

# INSTALLATION MANUAL

## C-Cast Agent

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Version 3.5 - February 2017



**C-Cast** Agent







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# What's New ?

In the C-Cast Installation Manual, the icon **NEW !** has been added on the left margin to highlight information on new and updated features.

The changes linked to new features in version 3.5 are listed below.

## **Support of Windows 10**

- See section "Installation Overview" on page 3

## **Modified Installation Process**

- See section "Xsquare Suite Installation" on page 9
- See section "C-Cast Agent Suite Installation" on page 15

## **Modified Instance Name for SQL Server DB**

- See section "C-Cast Agent Suite Installation" on page 15





# 1. Product Description

## C-Cast Agent Application

C-Cast Agent is the hardware and software that manage the extraction and transfer of the requested A/V content from the venue premises to C-Cast Central.

The C-Cast Agent software is connected to the EVS servers network (XT/XS series) via PC LAN and gigabit networks. It automatically receives requests from the C-Cast Central to extract footage from the EVS servers. It needs to be connected to internet, or at least to have access to the C-Cast Central.

The C-Cast Agent relies on Xsquare and XTAccess for the actual file extraction.

## C-Cast Agent User Interface

The C-Cast Agent user interface serves two purposes:

- It makes it possible to easily set up the C-Cast Agent software on the venue, so that it can fulfill its extraction and transfer management role.
- It makes it possible to monitor that the services built in the C-Cast Agent application are running and operating properly.

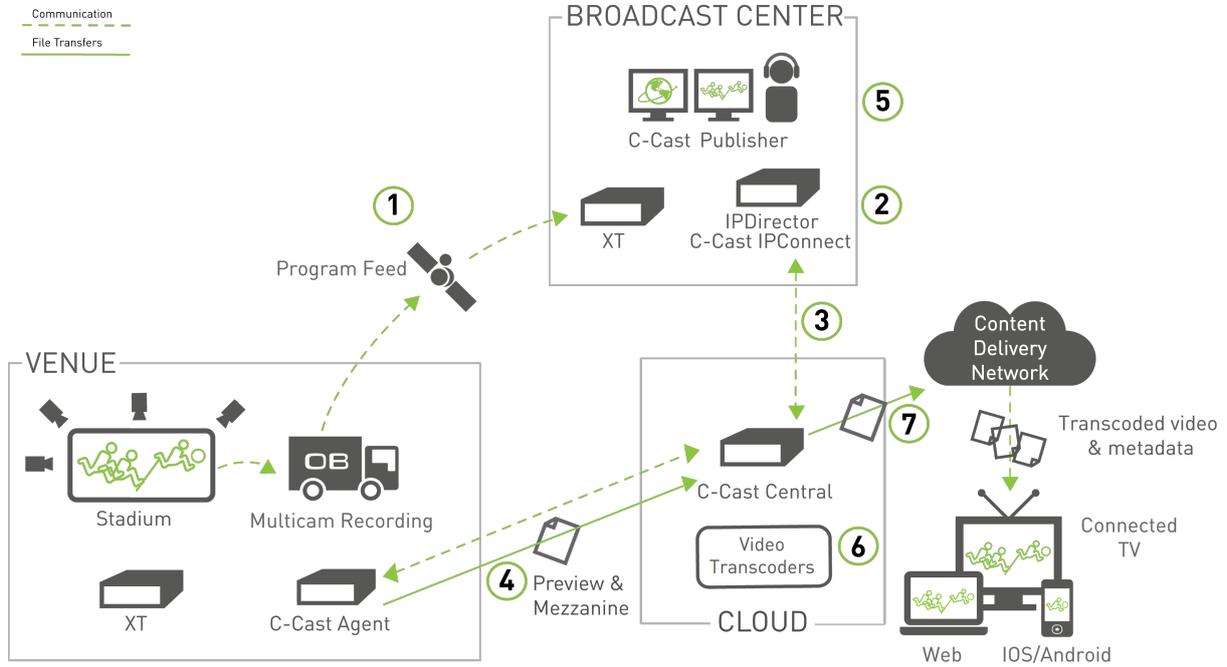
The actual management of extractions and transfers is fulfilled in the background by the C-Cast Agent services.

## C-Cast Agent Workflow

The C-Cast Agent installed on the venue premises plays a major role in the generation of files for the C-Cast workflow, as explained in step 4 of the following workflow.

1. From the OB production van at the venue, a reference program feed is sent back to an EVS server in the broadcast center.
2. In the broadcast center, the operator accesses, with IPDirector, the reference feed on which (s)he defines IN and OUT points to identify the media to be made available in C-Cast Publisher.
3. The media selection information (IN and OUT points, and metadata) is transmitted to the C-Cast Central via C-Cast IPConnect.
4. The C-Cast Central requests the C-Cast Agent to extract the media corresponding to the selection. The C-Cast Agent, and the underlying Xsquare service, extracts and transfers the preview files and mezzanine files to the C-Cast Central. Based on the configuration, all camera angles associated to the selected media are also generated as preview and mezzanine files.
5. In the broadcast center, the operator browses the preview files of all requested camera angles (video asset) in C-Cast Publisher. The operator validates the publication items and video assets (s)he wants to publish to viewers. In addition, the operator can send publications items to a target, for example a storage in the broadcast center.

