

IBM Rational Programming Patterns for System z
Version 8.0.3

Installation Guide



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Note

Before using this information, be sure to read the general information under “Notices” on page 23.

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This edition applies to IBM Rational Programming Patterns for System z V8.0.3 (program number 5724-T07) and to all subsequent releases and modifications until otherwise indicated in new editions.

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Chapter 1. Introduction

IBM® Rational® Programming Patterns for System z® is installed on the IBM Software Delivery Platform.

IBM Rational Programming Patterns for System z is constituted of a:

- Client, integrated with IBM Rational Developer for System z V8.0.3 and IBM Rational Team Concert™ V3.0.1.
- Server, integrated with IBM Jazz™ Team Server V3.0.1.

Before installing IBM Rational Programming Patterns for System z, you must install the products it is integrated with.

Chapter 2. Installation road map

The installation road map lists the high-level steps for installing your product.

Procedure

1. Verify that your computer meets the minimum hardware and software requirements for installing the client environment: Rational Developer for System z and Rational Team Concert. See the Rational Developer for System z site (<http://www-01.ibm.com/software/rational/products/developer/systemz/>) (select one of the three product editions and select **System requirements**) and the Rational Team Concert site (<http://www-01.ibm.com/software/rational/products/rtc/sysreq/index.html>).
2. Verify that the computer where the Jazz Team Server will be installed meets the minimum hardware and software requirements. See the Rational Team Concert site (<http://www-01.ibm.com/software/rational/products/rtc/sysreq/index.html>).
3. Verify that the computer where Rational Programming Patterns for System z will be installed meets the minimum hardware and software requirements. These requirements are listed on the Rational Programming Patterns for System z site (<http://www-01.ibm.com/software/rational/products/programming/systemz/sysreq/>).
4. Verify that VisualAge® Pacbase 3.5 V07 minimum is installed. This version contains all the extraction and migration procedures of the VisualAge Pacbase data.
5. Install or update the Rational Developer for System z V8.0.3 client.
6. Install or update the Rational Team Concert V3.0.1 client for Eclipse IDE driver in the same package group as Rational Developer for System z V8.0.3 cClient.
7. Install or update the Rational Programming Patterns for System z client in the same package group as the Rational Developer for System z V8.0.3 and Rational Team Concert V3.0.3 clients.
8. Install or update the Jazz Team Server and CCM Application V3.0.1 .
9. Install or update the Rational Programming Patterns for System z server where the Jazz Team Server and CCM Application V3.0.1 are already installed.
10. Perform the post-installation tasks. You must integrate Rational Programming Patterns for System z with Rational Team Concert.

Chapter 3. Installing the required product prerequisites

Installing VisualAge Pacbase 3.5 V07 is the first prerequisite. Then you must install Rational Developer for System z V8.0.3 and Rational Team Concert V3.0.1 before installing the Rational Programming Patterns for System z client. You must also install Jazz Team Server and CCM Application V3.0.1 before installing the Rational Programming Patterns for System z server.

Before you begin

To install the product prerequisites, you must refer to their installation guides.

Note: The installation of Rational Programming Patterns for System z is in many ways similar to the installation of Rational Developer for System z. This installation guide then contains references to the *Rational Developer for System z Installation Guide*. You must then have access to both guides to install Rational Programming Patterns for System z.

Procedure

1. To obtain VisualAge Pacbase 3.5 V07, send an email to the Rational Programming Patterns for System z support (vapacsup@us.ibm.com for North America or vapacsup@fr.ibm.com for all other regions).
2. Install or update the product prerequisites for the Rational Programming Patterns for System z client:
 - a. Rational Developer for System z V8.0.3 client. Three installation packages are available: Rational Developer for System z with EGL V8.0.3, Rational Developer for System z with Java V8.0.3, and Rational Developer for zEnterprise V8.0.3. Rational Programming Patterns for System z can be installed on any of them.

Important: When installing the Rational Developer for System z client, do not clear any of the features selected by default on the Features page of Installation Manager.

- b. Rational Team Concert V3.0.1 client. You can install it from its installation disk or electronic image. But you can also install it as an optional feature to the Rational Developer for System z V8.0.3 client.

Important: The Rational Team Concert V3.0.1 client must be installed in the same package group as the Rational Developer for System z V8.0.3 client.

3. Install or update the Jazz Team Server and CCM Application V3.0.1.

Note: Installing the Rational Developer for System z host components is not required for using the Rational Programming Patterns for System z server.

