

BPA 3DSmartDocCreator >

- <TS9> -

Installation Guide – V1.7

BPA Delivery 7 for V5R19 (V5.7)

3DSmartDocCreator – Business Process Accelerator
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1. Introduction

This document describes the installation procedure for the BPA 3DSmartDocCreator Server

This document is divided into the following sections:

- 3DSmartDocCreator Server installation
- Configuring 3DSmartDocCreator Server

1. Related Documentation

Related Documentation for Configuring the 3DSmartDocCreator Server

- SmarTeam Administration Guide
- SmarTeam Installation Guide

2. Definitions

Variables

Proposed examples:

| Name | Definition |
|---------------------------|---|
| HOME | The selected directory for BPA Server installation |
| <CATIA Install Directory> | The directory of CATIA installation |
| <OS_Root_directory> | The operating system root directory (typically C:\) |
| <BPA License Directory> | The installation directory for BPA license files |
| <Path> | Variable for search path |

Table 1 - Variables

Pictograms





| Symbol | Usage |
|---|---|
|  | Step The step symbol signals that a sequence of work operations is given. |
|  | Information The info symbol signals background information. |
|  | Tip The lamp symbol signals a tip that offers you practical experience to make your work easier. |
|  | Warning: The warning symbol signals critical moments to which you should pay attention in order to avoid problems in your work process. |

Table 2 - Ideograms

3. Prerequisite for 3DSmartDocCreator Installation

Hardware requirements

- See SmarTeam Hardware requirements

Software requirements

Software requirements for 3DSmartDocCreator Server

- SmarTeam Client Installation
- 3DVIA Sync Installation
- 3DVIA Sync Integration Installation
- Operating System : Windows XP SP3 or Windows Server 2003

Required disk space

- See SmarTeam Hardware requirements

2. 3DSmartDocCreator Server installation

1. Before Installing

- Be sure that you have sufficient rights on your PC to create a Path, copy files and register DLL's
- Check for installation folder
- Need for uninstalling manually an older version of the BPA (if upgrading of old versions is not automatically supported)
- Dot Net Framework 3.5 sp2 is installed

2. 3DSmartDocCreator Server package description

SetUp files

The package includes these files separated in the listed folders:

3DSmartDocCreatorServer

- \BIN
 - AutomationServer.exe
 - AutomationServer.ini
 - Displayfile.exe
 - JobServerApp.dll
 - JobServerCompPlugIn.dll
 - JobServerWatcher.exe
 - SmartDocCreator.lic
 - vbSendMail.dll
- \Operations
 - Convertschattered.xml
 - CREATECOMPOSERFILES.jod
 - createContent.xml
 - CREATECOMPOSERCONTENT.jod
 - createViewPictures.xml
 - CREATECOMPOSERDOCUMENTS.jod

3DSmartDocCreatorClient

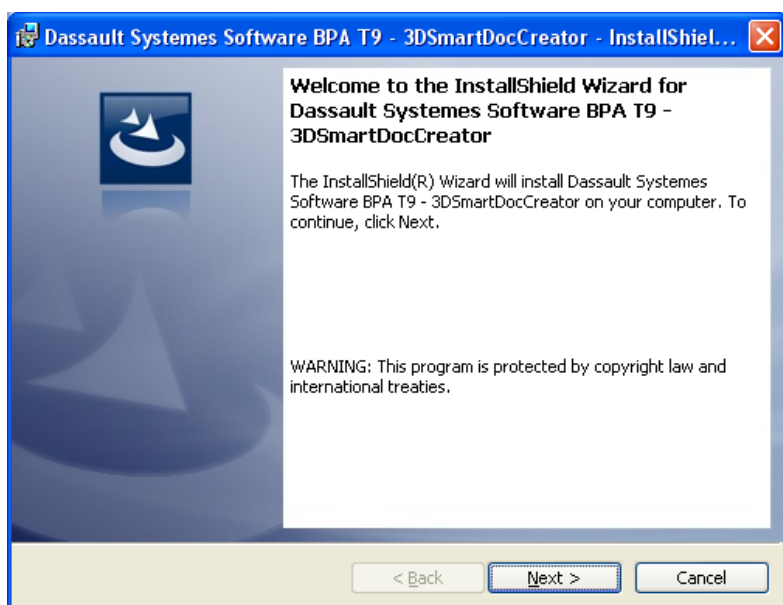
- \BIN
 - SmartDocCreator.dll
 - SmartDocCreator.lic
 - SmartDocCreator.dll.config
 - SmartDocCreator.xml
 - SmartDocCreatorNLS.xml
 - AxInterop.DS3DVIAPlayerActiveXLib.dll
 - Interop.DS3DVIAPlayerActiveXLib.dll
 - Interop.Shell32.dll
 - SmartTeam.Std.Interop.SmartTeam.SmApplic.dll
 - SmartTeam.Std.Interop.SmartTeam.SmartFlow.dll
 - SmartTeam.Std.Interop.SmartTeam.SmartMessages.dll
 - SmartTeam.Std.Interop.SmartTeam.SmUISrv.dll
 - SmartTeam.Std.Interop.SmartTeam.SmIntegrationTools.dll
 - SmartTeam.Std.Interop.SmartTeam.SmRecList.dll
 - SmartTeam.Std.Interop.SmartTeam.SmUtil.dll
 - ComposerStarter.exe
 - Interop.DS3DVIAComposer.dll

