

BPA 3DSmartDocCreator >

- <TS9> -

Installation Guide – V1.8

BPA Delivery 8 for V5R20 (V5.8)

Modification Tracking

Date	Done by	Modification
3.11.2008	TBZ	Version 1 document creation
9.2.2009	TBZ	Change of Trigram
17.2.2009	TBZ	Menu creation (Toolbar for Client)
24.2.2009	TZB	Checklist
5.3.2009	TBZ	Adding missing Interop DLLs
15.5.2009	TBZ	Changed \BIN Directory and Licensing
22.5.2009	TBZ	Added Composer Templates installation
29.5.2009	TBZ	Changes done through IBM Feedback
3.6.2009	TBZ	Including new Installer
8.6.2009	TBZ	Errors corrected
11.02.2010	ZVW	Separate guide for server installation

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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

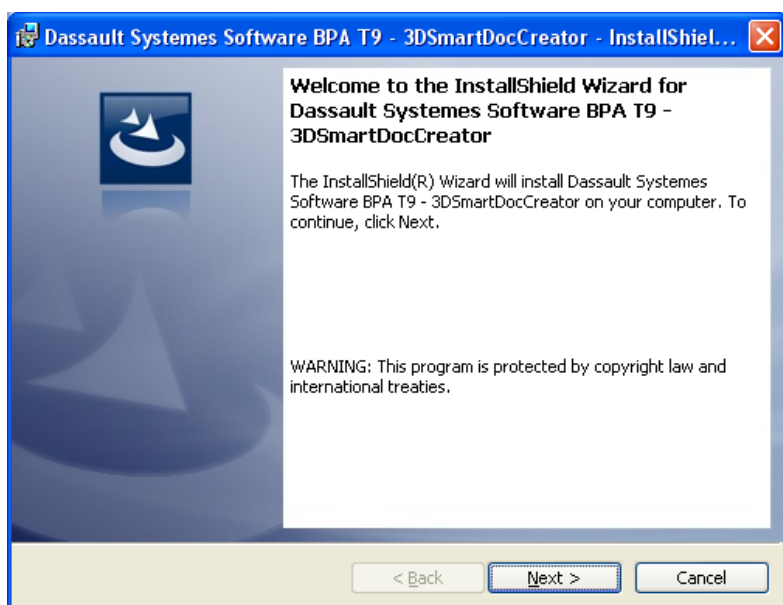
- \BIN
 - SmartDocCreator.dll
 - SmartDocCreator.lic
 - SmartDocCreator.dll.config
 - SmartDocCreator.xml
 - SmartDocCreatorNLS.xml
 - AxInterop.DS3DVIAPlayerActiveXLib.dll
 - Interop.DS3DVIAPlayerActiveXLib.dll
 - Interop.Shell32.dll
 - SmarTeam.Std.Interop.SmarTeam.SmApplic.dll
 - SmarTeam.Std.Interop.SmarTeam.SmartFlow.dll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

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

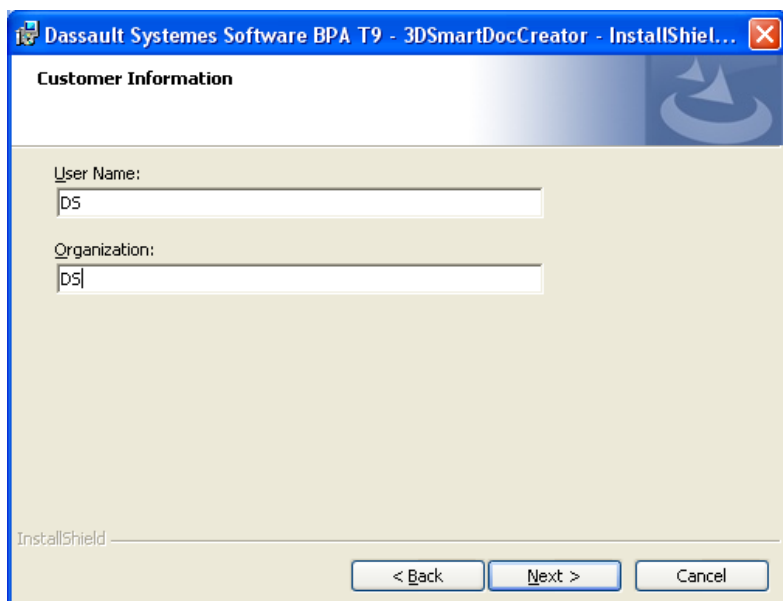
Possible other folders may contain: admin settings, demo data, additional tool folder for licensing, resources files etc... Indicate the setup file format (ex: tar file, InstallShield setup file).

