

**CATIA  
Teamcenter  
Interface  
RII**

**CMI RII Release 1.0**

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**Installation Manual**

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## Manual History

Version	Date	Version	Date
1.0	December 2008		

This edition obsoletes all previous editions.

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Teamcenter is a registered trademark of Siemens PLM Corporation.

Names of other products mentioned in this manual are used only for identification purpose and may be trademarks of their companies.

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# Preface

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## About this Guide

This guide provides installation and configuration information for the CATIA Teamcenter (CMI RII) Interface. Before using this guide, be sure you understand:

- the operating system
- the administration of the CATIA system
- the administration of the Teamcenter system

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## Related Documents

The following manuals contain information about installation and usage of CATIA Teamcenter Interface RII:

Manual Title	Release
<i>CATIA Teamcenter Interface RII Installation Manual</i>	1.0
<i>CATIA Teamcenter Interface RII User's Manual</i>	1.0

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## Your Comments are Welcome

Your comments on our publications are welcome. Please write us at:

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# CHAPTER 1

## Overview

The installation of the CATIA Teamcenter Interface RII consists of two parts.

The first step is to modify and extend your Teamcenter server installation. This is done by deploying a new custom template to the Teamcenter database.

The second step is to install the client side components. This includes the installation of:

1. CMI CATIA V5 module
2. RII Teamcenter Rich Client application
3. RC CMI listener, a program responsible for the communication between CATIA and Teamcenter Rich Client.

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### System and Software Requirements

Server Installation of Teamcenter 2007 (Unified) on the following operation systems:

supported platforms for Teamcenter 2007 Server:	all officially by Teamcenter 2007 (Unified) supported server platforms
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CATIA V5 Client Version V5R16, V5R17, V5R18 on the following operation systems:

CATIA V5 Client:	Windows	XP (32/64)
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Teamcenter 2007 (Unified) Rich Client on the following operation systems:

Teamcenter 2007 Rich Client	Windows	XP (32/64)
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### Documentation

The documentation can also be delivered as printed (one example per each part). They can be used as copy master.

# CHAPTER 2

## Server Side Installation

### How to deploy the CMI RII Custom Template to the Teamcenter Configuration

1. Download the software from <http://www.cmi-support.com/>. Choose “Download” → “CMI RII” → “CMI RII Client Software / Teamcenter 2007 (unified)” → “CMI RII Server Package for Teamcenter 2007”.
2. Locate the downloaded archive (CMIRII\_Server\_Template\_V100.zip) that contains the four template feature files. Unpack the archive, for example to “C:\temp\template”.
3. Launch the TEM (Teamcenter Environment Manager) from TC\_ROOT/install directory. Select “Configuration Manager” and click Next:

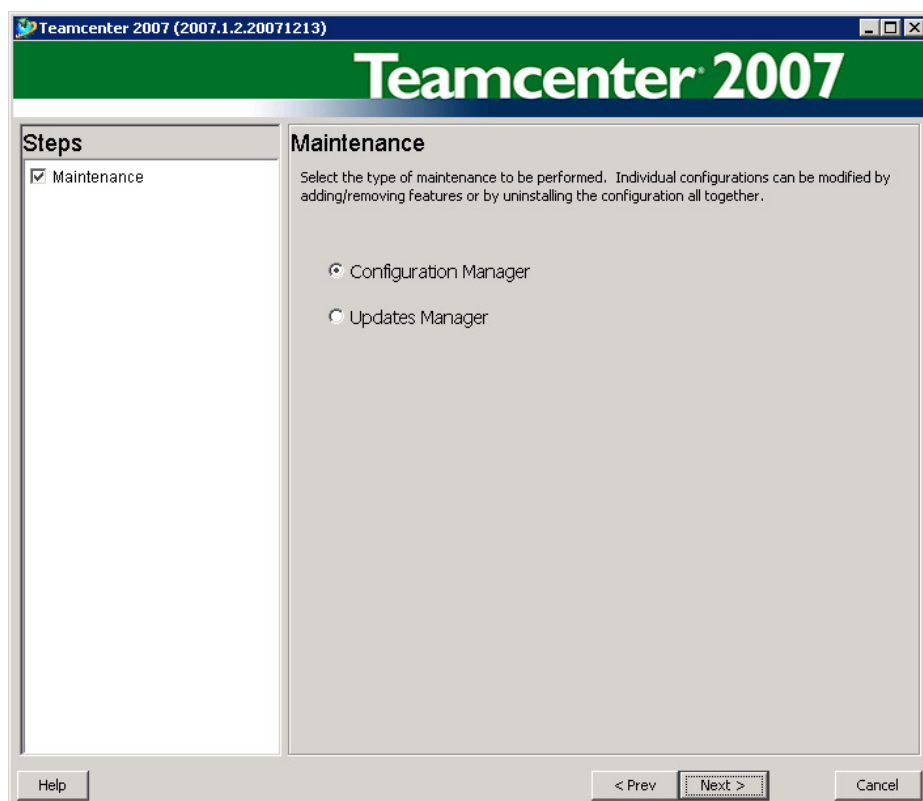
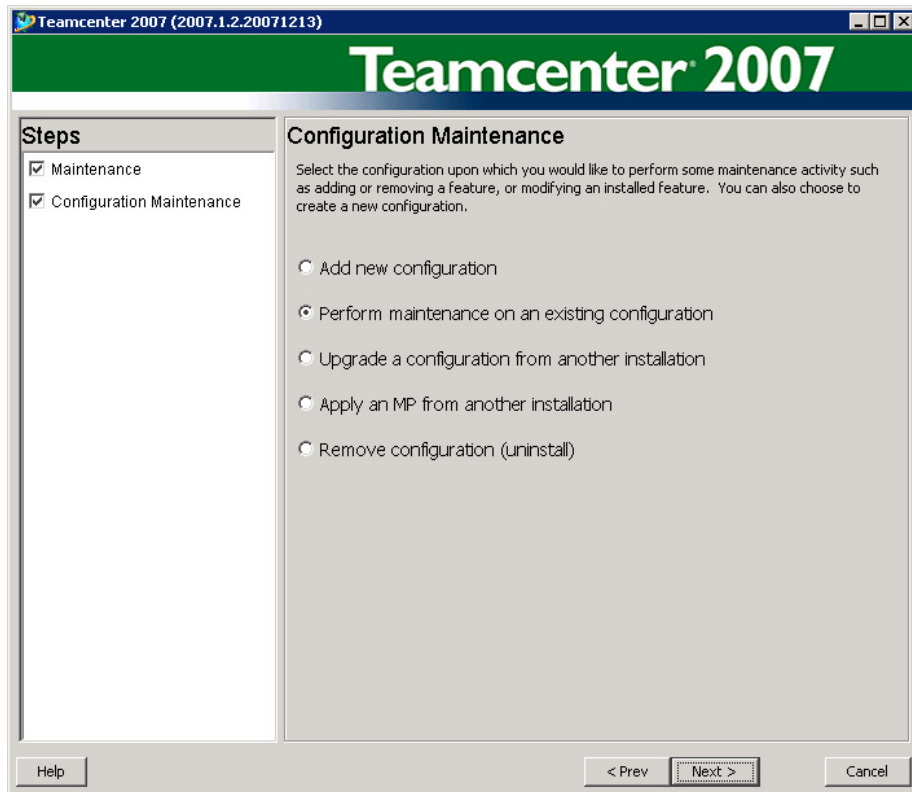


