INSTALLATION MANUAL C-Cast Agent

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.
- 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.
- -BROADCAST CENTER-Communication File Transfers (5) C-Cast Publisher (1)2 IPDirector C-Cast IPConnect XT Program Feed ▲ 3 Content Delivery VENUE Network 7 Transcoded video & metadata ОВ \mathbf{O} -Cast Central Stadium Multicam Recording Connected 6 Video ΤV Transcoders 4 Preview & Mezzanine C-Cast Agent CLOUD ХT Web IOS/Android
- 7. The C-Cast Central exposes the output files to the viewers' applications.



2. Installation

2.1. Installation Overview



Installation Package

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

BVS C-Cast Agent Suite_Setup_win7_3.5 .exe VS 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
- <u>Xsquare Suite Installation</u> (including prerequisite software and SQL Server installation)
 - C-Cast Agent Suite Installation

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:

 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**.

👸 Setup - EVS C-Cast Agent Suite	_		×
License Agreement Please read the following important information before continuing.		=	≣∨5
Please read the following License Agreement. You must accept the agreement before continuing with the installation.	terms of	this	_
Legal Notice			
Please note that the present product is supplied by EVS Broadcast any other relevant entity of the EVS Group ("EVS") and is subject to License Agreement (available on <u>https://evs.com/sites/default/files/Software_License_Agreement.r</u> request) along with any applicable additional terms or policies. By installing, copying, or otherwise using the present product, you by the above-mentioned terms.]	Equipmer :o EVS Sol p <u>df</u> or upo 1 agree to	nt SA or ftware on be bound	ł
 I accept the agreement I do not accept the agreement 			
< Back Ne	×t >	Car	ncel

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.

뤻 Setup - EVS C-Cast Agent Suite	_		×
Select Destination Location Where should EVS C-Cast Agent Suite be installed?			≣∨s
Setup will install EVS C-Cast Agent Suite into the following f	older.		
To continue, click Next. If you would like to select a different folder,	click Br	owse.	
C:\Program Files (x86)\Evs Broadcast Equipment	В	rowse	
At least 1.479,8 MB of free disk space is required.			
< Back Next	:>	Car	ncel

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.

🔀 Setup - EVS C-Cast Agent Suite	
Required softwares Installing required software	≡∨₅
Installing SQL Server 2005 backward compatibility.	



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.

뤻 Setup - EVS C-Cast Agent Suite	_		×
Select Components Which components should be installed?		=	IVS
Select the components you want to install; clear the components install. Click Next when you are ready to continue.	you do not	want to	_
Full installation (C-Cast Agent and X-Square) + Prerequisites		~	·
Full installation (C-Cast Agent and X-Square) + Prerequisites Full installation (C-Cast Agent and X-Square) (C-Cast Agent only	2		
< Back N	lext >	Can	cel

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

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

🞲 Setup - EVS C-Cast Agent Suite —		×
Ready to Install Setup is now ready to begin installing EVS C-Cast Agent Suite on your compute	r.	≡∨s
Click Install to continue with the installation, or click Back if you want to review change any settings.	or	
Destination location: C:\Program Files (x86)\Evs Broadcast Equipment		~
Setup type: Full installation (C-Cast Agent and X-Square) + Prerequisites		
Selected components: Prerequisites EVS C-Cast Agent EVS X-Square		
<	>	v
< Back Install	Ca	incel

<u>Click this sentence to jump to the next installation steps</u>, 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, XTAccess, 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:

🔤 Administrator: Install SNMP			-	×
Deployment Image Servicing an Version: 10.0.14393.0	d Management tool			Â
Image Version: 10.0.14393.0				
Enabling feature(s) [====================================	2.7%] _		
				\sim



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

🛃 Setup - EVS C-Cast	Agent Suite			-	
Required software	25				
Installing required	l software				$= \lor =$
Installing EVS X-S	quare Suite.				
SOL Server 2016					
Please wait while	Microsoft SQL Server 2016 S	Setup processe	es the cu	rrent operati	ion.
to SQL Server 2016 Setup				-	L ×
Install Setup Files					
IT an update for SQL Server Set	up is round and specified to be included, t	the update will be inst	talled.		
Install Setup Files					
Installation Progress					
	Task	Statu	\$		
	Scan for product updates	Comp	oleted		
	Download Setup files	Comp	oleted		
	Extract Setup files	In Pro	gress		
	Install Setup files	Not st	tarted		
			< Back	Next >	Cancel

📸 SQL Server 2016 Setup		-		
Installation Progress				
Installation Progress				
	Install_tsqllangsvc_Cpu64_Action : RemoveExistingProducts. Removing applications			
	Next	>	Cance	1

- 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.

Betup - EVS C-Cast Agent Suite — □ Required softwares Installing required software ■	×
Installing EVS X-Square Suite.	
Setup XSquare Setup need a system restart. Please restart your computer and then run the installer again.	×
ОК	



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 installtion:

👸 Setup - Xsqu	iare —	
Installing Please wai	it while Setup installs Xsquare on your computer.	$\underline{\mathbb{X}}$
Extracting C:\Program	files m Files\EVS Broadcast Equipment\Xsquare\SharpSnmpLib.Portable.dl	
		Cancel
🔂 Setup - XTA	ccess	- • •
Setup - XTA Installing Please wa	it while Setup installs XTAccess on your computer.	
JS Setup - XTA	it while Setup installs XTAccess on your computer.	

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:

👸 Setup - E	VS C-Cast Agent Suite	_		\times
Requirec Installi	i softwares ng required software		≡	VS
Installi	ng EVS X-Square Suite.			
Setup	XSquare Setup need a system restart. Please restart you then run the installer again.	ır comp	uter and	×
			ОК	

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.

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

😽 Setup - EVS C-Cast Agent Suite	_	
SQL Configuration Please enter the connection parameters of your SQL serve	r	≡∨₅
Hostname LOCALHOST		
Instance		
Login sa		
Password •••		
< Back	Next >	Cancel

NEW !

2. 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.

🔂 Setup - EVS C-Cast Agent Suite —		\times
Installing Please wait while Setup installs EVS C-Cast Agent Suite on your computer.		≡∨s
Installing C-Cast Resource Locator.		
	Ca	ncel

3. 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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