Chapter 4. Installation methods for Rational Programming Patterns for System z

Four installation methods are available.

You can install Rational Programming Patterns for System z from:

- an installation disk.

With this method, you have the physical disks containing the installation files, and you install Rational Programming Patterns for System z on your own workstation.

- a downloaded electronic image on your workstation.

With this method, you download the installation files from IBM Passport Advantage[®] and you install Rational Programming Patterns for System z on your own workstation.

- a downloaded electronic image on a shared drive.

With this method, you place the electronic image on a shared drive so that users in your company can access the installation files of Rational Programming Patterns for System z from a single location. It is also useful when you must install in silent mode on several user systems.

- a repository on an HTTP server.

You can place the Rational Programming Patterns for System z installation package, the Rational Developer for System z package, and the Rational Team Concert package, in a single directory on HTTP Web server. This directory is named a repository.

To place the installation files on an HTTP Web server, you must use a utility application: IBM Packaging Utility. This application is provided with the Developer for System z installation media on the Rational Enterprise Deployment disk. For more information, see the *Rational Developer for System z Installation Guide, Appendix C IBM Packaging Utility*.

See also the *Rational Developer for System z Installation Guide, Chapter 5. Installing Developer for System z*, subchapter *Installation tasks summary*, section *Overview: Installing Developer for System z from a repository on an HTTP Web server* and *Overview: Placing Developer for System z on an HTTP Web server*.

Note on the installation in silent mode:

If you install from an electronic image or a repository, you can run Installation Manager in silent mode to install Rational Programming Patterns for System z. You can then use a batch process to install, update, modify, and uninstall packages through scripts. If you are an administrator, it enables you to customize the installation on the developers' workstations.

When you run Installation Manager in silent mode, its user interface is not available. So you use a response file instead to input the commands required to install the package. An `install.xml` sample response file is available in the `InstallerImage_win32` subdirectory of the client and in the `InstallerImage_system` subdirectory (where `system` is `aix`, `linux_s390`, or `win32`) of the server. You can use it as is or modify it to your own specifications.

For more information, see the *Rational Developer for System z Installation Guide*, Chapter 5 *Installing Developer for System z*, subchapter *Silent installation*.

Chapter 5. Installing the Rational Programming Patterns for System z client

You can install the Rational Programming Patterns for System z client on Windows Vista, Windows XP Professional, or Windows 7 Professional. You can perform a full installation from the launchpad. If you have already installed a previous version, you can also update it from the IBM update server or from a compressed file downloaded from Fix Central.

Before you begin

Rational Developer for System z V 8.0.3 and Rational Team Concert V3.0.1 clients must already be installed

The Rational Programming Patterns for System z client must be installed with the same type of right (administrator or user) as the Rational Developer for System z V 8.0.3 and Rational Team Concert V3.0.1 clients

Installing the Rational Programming Patterns for System z client

You can fully install the Rational Programming Patterns for System z client from a disk, an electronic image, or a repository.

Before you begin

Select the most appropriate installation method:

- An installation disk.

Insert the installation disk into your DVD drive.

To start installing, open the Rational Programming Patterns for System z launchpad.

If autorun is enabled on your system, the launchpad program automatically opens. If autorun is not enabled, start the launchpad program by running the launchpad.exe command from the root of the disk:

- An electronic image on your workstation.

Download the installation files from IBM Passport Advantage. Extract the installation image from the compressed files you have downloaded

To start installing, open the Rational Programming Patterns for System z launchpad.

You start the launchpad program by running the launchpad.exe command from the root of the extracted directory

- An electronic image on a shared drive, if you are an administrator.

Download the installation files from IBM Passport Advantage. Extract the installation image from the compressed files you have downloaded

To install interactively from the installation files on the shared drive, run the launchpad.exe command from the root of the extracted directory.

