



ENOVIA SmarTeam

**DS Viewer Server
Installation Guide**

© Dassault Systèmes, 2004, 2010. All rights reserved.

CATIA, ENOVIA, SMARTEAM and the 3DS logo are registered trademarks of Dassault Systèmes or its subsidiaries in the US and/or other countries.

PROPRIETARY RIGHTS NOTICE: This documentation is the property of Dassault Systèmes. This documentation shall be treated as confidential information and may only be used by employees or contractors of the Customer in accordance with the terms of the End-User License Agreement accepted by Customer.

Any use of the Licensed Program contained in this media or accompanying it, is subject to the terms of the End User License Agreement accepted by Customer. The Licensed Program is protected by international copyright laws and international treaties. Unauthorized use, reproduction and/or distribution of any of the Licensed Program, or any part thereof, may result in severe civil and/or criminal penalties, and will be prosecuted to the maximum extent possible under the law. Company names and product names mentioned herein are the property of their respective owners and certain portions of the Licensed Program contain elements subject to copyright owned by these entities. See the Documentation CD provided with the Licensed Program for details and/or additional terms and conditions relating to these entities.

Part No: VWR-I5-200010

Table of Contents

Chapter 1: Introduction	1
Overview	1
Software Location	1
Related Documentation	1
Internet Site	2
Chapter 2: Installation Checklist	3
Chapter 3: System Requirements	4
Hardware and Software Requirements	4
Order of Installation	4
Prerequisites	5
Installation Environment	5
Supported Application Servers	5
Chapter 4: Installation Process	7
Installing DS Viewer Server	7
Installation by Administrator	7
Running the Installation	7
Chapter 5: Post Installation	11
System Configuration Key	11
Enabling the DS Viewer Server	11
Microsoft® Installer	12
What Next?	12
Chapter 6: Troubleshooting	13
Repair/Uninstall	13
Uninstall	14
IIS Application Pool for the DSViewerServer Application	14
Set IIS ASP.NET Version	15
Update Plug-in Viewer	17
Chapter 7: DS Viewer Server Silent Installation	18
Overview	18
Command-Line Operation	18

Command-Line Format	18
Command-Line Properties	19
Values for ADDLOCAL Parameter	21

Chapter 1: Introduction

Overview

This guide provides all the information necessary for the SmarTeam System Administrator to install the DS Viewer Server Software on a designated server.

DS Viewer Server is a Java-based solution that provides a markup support for viewer for SmarTeam applications, such as SmarTeam – Editor or SmarTeam – Web Editor. DS Viewer enables users to view and perform markup operations on documents, drawings and CATIA files within SmarTeam – Editor and SmarTeam – Web Editor.

Software Location

The installation procedures described in this document is for the DS Viewer Server software, which is available on the SmarTeam DVD-ROM .

Related Documentation

The following documentation, which is available on the SmarTeam Program Directory, is referred to in this guide.

Name of Document	Remarks
Introduction to SmarTeam Installation	It is recommended that you read this document thoroughly and plan your topology prior to installing your SmarTeam configuration or products
Hardware and Software Requirements	Details the hardware and software required for a successful installation
SmarTeam – Editor Installation Guide	You must install SmarTeam - Editor before you install the DS Web Viewer
SmarTeam – DS Viewer User Guide	It is recommended that you read this document.
SmarTeam System Configuration Services	It is recommended that you read this document for information about system configuration services.

Internet Site

You are highly recommended to frequently visit our website for the latest updates and plug-in products, including the latest Service Packs, Program Directory (Release Notes) Hotfixes and technical support at <http://www.3ds.com/support>.

In addition, you will also be able to view any installation known issues.

Chapter 2: Installation Checklist

You must complete all the stages in the following checklist to successfully install DS Viewer Server.

*Requirement: M = Mandatory, O = Optional

<input type="checkbox"/>	Item	M/O*	Reference
Stage 1: Pre-Installation			
<input type="checkbox"/>	Verify that your Hardware & Software meet the requirements	M	Hardware and Software Requirements Guide
<input type="checkbox"/>	Verify that IIS exists and runs on your computer	M	Supported Application Servers
<input type="checkbox"/>	Verify that SmarTeam - Editor exists and runs on your computer	M	Check the Start, Programs list to verify that SmarTeam - Editor is installed on your computer.
Stage 2: Installation Process			
<input type="checkbox"/>	Run DS Viewer Server installation	M	Installing DS Viewer Server
Stage 3: Post Installation			
<input type="checkbox"/>	Change System Configuration Keys	M	System Configuration Key

Chapter 3: System Requirements

Hardware and Software Requirements

Refer to the DS Viewer Server installation sections in the Hardware and Software Requirements document. This document provides details of the hardware and software required for successful installation of the DS Viewer Server application.

Order of Installation

Refer to Chapter 2: Installation Checklist for a detailed list of all the steps that need to be performed.

The installation procedure is split into three stages:

Stage 1: Pre-Installation ([Chapter 3, System Requirements](#) - the current chapter)

Stage 2: Installation Process ([Chapter 4, Installation Process](#))

Stage 3: Post-Installation ([Chapter 5, Post Installation](#))

For a successful installation you must complete one stage before proceeding to the next stage.

