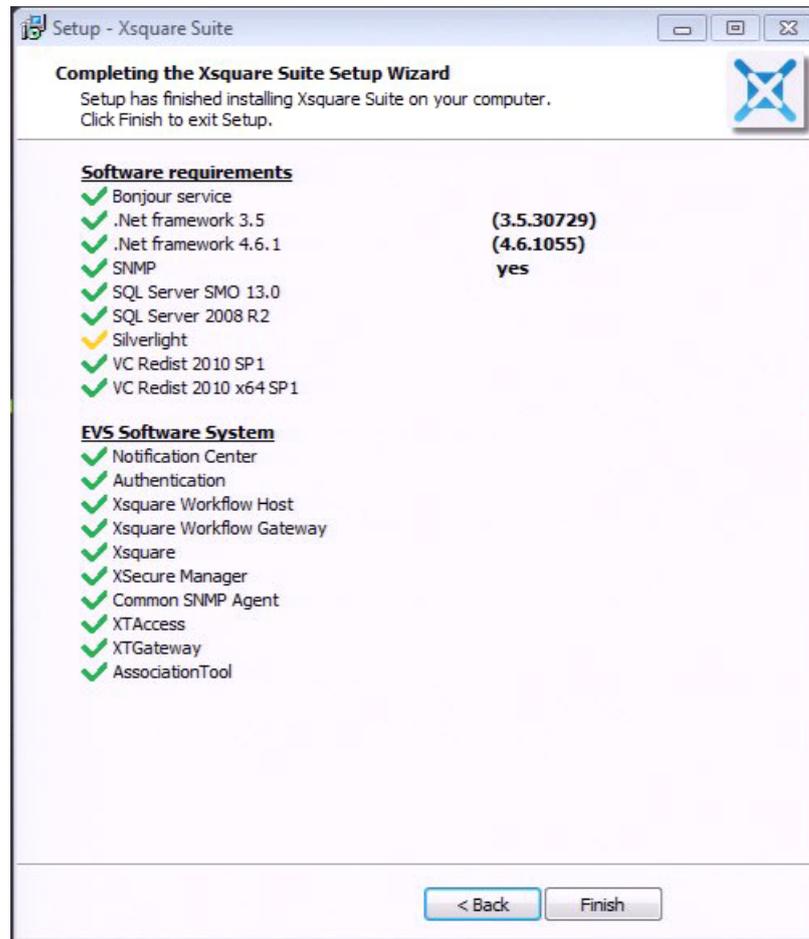
7. In the Installing window, two behaviors are possible:
 - If you have selected the **Standalone, Orchestrator** or **Agent** setup, the various installation components are called and installed automatically one after the other. As the components are installed, they are checked. If one of the components fails to install, a red cross is displayed next to it: You will have to reinstall the component via an Advanced setup afterwards, or contact your system administrator.