6. The C-Cast Central requests the integrated cloud video transcoders to generate the requested output files.
7. The C-Cast Central exposes the output files to the viewers' applications.

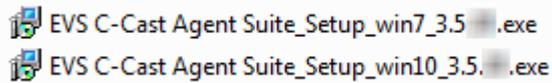


## 2. Installation

### 2.1. Installation Overview

#### **NEW !** Installation Package

For the C-Cast Agent suite installation, two executable files are provided one for **Windows 7**, and one for **Windows 10** workstations:



EVS C-Cast Agent Suite\_Setup\_win7\_3.5.exe  
EVS C-Cast Agent Suite\_Setup\_win10\_3.5.exe



#### **NOTE**

As the installation procedure is very similar on **Windows 7** and **Windows 10**, a single installation procedure has been documented. The steps that differ from between Windows 7 and Windows 10 are clearly pointed out in the procedure.

### Installation Steps

The installation of the C-Cast Agent suite encompasses the installation of the following applications:

- [First Installation Steps](#)
- [Xsquare Suite Installation](#)  
(including prerequisite software and SQL Server installation)
- [C-Cast Agent Suite Installation](#)

#### **NEW !**

When you upgrade the C-Cast Agent suite, the SQL Server installation will be skipped when no upgrade is required.

## 2.2. First Installation Steps

**NEW !****NOTE**

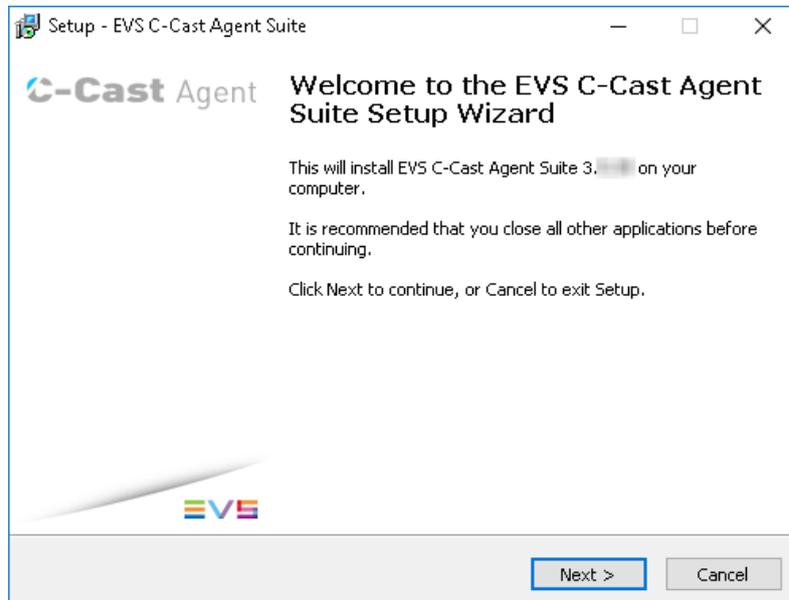
The first installation steps described below are very similar on **Windows 7** and **Windows 10**. It is clearly specified when a step is specific to an operating system. Screenshots have been made in Windows 10.

To start installing the C-Cast Agent Suite, proceed as follows:

1. Double-click the executable `EVS C-Cast Agent Suite_Setup_WinA_3.X.Y.exe` (where A stands for the Windows version, X for the minor version number of C-Cast, and Y for the build number of C-Cast).

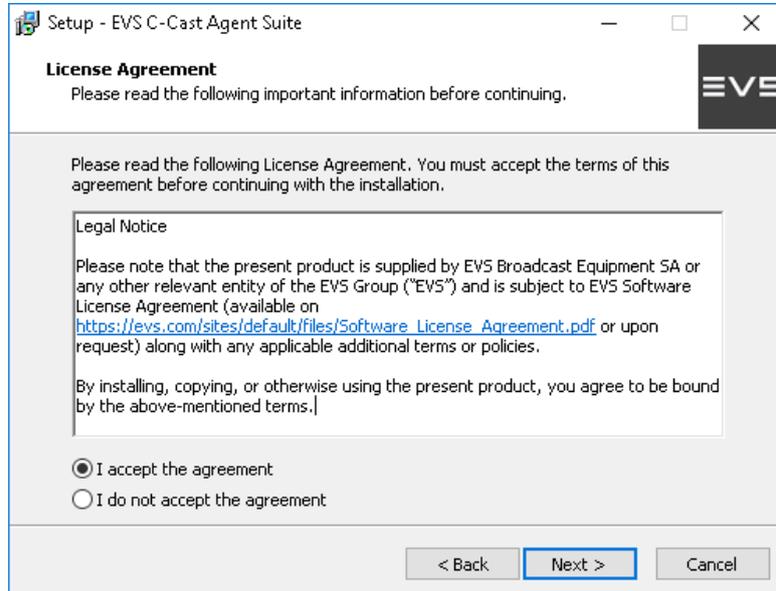
The Welcome dialog box opens.

Click **Next** in the Welcome dialog box.



2. The Setup Initialization window opens as installation files are being extracted.
3. The License Agreement dialog box opens.

After reading the license agreement, make sure **I accept the agreement** is selected, and click **Next**.