Notes:

- After you have completed all the stages you can start working with DS Viewer Server
- Microsoft Visual C++ 2005 SP1 Redistributable Package (x86) component should be installed on a remote machine (SmarTeam not installed) while browsing to DS Viewer. See [Microsoft](#)
- Web Service Extensions ASP.NET must be set to **Allowed** before installing DS Viewer Server

Prerequisites

Verify that Microsoft .NET Framework 3.5 is installed on the DS Viewer Server machine.

Installation Environment

An explanation of the DS Viewer Server Installation Environment can be found in the Introduction to SmarTeam Installation document under the Web Applications chapter. This document is available on the Documentation CD.

Supported Application Servers

The DS Viewer Server supports the Microsoft Internet Information Services (IIS). Before you start the installation process, verify that IIS runs successfully on your machine by checking that the World Wide Web Publishing Service is running.

Microsoft Internet Information Services (IIS)

You use IIS as your application server, verify that it exist on your system. IIS is automatically installed on your when you install Windows 2000. It is not included with Windows 2003.

Windows 2003 Configuration

A special configuration is required if you have Windows 2003 on your system. Review all the cases provided that follow in order to determine which applies to you.

Case 1:

If you have Windows 2003 and IIS does not exist on your system, perform this procedure.

- 1 Add the **Application Server** role:
 - Select Start, Settings, Control Panel, Administrative Tools, Configure Your Server Wizard
- 2 In the Welcome to Configure Your Server Wizard window, click **Next**.
- 3 In the Preliminary Steps window, click **Next**.
- 4 In the Server Role window, select Application server (IIS, ASP.NET) and click **Next**.
- 5 In the Application Server Options window, select the **Enable ASP.NET** checkbox and click **Next**.
- 6 In the IIS Services Manager, go to the Web Service Extensions:
 - Select Server Side Includes and click **Allow**
 - Verify that the ASP.NET status is set to Allowed

Case 2:

If you have Windows 2003 and IIS exists on your system perform this procedure.

- n Verify that the IIS Services Manager, Web Service Extensions are configured as follows:
 - The Select Server Side Includes is set to **Allow**
 - The ASP.NET is set to **Allow**

Case 3:

The DS Viewer Server user is automatically added to the local IIS_WPG group during the installation process. If you plan to use a domain user as the DS Viewer Server user, you must ensure that the user who is logged in to Windows and running DS Viewer Server (user with administrative privileges) also has domain user authorization. This is mandatory in order to add the domain user to the local IIS_WPG group

Chapter 4: Installation Process

Installing DS Viewer Server

This chapter provides a step-by-step description of the installation process for installing DS Viewer Server Software. It should be installed on a dedicated server networked with the specific SmarTeam Web Server applications i.e. SmarTeam – Web Editor.

Buttons

These buttons are available at the bottom of the installation windows:

- **Next:** Confirms your selection in the current window and proceeds to the next window
- **Back:** Allows you to return to the previous window
- **Cancel:** Allows you to abort the installation setup program without installing SmarTeam – DS Viewer Server

Installation by Administrator

All SmarTeam products must be installed by a user with Administrator authorization. Depending on the SmarTeam products and tools that are selected for installation, a system message may appear at the end of the installation process, prompting the user to reboot. This indicates that the installation of some components will be completed only after the reboot.

If this occurs, the user who performed the installation with local Administrator rights must log into the system after the reboot.

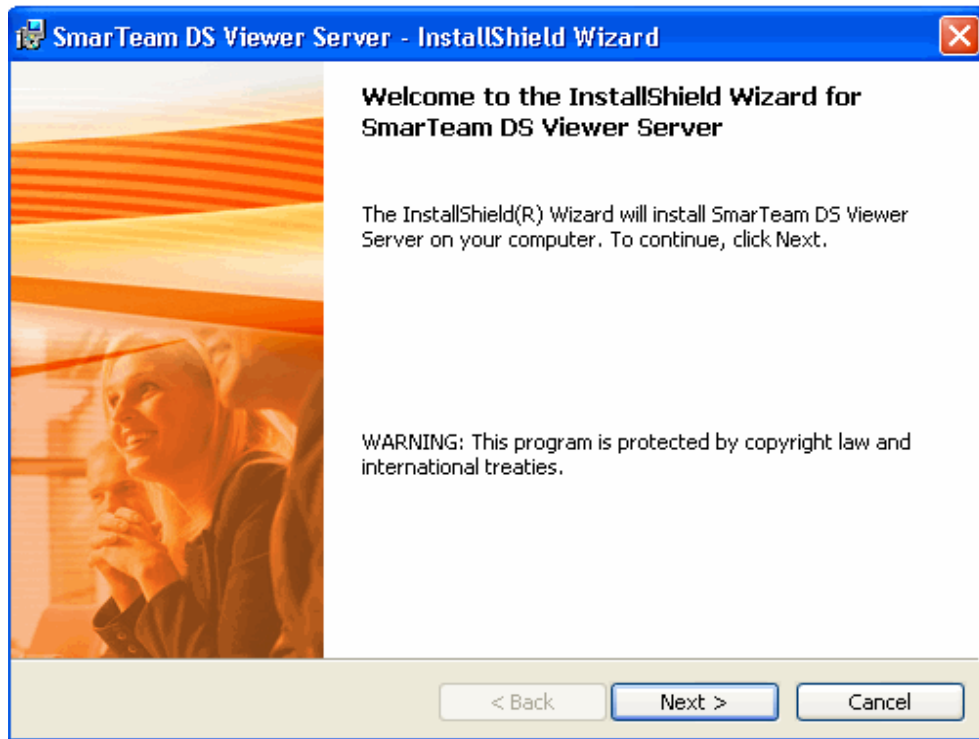
Notes:

