



IBM Software Group | Rational software

IBM Rational Requirements Composer

Installation and configuration

Rational software



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This module will cover the standard installation and configuration for IBM Rational® Requirements Composer versions 1.0 and higher.

Module objectives

- Topics covered in this module include:
 - ▶ Installation overview
 - ▶ Installing a database server product
 - ▶ Installing and configuring the IBM Rational Requirements Composer server
 - ▶ Installing the Rational Requirements Composer client, creating a repository and creating a project
- When you complete this module, you are able to:
 - ▶ Install a database server
 - ▶ Install and configure the Rational Requirements Composer server
 - ▶ Install the Rational Requirements Composer client, connect to a repository and create a project



This course covers several topics. It covers the Installation overview, installing a database server product and installing and configuring the IBM Rational Requirements Composer server. It also covers installing the IBM Rational Requirements client, creating the IBM Rational Requirements repository and creating an IBM Rational Requirements project. When you complete this module, you will be able to install a database server. The database server is required to host the two Rational Requirements Composer databases that are created during the server initialization. You will also install the Rational Requirements Composer Server and configure the server after the installation. After installing the database server and the Rational Requirements Composer server, you are able to connect the Rational Requirements Composer client to the server in order to start working within the application.

Installation overview – System requirements

- Rational Requirements Composer Client
 - ▶ Operating System
 - Windows® 2003 Enterprise SP2, Windows Vista®, Windows XP Professional SP2
 - ▶ Supported Microsoft® Office Products
 - Microsoft Word 2007 (to view Requirements Composer documents exported to Microsoft Word format)
 - Microsoft Word 2003 SP1, SP2 (to mark content as requirements)
 - ▶ Hardware
 - Processor: 1.5 GHz 32-bit (x86) or 64-bit (x64) processor
 - RAM: 1 to 2GB for client machines; 2 to 4GB for server machines
 - Disk space: 1 GB for client machines; 5 GB+ for servers (depends on amount of data)



This slide covers the system requirements for the Rational Requirements Composer Client. The administrator will need to make sure that each workstation meets or exceeds these requirements before installing the Rational Requirements Composer client.

Installation overview – System requirements (continued)

▪ Rational Requirements Composer Server

▶ Operating System

- Red Hat Enterprise Linux® AS release 4, SUSE Linux Enterprise Server 9.0, Windows Server® 2003, Windows Server 2003 Enterprise Edition SP2

▶ Enterprise database servers

- DB2® Workgroup Server Edition 9.5 fixpack 1
- DB2 Enterprise Edition 9.5 fixpack 1
- DB2-Express V9.1.2, DB2-Enterprise V9.1.2
- Oracle 10g Release 2 Enterprise Edition, Oracle Database 10g Release 2 Standard Edition



This slide covers the system requirements for the Rational Requirements Composer Server.

Installation overview – System requirements (continued)

▶ Application Servers

- Apache HTTP/Tomcat 5.5
- WebSphere® Application Server 6.1

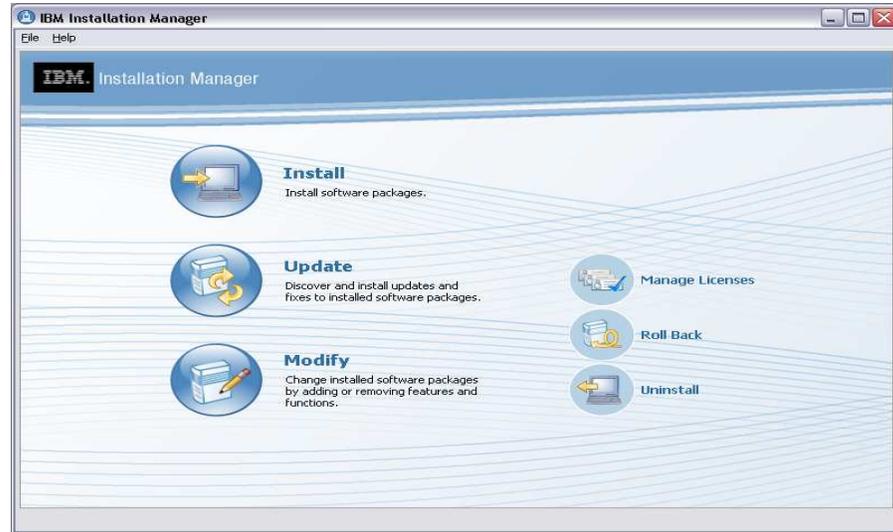
▶ Hardware

- Processor: 1.5 GHz 32-bit (x86) or 64-bit (x64) processor
- RAM: 1 to 2GB for client machines; 2 to 4GB for server machines
- Disk space: 1 GB for client machines; 5 GB+ for servers (depends on amount of data)



This is a continuation of the system requirements for the Rational Requirements Composer server.

Installation overview – IBM Installation Manager



IBM Installation Manager for Rational Software Delivery Platform is an installation management tool that installs and maintains Installation Manager-based software packages. IBM Installation Manager enables you to modify feature sets, search for updates, uninstall, and manage the licenses of installed software. If IBM Installation Manager is not already installed on the system, it is when you run the launchpad.exe. This topic is covered in a later section.

Installing the database management system

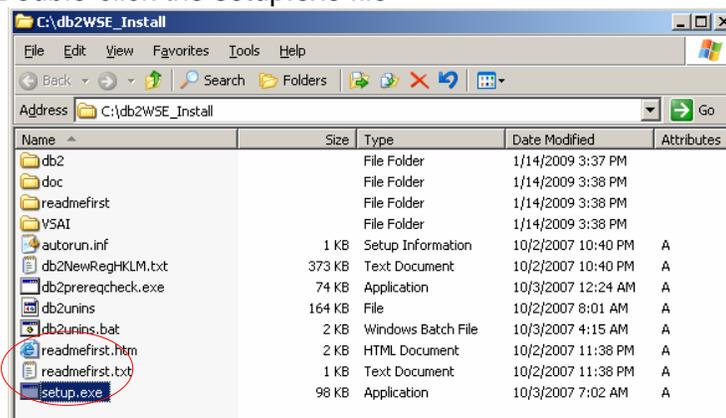
- DB2 Workgroup Server Edition 9.5 fixpack 1
- DB2 Enterprise Edition 9.5 fixpack 1
- DB2-Express V9.1.2,
- DB2-Enterprise V9.1.2
- Oracle 10g Release 2 Enterprise Edition,
- Oracle Database 10g Release 2 Standard Edition



Per the system requirements, you can install one of six database servers. DB2 Workgroup Server Edition 9.5 fixpack 1, DB2 Enterprise Edition 9.5 fixpack 1, DB2-Express V9.1.2, DB2-Enterprise V9.1.2, Oracle 10g Release 2 Enterprise Edition and Oracle 10g Release 2 Standard Edition. In this demonstration, you will install DB2 Workgroup Server Edition 9.5, FixPack01 on Windows 2003 Server. The DB2 installer creates a default user name and password for the DB2 administrator. Keep a record of this information as you will need it when configuring the Rational Requirements Composer server. The default user for Windows is db2admin.

Installing the database management system (continued)

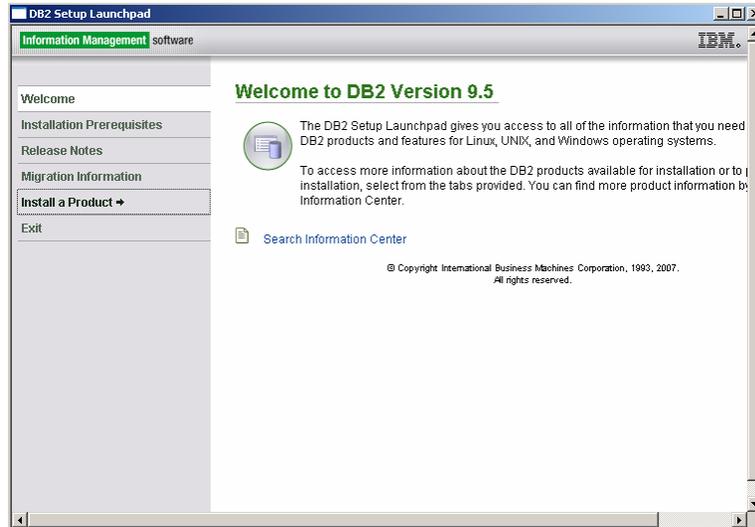
- Launching setup.exe
 - ▶ Access c:\db2WSE_Install
 - ▶ Double-click the setup.exe file



To start the installation of DB2, launch the **setup.exe**. This file is located in the folder where you have extracted the installation bits (for example, c:\db2WSE_Install).

Installing the database management system (continued)

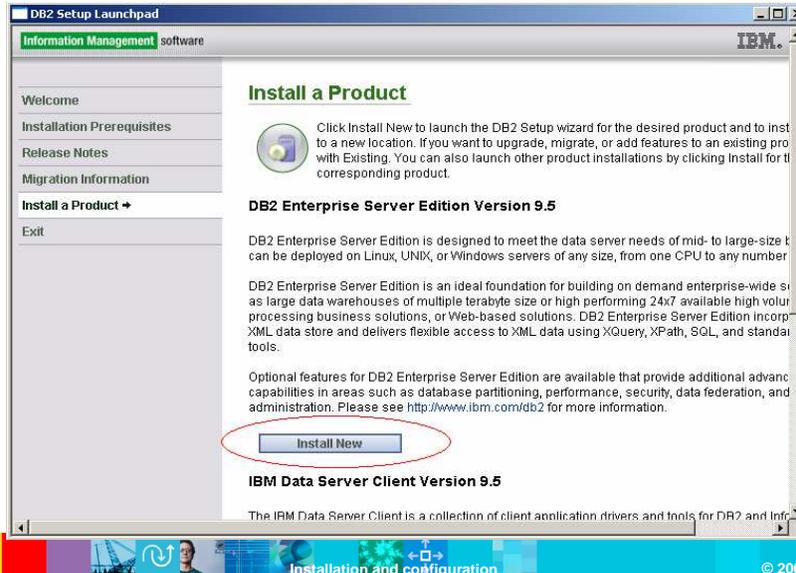
- Click **Install a Product**



Click **Install a Product** to proceed with the installation.

Installing the database management system (continued)

- Click **Install New**



Click **Install New** to start the installation of DB2 Enterprise Server Edition Version 9.5.

Installing the database management system (continued)

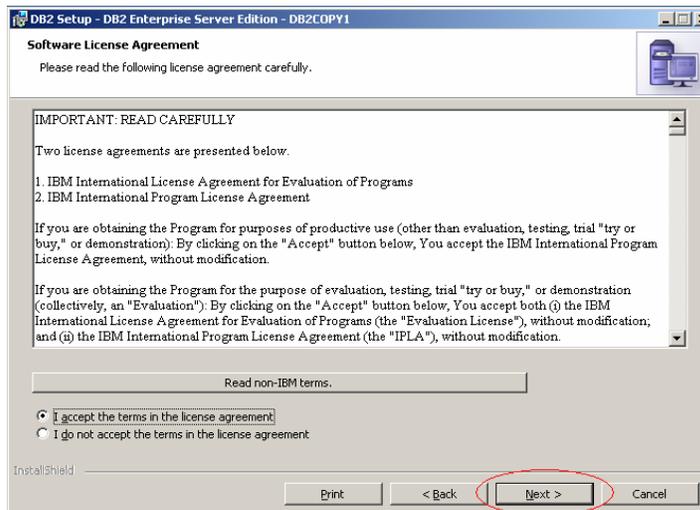
- Click **Next**



Click **Next** to allow the installer to continue with the installation.

Installing the database management system (continued)

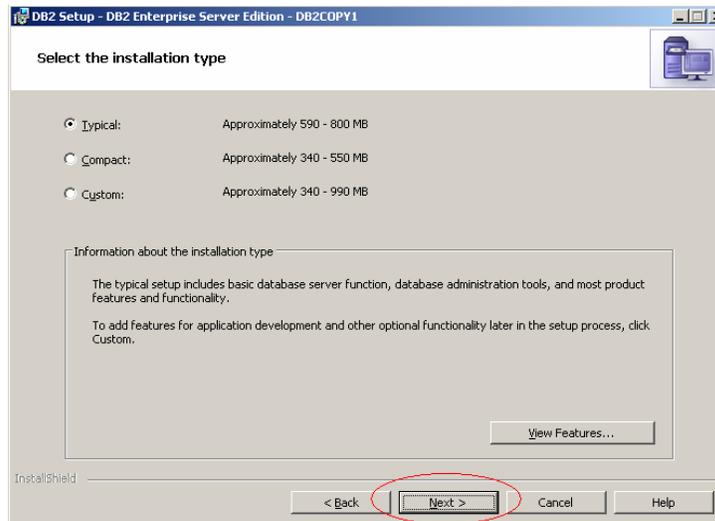
- Accepting the license agreement



Click "I accept the terms in the license agreement" and click "Next" to begin the installation.

Installing the database management system (continued)

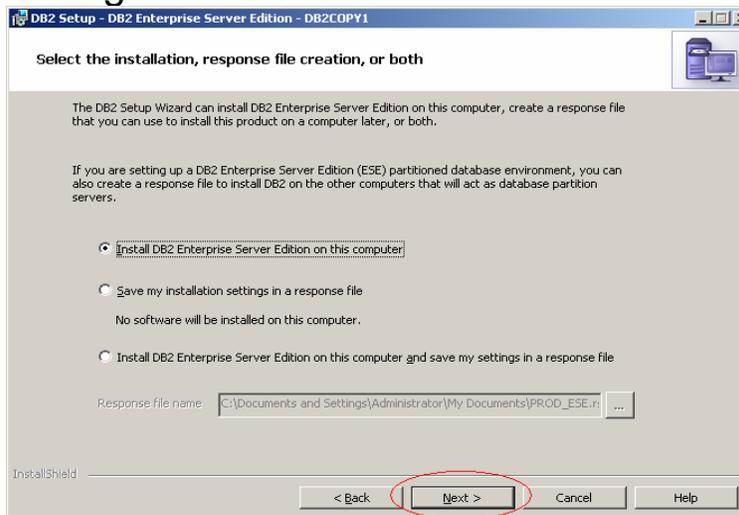
- Select the installation type



For this demonstration, you will accept the default installation options by selecting **Typical**. The typical installation will give you the common components required for running a DB2 server.