You can also install in silent mode. For explanations, see the note in the Chapter 4, "Installation methods for Rational Programming Patterns for System z," on page 7

- A repository on an HTTP Web server, if you are an administrator

For explanations, see the Chapter 4, “Installation methods for Rational Programming Patterns for System z,” on page 7

Procedure

1. If you install from the Rational Programming Patterns for System z launchpad, select **Install Rational Programming Patterns for System z** to open Installation Manager.
The repository location information is automatically configured. So you do not have to set it manually in the Installation Manager preferences.
2. The first page of the Install Packages wizard displays the Rational Programming Patterns for System z package available for installation. Select it.
3. You might be prompted to update IBM Installation Manager to a newer version if one is available. If prompted, click **Yes** to install the update, or click **No** if you want to install the newer version later. If you click **Yes**, Installation Manager updates itself and informs you that it must restart to complete the update. Click **OK** to restart Installation Manager
4. On the Licenses page, read and accept the license agreement for the selected package. The product will be installed with a trial license which expires in 60 days. You will need to activate the licensed version of the product in order to use it after the expiration date.
5. On the Location pages, the location which already contains the Rational Developer for System z V8.0.3 and Rational Team Concert V3.0.1 clients must be selected.
6. On the Features pages, select the languages you want to install for this package group. Select also the functions you want to install.
7. On the Summary page of Installation Manager, click **Install**.

Results

When the installation is complete, an **IBM Rational Programming Patterns for System z** start line is created from **Start** → **All Programs** → **IBM Software Delivery Platform**. You can then create a shortcut on your desktop to easily start Rational Programming Patterns for System z.

If you start Rational Programming Patterns for System z directly from its start line or its desktop shortcut, the 'Pattern Driven Programming' perspective is automatically added to your workspace and it becomes the default perspective. The PDP editors also become the default editors.

What to do next

Important: To be able to import very large databases, you must modify the memory parameter of the Software Delivery Platform. Its maximum value varies according to the operating system and the memory available. You must then find the maximum value for your configuration. To do so, edit the `eclipse.ini` file located directly under the root of your Software Delivery Platform. Start replacing `-Xmx1024m` with `-Xmx1236m`. If this value is accepted, increase it progressively until you reach the maximum value accepted by your configuration.

Updating the client from the IBM update server

You should perform the installation using the same Windows account that originally installed the IBM Rational Programming Patterns for System z product.

Procedure

1. Start IBM Installation Manager by selecting, by default, **Start → All Programs → IBM Installation Manager → IBM Installation Manager**.
2. If the option **Search service repositories during installation and updates** is selected in the preferences (menu **File → Preferences**), you can perform the update. Select this option if it has been cleared.
3. On the Start page of Installation Manager, click **Update**. The update wizard opens up.
4. On the 'Update packages' page, select the package which already contains the previous version of the Rational Programming Patterns for System z client (**IBM Software Development Platform** by default). Click **Next**.
5. Update Installation Manager, if necessary.
6. Select **IBM Rational Programming Patterns for System z** and its version (**Version 8.0.3**). Select any other required or optional updates from the list of available updates. Any updates you have already installed are displayed in grey and are not be selectable. Click **Next**.
7. Read and accept the license agreement. The product will be installed with a trial license which expires in 60 days. You will need to activate the licensed version of the product in order to use it after the expiration date. Click **Next**.
8. Select the features to be updated and click **Next**.
9. Review your selections on the Summary page. If you want to make any changes to your selections, click **Back** and make your changes. When you are ready to install the update, click **Update**.

Results

When the installation is complete, an **IBM Rational Programming Patterns for System z** start line is created from **Start → All Programs → IBM Software Delivery Platform**. You can then create a shortcut on your desktop to easily start Rational Programming Patterns for System z.

If you start Rational Programming Patterns for System z directly from its start line or its desktop shortcut, the 'Pattern Driven Programming' is automatically added to your workspace and is becomes the default perspective. The PDP editors also become the default editors.

What to do next

Important: To be able to import very large databases, you must modify the memory parameter of the Software Delivery Platform. Its maximum value varies according to the operating system and the memory available. You must then find the maximum value for your configuration. To do so, edit the `eclipse.ini` file located directly under the root of your Software Delivery Platform. Start replacing `-Xmx1024m` with `-Xmx1236m`. If this value is accepted, increase it progressively until you reach the maximum value accepted by your configuration.

Updating the client from a compressed file

Ideally, this update should be installed directly from the IBM update server. However, you may also download a compressed file containing the update and perform local installations.

About this task

You might want to do this if

- You have a slow or unstable Internet connection and want to use a download manager that can resume the download.
- You have difficulty accessing the live IBM update servers from behind a firewall.
- You prefer to download the update and install it later.