- If the installation process does not support your Operating System (OS), this message will be displayed:
"The Operating System configuration does not meet the minimum requirements for this type of installation. Please refer to the SmarTeam Hardware and Software Requirements Guide for more information. Would you like to continue with the installation anyway?"
- To run SmarTeam installation as a different user than the currently-logged on user, you can use **Run As** option.
 - a** Right click **Install.exe**
 - b** Select **Run as**
 - c** In the **Run As** window select **The following user** radio button
 - d** Enter **Administrator user name** and **password**
 - e** Click **OK**

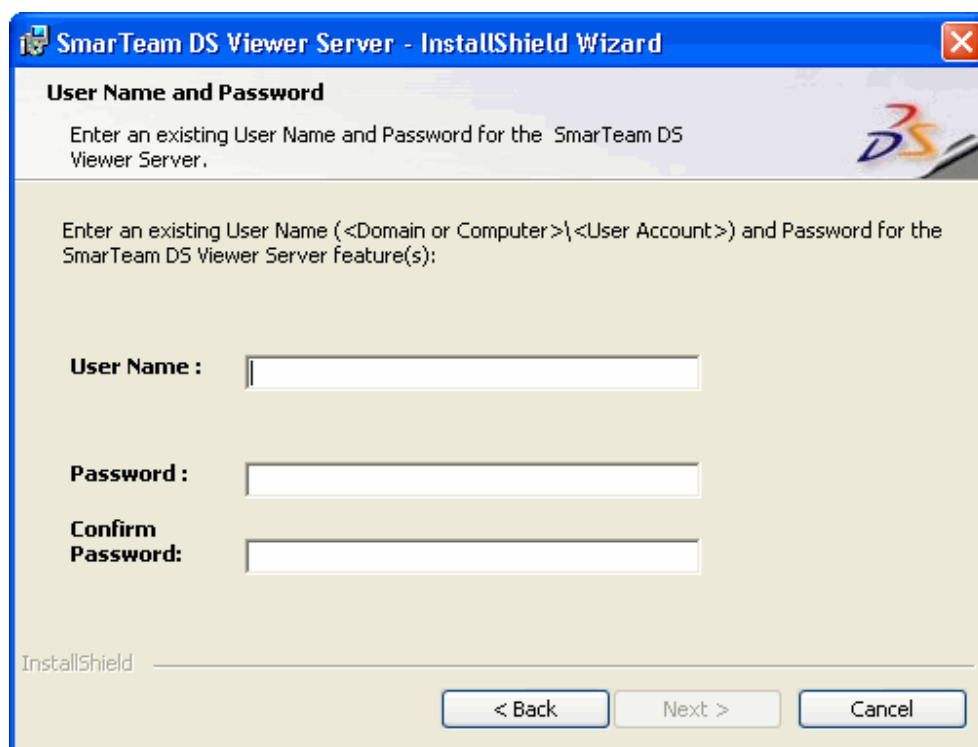
Running the Installation

To begin installing:

- 1 From the path: Kits\DS Viewer Server\Setup, run **Setup.exe** located on the DS Viewer Server Software CD (Service Pack CD in the SmarTeam CD Package).
- 2 If the DS Viewer Server installation software does not detect J# for .NET Framework 3.0 on your machine, DS Viewer Server automatically installs it.
- 3 In the DS Viewer Server Welcome window, click **Next**.



- 4 In the DS Viewer Server User Name and Password window:
 - Enter your user name and password to run the DS Viewer Server.
 - **Username:** This user must be part of the local IIS_WPG group on the Viewer Server machine. During the DS Viewer Server installation process, the user is added to the local IIS_WPG group automatically.
 - **Password:** Enter an appropriate password for the selected user name
 - **Confirm Password:** Enter the password again for the process to confirm your password
 - Click **Next**



SmarTeam DS Viewer Server - InstallShield Wizard

User Name and Password

Enter an existing User Name and Password for the SmarTeam DS Viewer Server.

Enter an existing User Name (<Domain or Computer>\<User Account>) and Password for the SmarTeam DS Viewer Server feature(s):

User Name :