Installing the database management system (continued)

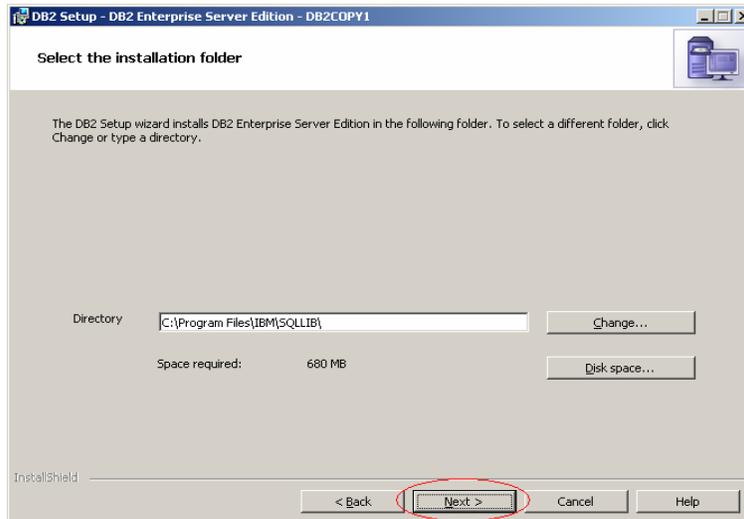
■ Selecting the installation



You will only install the DB2 server on one machine for this demonstration, so you will select the option to **Install DB2 Enterprise Server Edition** on this computer.

Installing the database management system (continued)

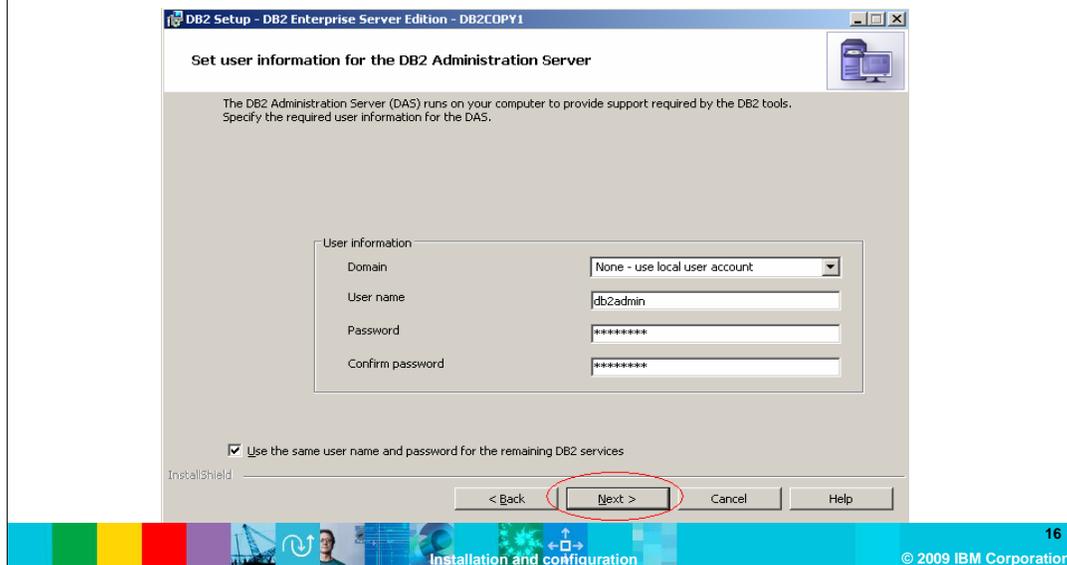
- Selecting the installation folder



Select the installation folder. By default, DB2 is installed to **C:\Program Files\IBM\SQLLIB**.

Installing the database management system (continued)

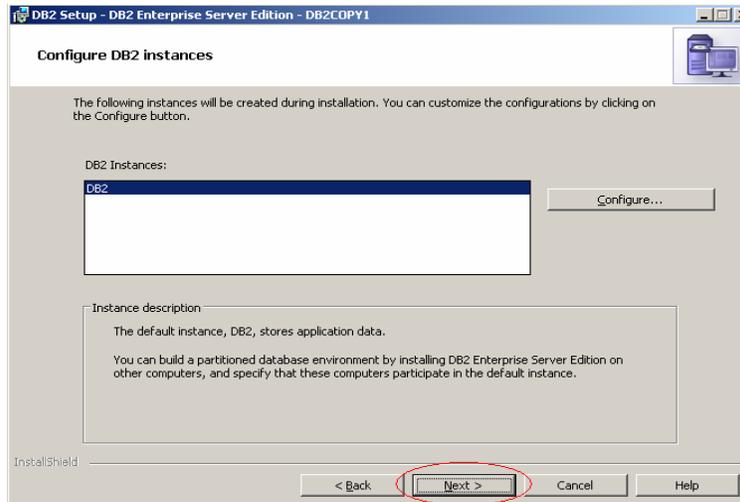
- Creating the **DB2ADMIN** user



DB2 uses Operating System authentication to authenticate to a database. The DB2 installation creates a **DB2ADMIN** user that is a local administrator of the server. Set the password for the **DB2ADMIN** user, and take note of the password as you will need it when configuring the Rational Requirements Composer server.

Installing the database management system (continued)

■ Configure the DB2 Instance



The default DB2 instance name is **DB2**. Keep this default instance name for the demonstration.

Installing the database management system (continued)

- Preparing the DB2 TOOLS database

DB2 Setup - DB2 Enterprise Server Edition - DB2COPY1

Prepare the DB2 tools catalog

The DB2 tools catalog must be created in order to use the Task Center and scheduler. These tools allow you to schedule common tasks such as backups. The DB2 tools catalog must be stored in a DB2 database.

Prepare the DB2 tools catalog

Instance: DB2

Database:

New: TOOLSDB

Existing: ...

Schema:

New: BYSTOOLS

Existing: ...

InstallShield

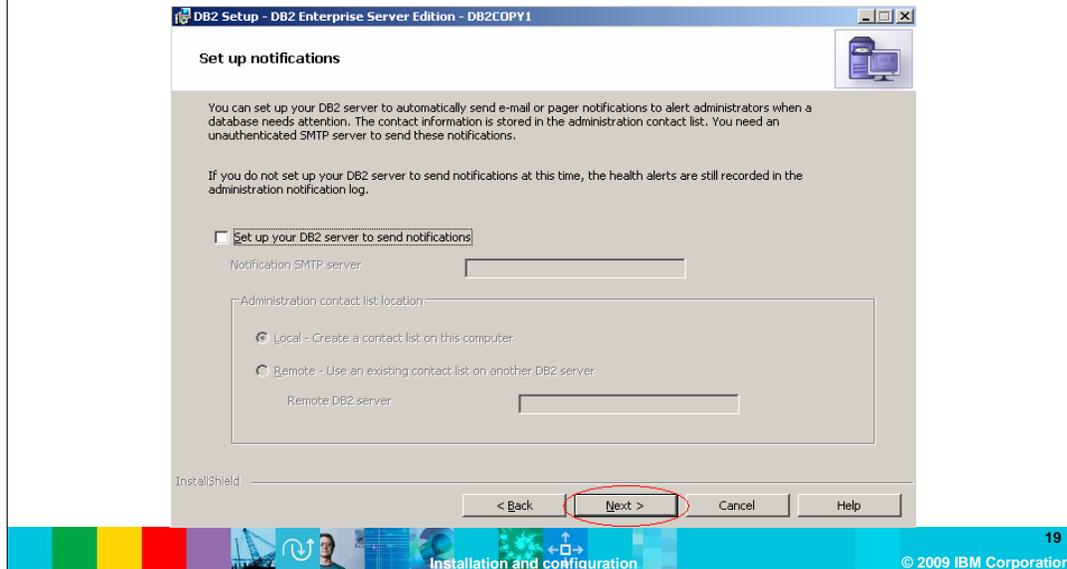
< Back Next > Cancel Help

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The **DB2 TOOLS** database is not required for the installation and configuration of the Rational Requirements Composer server. Skip the TOOLS database creation.

Installing the database management system (continued)

- E-mail notifications



Skip e-mail notifications as this feature has no impact on the installation or configuration of the Rational Requirements Composer server. This is another database administrator task that can be configured at a later time.

Installing the database management system (continued)

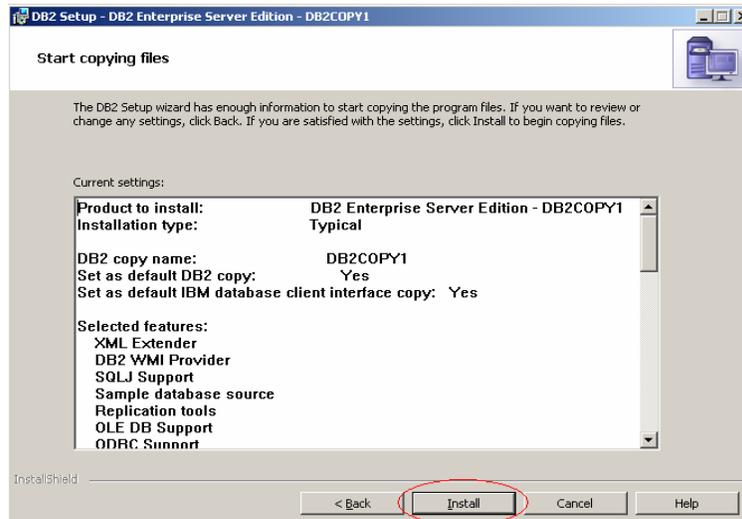
- Enable Operating System security



Accept the defaults for enabling operating system security. This will create the **DB2ADMNS OS** group, and the **DB2USERS** group on the server.

Installing the database management system (continued)

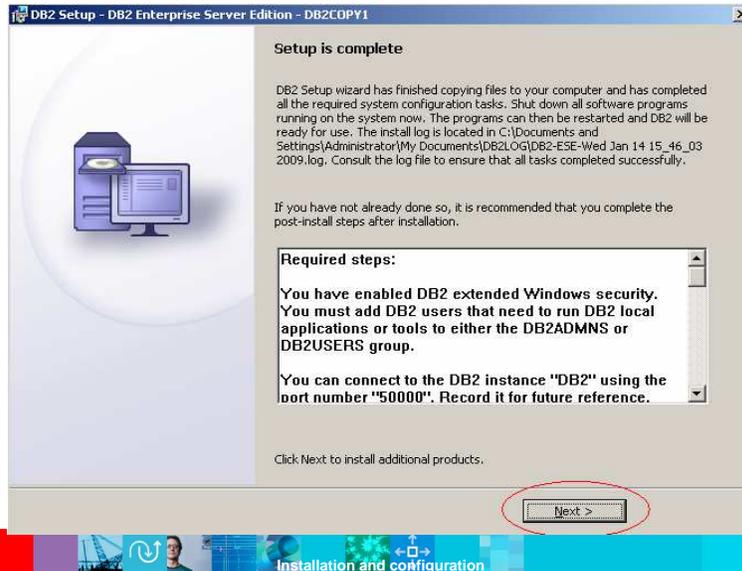
- Review settings and begin installation



Review the installation settings, and select **Install** to start copying files.

Installing the database management system (continued)

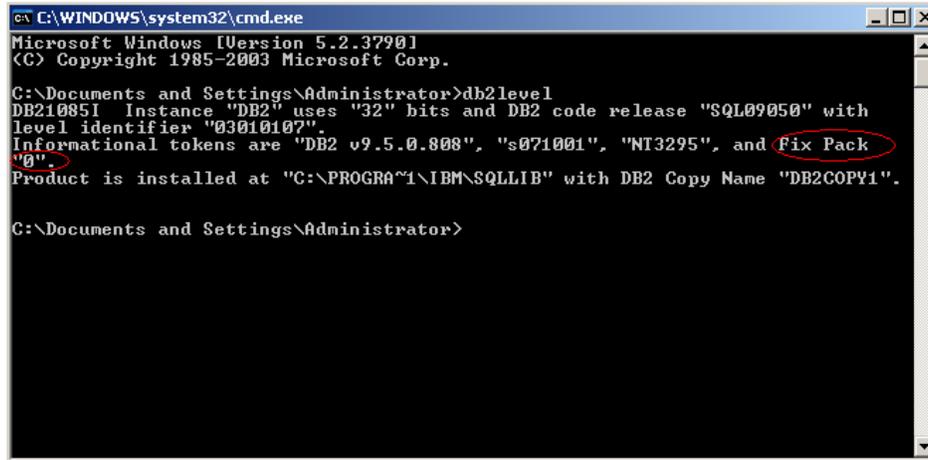
▪ Complete setup



Once the setup is complete, proceed by clicking **Next** and then click **Finish**. The DB2 First steps console will open, and you can click **Exit** or close the window. DB2 Enterprise Server 9.5 has been installed successfully. Per the system requirements, install FixPack01.

Installing the database management system (continued)

- Verifying the version of DB2



```
Microsoft Windows [Version 5.2.3790.1]
(C) Copyright 1985-2003 Microsoft Corp.

C:\Documents and Settings\Administrator>db2level
DB21085I  Instance "DB2" uses "32" bits and DB2 code release "SQL09050" with
level identifier "03010107".
Informational tokens are "DB2 v9.5.0.808", "s071001", "NT3295", and Fix Pack
"0".
Product is installed at "C:\PROGRA~1\IBM\SQLLIB" with DB2 Copy Name "DB2COPY1".

C:\Documents and Settings\Administrator>
```

To verify the version of DB2, go to a command prompt by clicking **Start -> Run -> cmd**. Enter the command **db2level** once inside the command prompt. You can see that you only have the base installation of DB2 Enterprise Server Edition 9.5 (FixPack 0).