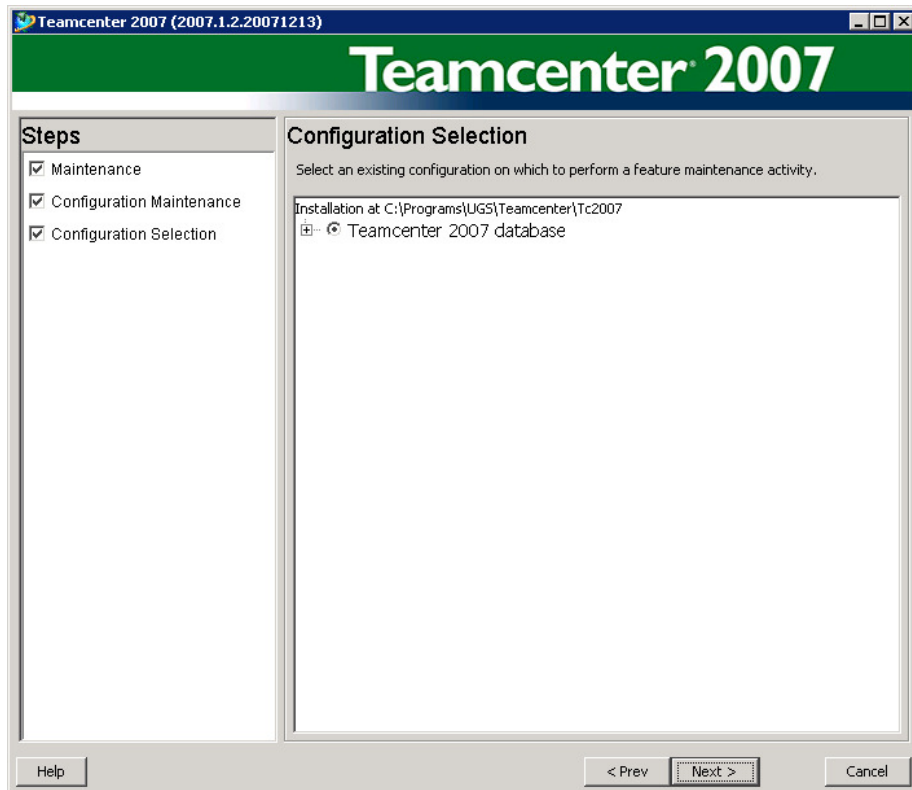
Figure 1: TEM - Maintenance page

4. Select “Perform maintenance on an existing configuration” and click Next:



**Figure 2: TEM - Configuration Maintenance page**

5. On the Configuration Selection page, select the Configuration which you want to modify and click Next:



**Figure 3: TEM - Configuration Selection page**

6. Select "Add/Remove Features" and click Next:

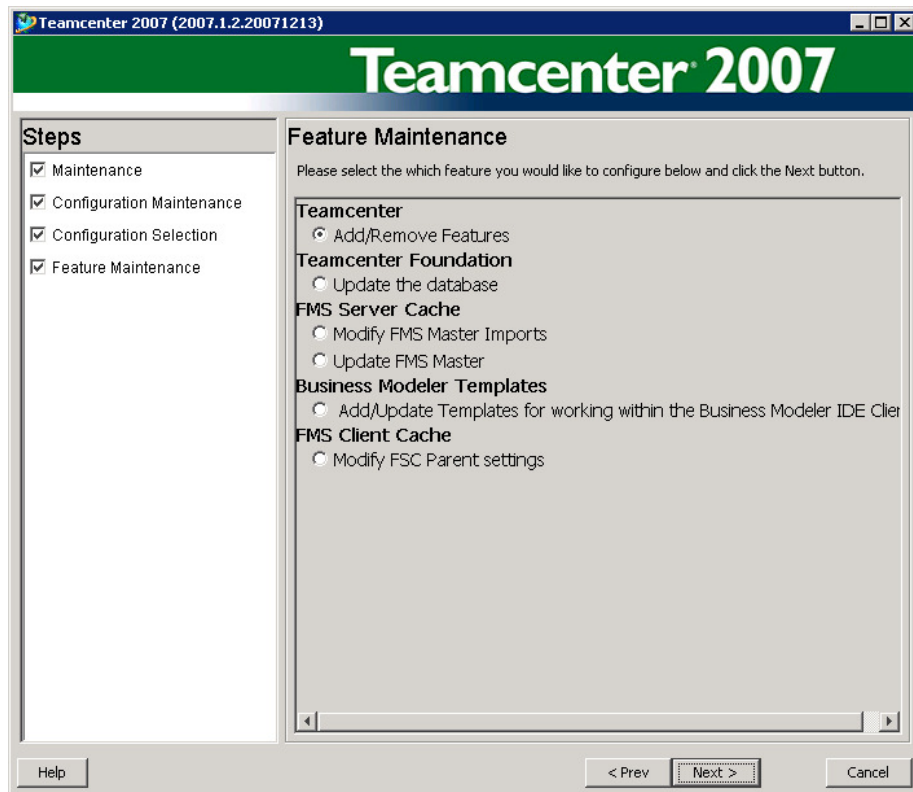


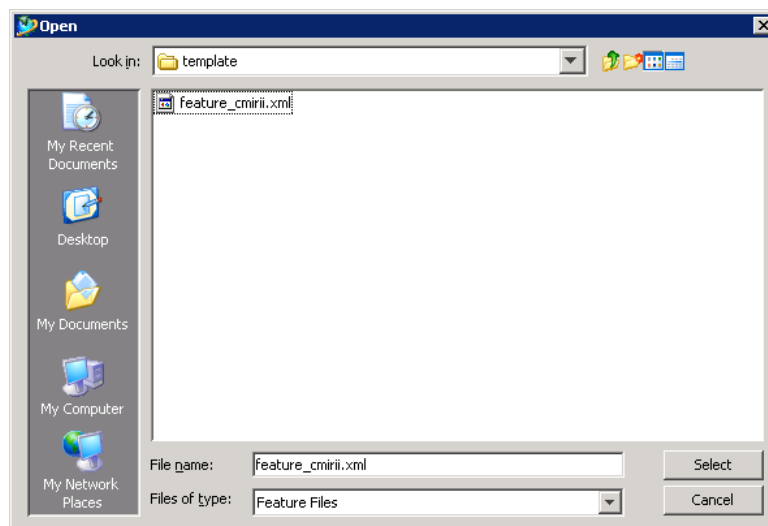
Figure 4: TEM Feature - Maintenance page

7. The Select Features lists all features which are available with the default Teamcenter installation and maybe also already installed custom templates:



**Figure 5: TEM - Select Features page**

Most likely this list does not contain your new custom template, because it is not a part of the default Teamcenter installation. To install the template, TEM needs to be made aware of it. You do this by clicking on the Browse button (right below the feature list). In the following dialog, find the directory that contains the template feature files (see 1.), select the “feature\_cmirii.xml” and press the Select button:



**Figure 6: TEM - feature selection dialog**

Now the Select Features page shows the new custom template:

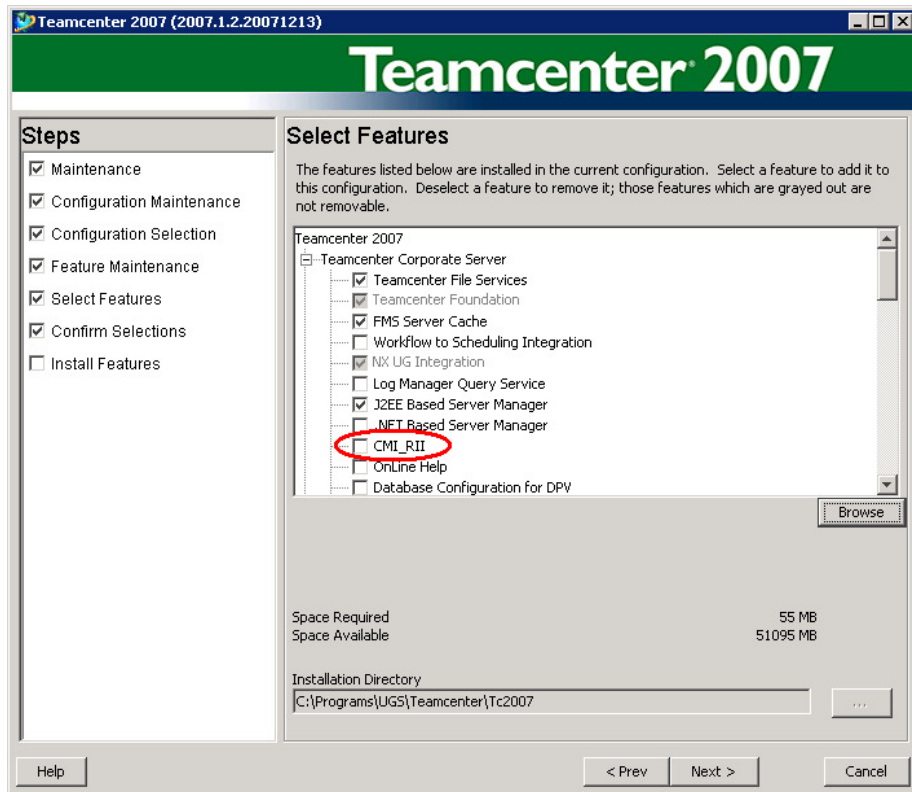


Figure 7: TEM - Select Features page

8. Check the feature in the list and click Next. Enter a valid DBA username and password. Click Next:

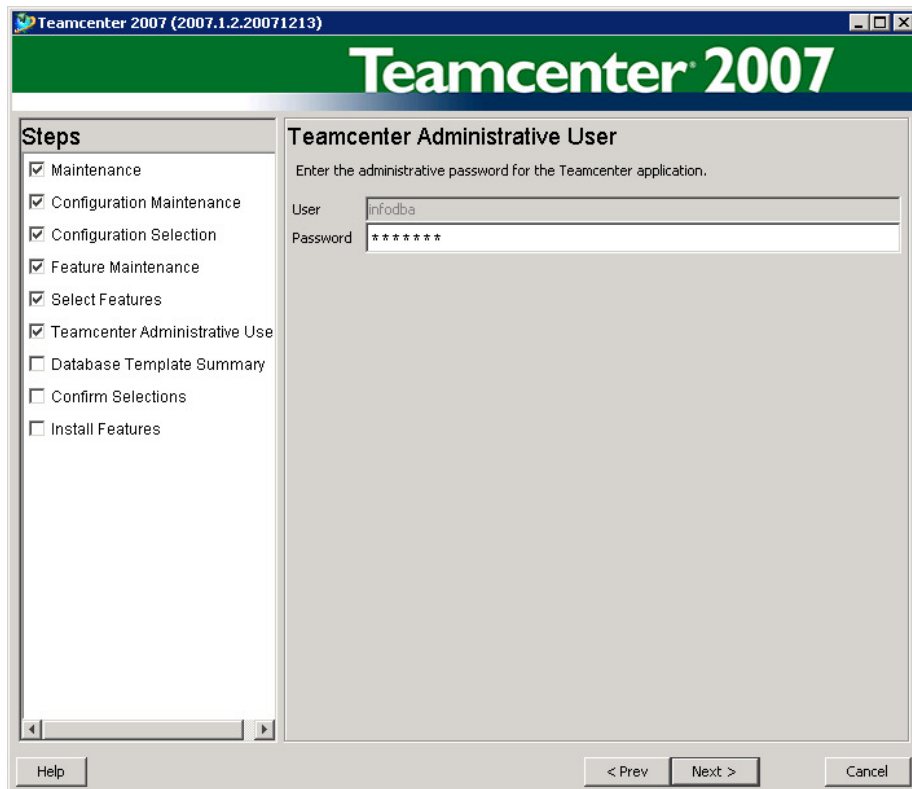
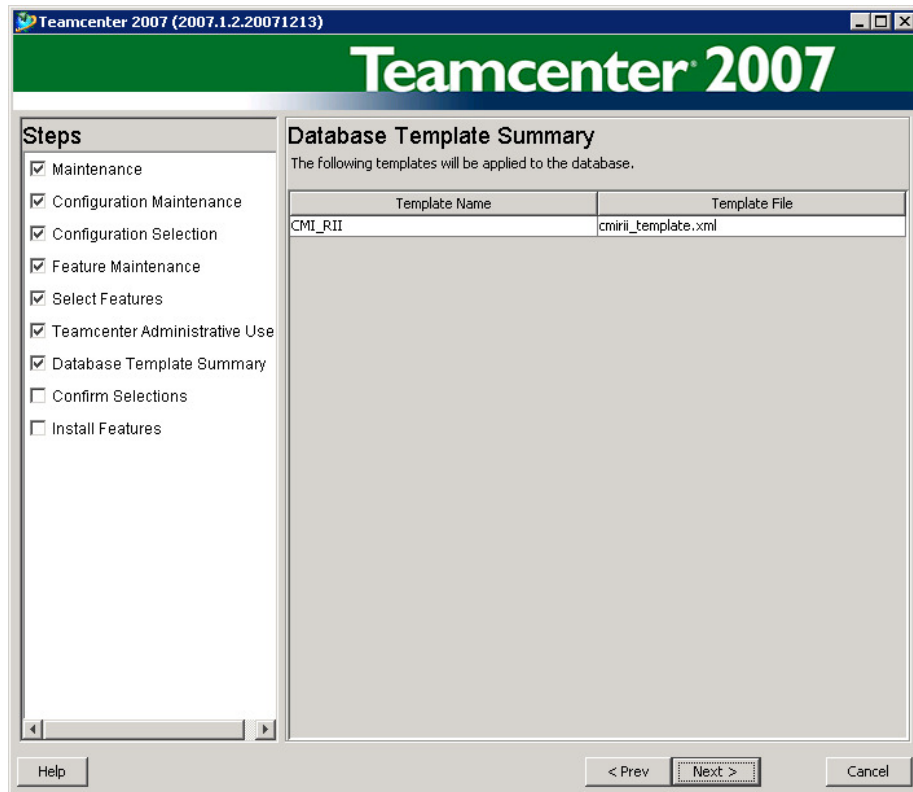


Figure 8: TEM - Teamcenter Administrative User page

9. The Database Template Summary displays a list of the templates which will be applied to the database. Click Next to proceed:



**Figure 9: TEM - Database Template Summary page**

10. On the Confirm Selections page, click Next:



Figure 10: TEM - Confirm Selections page

11. The last page Install Features shows the progress of the installation and, finally, the installation success:

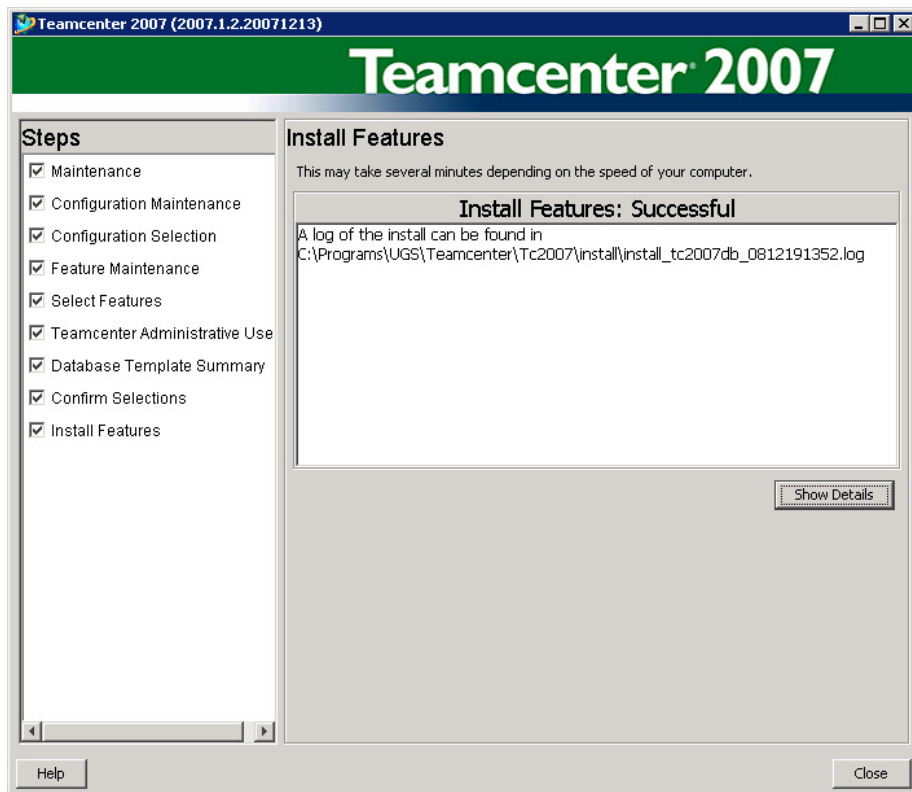


Figure 11: TEM - Install Features page

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12. Restart the database to activate the changes.

# CHAPTER 3

## Client Side Installation

The CMICATV5 (CMI-CATIA V5 Integration) module provided by T-Systems International GmbH extends the CATIA V5 functionality to communicate with the Teamcenter PDM system.

You should perform the following steps with your CATIA system administrator. The CMICATV5 module includes all of the supported platform data in a compressed file. Thus, you should choose an installation location for all CATIA V5 clients.