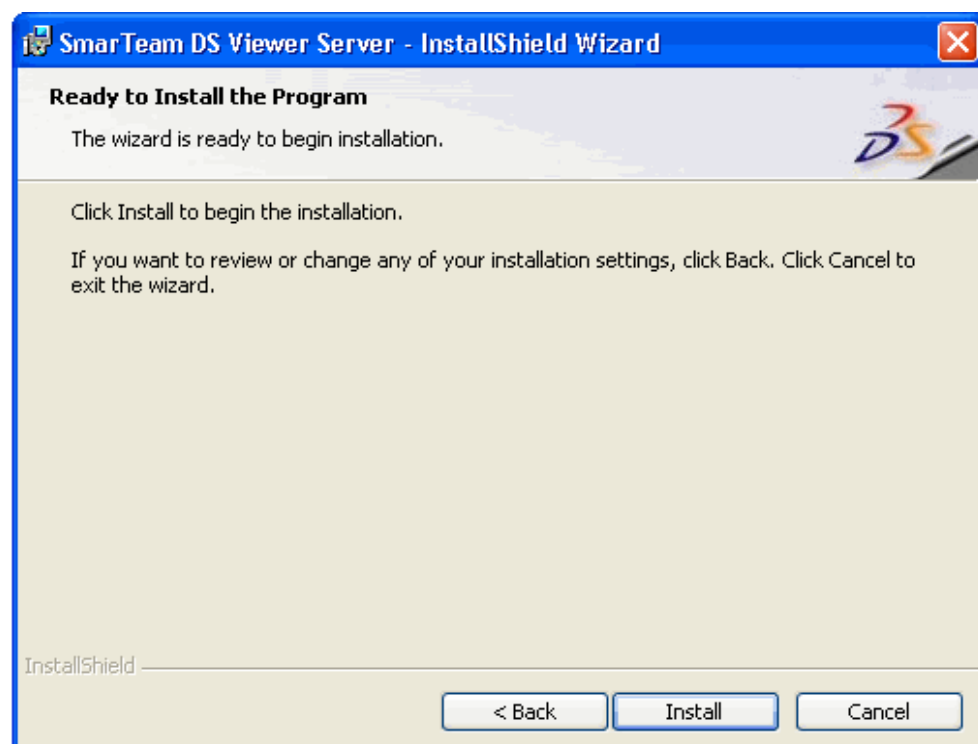
Password :

Confirm Password:

InstallShield

< Back Next > Cancel

5 In the Ready to Install the Program window, click **Install**.



SmarTeam DS Viewer Server - InstallShield Wizard

Ready to Install the Program

The wizard is ready to begin installation.

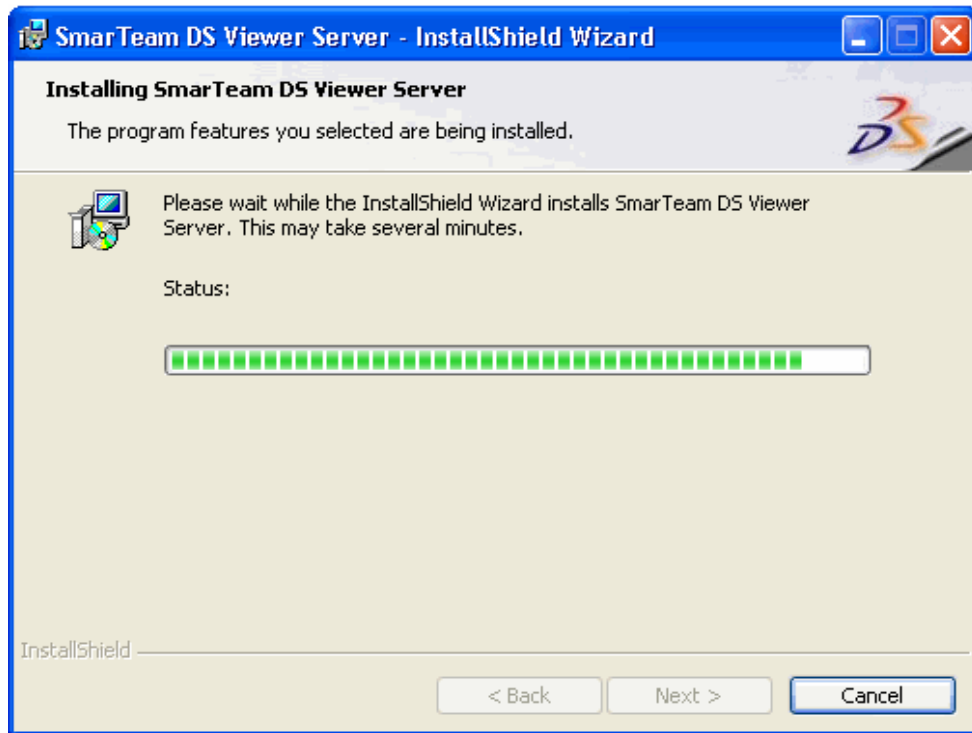
Click Install to begin the installation.

If you want to review or change any of your installation settings, click Back. Click Cancel to exit the wizard.