Installing the database management system (continued)

- Installing FixPack01 (or higher)

Windows (32-bit, Intel & AMD) -- (DB2 32-bit)				
No.	Description	DD	FTP	Fix Pack Information
3a	V9.5 Fix Pack 3a for Windows (32 bit)			Note: Flash! IBM response to V9.5 HIPER APARs.
	DB2 Connect Personal Edition			
	Language Independent	↓	FTP	PTF number: WR21427 Build level: s081210 Prerequisite: V9.5 GA Signature: 9.5.301.436 Release Date: 06 Jan 2009
	DB2 Query Patroller			
	Language Independent	↓	FTP	
	DB2 Server Fix Pack Enterprise Server Edition Workgroup Server Edition Express Edition Personal Edition DB2 Connect Server			Fix List (APARs): html text System Prerequisites Readmes (html) Release Notes (html) Fix Pack Summary
	Language Independent	↓	FTP	
	DB2 Spatial Extender			
	Language Independent	↓	FTP	
	IBM Data Server Client			
	Language Independent	↓	FTP	
	IBM Data Server Driver for ODBC and CLI			
	Language Independent	↓	FTP	
	IBM Data Server Driver for ODBC, CLI, .NET and Open Source			

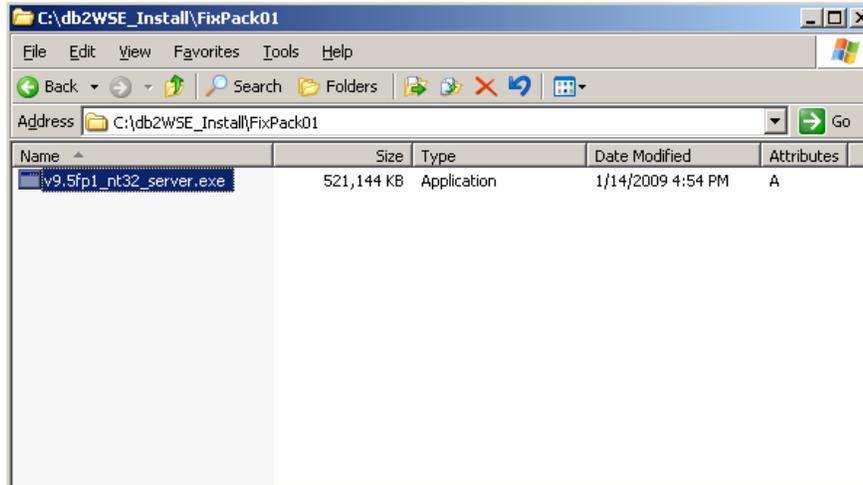


If you search www.ibm.com for DB2 9.5 FixPack01, you are brought to the DB2 support page for DB2 9. From there you can navigate to FixPack01 for Windows. You can choose to install a higher fixpack level, however for this demonstration you will install FixPack01.

http://www-01.ibm.com/support/docview.wss?rs=71&context=SSEPGG&context=SSEPDU&context=SSVGXH&context=SSVGZB&context=SSYK8P&context=SSTLZ9&dc=D400&uid=swg21288110&loc=en_US&cs=utf-8&lang=en

Installing the database management system (continued)

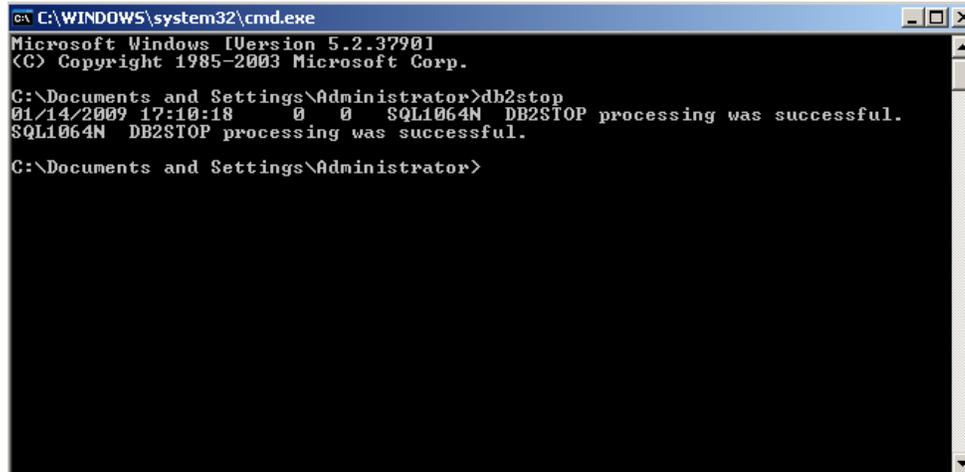
- Extracting the FixPack01 installation files



Execute the file that has been downloaded that contains the installation for FixPack01. The file name can vary depending on the version of DB2 being used. In this case, you have a self-extracting archive file that unpacks the installation files in to a directory you have specified.

Installing the database management system (continued)

- Stopping the DB2 Server



```
C:\WINDOWS\system32\cmd.exe
Microsoft Windows [Version 5.2.3790]
(C) Copyright 1985-2003 Microsoft Corp.

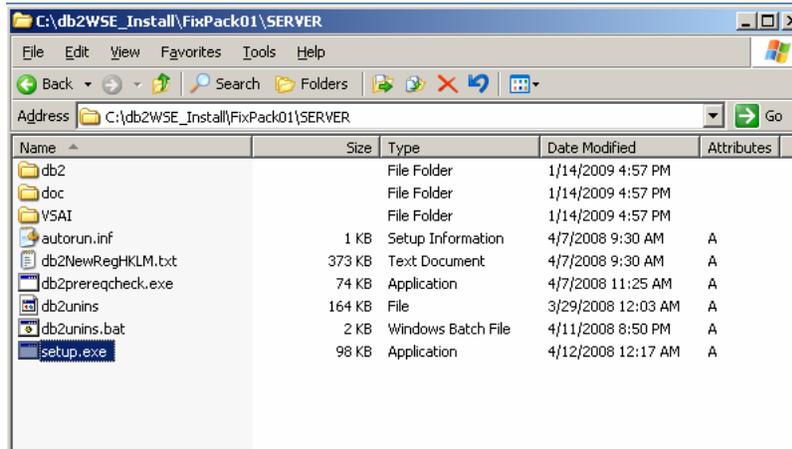
C:\Documents and Settings\Administrator>db2stop
01/14/2009 17:10:18      0      SQLI064N DB2STOP processing was successful.
SQLI064N DB2STOP processing was successful.

C:\Documents and Settings\Administrator>
```

In order to install a FixPack, you must shut down the DB2 server by entering **db2stop** from a command prompt.

Installing the database management system (continued)

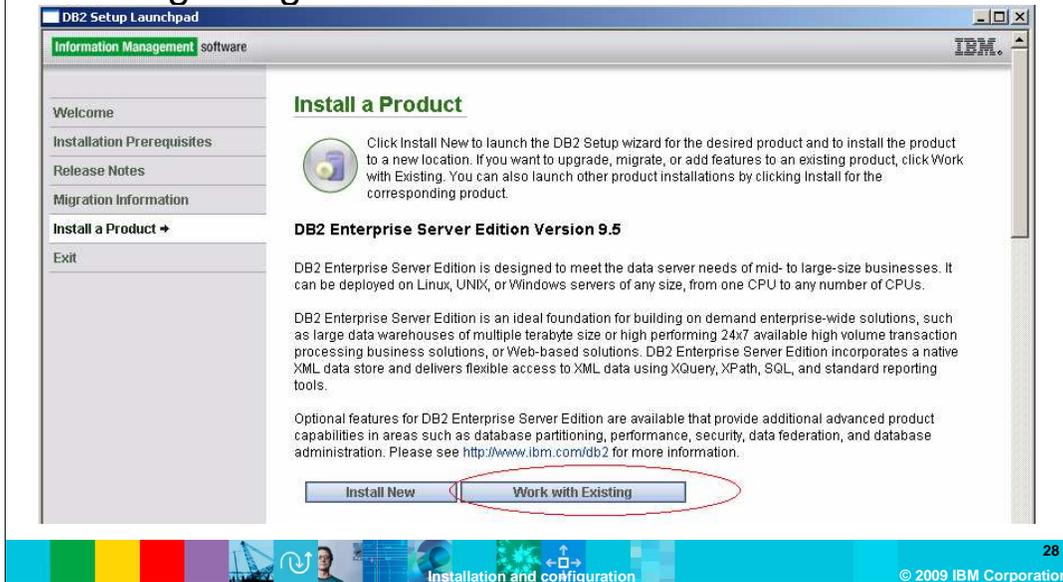
- Beginning the FixPack01 installation



Navigate to the directory where the installation files were unpacked, and run **setup.exe**.

Installing the database management system (continued)

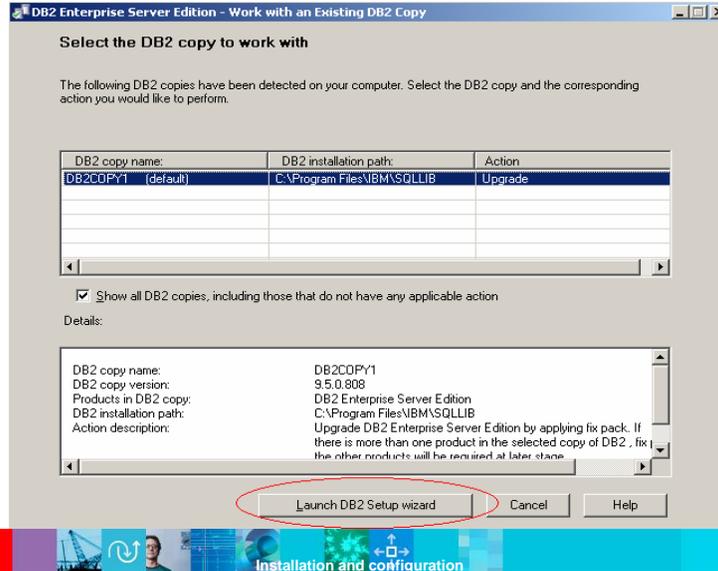
■ Beginning the FixPack01 installation



The same set of screens are presented that you saw when installing the DB2 server. Click **Install a Product** and then **Work with Existing**.

Installing the database management system (continued)

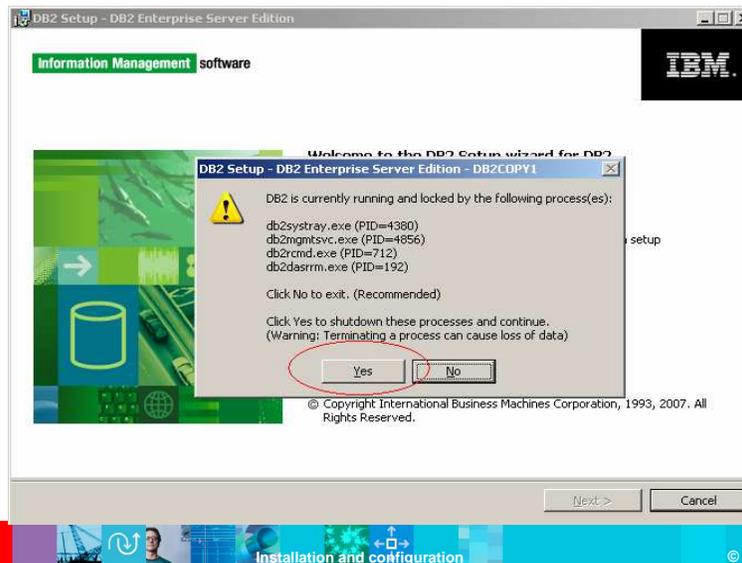
■ Selecting the DB2 copy



You only have one copy of DB2 installed on your server, so you can select the DB2 copy name (DB2COPY1), and select **Launch DB2 Setup Wizard**.

Installing the database management system (continued)

- Starting the installation



If the installer detects running DB2 processes, allow it to end the processes by clicking **Yes**. Once this completes, click **Next** to begin the installation.

Installing the database management system (continued)

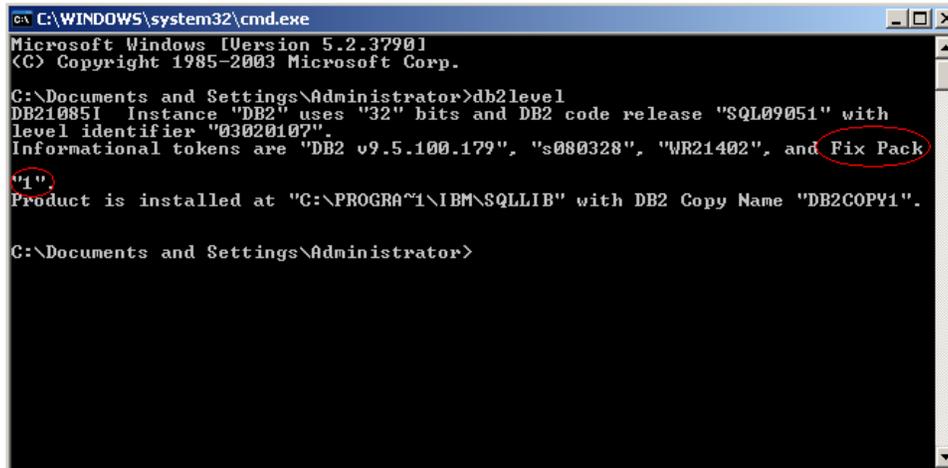
- Completing the installation



Once the setup has completed, click **Next** and then click **Finish**. You are prompted to restart your machine. Once the server has been restarted, you can verify the version of DB2 is now at FixPack01.

Installing the database management system (continued)

- Verifying the version of DB2



```
ex C:\WINDOWS\system32\cmd.exe
Microsoft Windows [Version 5.2.3790.1
(C) Copyright 1985-2003 Microsoft Corp.

C:\Documents and Settings\Administrator>db2level
DB21085I  Instance "DB2" uses "32" bits and DB2 code release "SQL09051" with
level identifier "03020107".
Informational tokens are "DB2 v9.5.100.179", "s080328", "WR21402", and Fix Pack
"1".
Product is installed at "C:\PROGRA~1\IBM\SQLLIB" with DB2 Copy Name "DB2COPY1".

C:\Documents and Settings\Administrator>
```

To verify the version of DB2, go to a command prompt by clicking **Start -> Run -> entering cmd** and clicking OK. Enter the command **db2level** once inside the command prompt. You can now see that you are running FixPack01.