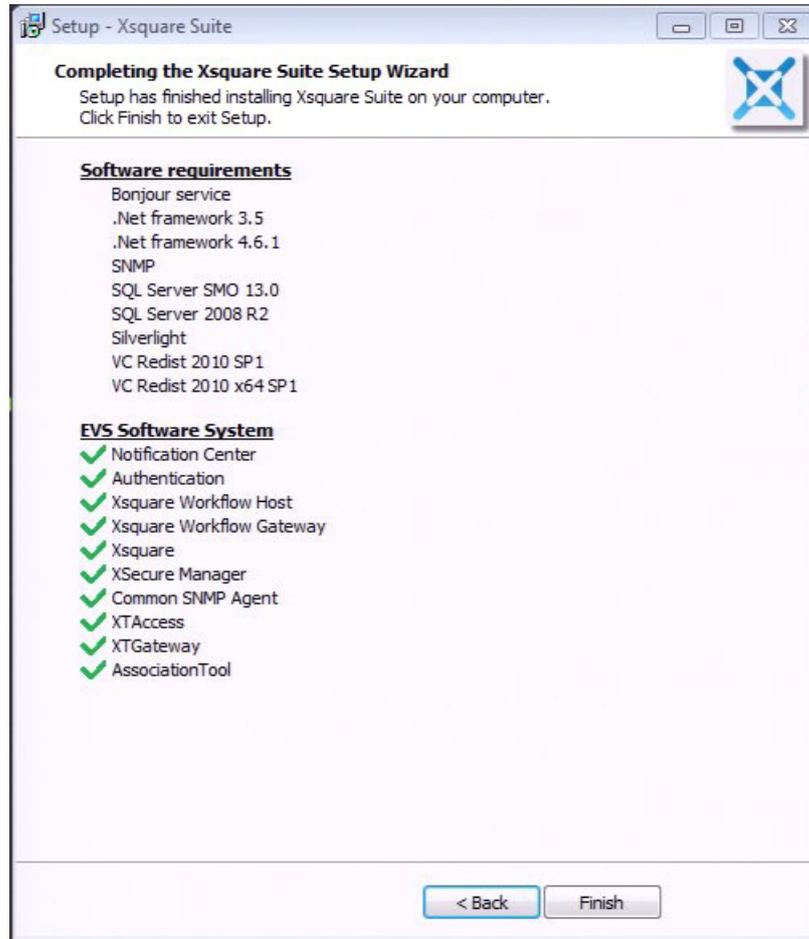
NOTE

In case of a full installation, you may be requested to restart your computer once some external software components have been installed. When your computer is restarted, launch again the Xsquare installation wizard and proceed to the installation of the EVS Software System components.

The following screenshot shows the Installing window in a full installation in Standalone mode when all the components have been upgraded:

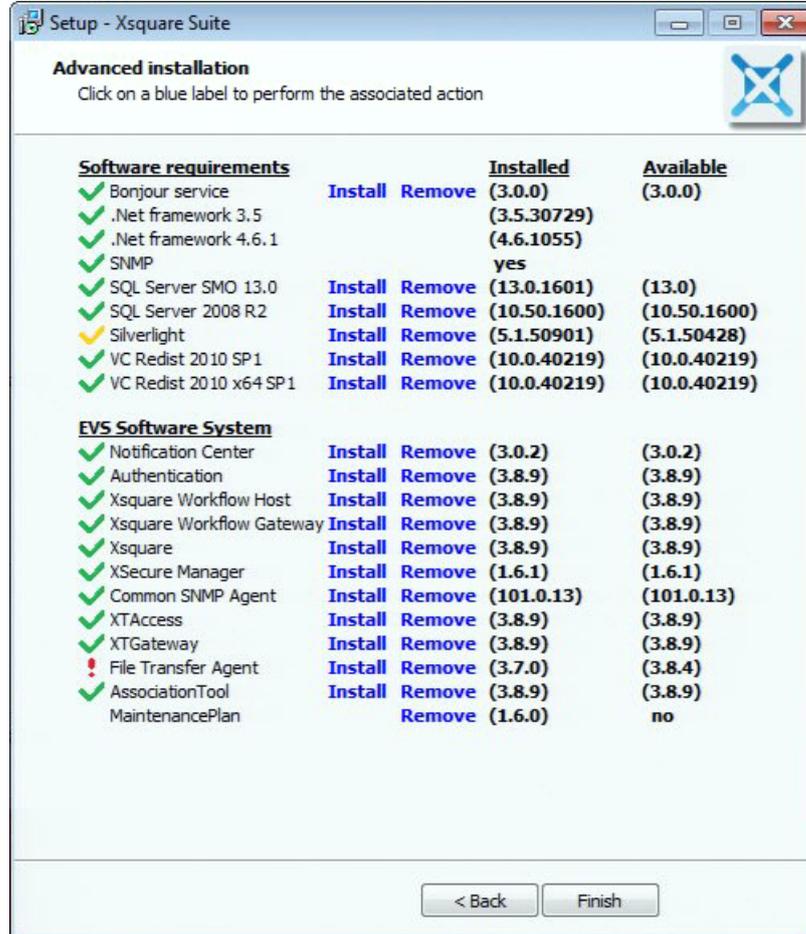


The following screenshot shows the Installation window in a light installation in Standalone mode when all the EVS software components have been upgraded:



- If you have selected the Advanced setup, you need to manually click the **Install** or **Remove** buttons next to each installation component to install the upgraded version or remove it.