1. Download the software from <http://www.cmi-support.com/>. Choose “Download” → “CMI RII” → “CMI RII Client Software / Teamcenter 2007 (unified) and select there the appropriate version (CMI RII Client Package for V5R1x / TC 2007).
2. Locate the downloaded archive file (d:\cmicatv5\CMIRIICATV5\_[Rxx]\_V[xxx].zip). Extract the content of the archive file to a temporary installation location.
3. Inside the temporary installation location, locate the folder “c:\install\_test\CMIRIICATV5\_R1x\_94V01\install\windows” for an installation on a client with Windows 32-bit or the folder “c:\install\_test\CMIRIICATV5\_R1x\_94V01\install\windows\_64” for an installation on a client with Windows 64-bit.
4. Start the installation by double-clicking “Setup.exe”.
5. The “CMI RII CATIA V5 Installation Setup” wizard appears. Click Next:

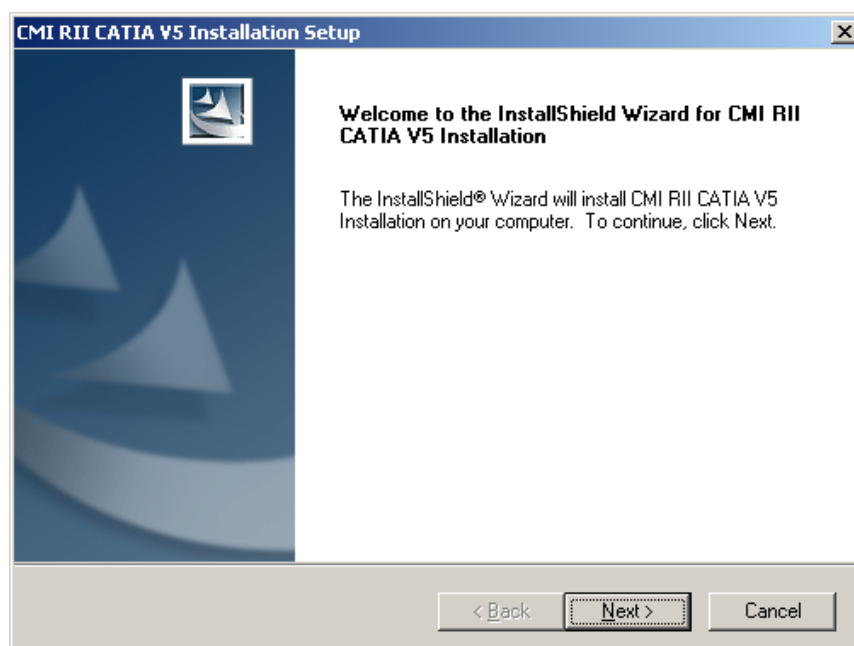
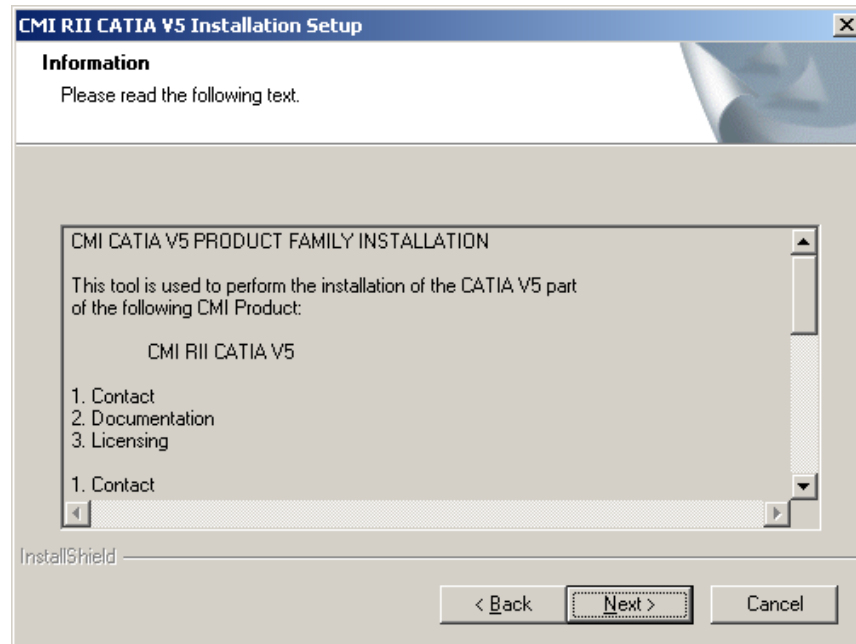