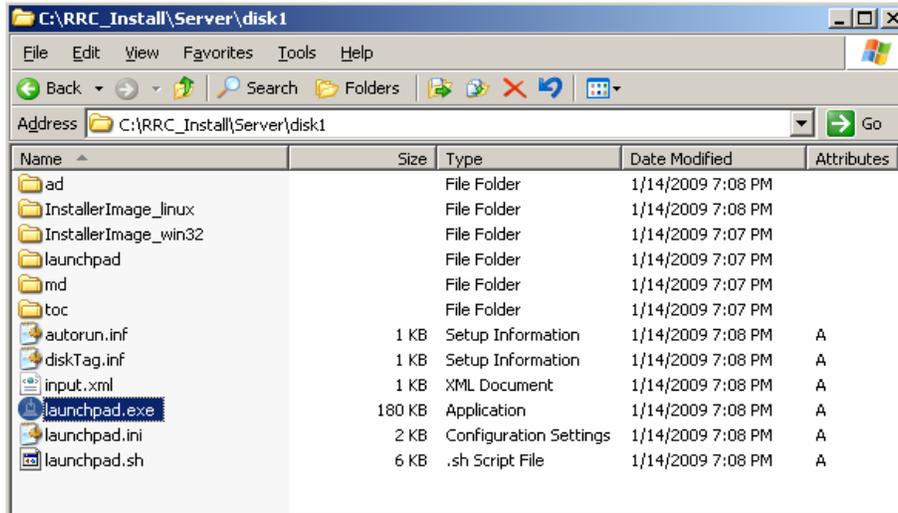
Installing the Rational Requirements Composer server

- Launching the installer
 - ▶ Applying the latest patches during the install
 - ▶ Configuring the installation



Before proceeding with the server installation, make sure you are logged in as a local administrator on the system.

Installing the Rational Requirements Composer server (continued)



Begin by locating the Rational Requirements Composer server installation files, and launching the installer by double-clicking the **launchpad.exe** file located in the **RRCS\disk1** folder.

Installing the Rational Requirements Composer server (continued)

- Begin the installation



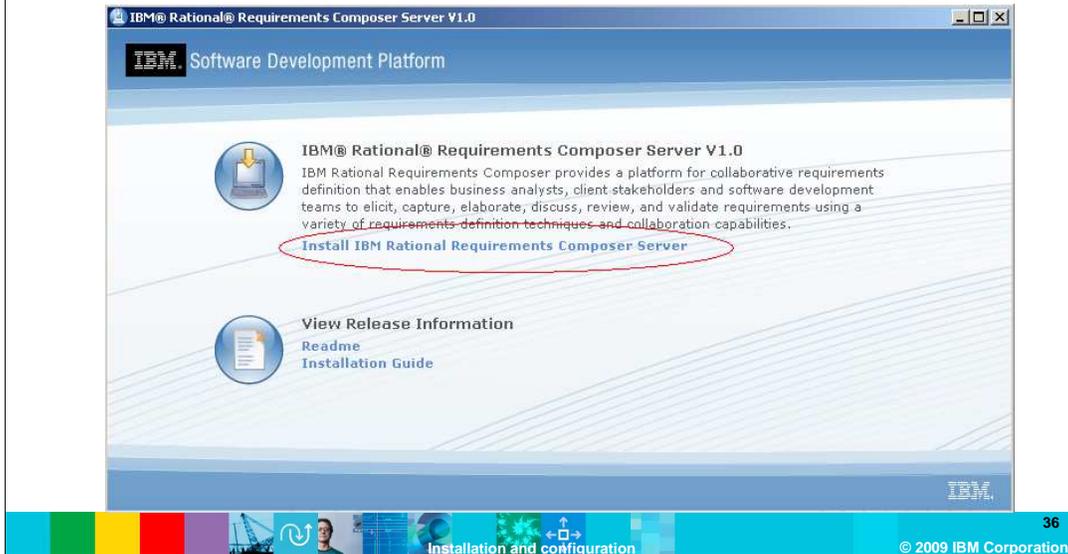
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To begin the installation, select a language to be used for the Installation Manager.

Installing the Rational Requirements Composer server (continued)

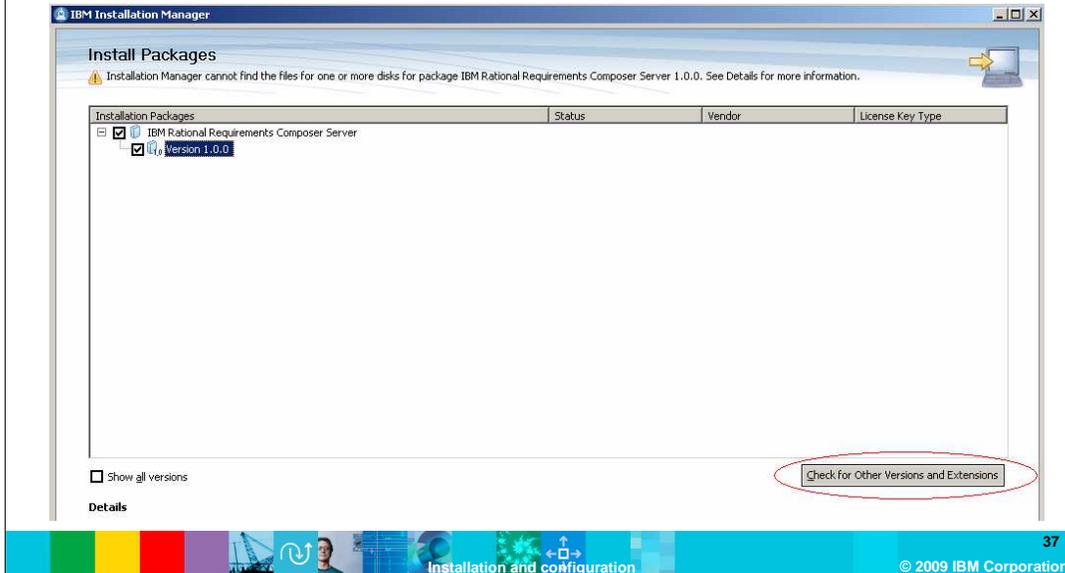
- Begin the installation



Click the button **Install IBM Rational Requirements Composer Server** to launch the installer. If Installation Manager has not yet been installed, it is installed at this time. If Installation Manager has already been installed by another product, it will launch and begin the Installation Configuration.

Installing the Rational Requirements Composer server (continued)

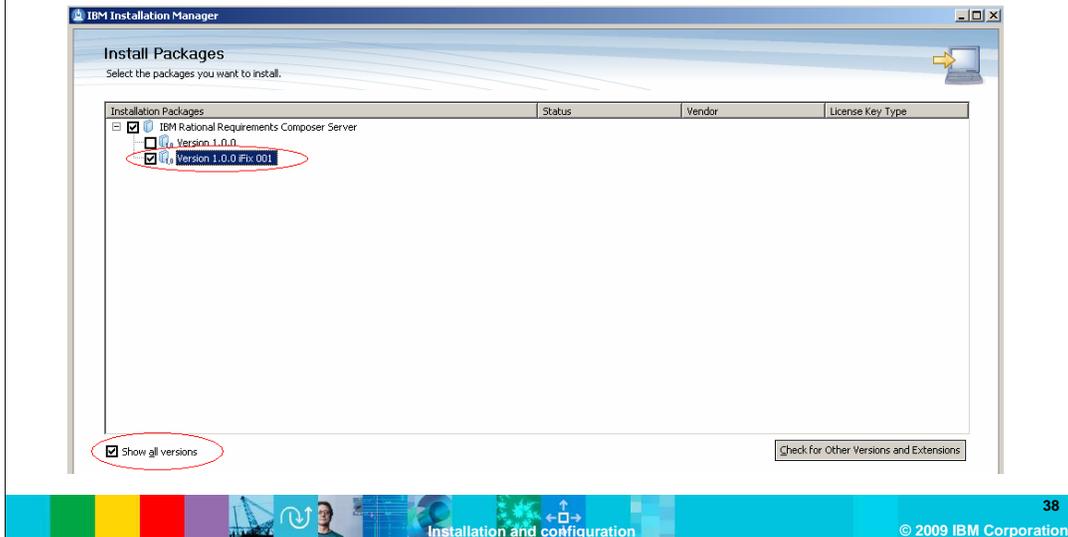
- Checking for updates



Installation Manager will launch with the package IBM Rational Requirements Composer Server, with Version 1.0.0 selected. You can choose to either install the 1.0 release, or you can search for fixes to apply automatically during the installation. Since you know that iFix01 is available for the RRC Server, you will click the **Check for Other Versions and Extensions** button to avoid having to apply the iFix at a later time.

Installing the Rational Requirements Composer server (continued)

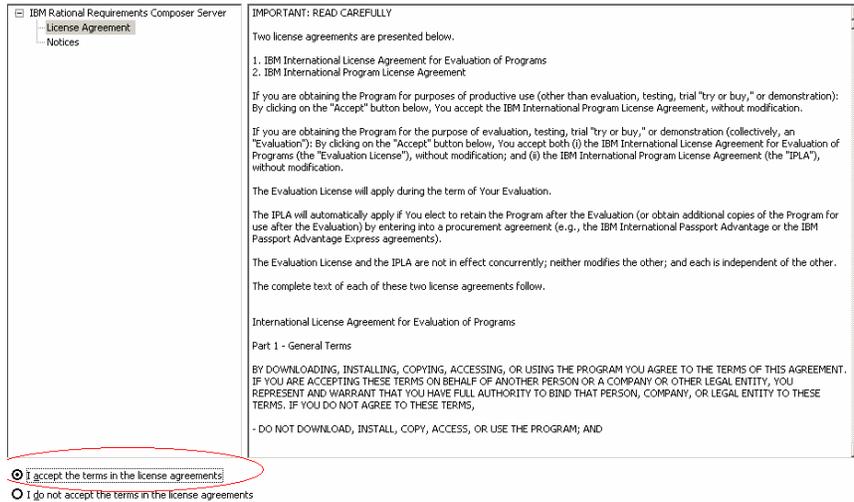
- Checking for updates



By selecting the **Show all versions** button, you can now select **Version 1.0.0 iFix 001**, and click **Next** to begin the installation of Rational Requirements Composer 1.0 Server, with iFix01.

Installing the Rational Requirements Composer server (continued)

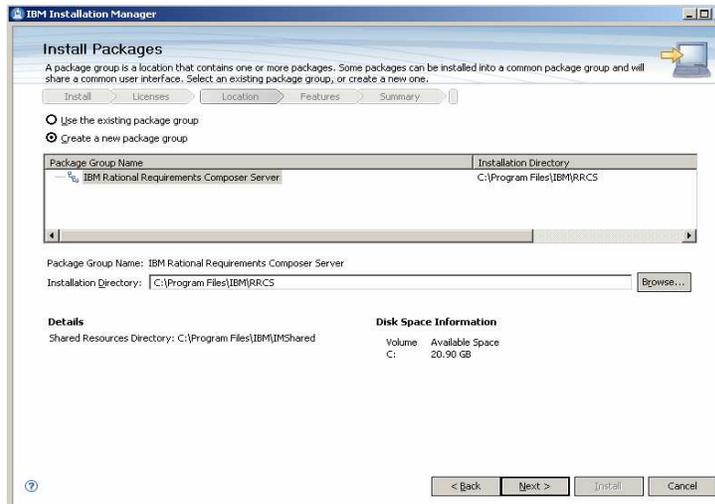
■ Accepting the license agreement



Read the license agreement, and select the button **"I accept the terms in the license agreements"** if you accept the terms. Then click **Next** to continue with the installation.

Installing the Rational Requirements Composer server (continued)

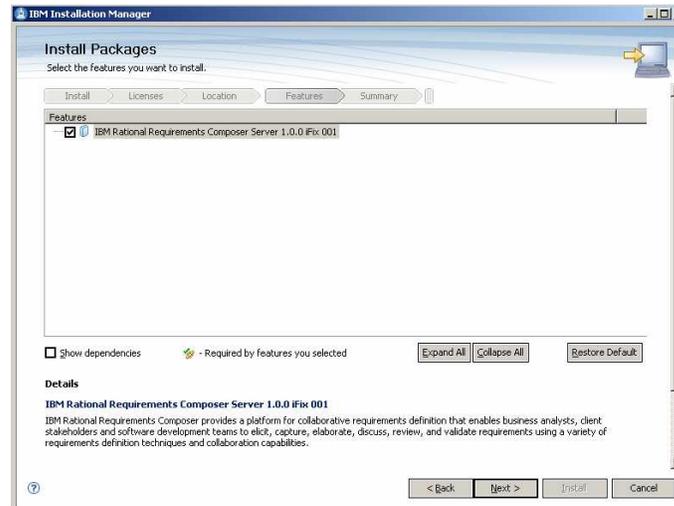
- Creating the package group



You are going to install Rational Requirements Composer Server to a new package group that has not yet been defined. The default package group is **C:\Program Files\IBM\RRCs**. If you wanted to install to an already existing package group, you can choose to do so by selecting the **Use the existing package group** button. For this demonstration, create a new package group. Click **Next** to continue.

Installing the Rational Requirements Composer server (continued)

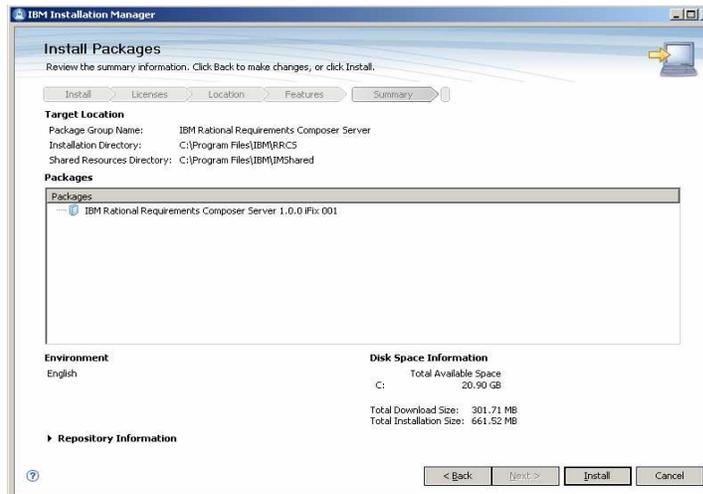
- Selecting the feature to be installed



You are now presented with a screen that asks you to select the feature to be installed. In this case, select the default **IBM Rational Requirements Composer Server 1.0.0 iFix001**. Click **Next** to begin the installation.