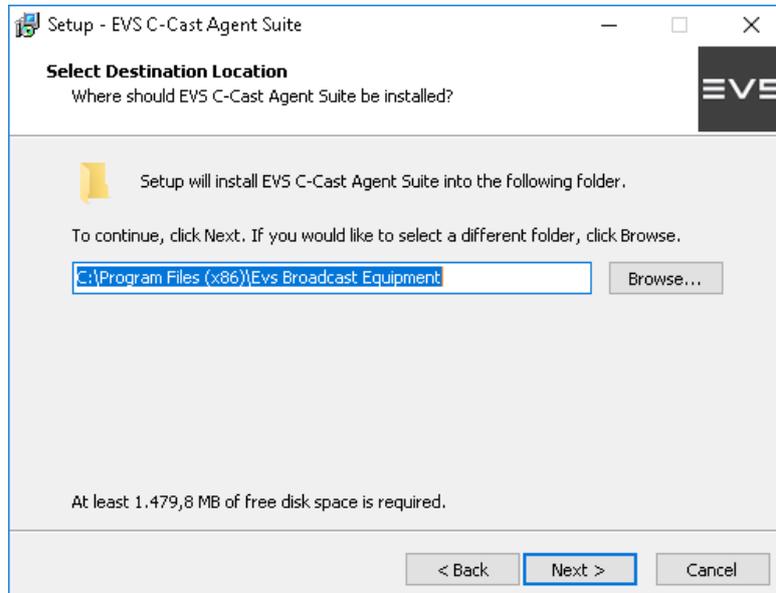


4. The Select Destination Location dialog box opens.

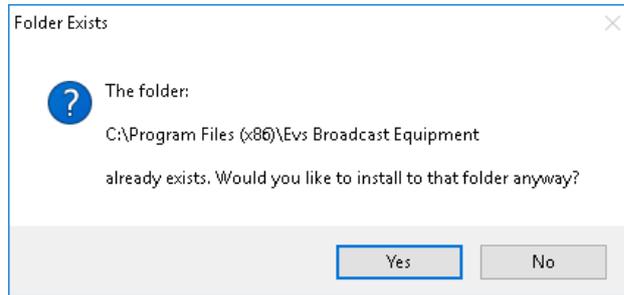
This dialog box specifies the default folder for installing C-Cast Agent.

If requested, click the **Browse** button, select another path where to install C-Cast Agent, then click **OK**.

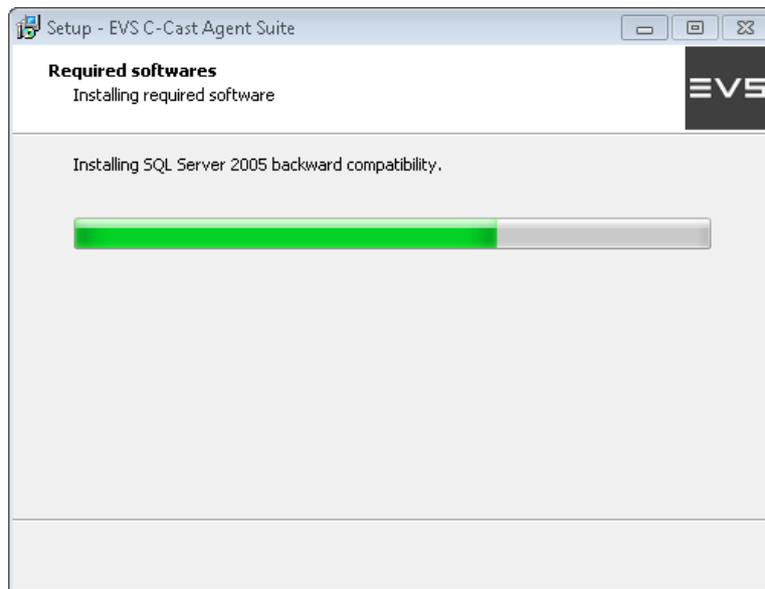
Click **Next**.



5. If the selected folder already exists, the following message appears.  
Click **Yes** to confirm you want to store the application in this folder.



6. On Windows 7, the following dialog box appears briefly and the components required to ensure backward compatibility with SQL Server 2005 are installed.

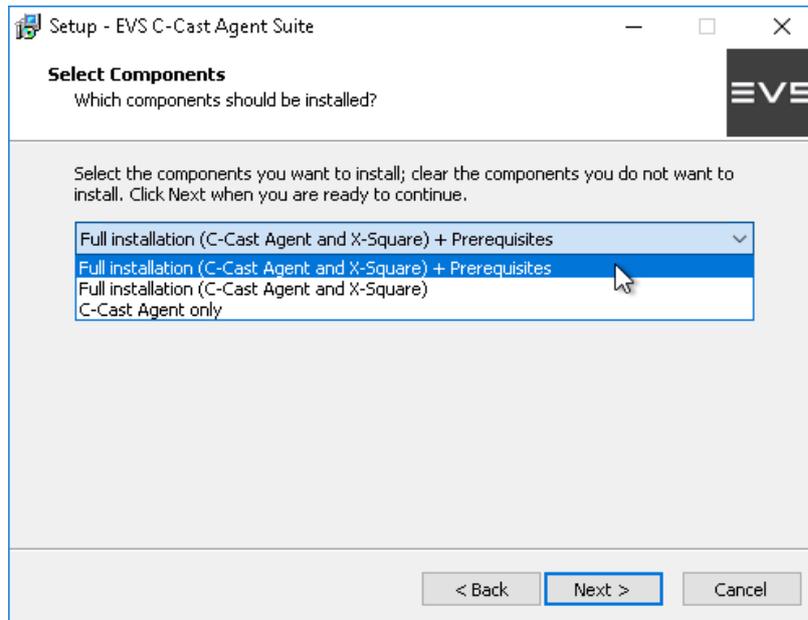


7. The Select Components dialog box opens.

This dialog box let you specify the installation type. You can select:

- the full installation including C-Cast Agent, Xsquare and required external components (Prerequisites);
- the full installation including C-Cast Agent and Xsquare;
- the installation of C-Cast Agent only.