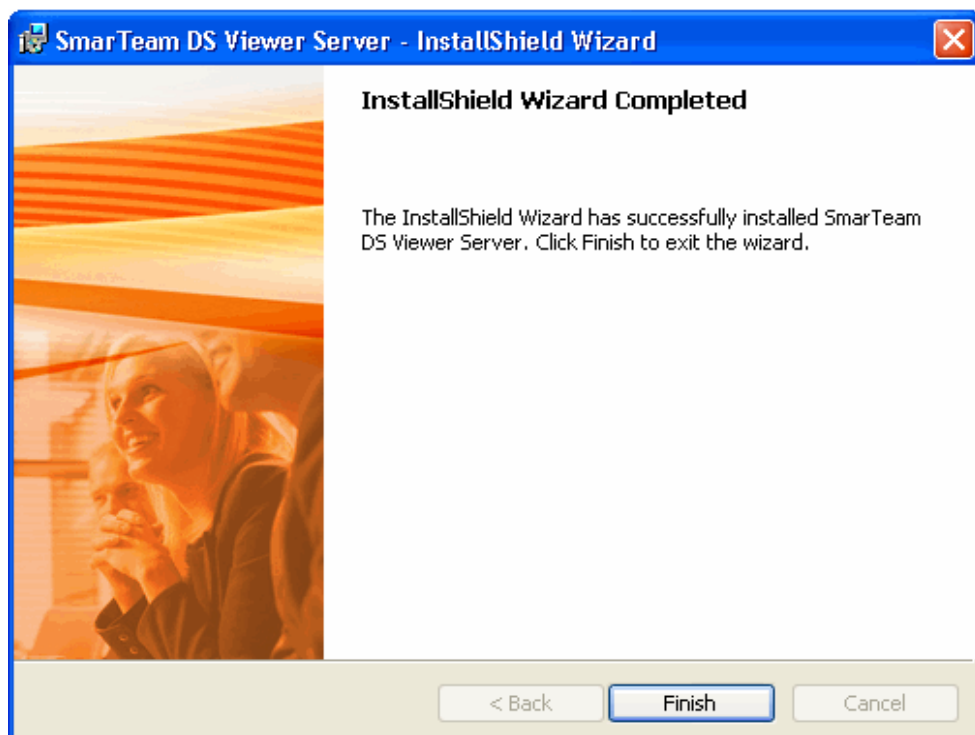
InstallShield

< Back Install Cancel

- 6 The installation process copies the selected files to the designated folders on your computer. Progress is shown in the Installing DS Viewer Server Status window via the graphics bar.



- 7 After successful installation, the InstallShield Wizard window appears, advising you that DS Viewer Server installation has been installed on your computer successfully.
- Click **Finish** to close the window and exit the DS Viewer Server installation process



Chapter 5: Post Installation

System Configuration Key

The DS Viewer Server configuration settings are used for configuring SmarTeam applications to work with the DS Viewer Server. The System Configuration Editor is a web-based tool that provides the administrator with the ability to handle and control all configuration settings from one central location. The tool runs on any SmarTeam – Editor client. For more information on the System Configuration Service and its parameters, refer to the [SmarTeam System Configuration Services](#) document.

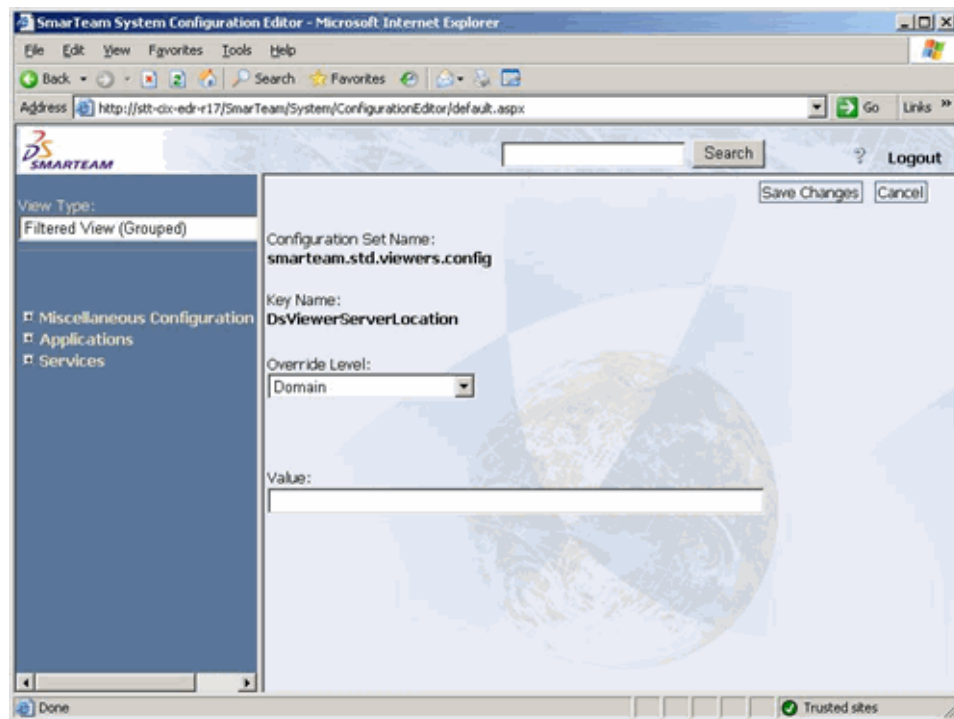
To enable the DS Viewer Server to work in SmarTeam – Editor and SmarTeam – Web Editor, change the following key in the System Configuration Service:

Key	Description
DSViewerServerLocation	The IP Address or DNS Name of the DS Viewer Server machine

Enabling the DS Viewer Server

To enable the DS Viewer server:

- Run System Configuration Editor:
 - Search for DSViewerServerLocation key
 - Select **Domain for Override Level**
 - Type the machine name or IP address in the DS Viewer server location, Value field
 - Click Save Changes



Microsoft® Installer

After installing any SmarTeam product, do not remove or rename any file or directory.

The Microsoft Installer may appear when you launch a SmarTeam application if a directory or file has been deleted, changed or renamed. To prevent this, do the following:

- 1 Open the computer's Event Viewer.
- 2 Search for information or an error event related to the Installer.