Installing the Rational Requirements Composer server (continued)

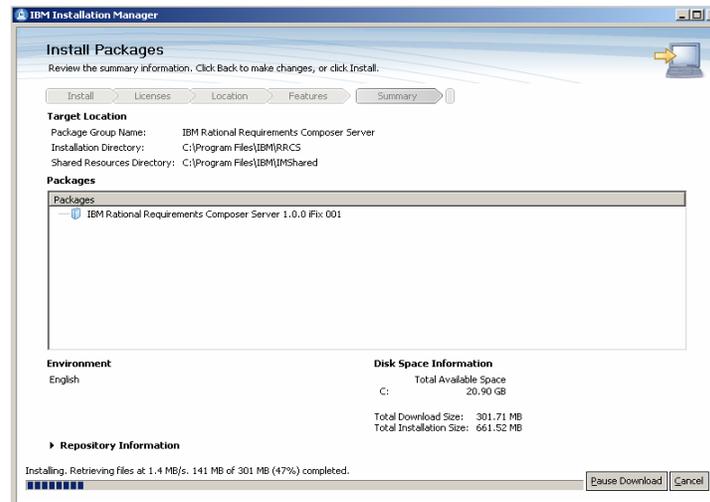
■ Installation Summary



This screen gives you a summary of your installation. Included in this screen is information about free disk space, the download size, and the size of the installation once completed. Click **Install** to begin copying files.

Installing the Rational Requirements Composer server (continued)

- Copying files



The files are now be copied on to your server, and the installation will finish. IBM Rational Requirements Composer Server 1.0.0 with iFix001 is now present on your system.

Installing the Rational Requirements Composer server (continued)

- Installation Complete



Once the installation has finished, you will see a confirmation page stating that the installation has completed successfully. Click **Finish** to close the installation wizard.

Configuring the Rational Requirements Composer server

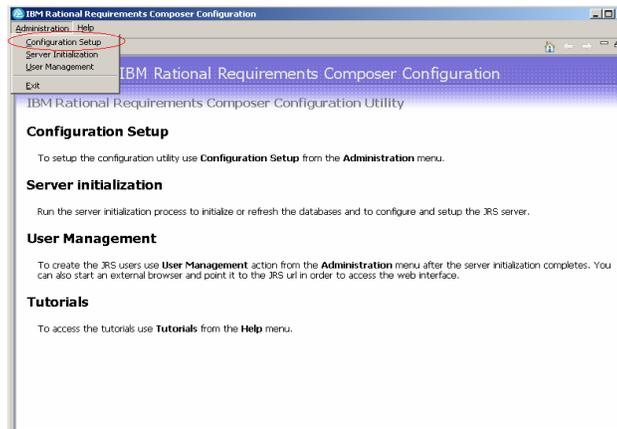
- Configuration setup
 - ▶ Entering configuration parameters
 - ▶ Validating the parameters
 - ▶ Saving the parameters
- Server initialization
- User management
 - ▶ Creating the JRS functional user
 - ▶ Creating additional users



You now need to configure the Rational Requirements Composer Server. After these steps are completed, your DB2 database is created with the appropriate tables and indexes, and you will have a valid server ready for client connectivity.

Configuring the Rational Requirements Composer server (continued)

- Launching the configuration tool
 - ▶ Start -> Programs -> IBM Rational Requirements Composer Server -> Configure IBM Rational Requirements Composer



Once the configuration tool has been launched, click the **Administration** Menu, and select **Configuration Setup**.

Configuring the Rational Requirements Composer server (continued)

- Entering configuration parameters (JRS)

Configuration Setup Wizard

Jaz REST Services Server Settings

Set the Jaz REST Services server settings for the current configuration

Jaz REST Services server settings

Jaz REST Services database type selection

DB2

Oracle

Jaz REST Services server type selection

Apache Tomcat

IBM Websphere Application Server

Jaz REST Services server URL: https://localhost:9443/jazz/

Jaz REST Services server installation path: c:\Program Files\IBM\RRCS\jazz

Jaz REST Services server admin user: ADMIN

Jaz REST Services server admin password: *****

Jaz REST Services database user: jrsuser

Jaz REST Services database password: *****

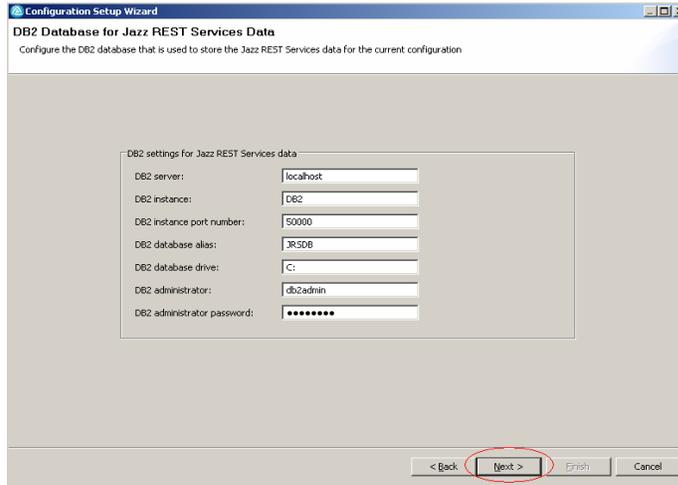
Confirm password: *****

< Back Next > Finish Cancel

For this demonstration, use DB2 as the back-end database, and Apache Tomcat for the Jazz™ REST Services (JRS) server. You can leave the defaults, but change the JRS database user/password. If this user does not exist, it is created on the system with the username and password specified. If the user already exists on the server, specify the current password for the jrsuser. For this demonstration, you have this user on your system, so change the password and allow the configuration tool to create the user once you are finished. Note, the default password for the **ADMIN** user is **ADMIN**. Use this to log into the server later. This user can be disabled after the server has been created.

Configuring the Rational Requirements Composer server (continued)

- Entering configuration parameters (JRSDB)



Configuration Setup Wizard

DB2 Database for Jazz REST Services Data

Configure the DB2 database that is used to store the Jazz REST Services data for the current configuration

DB2 settings for Jazz REST Services data

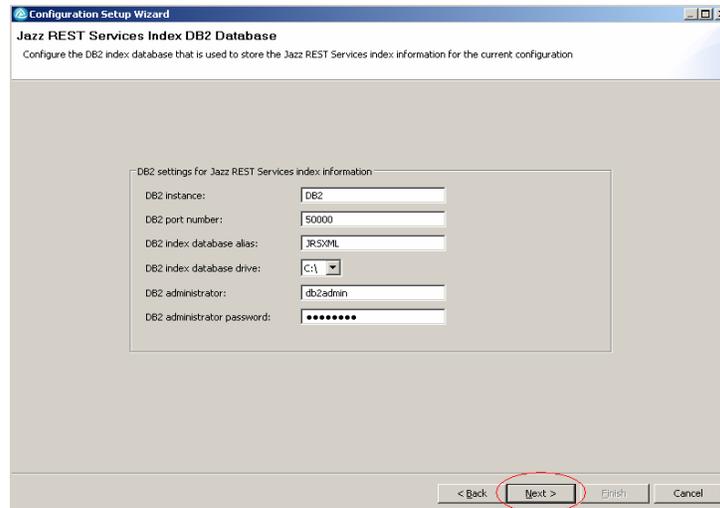
DB2 server:	localhost
DB2 instance:	DB2
DB2 instance port number:	50000
DB2 database alias:	JRSDB
DB2 database drive:	C:
DB2 administrator:	db2admin
DB2 administrator password:	*****

< Back **Next >** Finish Cancel

Fill in the required fields. The DB2 administrator was the user you created during the installation of the DB2 server. Specify the same password you created for the user. The default port for the DB2 server is 50000, and the server is running on localhost. A database called **JRSDB** is created on the DB2 server once you begin the server initialization.

Configuring the Rational Requirements Composer server (continued)

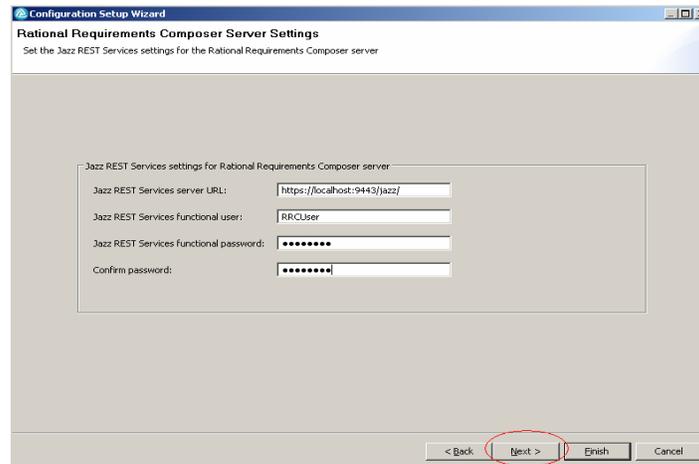
■ Entering configuration parameters (JRSXML)



Fill in the required fields. The values are similar to what was entered in the previous step. A database named **JRSXML** is created during server initialization. This is the DB2 index database.

Configuring the Rational Requirements Composer server (continued)

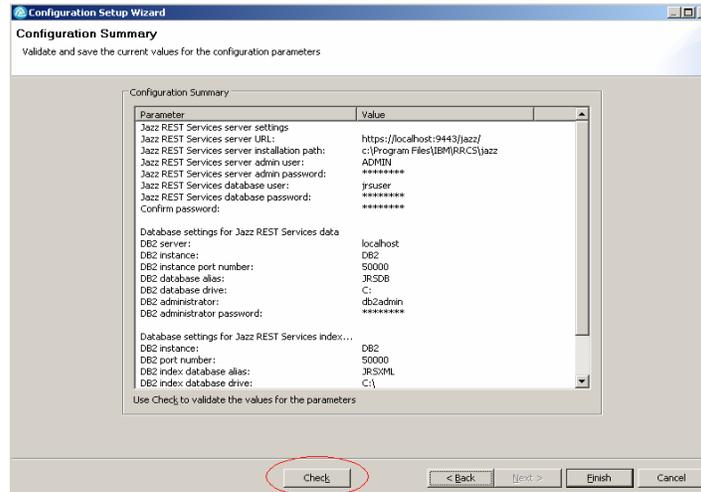
- Entering configuration parameters (Functional User)



Enter a name and password for the Jazz REST services functional user. This user is created later on in the configuration.

Configuring the Rational Requirements Composer server (continued)

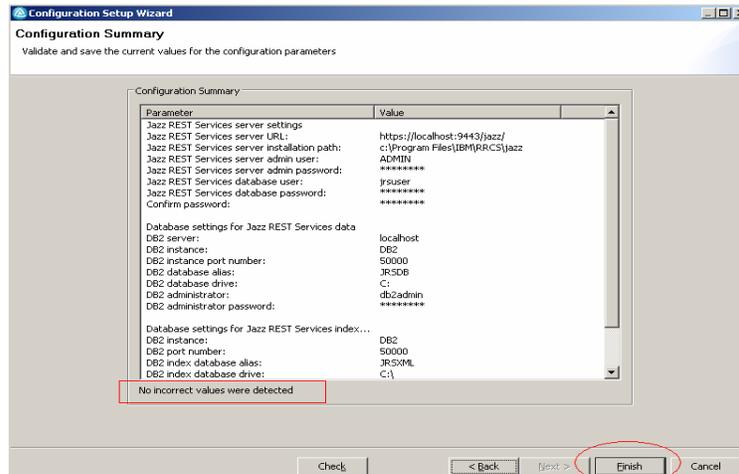
- Configuration summary



The configuration summary screen shows the details of the parameters you entered during the configuration. Click **check** to verify that the information you entered is valid, otherwise failures can occur during the server initialization if the values are not valid. Make sure that the DB2 database server has been started, and that the instance is running.

Configuring the Rational Requirements Composer server (continued)

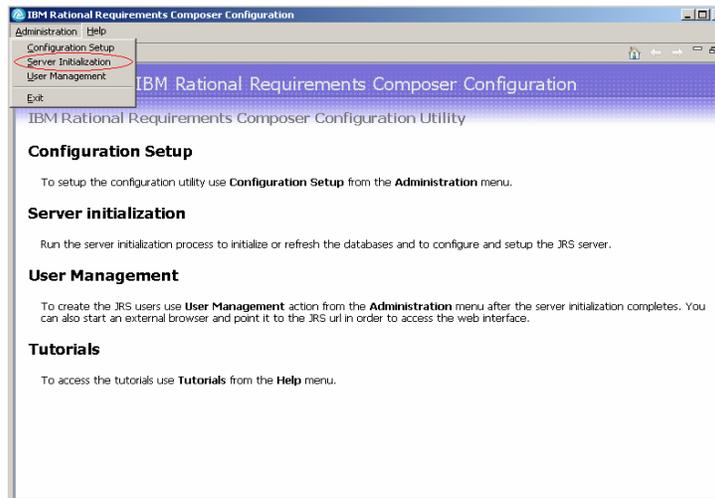
■ Configuration summary



Once the validation has been done, you can see **No incorrect values were detected** reported in the configuration summary. Click **Finish** to exit the configuration settings.

Configuring the Rational Requirements Composer server (continued)

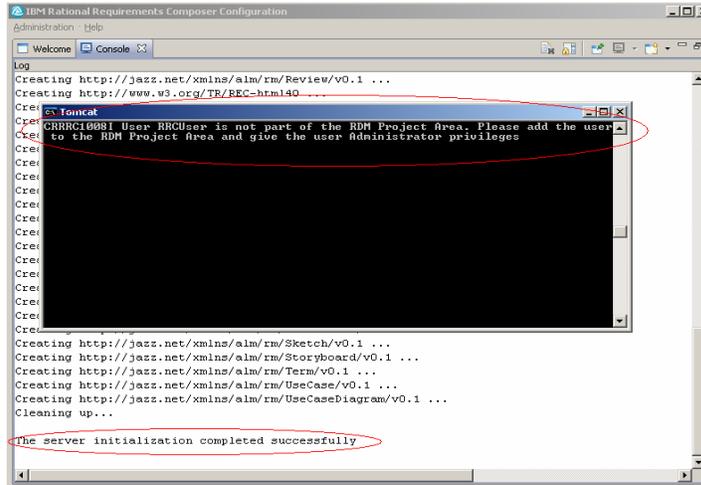
■ Server initialization



Now that you have entered all of your configuration settings, use them to initialize your server. From the configuration tool, click the **Administration** menu, and select **Server Initialization**.