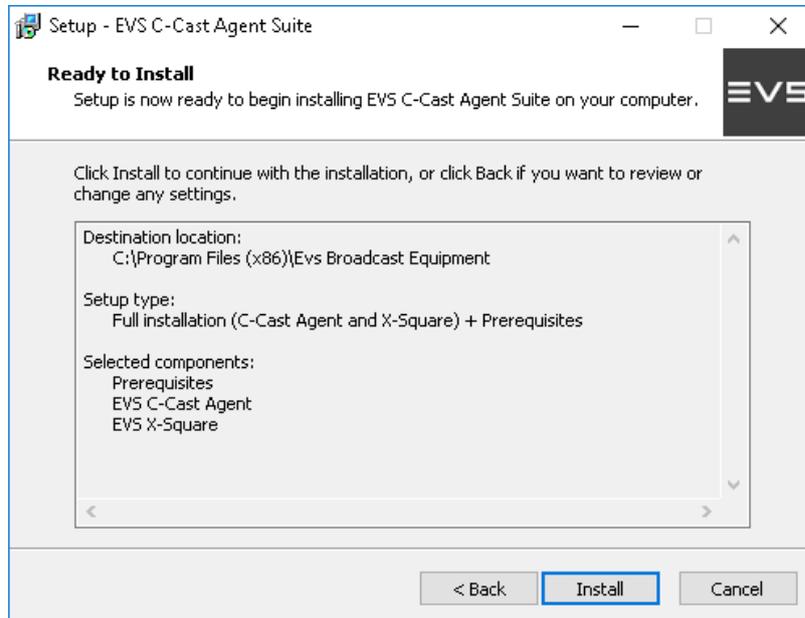
Click **Next**.



8. The Ready to Install dialog box opens. It summarizes the installation settings:

Click **Install**.

Otherwise, click **Back** and modify the requested settings.



[Click this sentence to jump to the next installation steps](#), described in the section "Xsquare Suite Installation" on page 9.

## 2.3. Xsquare Suite Installation

### Introduction

The Xsquare Suite installation is automatically launched after the initial installation steps. It includes two sets of applications or services to install.

- The **software requirements** are checked at each installation and the prerequisite software is installed or upgraded when necessary.

**NEW !**

This includes, among others, MS .NET Framework, SNMP, and SQL Server.

- The **EVS software systems** that are part of the Xsquare suite are automatically updated at each installation.

**NEW !**

This includes, among others, XTAcess, Xsquare, Xsquare Association Tool and XTGateway. A full Xsquare installation as a standalone setup is performed.

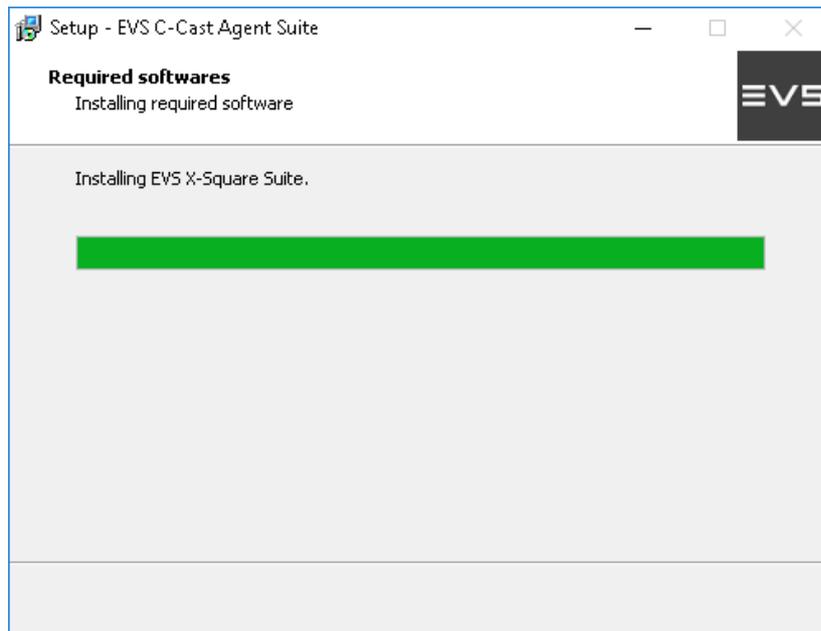


#### NOTE

This Xsquare installation process is done automatically. The procedure is mainly intended for information's sake.