For example, a possible cause could be the deletion of the files installed by DS Viewer Server Installation.

- 3 After finding the cause, take the required action: for example, restore a modified file name to its original name, or restore a file that had been deleted.

What Next?

After completing the DS Viewer Server installation process, you can use this viewer to view documents managed by SmarTeam in SmarTeam – Editor or SmarTeam – Web Editor.

For details about how to use this viewer, refer to DS Viewer User Guide, which is available on the SmarTeam Documentation DVD.

Chapter 6: Troubleshooting

Repair/Uninstall

If you have SmarTeam installed on your machine, when you insert the original software, the Program Maintenance window is displayed. The following options are available:

- **Repair:** Repairs installation errors in the program. This option fixes missing or corrupt files, shortcuts and registry entries
The DS Viewer Server cannot be repaired. To fix installation errors you need to uninstall the existing software and install it again
- **Remove:** Removes DS Viewer Server from your computer. For further details see [Uninstall](#)



Uninstall

If required you can remove DS Viewer Server from your computer. This can be done by using either the Release CD or the Add or Remove Programs facility on your computer.

To uninstall a Service Pack you only need to uninstall the Release. This will automatically remove the relevant Service Packs.

To uninstall using the Release CD:

- 1 Insert the DS Viewer Server release CD. The Program Maintenance window is displayed.
- 2 Select **Remove**.
- 3 Click **Next**.
- 4 Follow the remaining the instructions on the CD.

To uninstall using the Add or Remove Programs facility on your computer:

- 1 From the taskbar Start button, select **Settings, Control Panel, Add/Remove Programs** to display the Add/Remove Programs utility.
- 2 In the Add/Remove Programs window, locate and highlight **DS Viewer Server**, then click **Remove** to uninstall DS Viewer Server software.
- 3 In the Confirm File Deletion window, click **OK** to confirm the Remove operation.
- 4 DS Viewer Server is removed and the Maintenance Complete window displays:
 - Click **Finish** to exit the uninstall process. completion message appears at the end of the process

IIS Application Pool for the DSViewerServer Application

The current DSViewerServer installer does not support deployment on a specific IIS Application Pool. By default, the DSViewerServer application is assigned to the DefaultAppPool on IIS. The DSViewerServer application runs with ASP.NET 2.0.

Verify that you do not have other applications running in the DefaultAppPool with an ASP.NET version different from ASP.NET 2.0. Attempting to run applications with different ASP.NET versions in one worker process (in an Application Pool) causes an error.

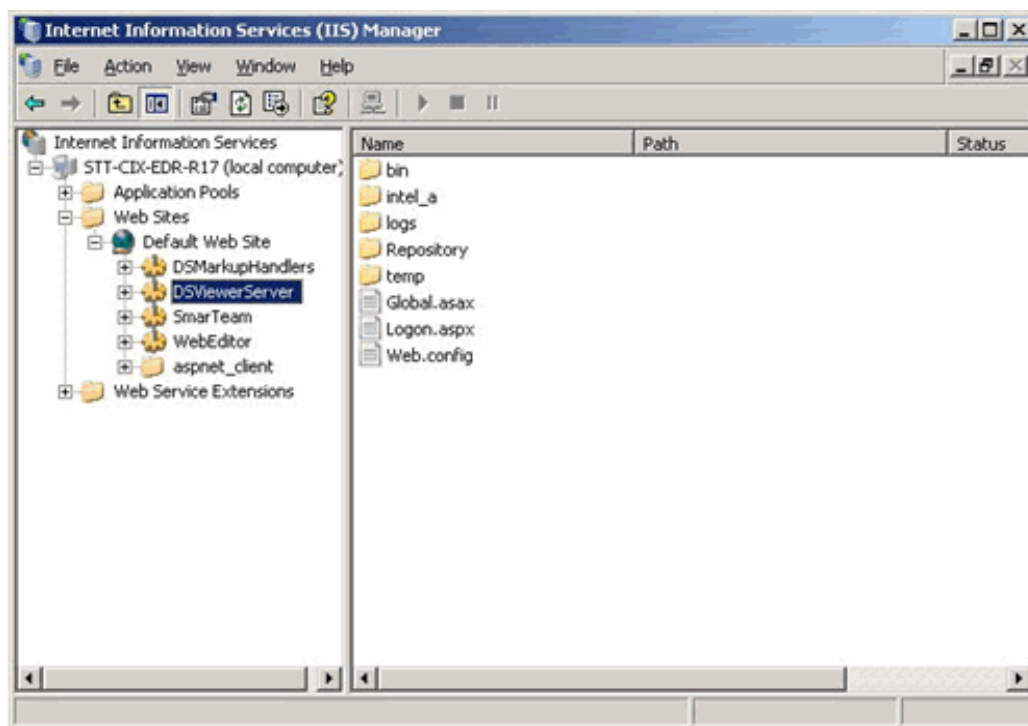
Our recommendation is not to deploy any other applications in DefaultAppPool except the DSViewerServer application. Alternatively, you can manually relocate it to a specifically created dedicated pool.