Procedure

1. Connect to the IBM Fix Central site.
 - a. Select the **Rational** product group, **Rational Programming Patterns for System z** product, **8.0.3** version, and **Windows** platform. Click **Next**.
 - b. Select '**Show fixes that get me to this version**' and click **Next**.
 - c. Select '**IBM Rational Programming Patterns for System z Version 8.0.3**' and click **Next**.
 - d. Select your download option and click **Next**.
 - e. Click '**Download now**'.
2. Extract the content of this file to a folder on your system.
3. Start IBM Installation Manager by selecting, by default, **Start** → **All Programs** → **IBM Installation Manager** → **IBM Installation Manager**.
4. From the menu bar, select **File** → **Preferences** to specify the location of the extracted file.
5. On the Repositories page, click **Add Repository** . Browse to the directory where you extracted the update installation files. Inside that directory you will see a `repository.config` file. Select it and click **OK**.

What to do next

Now that the local repository has been set, follow the instructions outlined in the section 'Updating the client from the IBM update server'.

Chapter 6. Installing the Rational Programming Patterns for System z server

You can install the Rational Programming Patterns for System z server either on Windows 2003 or 2008, AIX®, Linux, Linux for System z, or on z/OS®.

Before you begin

Jazz Team Server V3.0.1 must already be installed

The Rational Programming Patterns for System z server must be installed in the same package group as the Jazz Team Server V3.0.1 with the same type of right (administrator or user).

Installing the server on Windows, AIX, Linux

You can install the Rational Programming Patterns for System z server on Windows 2003 or 2008, AIX, Linux, or Linux for System z. You can perform a full installation from an installation CD or an electronic image. If you have already installed a previous version, you can also update it from the IBM update server or from a compressed file downloaded from Fix Central.

Procedure

- To install the Rational Programming Patterns for System z server on Windows 2003 or 2008, AIX, Linux, or Linux for System z, you must choose between the following methods:
 - Insert its installation disk into your DVD drive.
 - Download its electronic image from the IBM Passport Advantage Web site and extract all the compressed files. If you are an administrator, you can make them available on a shared drive.
 - Install a repository on an HTTP Web server, if you are an administrator. For explanations, see the Chapter 4, “Installation methods for Rational Programming Patterns for System z,” on page 7

The contents of the installation disk and the extracted electronic image are the same:

- A docs directory, with relevant documentation.
- A distributed directory which contains:
 - A disk1 subdirectory, with the Rational Programming Patterns for System z server repository.
 - Four InstallerImage_system subdirectories, where system is aix, linux_s390 (Linux for System z), linux_x86 or win32 (for Windows). These subdirectories contain the repository for Installation Manager and the executable files of the Rational Programming Patterns for System z server, adapted to the operating system. Each of these directories also contains an install.xml sample response file for the installation in silent mode.
 - For UNIX, the installRPPz_system_admin.sh and installRPPz_system_user.sh script files, where system is aix, linux_s390 (Linux for System z) or linux_x86. Each of these scripts starts the

installation of the Rational Programming Patterns for System z server, according to the selected operating system. The installation is automatically carried out from Installation Manager, with administrator or user rights, with all the preferences and selections already entered for you.

- Two batch command files `installRPPz_win32_admin.bat` and `installRPPz_win32_user.bat`, which start the Rational Programming Patterns for System z server installation on Windows. The installation is automatically carried out from Installation Manager, with administrator or user rights, with all the preferences and selections already entered for you.

To perform a standard installation, run:

- One of the script files for Windows 2003 or 2008, AIX, Linux, or Linux for System z (`installRPPz_system_admin.sh` or `installRPPz_system_user.sh`).
- The `installRPPz_win32_admin.bat` or `installRPPz_win32_user.bat` file for Windows 2003 or 2008.

To specify your own installation selections, install the server from one of the four subdirectories (`InstallerImage_system`). Open Installation Manager, enter the path to the Rational Programming Patterns for System z server repository and select your preferences on all the Installation Manager pages.

- To update the Rational Programming Patterns for System z, you must use either:
 - the IBM update server. Follow the instructions of the client installation. Only the steps where you must select a choice specific to the server installation are indicated here.
 - Select the package group in which you installed the previous version of the IBM Rational Programming Patterns for System z server (**Jazz Team Server** by default).
 - Select **IBM Rational Programming Patterns for System z Version 8.0.3 - Server part**.
 - or a compressed file downloaded from Fix Central. Follow the instructions of the client installation. Select **IBM Rational Programming Patterns for System z Version 8.0.3 - Server part**.