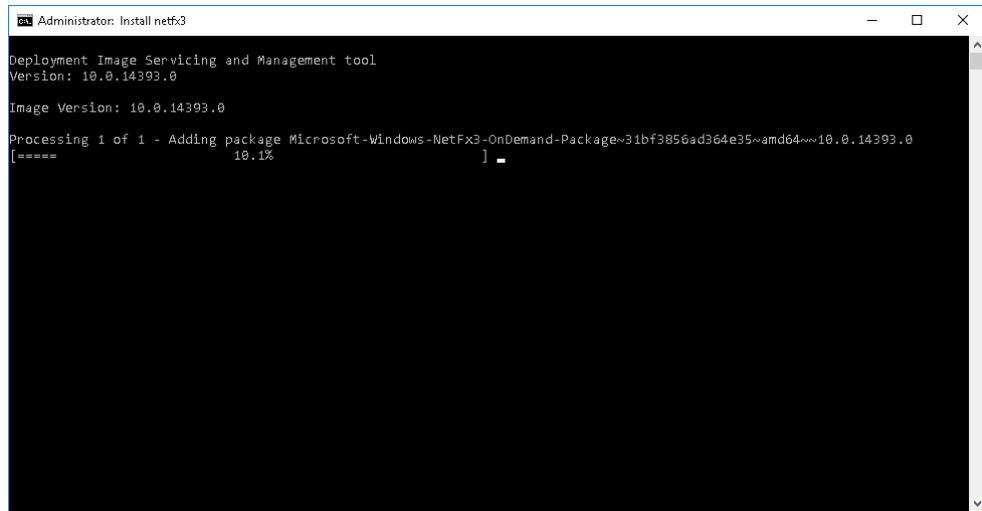
### Prerequisite Software Installation

1. After the initial installation steps, the EVS C-Cast Agent Suite installer proceeds to the installation of prerequisite software and the Xsquare suite:

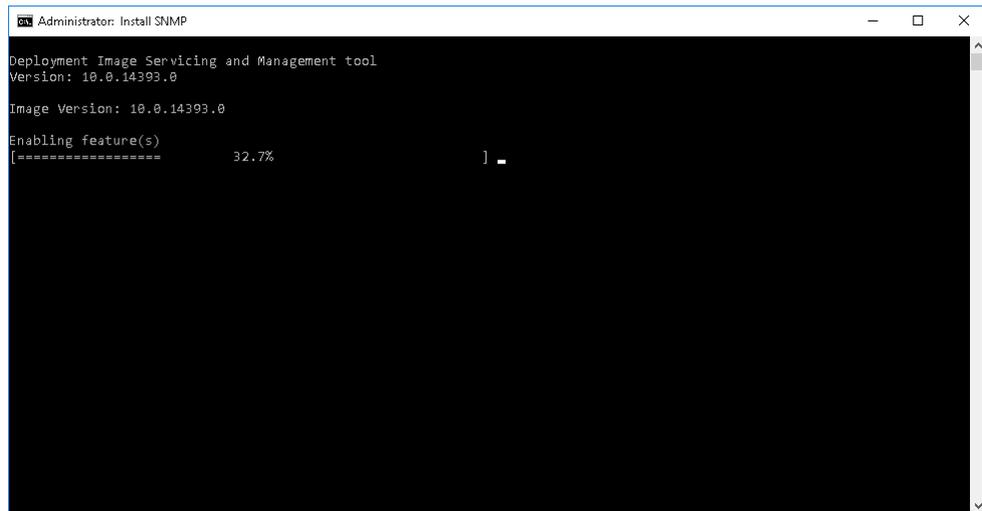


You will see screenshots similar to the following ones displayed as the prerequisite software are being installed.

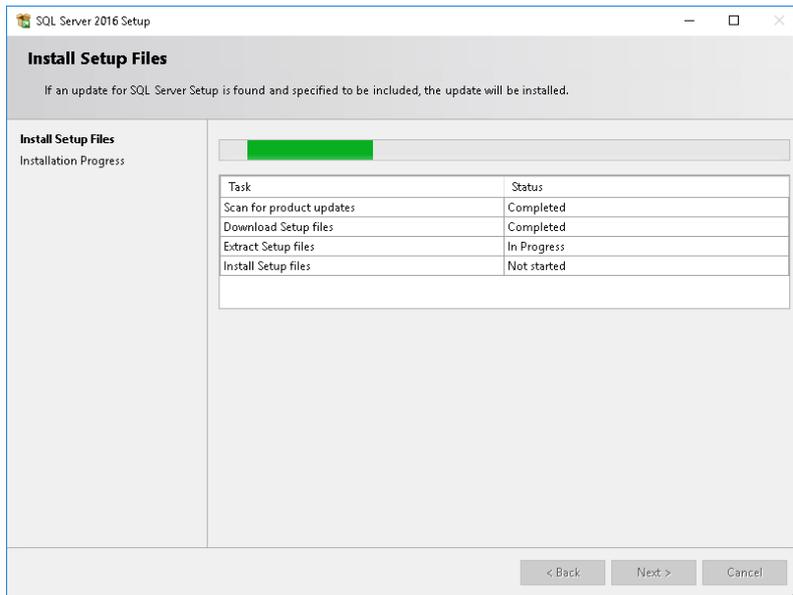
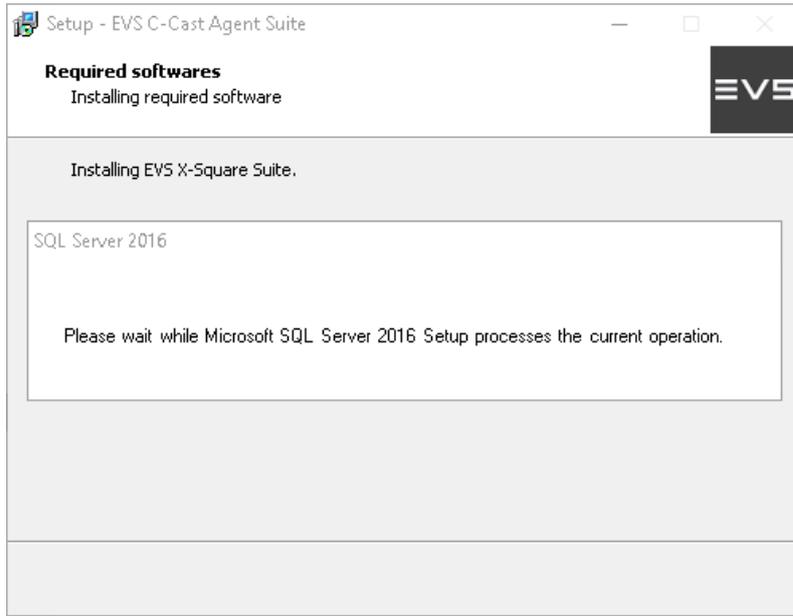
These are mainly .NET Framework:

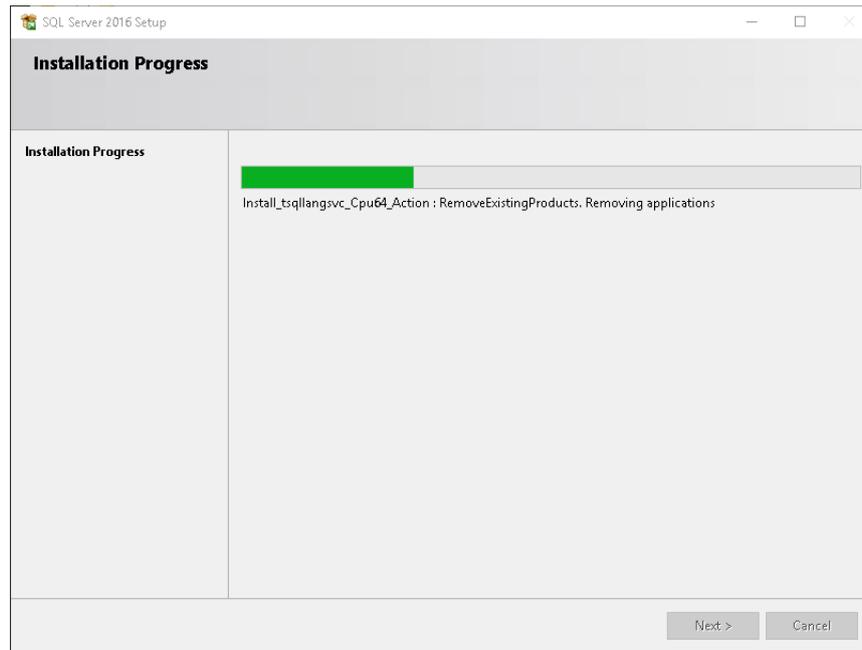


SNMP:

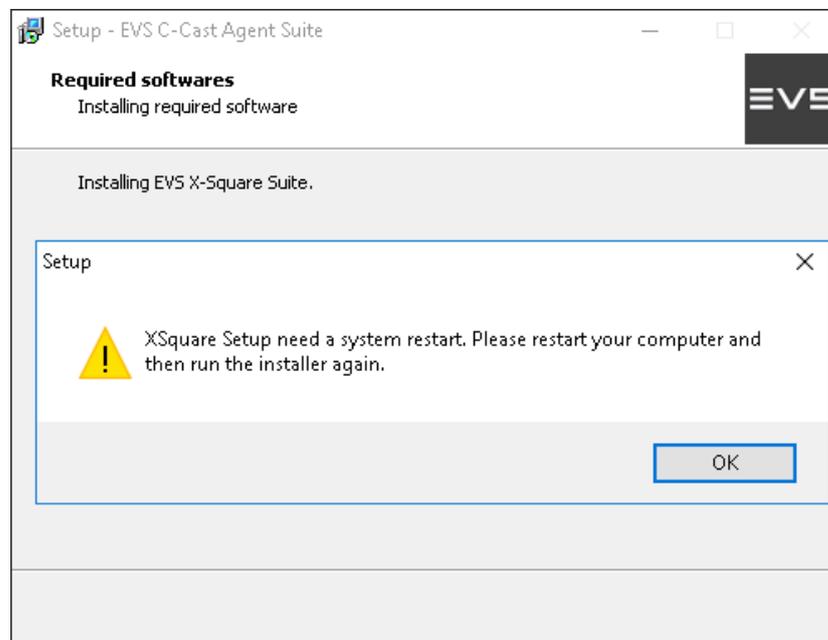


and SQL Server 2008 (on Windows 7) or 2016 (on Windows 10)





2. When the required prerequisite software has been installed:
  - In **Windows 7**, the installation wizard directly starts installing the EVS software. See section "EVS Software Installation" on page 13.
  - In **Windows 10**, you are requested to restart your computer at this stage and to launch again the installation wizard. This will guide you again through the initial installation steps, as well as Xsquare installation steps.