- Interop.ISPLI0BPALUMLib.dll
- ISPHA0HelpAbout.dll
- ISPLI0BPALUM.dll

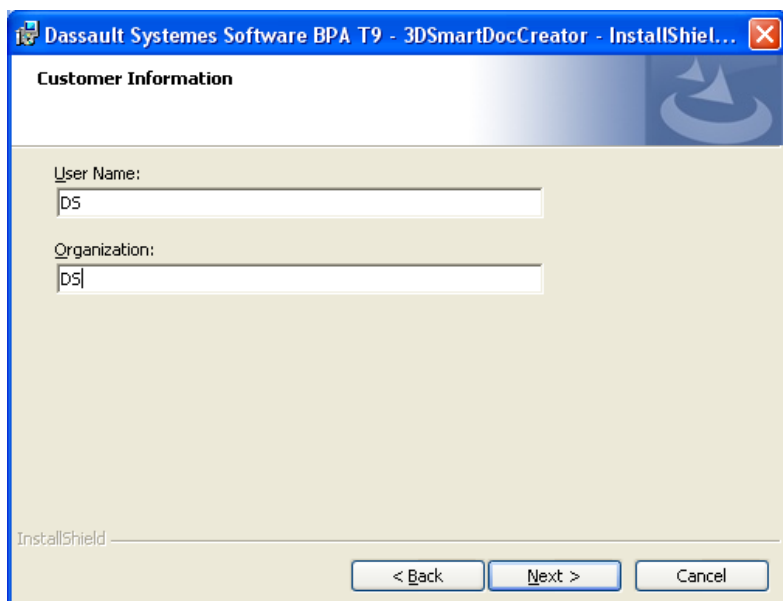
Possible other folders may contain: admin settings, demo data, additional tool folder for licensing, resources files etc...
Indicate the setup file format (ex: tar file, InstallShield setup file).

3. 3DSmartDocCreator Server Installation

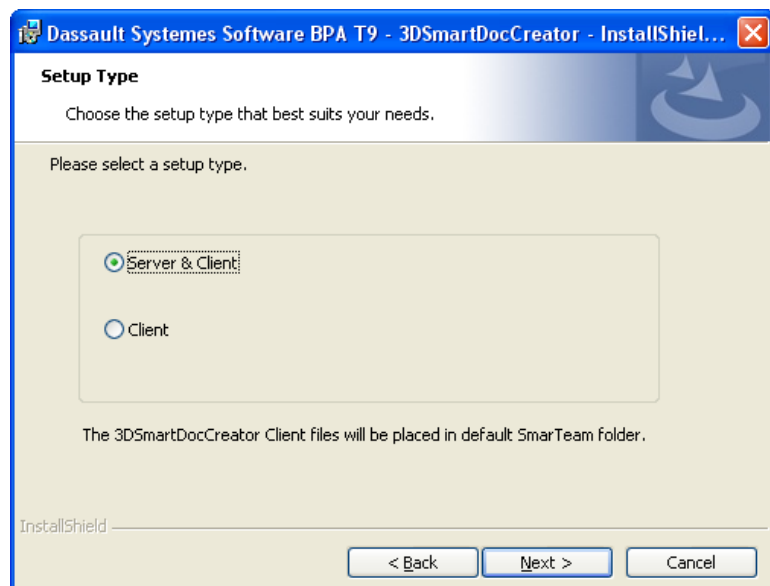
1.) The installation is done through installation software. Please execute the “setup.exe” from the delivered or existing media