Installing the server on z/OS

To install the Rational Programming Patterns for System z V8.0.3 server on z/OS, you must apply the V8.0.3 PTF on the server already installed.

Procedure

1. To obtain the files required to install the Rational Programming Patterns for System z server on z/OS, you must:
 - Insert its installation disk into your DVD drive.
 - Or download its electronic image from the IBM Passport Advantage Web site and extract all the compressed files. If you are an administrator, you can make them available on a shared drive.

The contents of the installation disk and the extracted electronic image are the same:

- A docs directory, with the relevant documentation.

This directory contains the HAIE801.pdf Program Directory. It contains all the instructions to install the Rational Programming Patterns for System z server on z/OS, through SMP/E.

- A zos directory which contains:

- a compressed file for the installation through SMP/E. This file contains the installable parts:
 - IBM.HAIE801.F1.BIN,
 - IBM.HAIE801.F2.BIN,
 - IBM.HAIE801.JCL.BIN
 - IBM.HAIE801.SMPMCS.
 - the V8.0.1.2 and V8.0.3 PTFs.
2. If you install the server on z/OS for the first time, follow the instructions of the HAIE801.pdf Program Directory, located in the docs directory.
 3. Update the server by applying the V8.0.1.2 PTF (UK71657), if it has not already been done. Then apply the V8.0.3 PTF (UK73640).

These fixes are shipped as files: IBM.HAIE801.UXXXXXX.

Note: UXXXXXX is the fix number. In the steps listed below, you must replace it with its actual value.

You must execute the following steps to install the fix:

- a. Allocate host data sets for the fix

A sequential data set must be allocated on the z/OS system to receive the fix that you will upload from your workstation. You can do this by submitting the job below. Add a job card and modify the parameters to meet your site's requirements before submitting.

```
//ALLOC    EXEC PGM=IEFBR14
//*
//UXXXXXX  DD DSN=h1q.IBM.HAIE801.UXXXXXX,
//          DISP=(NEW,CATLG,DELETE),
//          DSORG=PS,
//          RECFM=FB,
//          LRECL=80,
//          UNIT=SYSALLDA,
//*          VOL=SER=volser,
//*          BLKSIZE=6160,
//          SPACE=(TRK,(103,20))
//*
```

- b. Upload the fix from your workstation to z/OS

Upload the file in binary format from your workstation to the z/OS data set. On a Windows system, you can use FTP from a command prompt to upload the file. The table shows the commands entered by the user, and the values which are assumed:

User enters:	Values
mvsaddr	TCP/IP address of the z/OS system
tsouid	Your TSO user ID
tsopw	Your TSO password
d:	Your drive containing the fix files
h1q	High-level qualifier that you used for the data set that you allocated in the job above

```
C:\>ftp mvsaddr
Connected to mvsaddr.
220-FTPD1 IBM FTP CS %version% at mvsaddr, %time% on %date%.
220 Connection will close if idle for more than 60 minutes.
```

```
User (mvsaddr:(none)): tsouid
331 Send password please.
```

```
Password: tsopw  
230 tsouid is logged on. Working directory is "tsouid."
```

```
ftp> cd ..  
250 "" is the working directory name prefix.
```

```
ftp> cd hlq  
250 "hlq." is the working directory name prefix.
```

```
ftp> binary  
200 Representation type is Image
```

```
ftp> put d:\IBM.HAIE801.UXXXXXX  
200 Port request OK.  
125 Storing data set hlq.IBM.HAIE801.UXXXXXX  
250 Transfer completed successfully  
5744800 bytes sent in 0.28 seconds
```

```
ftp> quit  
221 Quit command received. Goodbye.
```

- c. Perform SMP/E RECEIVE and APPLY for the fix
- d. If you used the **@pathPrefix@** setting during SMP/E installation, edit the file below to ensure the file URL points to the absolute path of the application rpp-update-sites:
`@confPath@/ccm/provision_profiles/rpp-profile.ini`

Chapter 7. Post-installation tasks

Integrating with Rational Team Concert

Rational Programming Patterns for System z is now installed on top of IBM Rational Team Concert. You must configure Rational Team Concert in order to integrate Rational Programming Patterns for System z with it.

About this task

The purpose of this integration is to prepare the building of indexes in the Rational Programming Patterns for System z server. You must:

- Ensure that the user has the permissions required for the configuration,
- Create a project area (if it has not already been done),
- Create three language definitions and associate indexing scanners to them,
- Select the data streams which will be scanned.