Set IIS ASP.NET Version

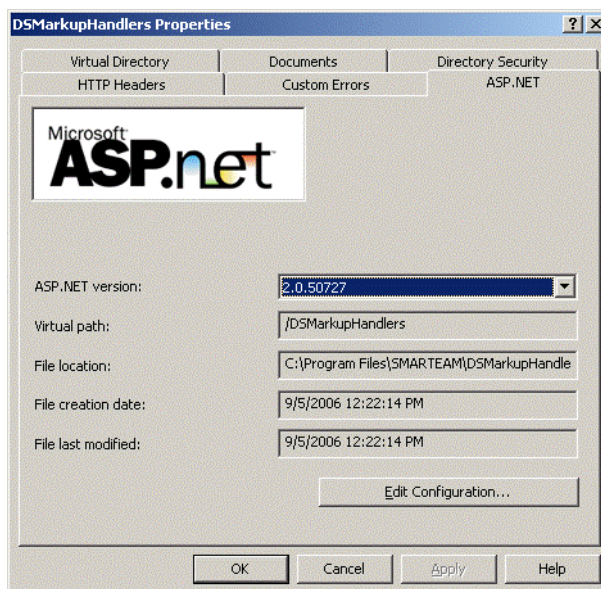
The ASP.NET version must be set to the relevant version for the DS Viewer Server and the DS Markup Handlers.

To set ASP.NET version:

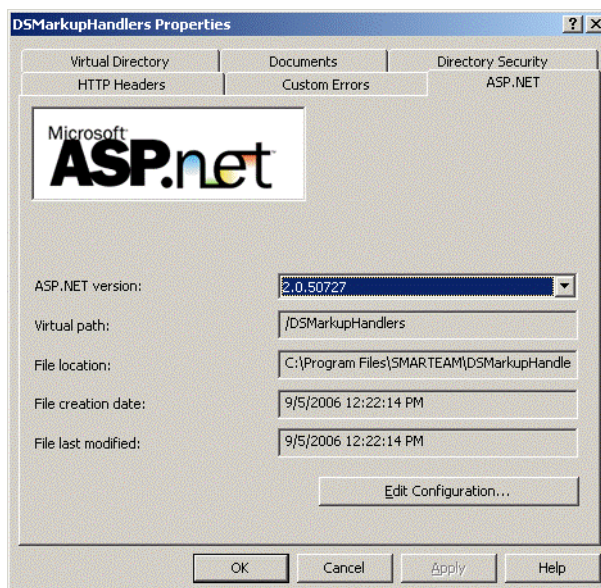
- 1 In the IIS Manager window:
 - Right-click **DSViewerServer** node
 - Select **Properties**



- 2 In the DSViewerServer Properties dialog:
 - Click **ASP.NET** tab
 - Verify that **2.0.50727** is selected in the ASP.NET version field
 - Click **OK**



- 3 In the IIS Manager window:
 - Right-click the **DSMarkupHandlers** node
 - Select **Properties**
- 4 In the DSMarkupHandlers Properties dialog:
 - Click **ASP.NET** tab
 - Verify that **2.0.50727** is selected in the ASP.NET version field
 - Click **OK**

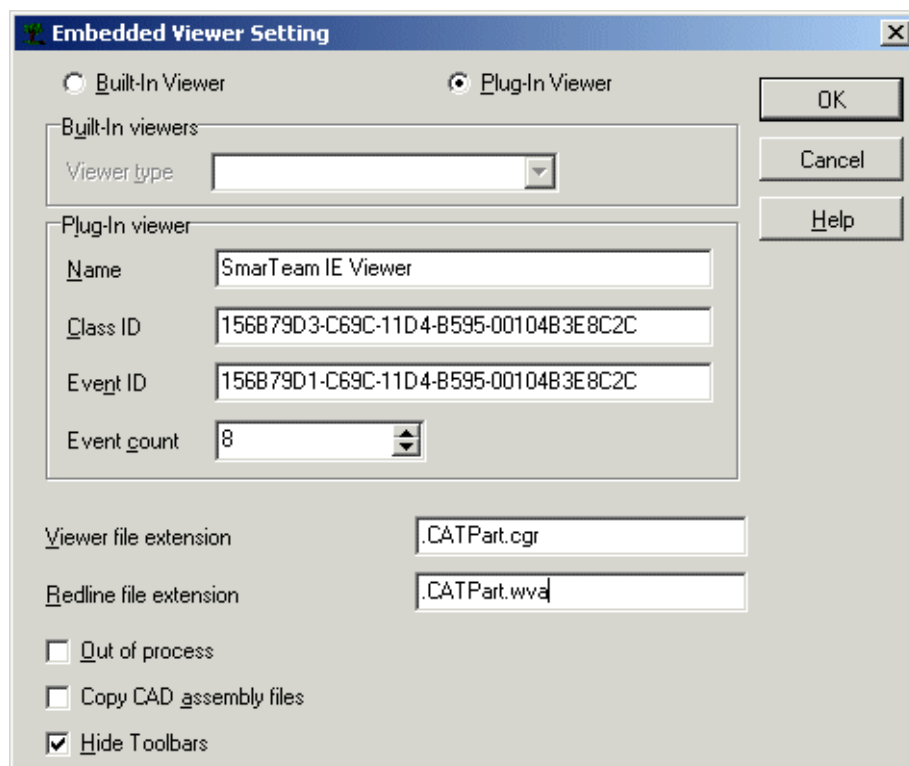


Update Plug-in Viewer

Before you use the DS Viewer, verify that the Plug-in viewer is updated.