Configuring the Rational Requirements Composer server (continued)

- Server initialization

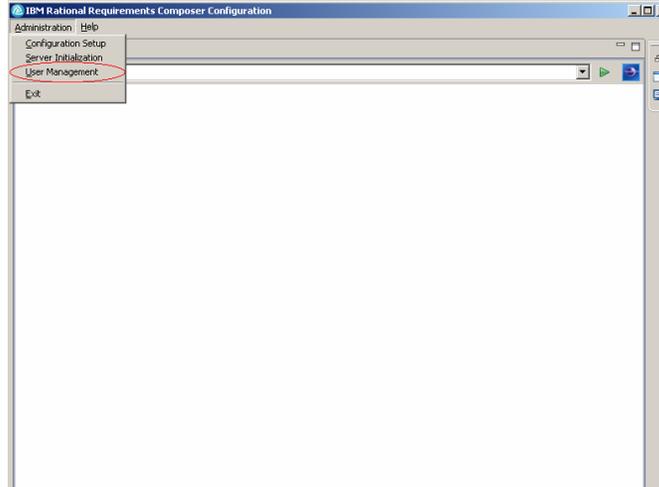


```
IBM Rational Requirements Composer Configuration
Administration - Help
Welcome Console
Log
Creating http://jazz.net/xmns/alm/rm/Review/v0.1 ...
Creating http://www.w3.org/TR/REC-htm140...
Creating http://jazz.net/xmns/alm/rm/Review/v0.1 ...
CRRRC10081 User RECUser is not part of the RDM Project Area. Please add the user RECUser to the RDM Project Area and give the user Administrator privileges
Creating http://jazz.net/xmns/alm/rm/Review/v0.1 ...
Creating http://jazz.net/xmns/alm/rm/Sketch/v0.1 ...
Creating http://jazz.net/xmns/alm/rm/Storyboard/v0.1 ...
Creating http://jazz.net/xmns/alm/rm/Term/v0.1 ...
Creating http://jazz.net/xmns/alm/rm/UseCase/v0.1 ...
Creating http://jazz.net/xmns/alm/rm/UseCaseDiagram/v0.1 ...
Cleaning up...
The server initialization completed successfully
```

A message will indicate that the server initialization has completed successfully. Your JRS server is now started.

Adding the required users

- Launching the user administration



You need to create the JRS functional user that you configured in the previous steps. You will want to add a user which you will use to log in to a repository after installing the client. Click **Administration -> User Management** to enter the user management console.

Adding the required users (continued)

- Logging in



Log in as the ADMIN user that was created during the server configuration. Enter **ADMIN** for the username, and **ADMIN** for the password (case sensitive).

Adding the required users (continued)

- Creating the JRS functional user

The screenshot shows the 'Edit User' page in the IBM Rational Requirements Composer Configuration web application. The page title is 'Edit User - IBM Rational Jazz Team Server'. The URL is 'https://127.0.0.1:9443/jazz/admin#action=com.ibm.team.repository.editUser&emId=new'. The page is divided into several sections:

- User Management:** A sidebar on the left with options for 'Active Users', 'Archived Users', and 'Client Access License Management'. The 'Active Users' section is selected.
- Details:** Fields for 'User Id (case sensitive):' (RRCUser), 'E-mail Address:' (RRCUser@jazz.net), and a 'Photo' field with a 'Browse...' button.
- Repository Permissions:** A list of permissions with checkboxes: 'JazzAdmins' (checked), 'JazzDWAdmins' (checked), 'JazzGuests' (unchecked), and 'JazzUsers' (checked).
- Client Access Licenses:** A list of licenses with checkboxes: 'Rational Requirements Composer - Author (248 available)' (checked), 'Rational Requirements Composer - Reviewer (249 available)' (checked), and 'Rational Requirements Composer - System (0 available)' (checked).

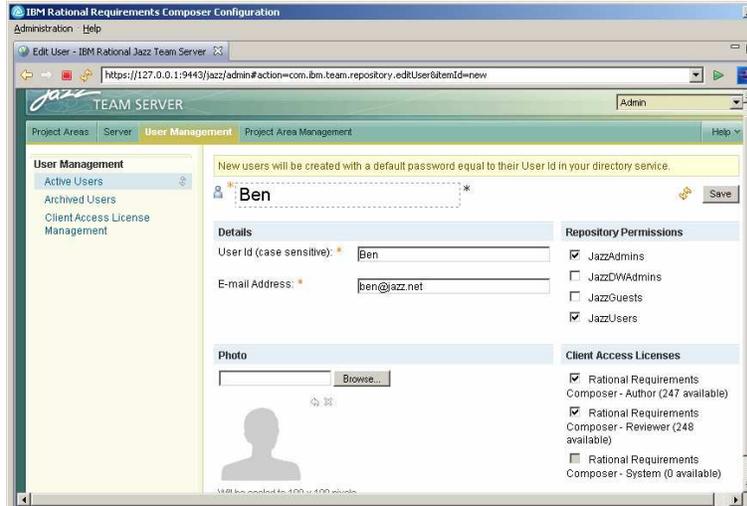
A 'Save' button is located in the top right corner of the form area.

Click
"Save"
to
apply
changes

Create the JRS functional user that was specified during the server configuration. For this demonstration, you used **RRCUser**. Click **User Management**, and then **Create user**. Enter the username, user ID, an e-mail address, and then assign permissions and licenses to the functional user. Click **Save**.

Adding the required users (continued)

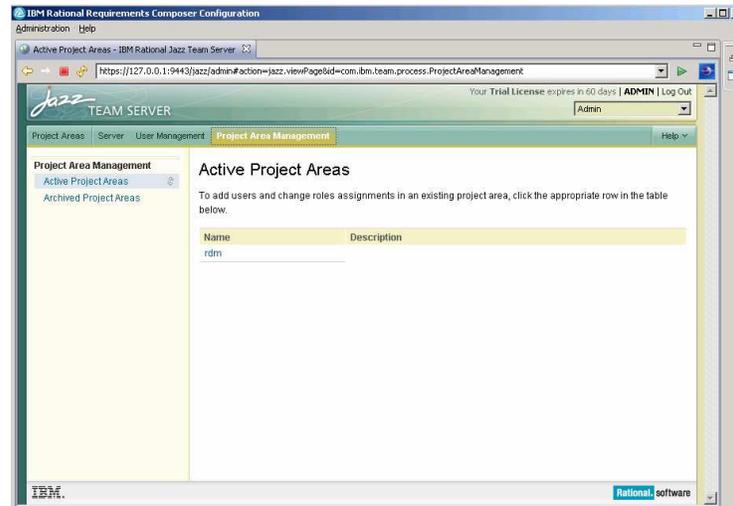
- Creating a new user



Create another user by clicking **User Management** and **Create User**. The password for this user is the same as the user name (case sensitive) by default.

Adding users to the RDM project area

- Project area management



Add your new users to the RDM project area. This will allow your users to connect to the project repository once you have installed the RRC client. Click **Project Area Management** tab to continue this configuration.

Adding users to the RDM project area (continued)

■ Project Area Management

Project Area Management

Active Project Areas
Archived Project Areas

Active Project Areas >
rdm

Details [Preview](#) Team Area Hierarchy

Summary:

Description:

Process
com.ibm.team.jrs.defaultprocess

Members [Add...](#)

Roles determine a user's permissions as well as any preconditions and follow-up actions that are run for project and team operations. The roles assignments below are also valid in all the project's team areas. Unless configured otherwise, all users in the repository play the 'default' role.

Name	Process Roles
ADMIN	Administrator

Administrators [Add...](#)

If you don't have the permissions you need, please contact one of the administrators below. Note that project administrators have the privilege to modify a project area even if no permissions are granted to make changes. This privilege applies only to changes to the process specification, team area membership, and role assignments. This also applies to all team areas and their customizations.

Name	E-mail
------	--------

Click **RDM** to enter the RDM project area. Once inside the project area management, add the JRS functional user as an administrator of the project area, add your user to the **Members** group.

Adding users to the RDM project area (continued)

- Project area management

Select Users

Enter a name filter to load the list.
Use "*" and "?" as wildcard characters. [Show All](#)

*

Matching users:

- ADMIN
- Ben
- GUEST
- RRCUser**

Show archived users

Add & Close **Add** **Close**

Enter the wildcard character * to return all the users on the server. Select the functional user and select **Add & Close**. This adds the functional user (RRCUser) as an administrator of the project area.

Adding users to the RDM project area (continued)

- Project area management

The screenshot displays the 'Project Area Management' interface. The top navigation bar includes 'Project Areas', 'Server', 'User Management', and 'Project Area Management'. The main content area is divided into several sections:

- Project Area Management:** A sidebar on the left with 'Active Project Areas' and 'Archived Project Areas'.
- Active Project Areas:** A search box containing 'rdm' and a list of project areas.
- Details:** A section with a 'Preview' button. It includes a 'Summary' field and a 'Description' field.
- Process:** A section showing the process ID 'com.ibm.team.jrs.defaultprocess'.
- Members:** A section with an 'Add...' button. It contains a table of users and their roles, with a process roles icon circled in red next to the user 'Ben'.

Name	Process Roles
ADMIN	Administrator
Ben	

At the bottom of the interface, there is a footer with the text 'Installation and configuration' and '© 2009 IBM Corporation'.

Repeat the same steps to add your user (Ben) as a member of the project area. Once the user has been added, assign process roles to this user. You can do so by clicking the process roles icon next to the user in the members section.

Adding users to the RDM project area (continued)

- Project area management

Edit Process Roles

Process Roles

Assign the process roles for RRCUser

Available Roles:

Selected Roles:

- Writer
- Reader
- Commenter
- Project-Writer
- Administrator
- default [unmodifiable]

Description:

Note: The ordering of a user's assigned roles reflects their relative priority. When behavior is configured for multiple roles, the process framework will execute the behavior associated with the user's highest priority role. Priority doesn't affect permissions; the process runtime will allow the user to perform actions granted to any of their assigned roles.

Finish Cancel

Next, add the JRS functional user (RRCUser) as a member, and grant all process roles. Click **finish**, and then save the configuration by clicking the **save** button on the **project area management** page.

Adding users to the RDM project area (continued)

- Project area management

Edit Process Roles

Process Roles

Assign the process roles for Ben

Available Roles:

- Writer
- Reader
- Commenter
- Project-Writer

Add-->

--> Remove

Selected Roles:

- Administrator
- default [unmodifiable]

Up

Down

Description:

A party who is permitted to change user-role assignments for a project, in addition to everything permitted by the writer role.

Note: The ordering of a user's assigned roles reflects their relative priority. When behavior is configured for multiple roles, the process framework will execute the behavior associated with the user's highest priority role. Priority doesn't affect permissions; the process runtime will allow the user to perform actions granted to any of their assigned roles.

Finish Cancel

Save

Installation and configuration

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For this demonstration, give your user (Ben) the **Administrator** process role. Click **Finish**, and then save the configuration by clicking the **Save** button in the project area management window to accept all of the changes you have made. The RRC Server is now completely configured to allow for client connectivity.

Adding users to the RDM project area (continued)

- Project area management

Project Area Management

Active Project Areas > **rdm** Save

Details Preview **Team Area Hierarchy**

Summary: **rdm**

Description:

Process

com.ibm.team.jrs.defaultprocess

Members Add...

Roles determine a user's permissions as well as any preconditions and follow-up actions that are run for project and team operations. The roles assignments below are also valid in all the project's team areas. Unless configured otherwise, all users in the repository play the 'default' role.

Name	Process Roles
ADMIN	Administrator

Administrators Add...

If you don't have the permissions you need, please contact one of the administrators below. Note that project administrators have the privilege to modify a project area even if no permissions are granted to make changes. This privilege applies only to changes to the process specification, team area membership, and role assignments. This also applies to all team areas and their customizations.

Name	E-mail
------	--------

Click **RDM** to enter the RDM project area. Once inside the project area management, add the JRS functional user as an administrator of the project area, and add your user to the **Members** group. The jazz server is now completely configured, initialized, and ready for users to connect using the client.

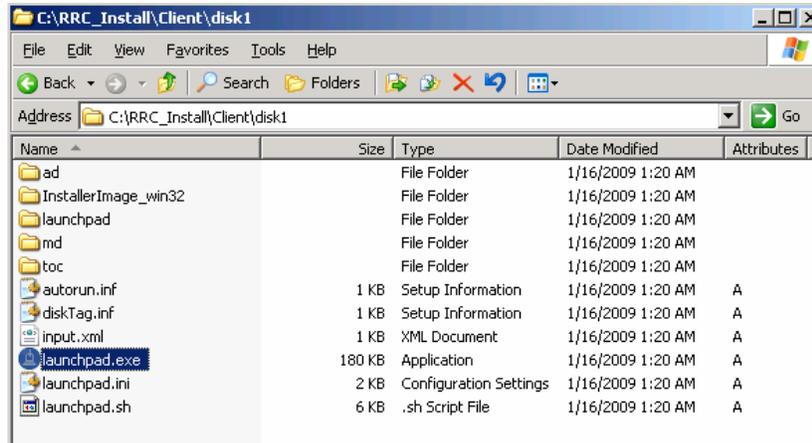
Installing the Rational Requirements Composer client

- Launching the installer
 - ▶ Applying the latest patches during the install
- Connecting to a repository
- Creating a project



Before proceeding with the client installation, make sure you are logged in as a local administrator on the system.

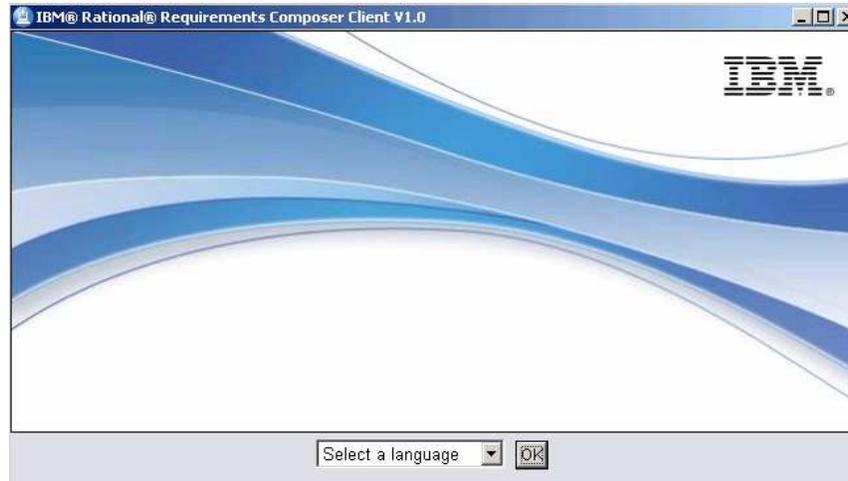
Installing the Rational Requirements Composer client (continued)



After extracting the installation bits to your system, begin the installation by running the **launchpad.exe** from the setup folder. Follow the same procedure you used to install the server by installing the latest patch for the client during the installation.