Procedure

1. Create a user and assign permissions to this user:
 - a. Start the Jazz Team Server and open its setup wizard
([https://\[fully-qualified hostname\]:9443/jts/setup](https://[fully-qualified hostname]:9443/jts/setup))
Follow all the steps explained in the Rational Team Concert documentation:
Running the setup wizard
 - b. Create a user, if it has already been done.
 - c. Assign this new user a **Developer for IBM Enterprise Platforms Client Access License**.
 - d. Stop the Jazz Team Server and start it again.
 - e. Verify that the created user has all the repository permissions and the **Developer for IBM Enterprise Platforms Client Access License**.
2. Create a project area:
 - a. Log on to the server, at:
[https://\[fully-qualified hostname\]:9443/ccm](https://[fully-qualified hostname]:9443/ccm)
as this user.
 - b. Create a project area.

Note: Explanations about project areas can be found in the Rational Team Concert information center.
3. Verify the access permissions:

To create the language definitions for the Rational Programming Patterns for System z artifacts, you must have the appropriate access permissions.

 - a. Open the project area by right-clicking it in the Team Artifacts tab, and selecting **Open**.
 - b. Open the Process Configuration tab of the project area. Expand **Project Configuration** in the **Configurations** tree and select **Permissions**. In the **Permitted actions** tree, select **Language Definitions** and **Source Code Data**.