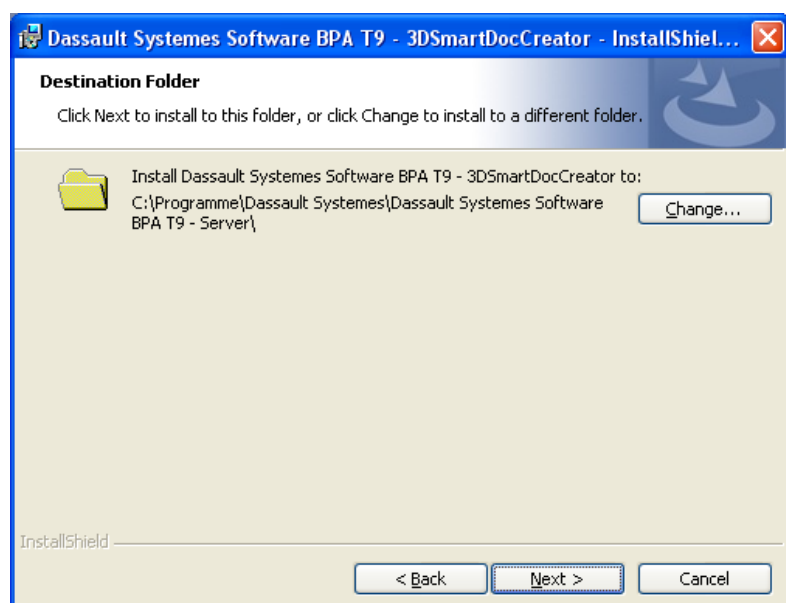
2.) Key in your preferred User Name and Organisation:



3.) Choose the installation type. The Server installation requires also a client installation. So if you choose this type both, Server and Client will be installed



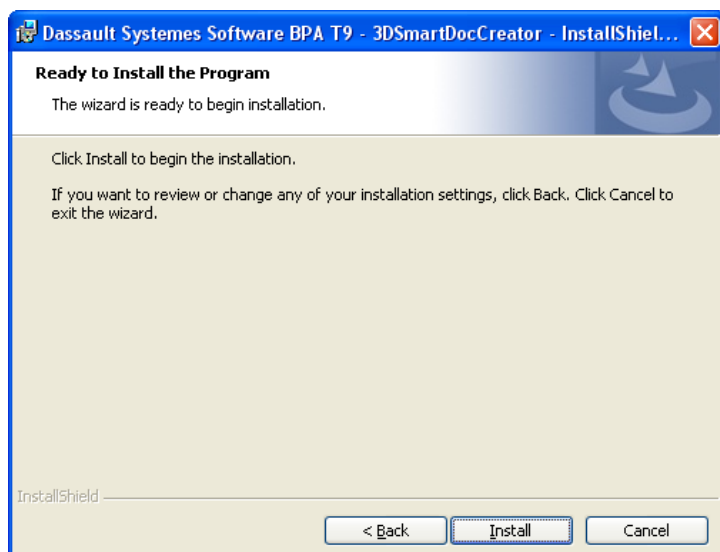
4.) Choose the Root Folder for the Server installation:



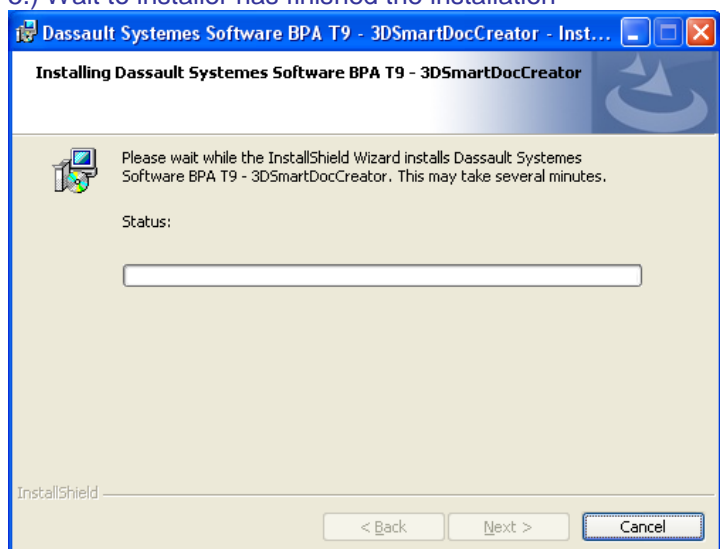
Under this root following folders are created through setup:

| | |
|----------|--|
| \Done | In this directory all done jobs are copied |
| \Pending | This is the shared directory where all jobs that have to be done are located |
| \Failed | In this directory all failed jobs are copied |
| \Files | This is a directory that is used as working directory for files |
| \Log | In this directory the log files are located |
| \Redo | On redo the job files are located here |
| \Trace | In this directory the trace files from the jobs are located |
| \Work | This is the work directory for the jobs |

4.) Click [Install] to start the installation:



5.) Wait to installer has finished the installation



3. Configuring 3DSmartDocCreator Server

1. 3DSmartDocCreator Server Configuration

Share the <Homedirectory>\pending folder. To allow the clients to create jobs on this server you must share the Pending directory to all users.