Installing the Rational Requirements Composer client (continued)

- Begin the installation



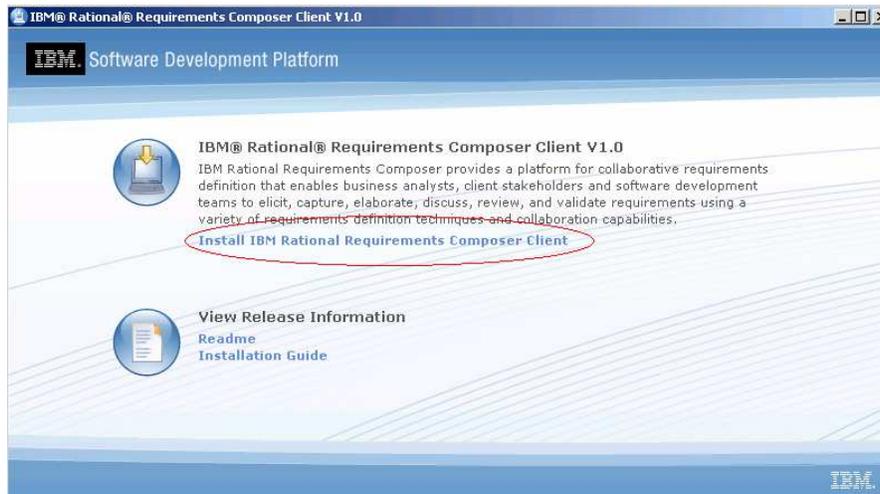
68

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To begin the installation, select the display language to be used for the Installation Manager.

Installing the Rational Requirements Composer client (continued)

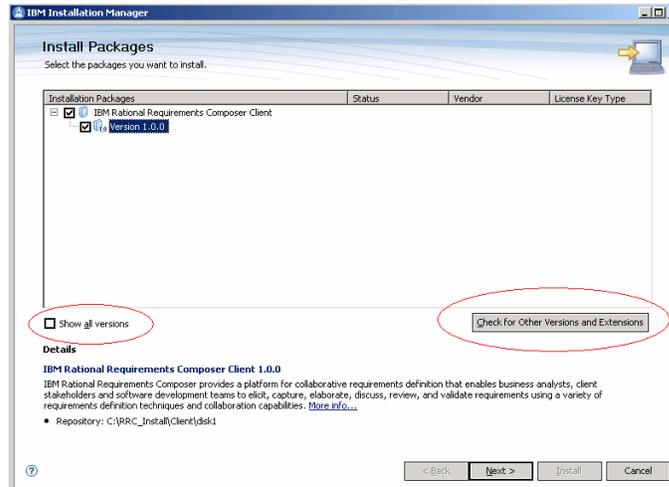
- Begin the installation



Click the button **Install IBM Rational Requirements Composer Client** to launch the installer. You already installed the Installation Manager when the server was installed. Installation Manager will now launch and continue setup.

Installing the Rational Requirements Composer client (continued)

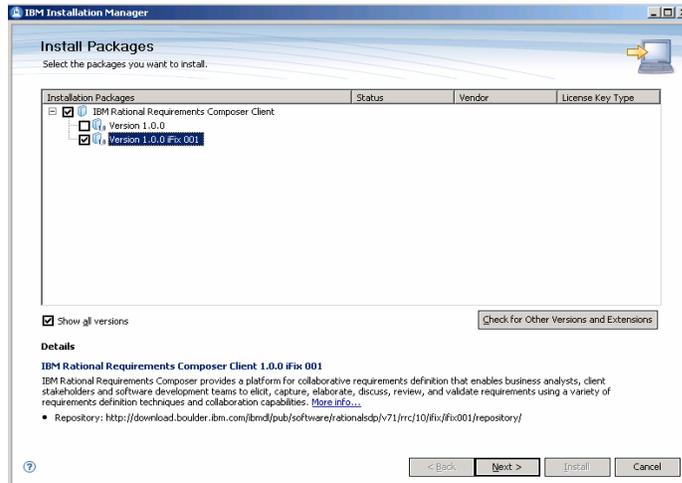
- Checking for updates



Installation Manager will launch with the package IBM Rational Requirements Composer Client, with Version 1.0.0 selected. As you did with the server installation, install the latest patch for the Rational Requirements Composer client by selecting **Check for Other Versions and Extensions**, and then clicking **Show All Versions**.

Installing the Rational Requirements Composer client (continued)

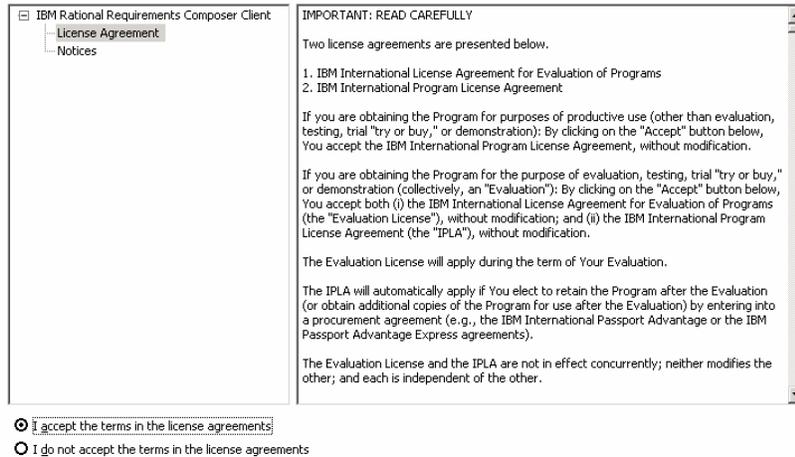
- Checking for updates



Select the latest release available, and click **Next** to begin the Installation. In this demonstration, Version 1.0.0 iFix001 is the latest release.

Installing the Rational Requirements Composer client (continued)

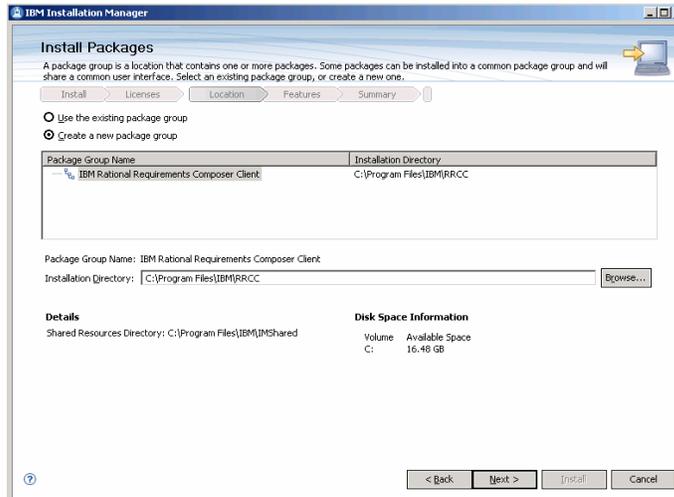
■ Accepting the license agreement



Read the license agreement, and select the button **"I accept the terms in the license agreements"** if you accept the terms. Then click **Next** to continue with the installation.

Installing the Rational Requirements Composer client (continued)

- Creating the package group



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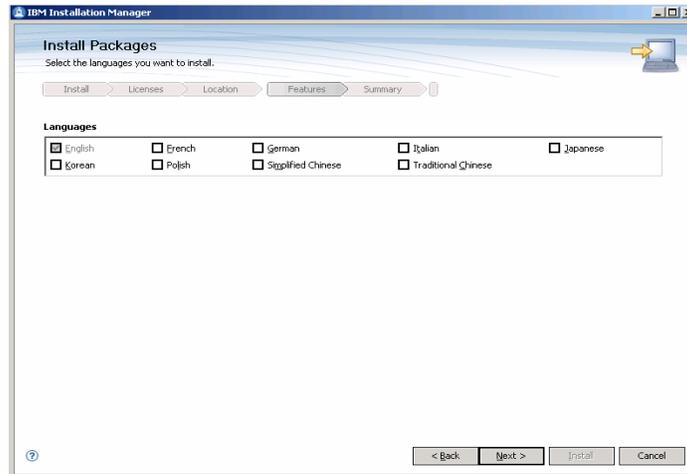
Installation and configuration

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Install the RRC client to a new package group that has not yet been defined. The default package group is **C:\Program Files\IBM\RRC**. If you want to install to an already existing package group, you can choose to do so by selecting the **Use the existing package group** button. For this demonstration, you will create a new package group. Click **Next** to continue.

Installing the Rational Requirements Composer client (continued)

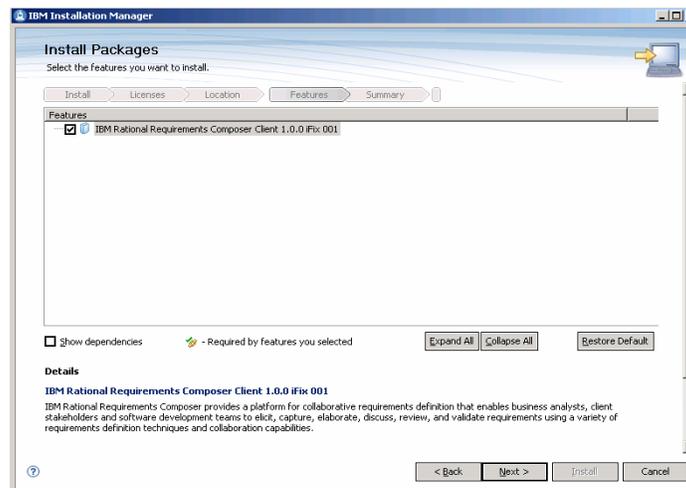
- Selecting the client language



Select the language for the Rational Requirements Composer client, and click **Next** to continue the installation.

Installing the Rational Requirements Composer client (continued)

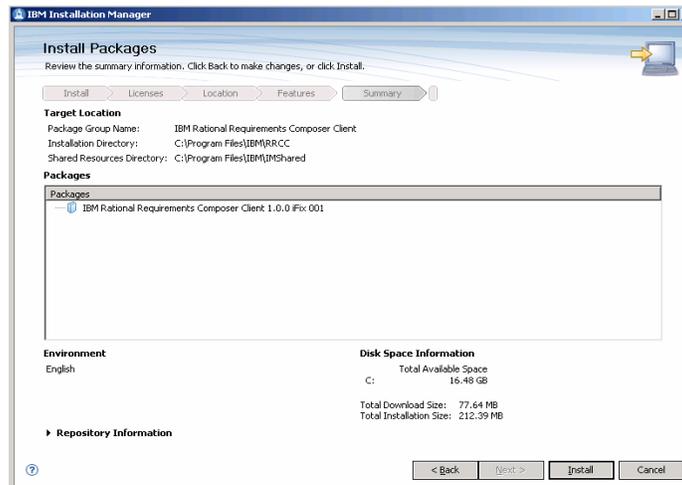
- Selecting the feature to be installed



You are now presented with a screen that asks you to select the feature to be installed. In this case, select the default **IBM Rational Requirements Composer Client 1.0.0 iFix001**. Click **Next** to begin the installation.

Installing the Rational Requirements Composer client (continued)

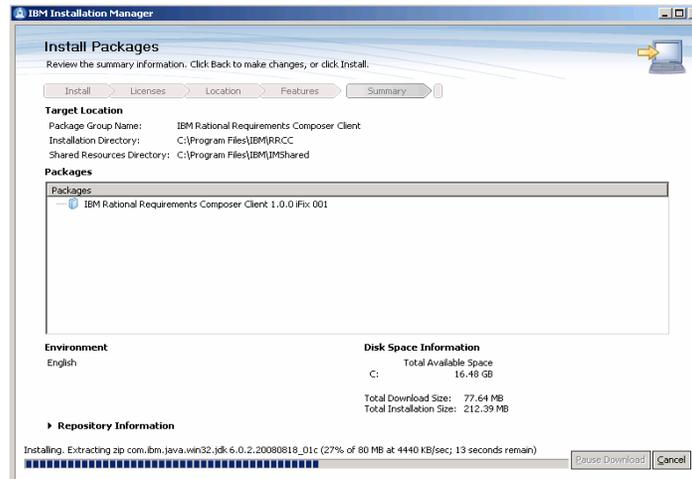
- Installation summary



This screen gives you a summary of your installation. Included in this screen is information about free disk space, the download size, and the size of the installation once completed. Click **Install** to begin copying files.

Installing the Rational Requirements Composer client (continued)

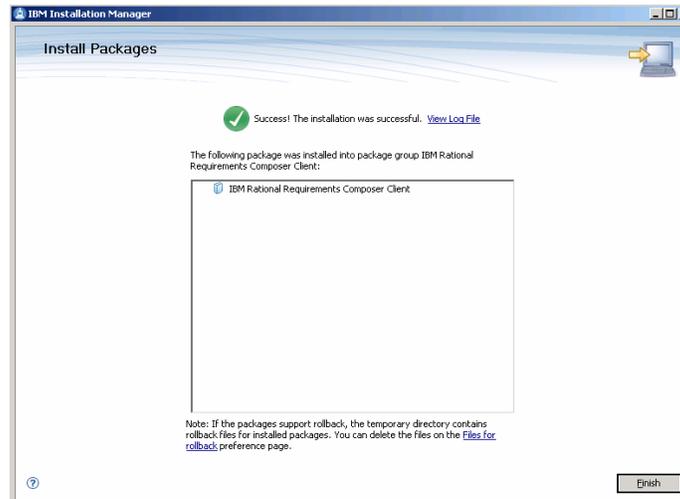
- Copying files



Files are copied on to your server, and the installation will finish. IBM Rational Requirements Composer Client 1.0 with iFix001 is now present on your system.