3. 3DSmartDocCreator Server Installation

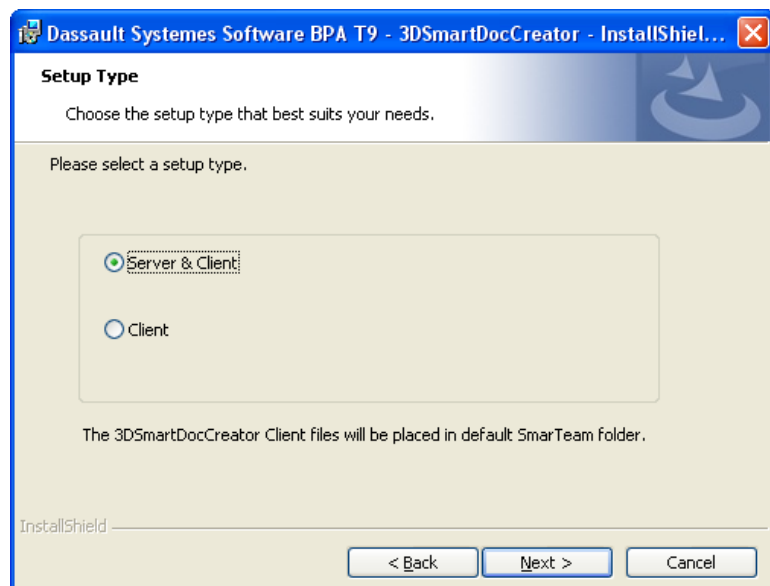
1.) The installation is done through installation software. Please execute the “setup.exe” from the delivered or existing media



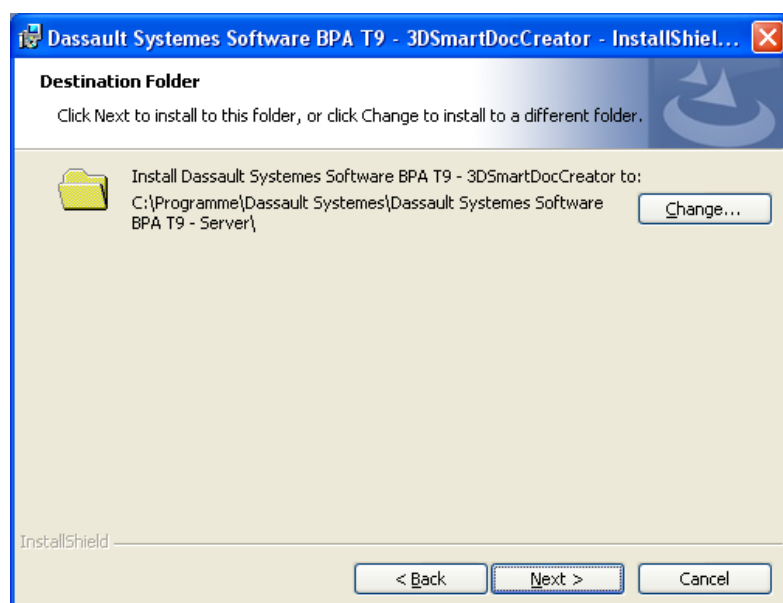
2.) Key in your preferred User Name and Organsiation:



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



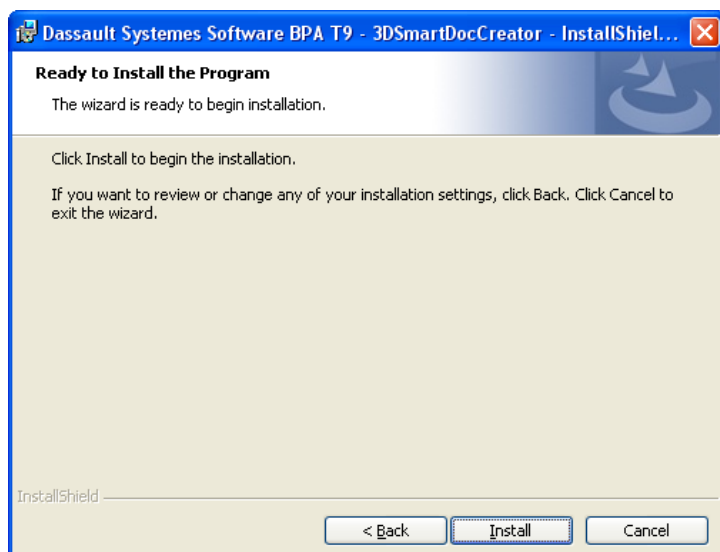
4.) Choose the Root Folder for the Server installation:



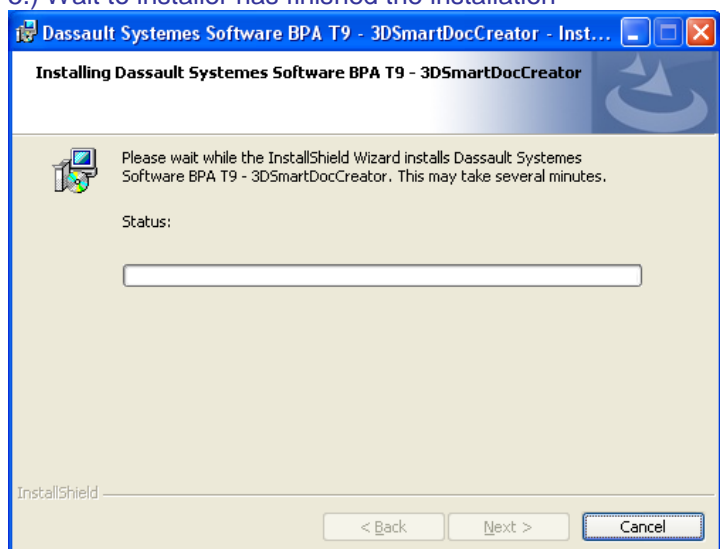
Under this root following folders are created through setup:

\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"/>
```

```

<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_ServerAdministrationGuideR20D8SP1)	
Edit “.xml” files	Change the output path inside the named xml files for the SYNC-jobs	