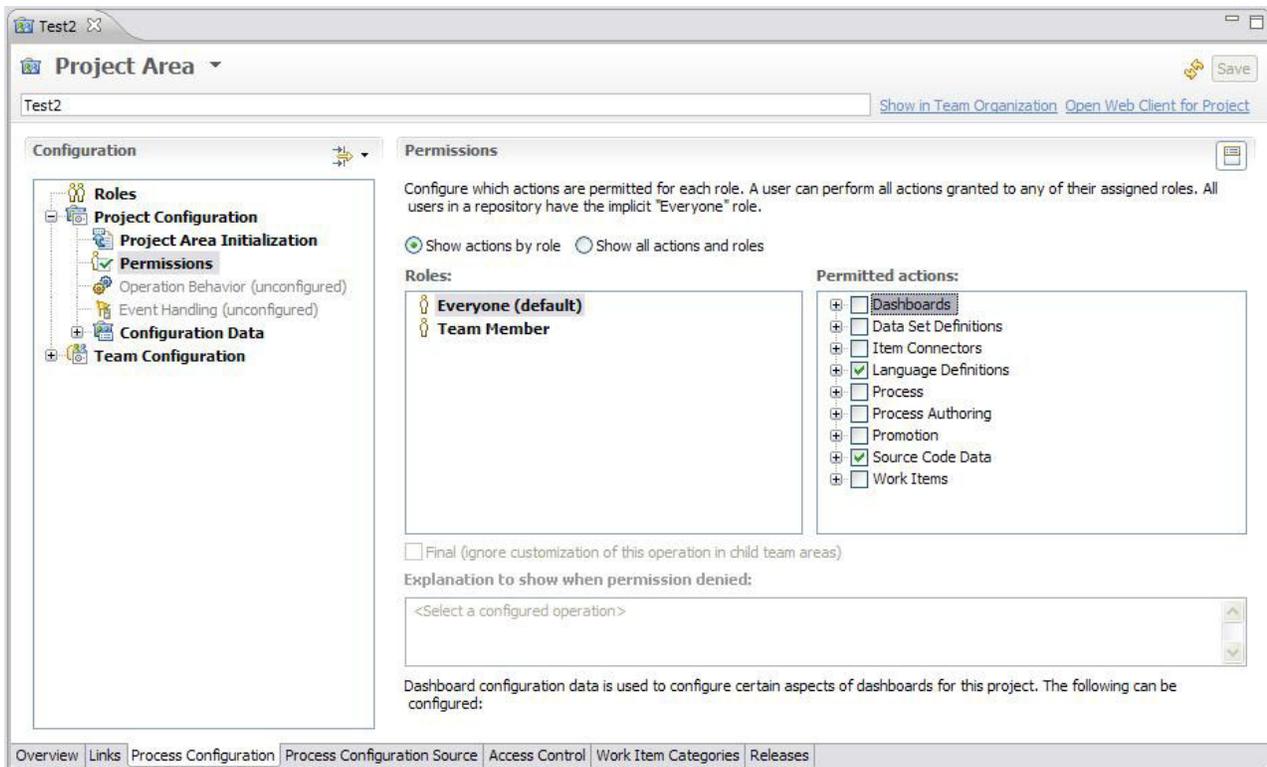


Figure 1. The Process Configuration tab

- c. Save.
4. Create the language definitions and select the associated scanners:
You can now create three language definitions:
 - RPP Design,
 - RPP Design Path,
 - RPP Generated.
- a. Expand the project area in the Team Artifacts tab. Then expand **Enterprise Extensions** → **System Definitions** → **z/OS**. Right-click **Language Definitions** and select **New Language Definition**. The Language Definition editor opens up. It contains a General tab and a Scanners tab.

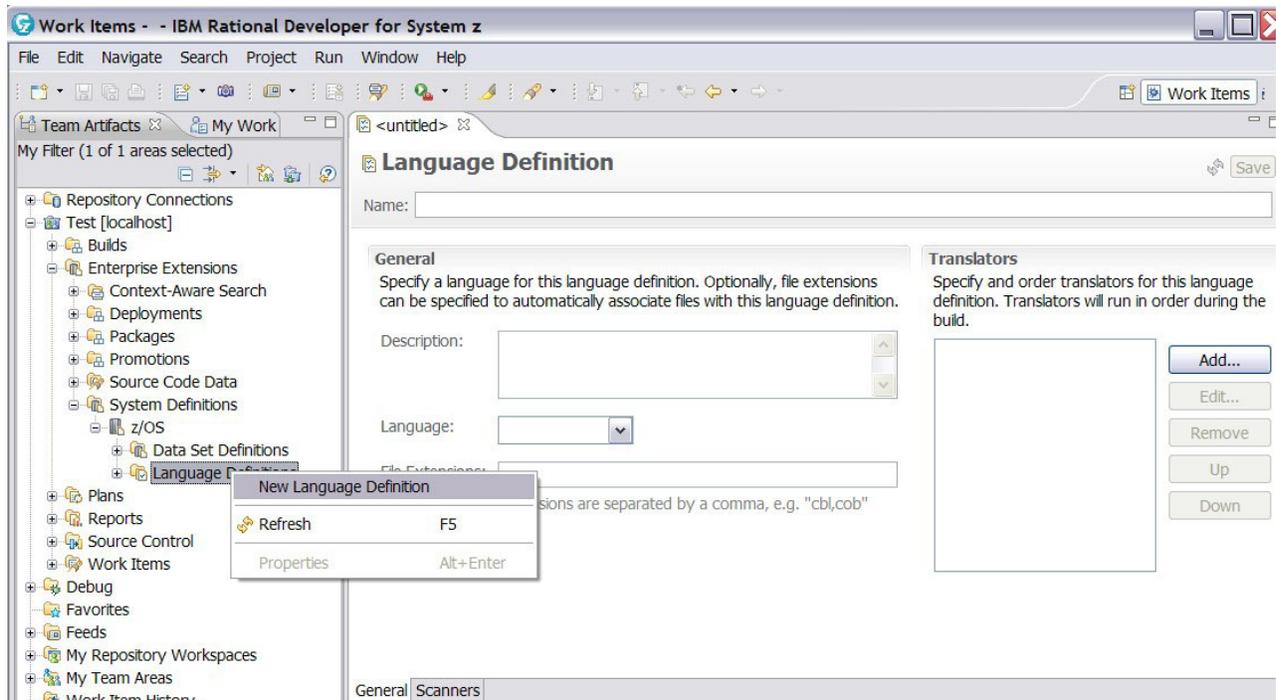


Figure 2. The Language Definition editor

b. Create the language definition for the design artifacts.

1) In the General tab:

- Enter RPP Design in the **Name** field.
- Enter an optional description, such as RPP Design File Scanner, in the **Description** field.
- Select **COBOL** in the **Language** field.
- Enter the following file extensions in the **File Extensions** field:
 dataaggregate, dataelement, dataunit, pacblockbase, pacdialog, pacscreen, pacdialogserver, pacserver, paclibrary, pacmacro, pacprogram, pacreport, pactext, metaentity, userentity, metadataaggregate, metaentitytype

Important: Only these file extensions are used by Rational Programming Patterns for System z. Wildcards cannot be used.