Installing the Rational Requirements Composer client (continued)

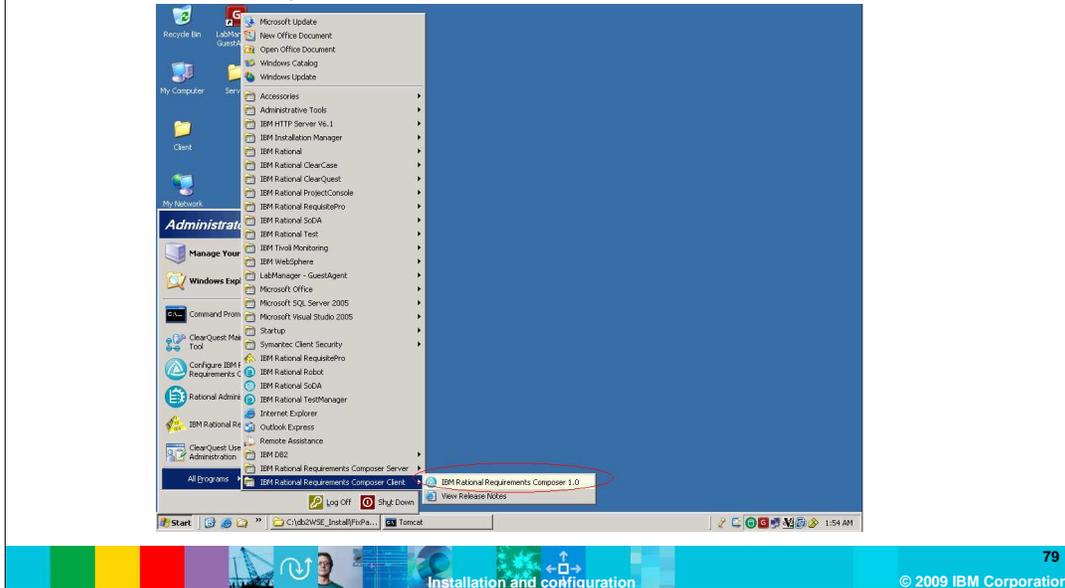
- Installation complete



Once the installation has finished, a confirmation page opens stating that the installation has completed successfully. Click **Finish** to close the installation wizard.

The Rational Requirements Composer client

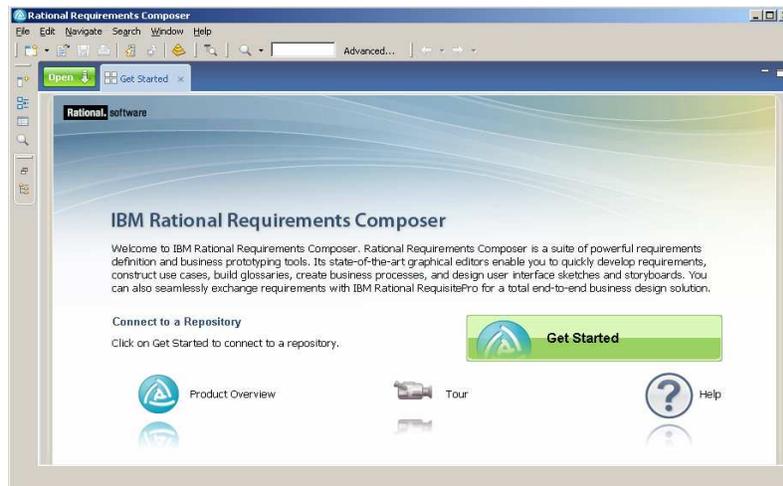
- Launching the client



After the Rational Requirement Composer client has been installed, launch the client by clicking **Start -> Programs -> IBM Rational Requirements Composer 1.0**.

The Rational Requirements Composer client (continued)

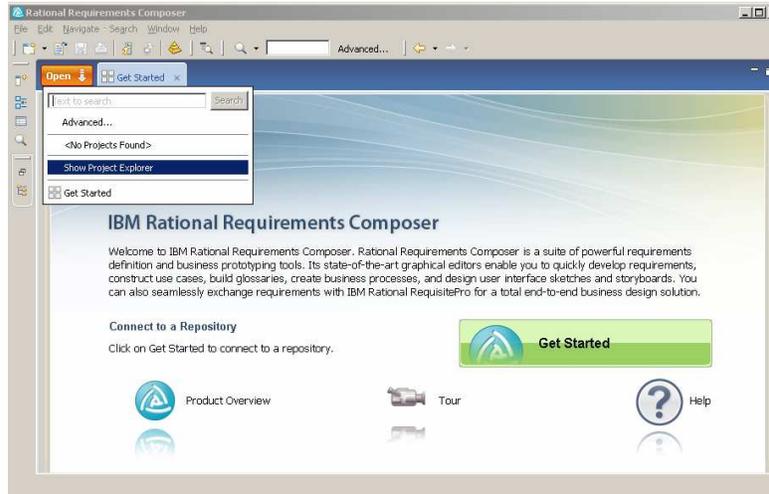
- Launching the client



Once the application has launched, you can see the **Getting Started** page. The goal is to connect to a project repository and to create a project.

The Rational Requirements Composer client (continued)

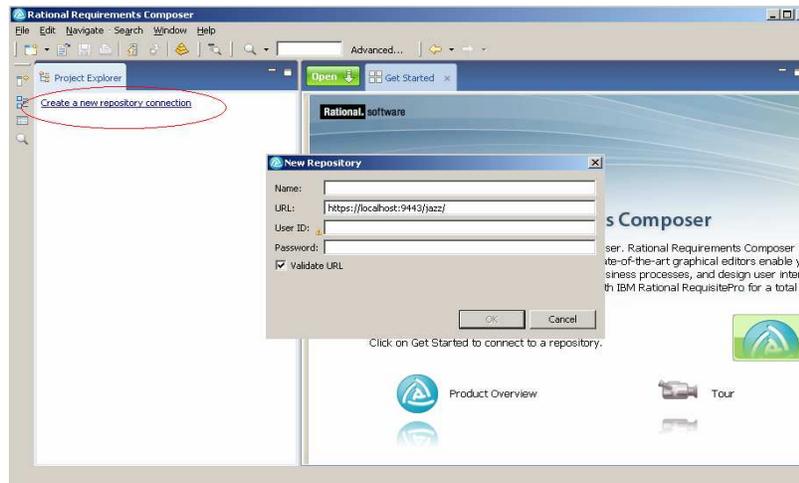
- Project Explorer



Switch to the project explorer by clicking the **Open** button, and selecting **Project Explorer**.

The Rational Requirements Composer client (continued)

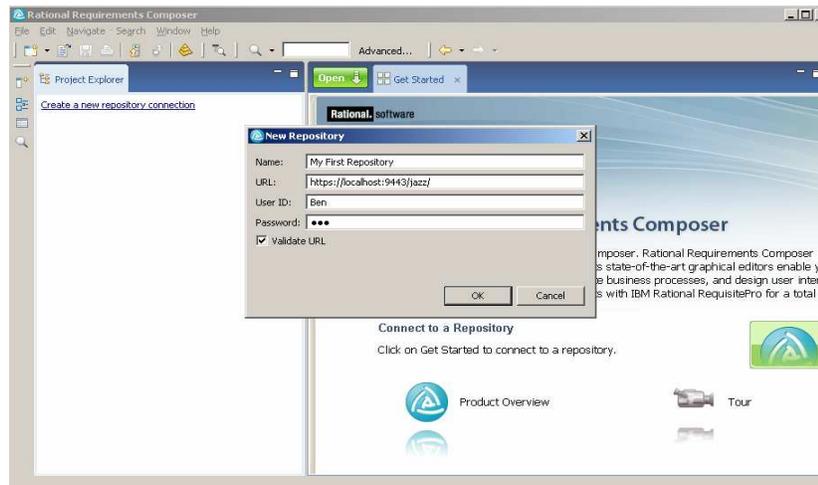
- Connecting to a repository



Since there are no repository connections defined, your only option is to create one. Click **Create a new repository connection** to bring up the repository configuration dialog.

The Rational Requirements Composer client (continued)

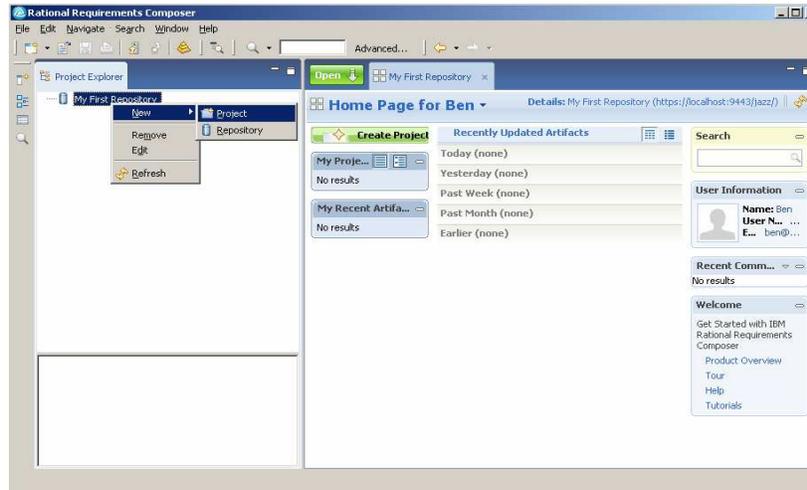
- Connecting to a repository



Enter a name for the new repository, and specify one of the users you have created who is connecting to the repository. For this demonstration, leave the default URL since you have installed the client on the same machine as the server. The URL is pointing to localhost on the default port 9443.

The Rational Requirements Composer client (continued)

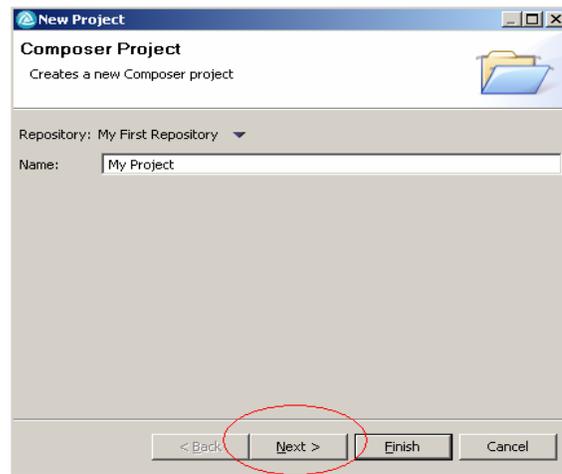
■ Creating a project



You now have a connection to your repository, and you can finish your demonstration by creating a project. You create your project by right clicking on the repository you just created, and selecting **New -> Project**.

Installing the Rational Requirements Composer client (continued)

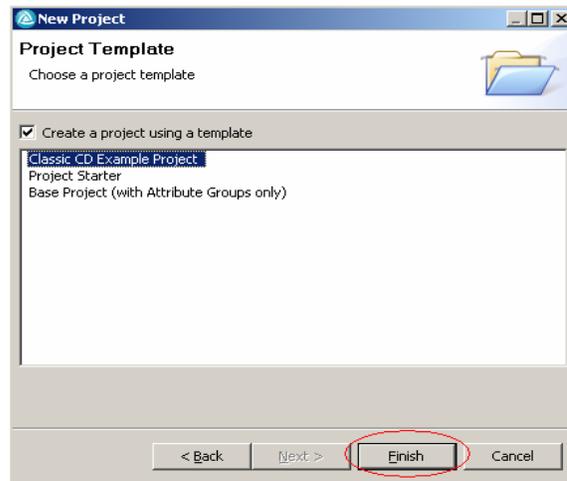
- Creating a project



Enter a name for the new project, and select **Next**.

Installing the Rational Requirements Composer client (continued)

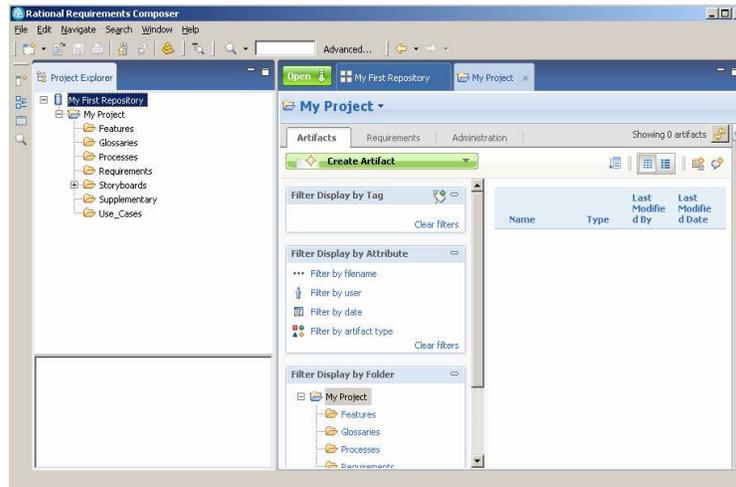
- Creating a project



For this demonstration, select the **Classic CD Example Project**, and click **Finish**.

Installing the Rational Requirements Composer client (continued)

- Creating a project



The new project has been created successfully. This concludes the demonstration of installing the Rational Requirements Composer Client and Server.

Summary

- This module covered these topics:
 - ▶ Installing the database server
 - ▶ Installing the RRC server
 - ▶ Configuring the server
 - ▶ Creating the server
 - ▶ Installing the RRC client
 - ▶ Installing the RRC client
 - ▶ Creating a project



In summary, this module covered several topics. Installing the database server, installing the Rational Requirements Composer server, configuring the server, creating the server, installing the Rational Requirements client, connecting to a repository , and creating a project. As an administrator, you should be comfortable with the basic installation tasks the were covered in this module.

Additional resources

- Next steps
 - ▶ Familiarize yourself with the application design
 - ▶ Configure the RequisitePro® Integration
 - ▶ Follow the tutorials provided in the Help contents of the RRC client
- Additional resources on [ibm.com](http://www.ibm.com)
 - <http://www-01.ibm.com/software/awdtools/rrc>
 - <http://www-01.ibm.com/software/awdtools/rrc/support/>=
 - <http://www.ibm.com/developerworks/forums/forum.jspa?forumID=1546>



The next steps are to familiarize yourself with the application design, configure the Requisite Pro Integration and follow the tutorials provided in the Help contents of the RRC client. Additional resources can be found on www.ibm.com, on the RRC support page and on the RRC DeveloperWorks user forum.

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