2. Create a shared Directory on the SmarTeam Fileserver

Create a shared Directory for the converted Composer Files (smgXML and smgGeom). These files are created during through the AutomationServer

4. Change export values in XML Sync files

Changes that has to be done in the related XML file for the 3DVIA Sync:

- Open the convertshatterd.xml File located in the <Homedirectory>\Operations directory
- Change the rows with proper Path informations:

```
<SeemageBatch Version="6.1.1.1335">
  <Properties>
    <Batch.IOREfinement Value="0.5"/>
    <Batch.SaveInSameFolder Value="0"/>
    <Batch.SaveInXmlOnly Value="1"/>
    <Batch.SaveFolder Value="E:\composer\geomfiles"/> <-Shared Directory
    <Batch.OverwriteChoice Value="0"/>
    <Batch.IOREfinementAdapt Value="1"/>
    <Batch.Healing Value="0"/>
    <Batch.IOCheckOriginalFileChange Value="0"/>
    <Batch.IOMergeFileInOneActor Value="0"/>
    <Batch.IOMergeFileInOneFile Value="0"/>
    <Batch.IOREcursivity Value="0"/>
    <Batch.IOImportAsBodies Value="1"/>
    <Batch.IOImportMassProperties Value="0"/>
    <Batch.IOImportPoints Value="0"/>
    <Batch.IOImportPMIs Value="1"/>
    <Batch.IOImportCurves Value="0"/>
    <Batch.IOImportFreeFaces Value="0"/>
    <Batch.IOImportNoShow Value="0"/>
    <Batch.IOImportNoPick Value="0"/>
    <Batch.IOImportGraphicData Value="1"/>
    <Batch.IOREduceAccuracy Value="0"/>
    <Batch.IOREduceAccuracy.Value Value="0.1"/>
    <Batch.IOWriteNormals Value="1"/>
    <Batch.IOWriteSmgGeomsWhenSaveSmgXml Value="1"/>
    <Batch.IOWriteSmgGeomsInSmgXmlDirectory Value="0"/>
    <Batch.IOCompressionBits Value="16"/>
    <Batch.IOREfinementType Value="0"/>
  </Properties>
</SeemageBatch>
```

```

<Batch.IORelativeRefinementFunction Value="0"/>
<Batch.IOSetChordalError Value="1"/>
<Batch.IOSetNormalDeviation Value="0"/>
<Batch.IOSetEdgeLength Value="0"/>
<Batch.IOChordalErrorValue Value="0.2"/>
<Batch.IONormalDeviationValue Value="20"/>
<Batch.IOEdgeLength Value="20"/>
<Batch.IOUseFlatMethod Value="4"/>
<Batch.IOU3dQualityOutput Value="0"/>
<Batch.IOIdentType Value="1"/>
<Batch.IOImportMetas Value="1"/>
<Batch.IONodeFeatureName Value="1"/>
<Batch.IONodeInstanceName Value="1"/>
<Batch.IOPDFTemplate Value="C:\Programme\Dassault
Systemes\3DVIAComposer\6.1\Pdf\TemplateU3D.pdf"/>
<Batch.IOPDFPublishType Value="0"/>
<Batch.PerformLogging Value="1"/>
<Batch.AppendToLog Value="0"/>
<Batch.LogFilePath Value="C:\Dokumente und Einstellungen\tbz.DS\Eigene
Dateien\3DVIAComposer\User\seePub.xml"/>
<Batch.ShowProgress Value="0"/>
<Batch.UseTimeOut Value="0"/>

```

Do the same for the CreateViewPictures.xml that belongs to the CREATECOMPOSERDOCUMENTS.jod

Installation Checklist

Please feel free to use this checklist during Installation.

BPA Server Installation:

| Installation Step | Description | Done |
|--------------------------|--|------|
| Check Prerequisites | 3DVIA Sync/Sync Integration / SmarTeam Client / Net 3.5SP2 | |
| Create Folder Structure | Create the needed folders and main folder for the BPA Server | |
| Copy Files | Copy all Files to the related folders | |
| Register DLLs | Register the named DLLs located in the \BIN (see 2.4) | |
| Copy Client files | Also the server needs the BPA Client DLLs | |
| Register BPA Client | Register "SmartDocCreator.dll" (see 2.6) | |
| Install LUM License | Install a LUM License nodelocked (TS9) | |
| Install Zipping Software | Install Zipping Software instead of use Windows ZIP See 5.14 | |

BPA Server Configuration

| Configuration Step | Description | Done |
|----------------------|---|------|
| Create Network Share | Share the “\Pending” Directory of the Automation Server | |
| Edit “.jod” files | Change the “.jod” files to your environment (Path informations and 3DVIA informations) Change the name of your SmarTeam database and the user – login (refer to TS9_ServerAdministrationGuideR19D7SP9) | |
| Edit “.xml” files | Change the output path inside the named xml files for the SYNC-jobs | |