## EVS Software Installation

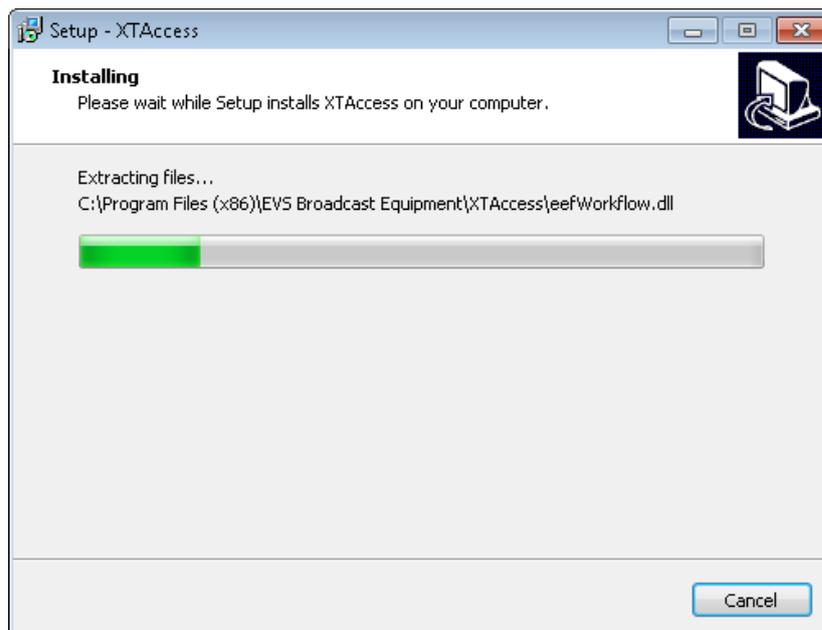
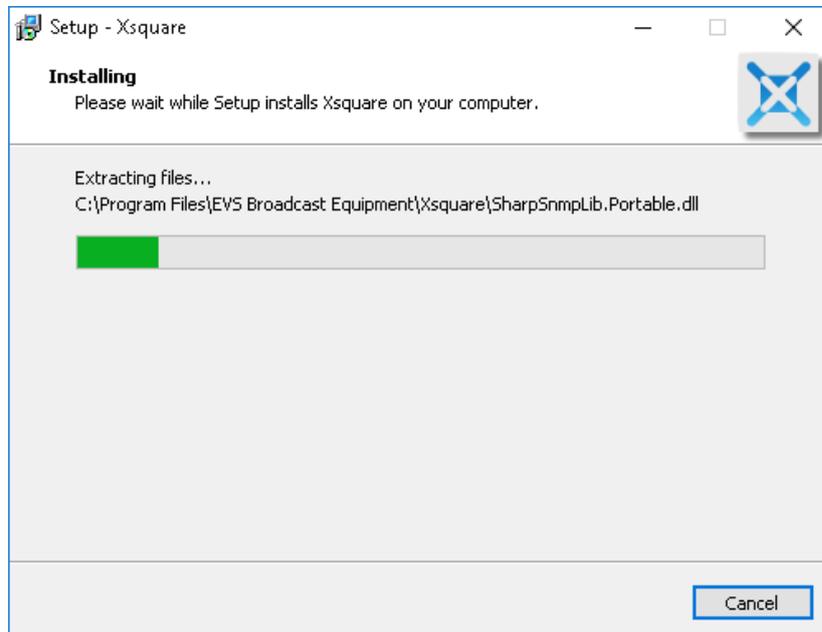


**NOTE**

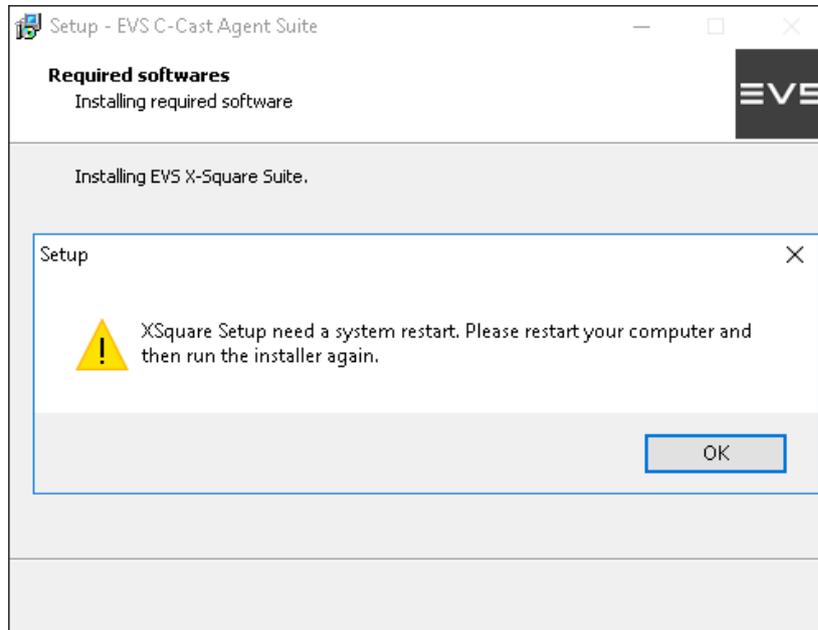
If your computer runs Windows 10, you should have been requested to restart your computer and relaunch the setup wizard before you reach this step.