The following screenshot shows how the Installing window looks like for a full installation in Advanced mode:



8. When all (requested) components have been installed, click **Finish**.

Once the installation is completed, the following application shortcuts have been created on the desktop:



When Xsquare is running, XTAccess always needs to be started. The small XTAccess icon in the notification area (right) of the taskbar is displayed when the application is open.

2.4. Installing FTA Agent

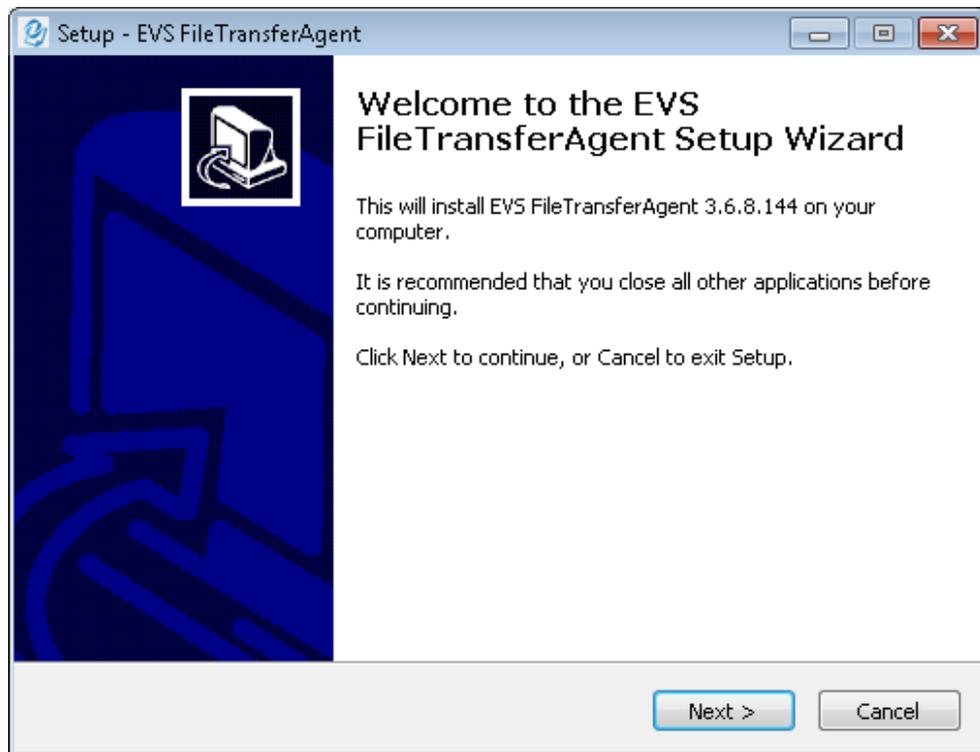
If you prefer to first upgrade Xsquare using an automatic installation type, launch first the automatic installation process selecting the Standalone or Orchestrator setup.

Once you have upgraded Xsquare, proceed as follows to install the FTA agent:

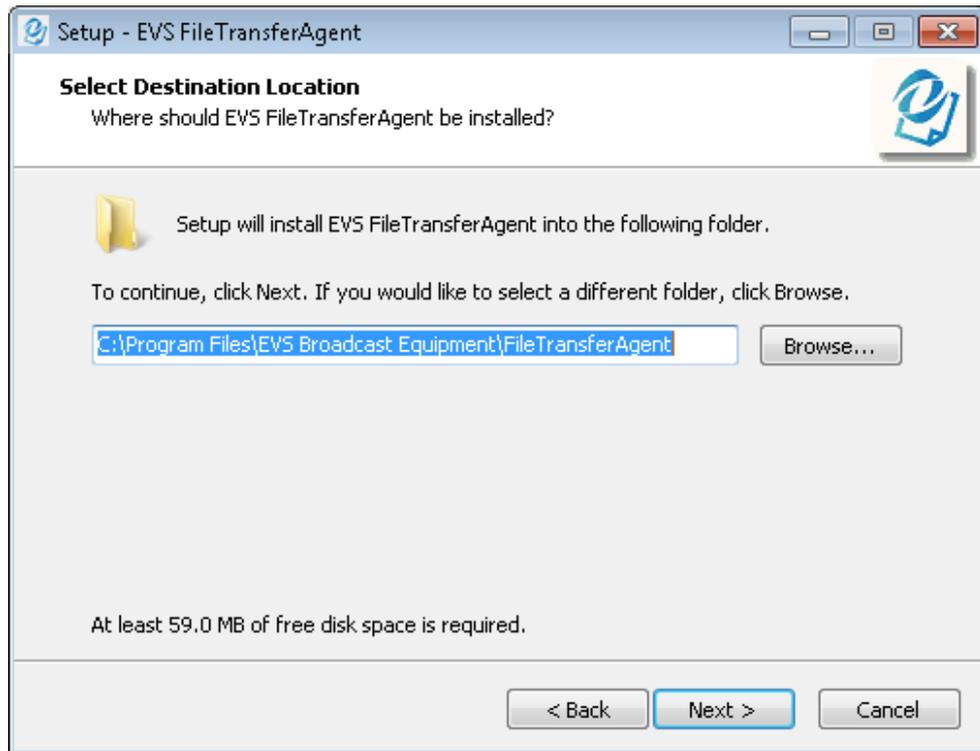
1. Launch the Xsquare installation wizard and go through the installation steps 1 to 5 as described in the main installation procedure in section "Installing Xsquare" on page 3.
2. In the Installation Type window, select **Advanced Setup** and click **Next**.
3. In the Advanced Installation window, select **Install** next to **File Transfer Agent**.

The File TransferAgent Setup wizard opens.

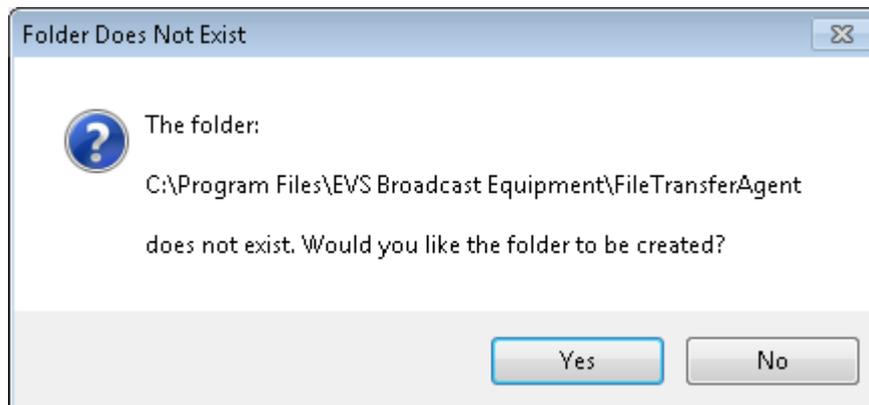
4. In the Welcome window, click **Next**.



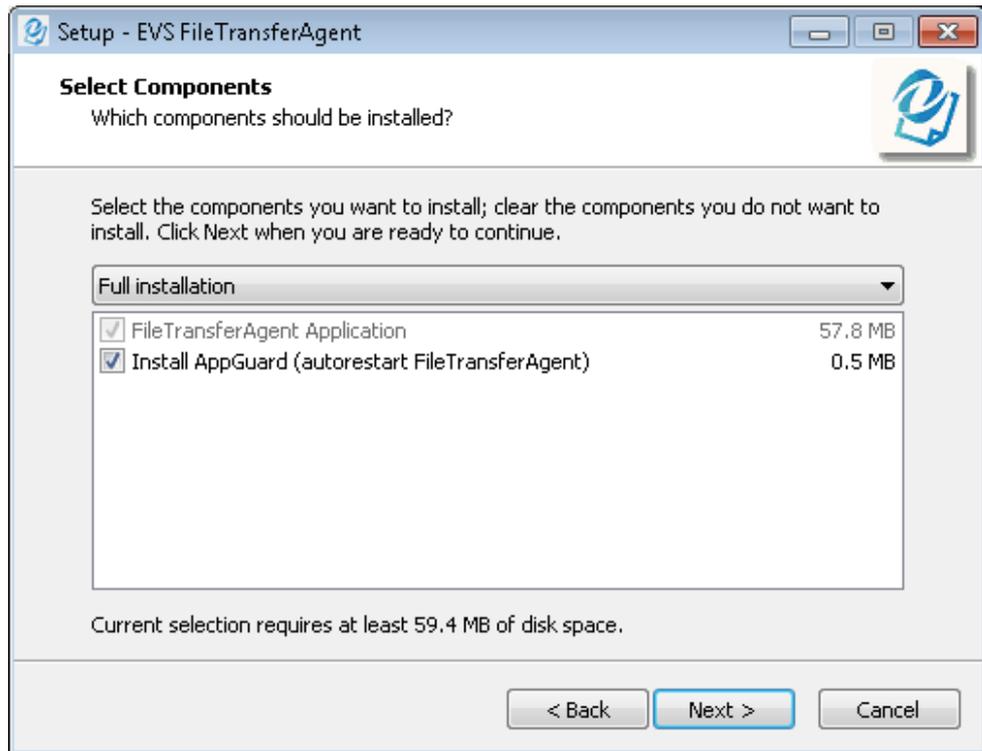
5. In the Select Destination Location window, select the destination directory to install the FTA agent and press **Next**:



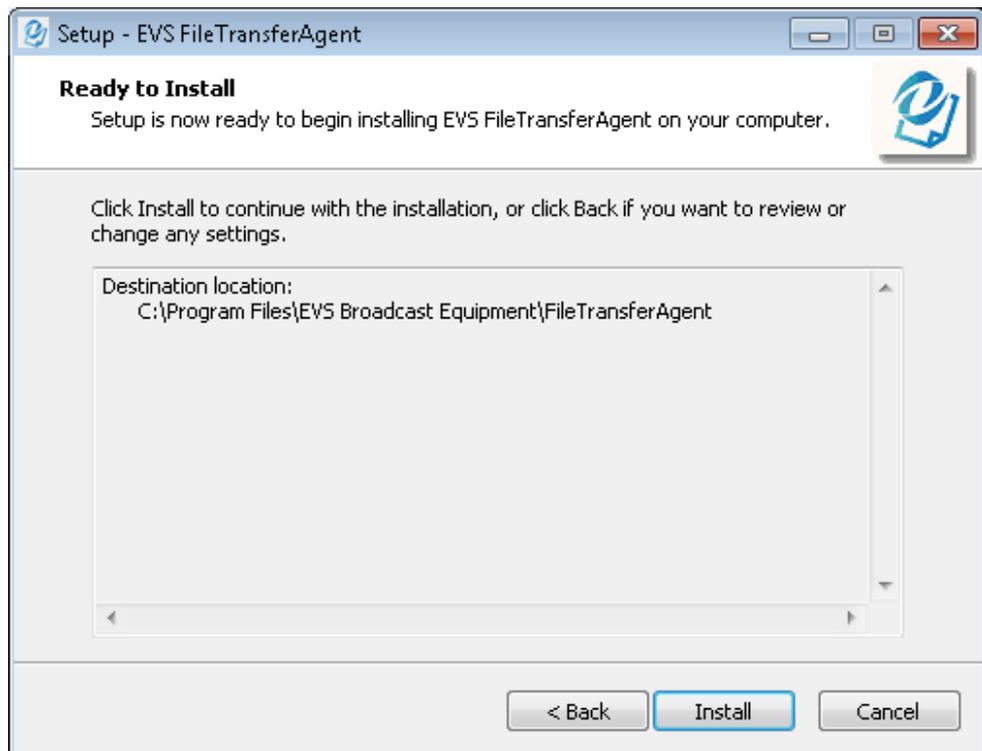
6. If you install the FTA for the first time, click Yes in the following message to confirm you want to create a new folder for the FTA.



7. In the Select Components window, both components, the FTA and AppGuard, need to be selected if AppGuard is not installed yet. Click **Next**.



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



9. When the installation is over, the Completing the Installation window opens. Click **Finish** in this window.

Once the installation is completed, the following application shortcuts have been created on the desktop:

FTA icon: 

When Xsquare is running, the FTA needs to be started. The small FTA icon in the notification area (right) of the taskbar is displayed when the application is open.