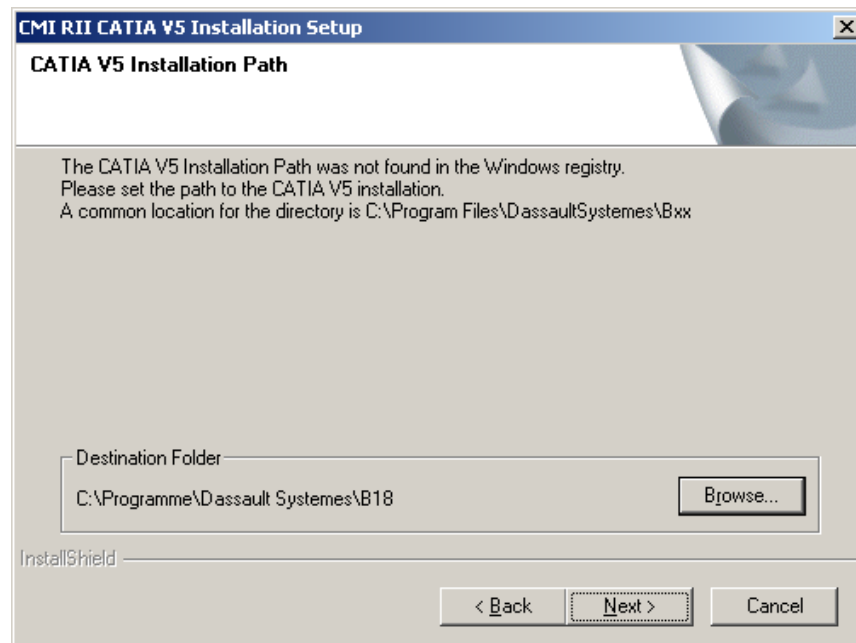
Figure 12: Setup - start page

- The Information page displays a short text with information, such as contacts. Proceed with Next:



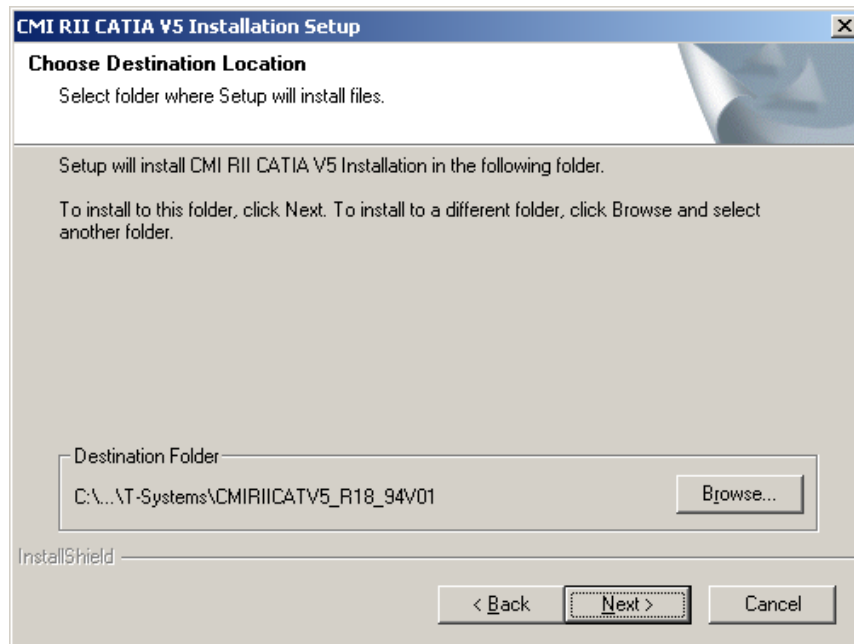
**Figure 13: Setup - Information page**

- On the CATIA V5 Installation Path page you will be asked for the CATIA V5 installation path. If the path was not found in the Windows registry, select the path using the Browse button and proceed with Next:



**Figure 14: Setup – CATIA V5 Installation Path**

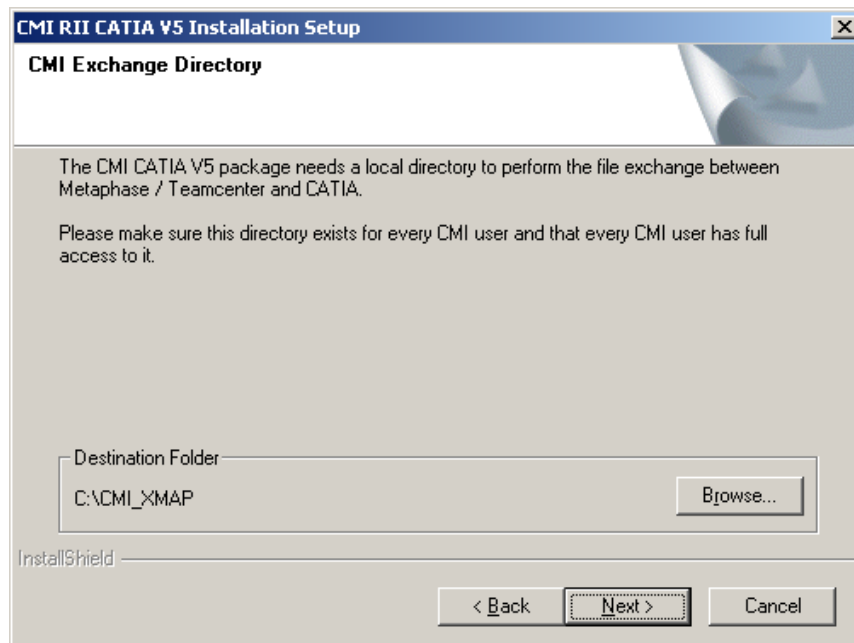
- On the Choose Destination Location you have to enter the folder where setup will install CMI RII CATIA V5. Select the path using the Browse button and proceed with Next:



**Figure 15: Setup - CMI RII CATIA V5 Setup Destination Location Chooser**

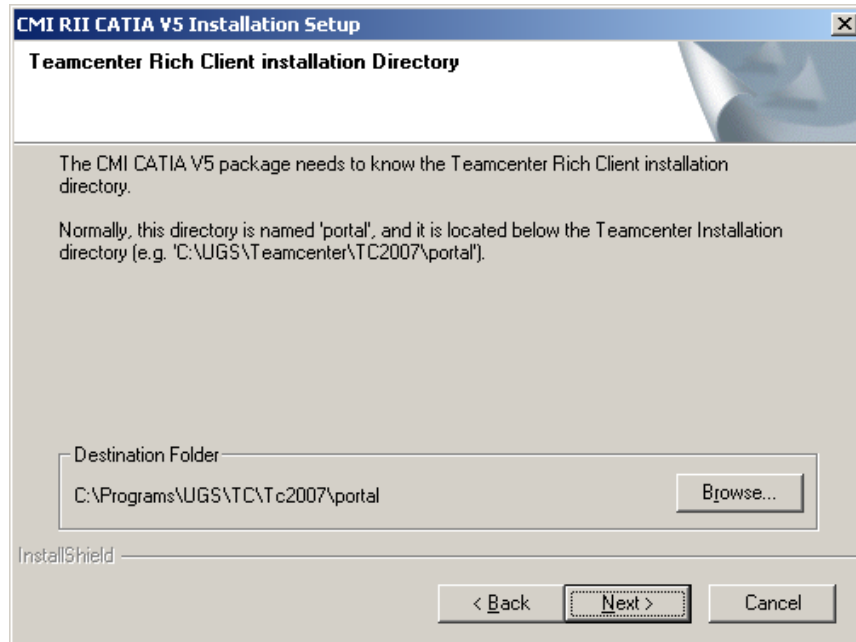
9. To perform file exchange between Teamcenter and CATIA, CMI RII CATIA V5 needs a local directory. Please ensure
  - a. that this directory exists for every CMI RII user and
  - b. that every CMI RII user has full access to it.

Select the path using the Browse button and proceed with Next:



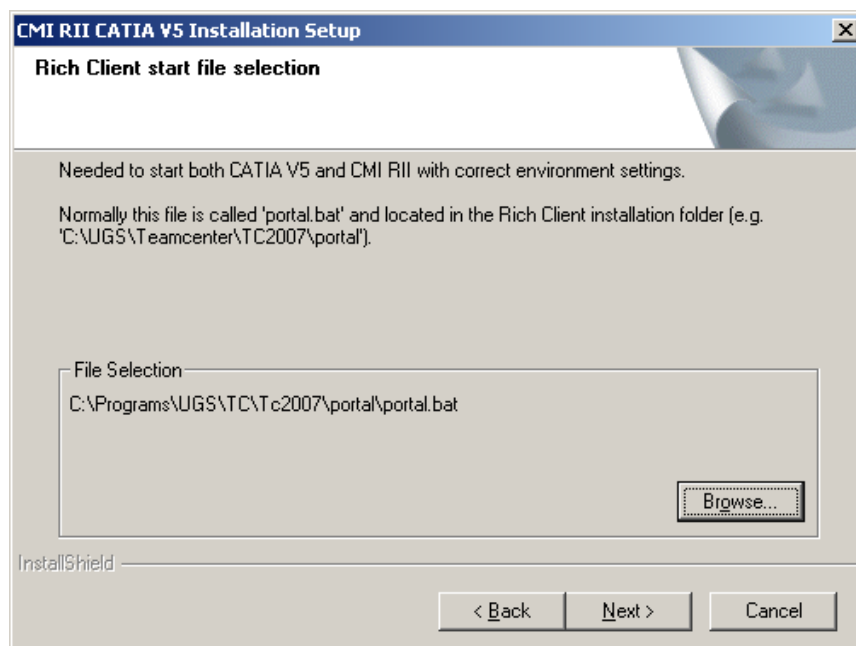
**Figure 16: Setup – CMI Exchange Directory**

10. On the next page you will be asked for the folder, where the Teamcenter Rich Client resides (TC\_PORTAL\_ROOT). This folder contains also the Rich Client start script ("portal.bat" or "otwportal.bat"). The Rich Client folder is usually named "portal", sometimes also "rac" – that depends on your Teamcenter installation (2-tier or 4-tier, patch level). Please contact your Teamcenter system administrator to make sure that the selected path is correct. Select the folder using the Browse button and proceed with Next:



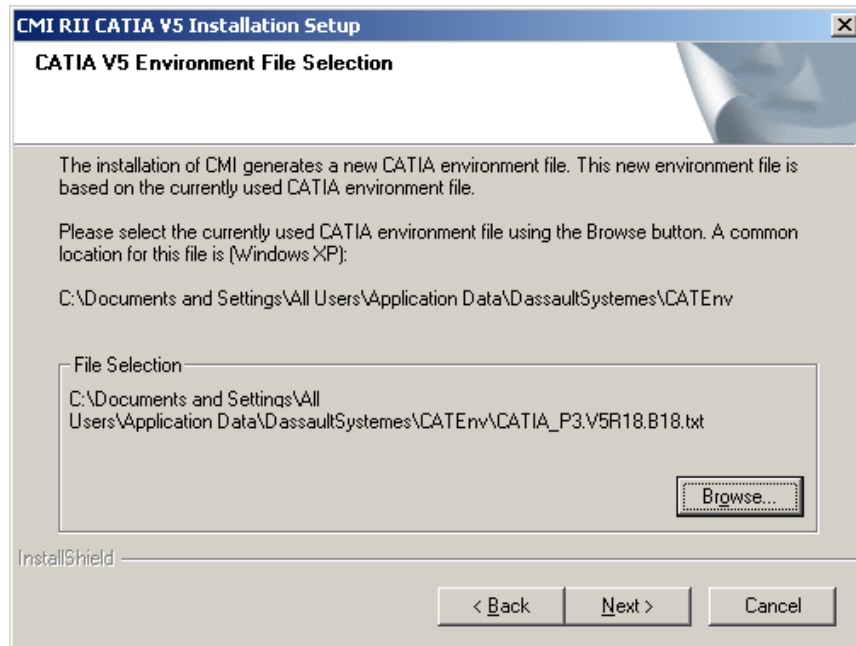
**Figure 17: Setup – TC\_PORTAL\_ROOT Location**