To update the Plug-in viewer:

- 1 In SmarTeam – Editor, select Tools > Applications Setup > CATIA file type you want to update, e.g. CATIA part.
- 2 Click **Tools** and select **Embedded Viewer** tab.
- 3 After selecting Embedded Viewer tab click **Modify**.
- 4 In Embedded Viewer Setting window verify that Plug-In Viewer is option selected and update the following fields in the Plug-In viewer area:
 - Name: SmarTeam IE Viewer
 - Class ID: 156B79D3-C69C-11D4-B595-00104B3E8C2C
 - EventID: 156B79D1-C69C-11D4-B595-00104B3E8C2C
 - Event Count: 8
 - Viewer File Extension: enter the relevant file extension for viewing in DS Viewer, for example .CATPart.cgr for CATIA Part or .CATDrawing.cgm for CATIA Drawing
 - Redline File Extension:
 - Enter the relevant annotations file extension for viewing DS Viewer, e.g., .CATPart.wva for CATIA Part or .CATDrawing.wva2d for CATIA Drawing
 - Verify that the Out of process check box is cleared
 - Verify that the Hide Toolbars option is cleared
 - Click **OK**



Chapter 7: DS Viewer Server Silent Installation

Overview

This document shows how to use the Windows Installer to perform a silent installation of the DS Viewer Server .

The Windows Installer performs a command-line based installation without requiring any user interface dialogs. This allows an administrator to use a script to install DS Viewer Server automatically for a group of computers.

Section 2 defines the options and properties that can be used in the command-line installation commands.

Section 3 presents some common command-line installation scenarios.

Command-Line Operation

This section describes how to formulate a command-line command, including how to specify command-line options and properties.

Command-Line Format

Browse to the Setup folder. The general format of a command-line command is:

```
<Setup folder>\Setup.exe /s /v "<installation_flags>  
<commandLine_Properties> <ADDLOCAL_values>"
```

The relevant options are described in detail in the following sections.

Note: When you use setup.exe to run the installation in silent mode, every back-slash "\" must appear in the command line script as a double back-slash. For example, the INSTALLDIR parameter must look like this: **INSTALLDIR="C:\\Program Files\\SmarTeam"**

Installation Flags

The recommended flags for installation are:

1. /qb : Installation will present a progress bar during the silent installation process, which disappears once the installation is complete.
2. /L*v : Installation logging will be written to a log file in the location specified after this flag.

For example: using this flag as follows: `/L*v"%temp%\InstallIdentifier.log"`, the installation will reproduce a log file named "InstallIdentifier.log" in the %temp% folder of the local machine.

An example with both flags:

```
/qb /L*v"%temp%\InstallIdentifier.log"
```

Complete detailed information about these options and more can be found at:

<http://msdn2.microsoft.com/en-us/library/aa367988.aspx>

Command-Line Properties

Properties are global variables that Windows® Installer uses during an installation. This section lists the command-line properties that can be used. Each set of properties corresponds to a dialog in the user-interface based installation. The following table shows the parameter, description and the corresponding dialog name.

Note: Command-line options that require a parameter must be specified with no space between the option and its parameter. For example, `[Setup.exe full path] 'ALLUSERS=2'` is valid, while

[Setup.exe full path]' ALLUSERS= 2' or 'ALLUSERS = 2'are not. Inserting quotation marks around an option's parameter are required only if the parameter contains spaces.

GUI Dialog	Property	Value	Description
N/A	ALLUSERS	Options: ALLUSERS parameter omitted: ALLUSERS=2 Per-user installation using folders in user's personal profile. (Installation works only for that user.) ALLUSERS =1 -default value Per-machine installation using folders in "All Users" profile. (Installation works for all users on the machine.)	Administrator access privileges. ALLUSERS property determines if the installation is per-user or per-machine.
User Name and Password	USER_NAME	A full user name <Domain\Machine Name >\<User Name >	Mandatory property Full user name of a user that has privileges for installing DS Viewer Server.
	USER_PASSWORD	Password prepared in advance	The password of the user name provided in the USER_NAME property USER_PASSWORD is a mandatory property
	USER_CONFIRM_PAS SWORD	Confirmed password	Confirmed user's password. USER_CONFIRM_PAS WORD is mandatory property.

Values for ADDLOCAL Parameter

The following parameter values can be used for the ADDLOCAL All parameters listed in the Parameter column (see table) are case-sensitive.

Installation examples

Note: before running DS Viewer Server silent installation please verify that Microsoft Visual J# 2.0 Redistributable Package is installed on your machine. If it doesn't installed - you can install it from the installation CD 3 from SmarTeam DS Viewer Server\Data\J#\<setup language> folder or download and install it from:

<http://www.microsoft.com/Downloads/details.aspx?FamilyID=e9d87f37-2adc-4c32-95b3-b5e3a21bab2c&displaylang=en>

Open Start -> Run or Command Prompt window (cmd.exe) and run following line:

DS Viewer Server silent installation with log file

```
"<path to setup.exe>" /s /v" /qb /L*v %temp%\STDSViewerInstall.log  
USER_NAME=iltdm122\Administrator USER_PASSWORD=123456  
USER_CONFIRM_PASSWORD=123456"
```

Run silent DS Viewer Server installation using msixec.exe utility and with log file