1. After installing the prerequisite software, the EVS C-Cast Agent Suite installer installs the Xsquare software suite.

You will see several windows displayed corresponding to the various software components of the Xsquare suite, among others the Xsquare and XTAccess installation:



2. Once the whole Xsquare suite components have been installed, you are requested to restart your computer at this stage and to launch again the installation wizard. This will lead you again through the initial installation steps, as well as Xsquare installation steps:



When you have restarted your computer and launched again the installation wizard, the C-Cast Agent installation wizard can proceed to the SQL Configuration, and then install the C-Cast Agent components.

See section "C-Cast Agent Suite Installation" on page 15 for more details.

## 2.4. C-Cast Agent Suite Installation

### Introduction

Once the installation of the Xsquare suite have been completed, you have been requested to restart your computer and relaunch the setup wizard before you reach this step.

In this part of the installation process, the C-Cast Agent installer allows you to configure SQL Server DB and it finalizes the installation process.

### Procedure

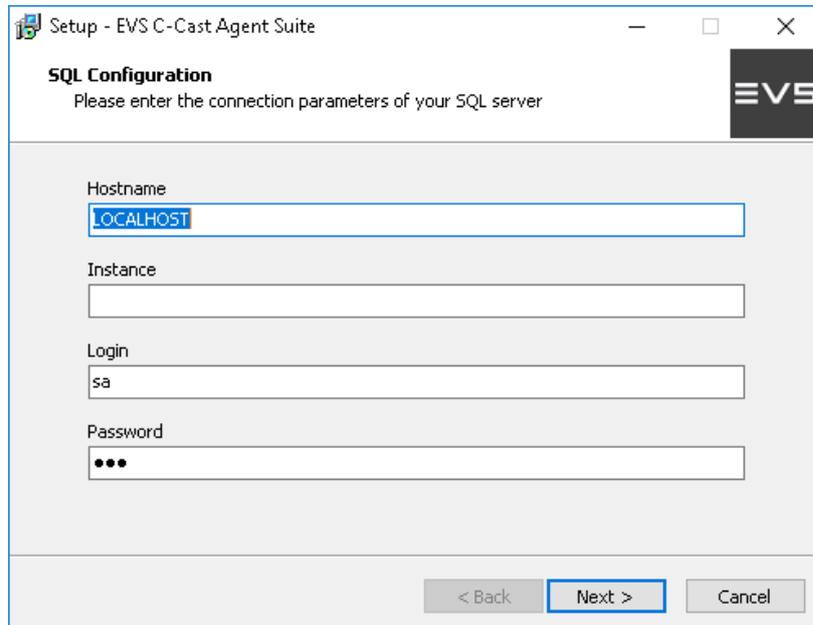
1. Once you have restarted the computer and gone again through the setup wizard, the SQL Configuration dialog box opens and prompts you to enter the credentials to connect to the SQL server database.

Fill in the fields as specified below, using the default login **sa** and password.

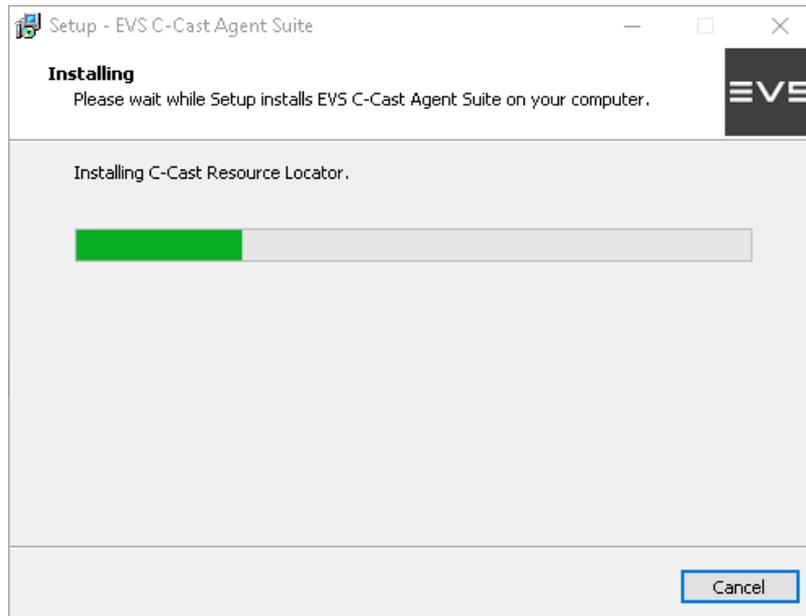
On Windows 7, type `MSSQLSERVER2008` in the **Instance** field.

**NEW !**

On Windows 10, keep the **Instance** field empty as the default instance (`MSSQLServer`) is used.



- The C-Cast Agent installer then proceeds to the installation of C-Cast Agent itself. The **Installing** dialog box displays the component being installed, and a progress bar for this component.



- When the C-Cast Agent suite has been installed, the last dialog box is displayed: Click **Finish**.



The C-Cast Agent suite is installed.

After the installation:



- A C-Cast Agent icon has been added to the desktop 
- The C-Cast Agent application is accessible via the **Start** button > **All Programs** > **EVS Broadcast Equipment** > **C-Cast Agent** > **C-Cast Agent**.
- A C-Cast Agent icon  has been added on the right of the taskbar. When you right click on it, you can access the C-Cast Agent menu.

Refer to the C-Cast Agent user manual for more information on how to use C-Cast Agent.





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