11. Select the Teamcenter Rich Client start file. This is a batch script that is located in the Rich Client folder (the one you have selected in the previous step). The file is usually named "portal.bat". If you have a 4-tier Rich Client OTW installation, the file is usually named "otwportal.bat". Please contact your Teamcenter system administrator to make sure that you have selected the correct file. Select the file using the Browse button and proceed with Next:



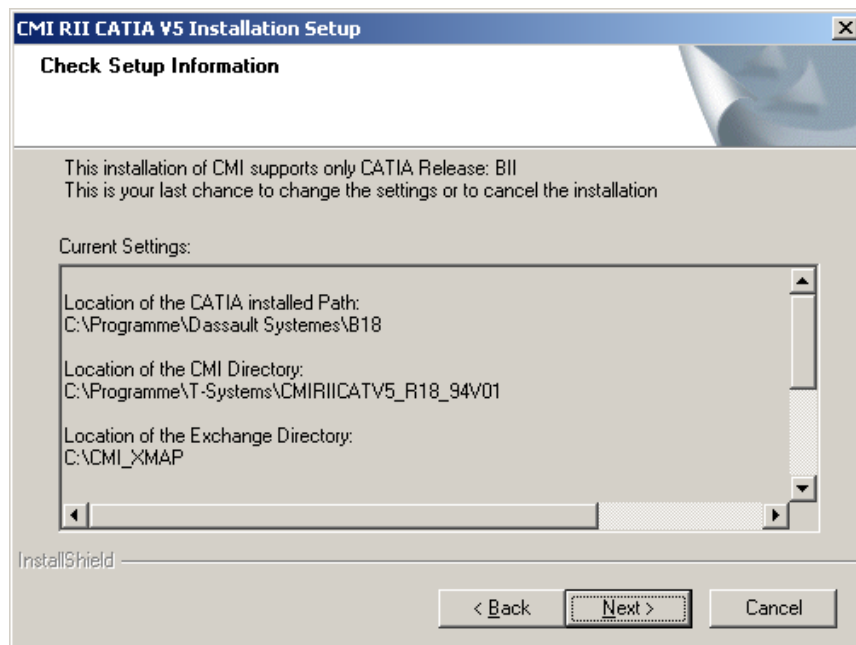
**Figure 18: Setup – Teamcenter Rich Client Start Script Selection**

12. During the installation, CMI RII generates a new CATIA environment file, which is based on the currently used CATIA environment file. Please select the currently used CATIA environment file using the Browse button. Proceed with Next:



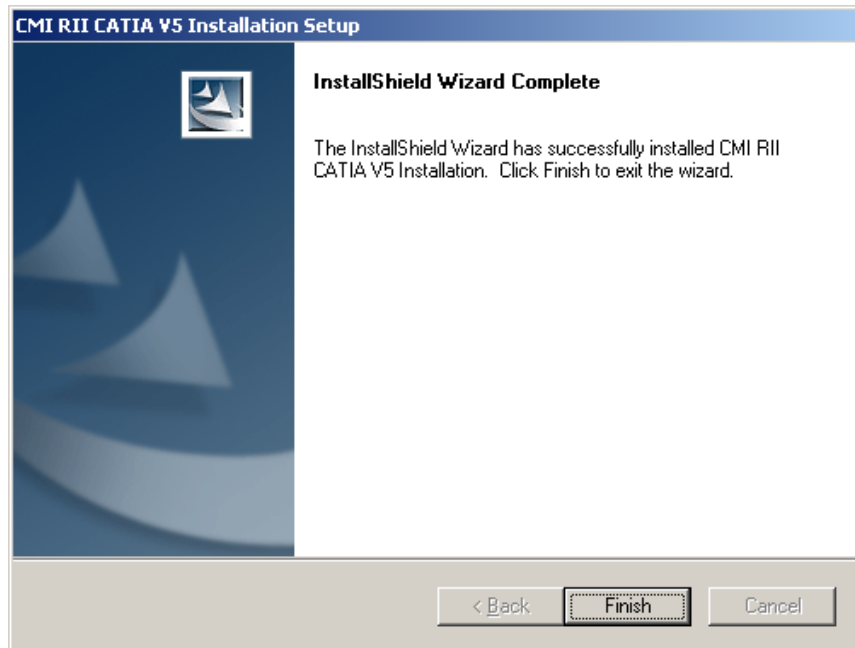
**Figure 19: Setup – CATIA V5 Environment File Selection**

13. The Check Setup Information page lists all information which you have entered. If you detect some wrong information, please use the Back button to enter correct information, otherwise start the installation with click on the Next button:



**Figure 20: Setup – List of entered information**

14. Once the wizard has successfully completed, click Finish:



**Figure 21: Setup - Finished**

# CHAPTER 4

## Starting Client Side Components

During client side installation, the install wizard generates two script files: `cmi_start.bat` and `rii_start.bat`. The wizard also generates start menu entries for both files. The files are located in the CMI RII CATIA V5 installation folder (see “Client Side Installation”, 8.).

### **`cmi_start.bat`**

This file starts CMI CATIA V5.

### **`rii_start.bat`**

This file starts the CMI RII Teamcenter Rich Client.