3. XSecure Management

Introduction

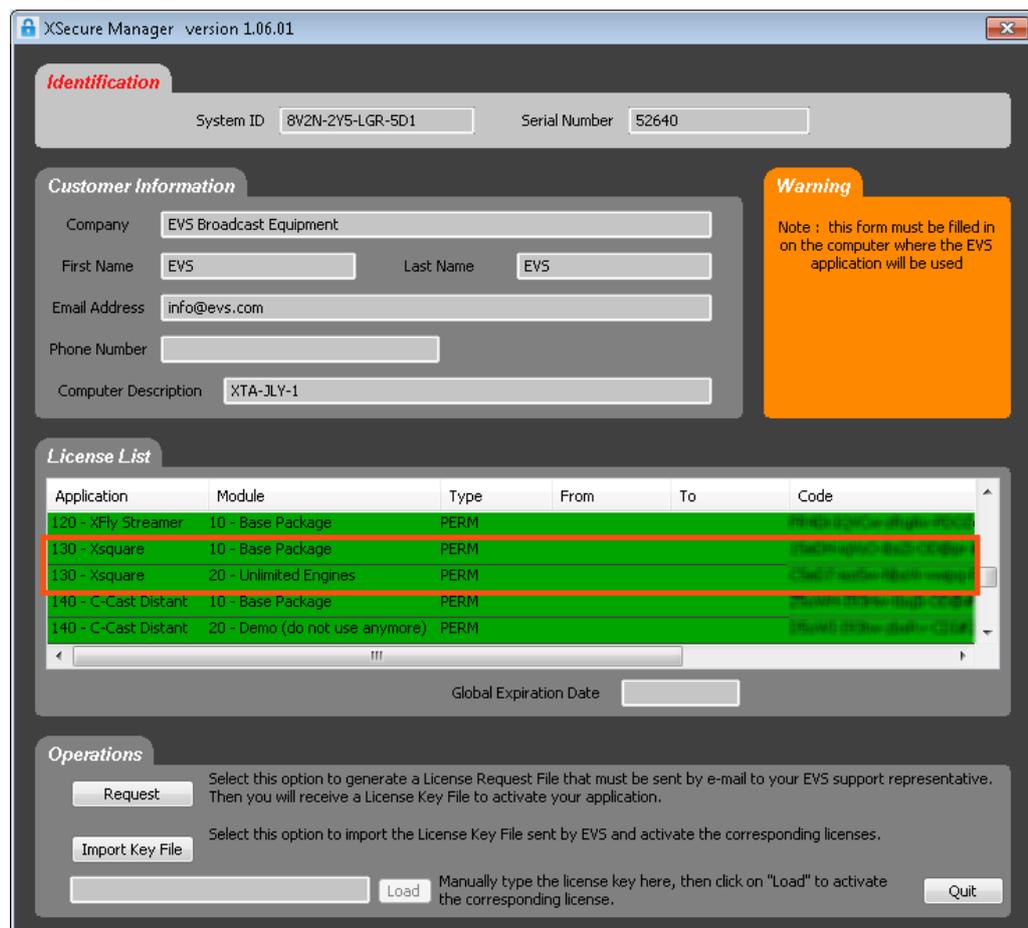
To be able to manage more than 4 XTAccess with Xsquare and to be able to have the Xsquare user rights, it is necessary to have an Xsquare license.

XSecure uses hardware information from the device where Xsquare is running. This means that it is impossible to exchange licenses or codes between devices.

XSecure licenses are also necessary for the Xsquare agents (XTAccess and FTA).

Please refer to the XSecure user manual to:

- Start XSecure Manager.
- Collect information about your device.
- Request a license key from the EVS support.
- Import new license keys.



List of Codes

Xsquare Application code 130

- Module 10 – Base Package: This module allows users to manage more than 4 XTAcess with Xsquare.
- Module 20 – Unlimited Engines: This module allows users to manage an unlimited number of XTAcess applications with Xsquare.

130 - Xsquare	10 - Base Package	PERM
130 - Xsquare	20 - Unlimited Engines	PERM

XTAcess Application code 60

- Module 10 – Base Package: This module allows users to use XTAcess agents with Xsquare.
- Module 20 – Transcoding: This module allows users to perform jobs including transcoding with Xsquare (and XTAcess).

60 - XTAcess	10 - Base Package	PERM
60 - XTAcess	20 - Transcoding	PERM

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