2) In the Scanners tab, remove the default scanner and add the RPP Design Scanner for this language definition.

3) Save.

c. Create the language definition for the design path artifacts.

1) Select **New Language Definition** again.

2) In the General tab:

- Enter RPP Design Path in the **Name** field.
- Enter an optional description, such as RPP DesignPath File Scanner, in the **Description** field.
- Select **COBOL** in the **Language** field.
- Enter the following file extension in the **File Extensions** field:
 designpath

Important: Only this file extension is used by Rational Programming Patterns for System z. Wildcards cannot be used.

- 3) In the Scanners tab, remove the default scanner and add the RPP DesignPath Scanner for this language definition.
- 4) Save.
- d. Create the language definition for the generated artifacts.
 - Select **New Language Definition** again.
 - In the General tab:
 - Enter RPP Generated in the **Name** field.
 - Enter an optional description, such as RPP Generated File Scanner, in the **Description** field.
 - Select **COBOL** in the **Language** field.
 - Enter the following file extensions in the **File Extensions** field:
cblpdp,bmspdp,mappdp,mfspdp

Important: Only these file extensions are used by Rational Programming Patterns for System z. Wildcards cannot be used.

- In the Scanners tab, remove the default scanner and add the RPP Generated File Scanner for this language definition.
- Save.

5. Associate data streams with the language definitions:

Specify which streams are to be scanned. In the Team Artifacts tab, under **Enterprise Extensions**, right-click **Source Code Data**. Then click **Select streams for scanning**. Specify the stream.

If you cannot see any steam, you must create one before selecting it. Follow the instructions of 'Creating steams' in the Rational Team Concert documentation.

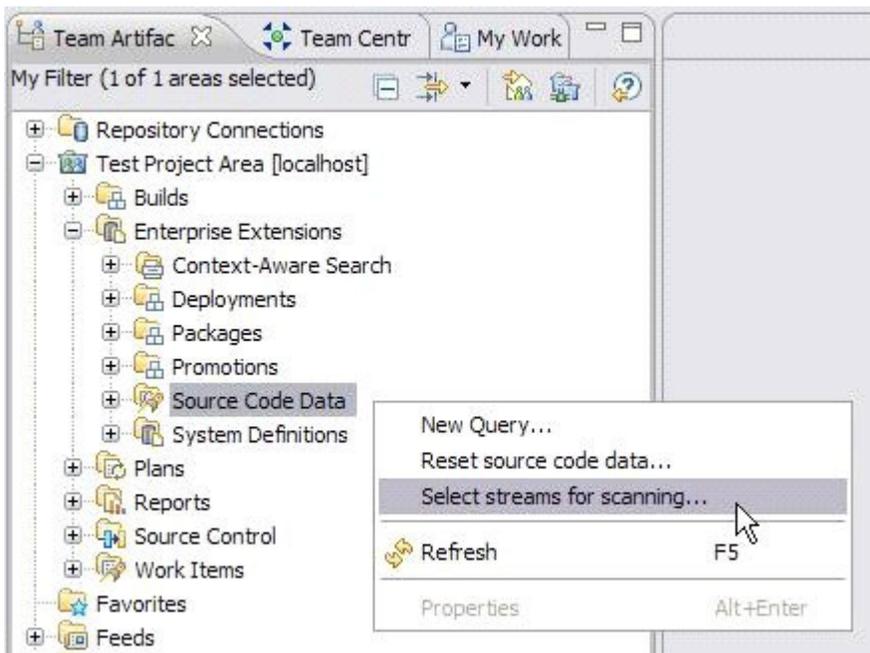


Figure 3. How to access the stream selection wizard

Results

The configuration steps are now finished.

When you deliver a project which contains Rational Programming for System z artifacts, the artifacts will be indexed, after the indexing process has been manually or automatically activated. You will then be able to perform searches on the server repository.

Managing licenses

If you have a trial license and if you need to configure a permanent or fixed term license, you must indicate it after the installation.

See the *Rational Developer for System z Installation Guide, Chapter 6 Post-installation tasks*, subchapter *Managing licenses*.

Accessing the help

By default, the help accessed by Rational Programming Patterns for System z after its installation is the remote help, which requires an Internet connection. However you can choose to install the help locally in order to see it without any Internet connection, or to install it on an intranet server.

To know how to change the way you access the help, see the *Rational Developer for System z Installation Guide, Chapter 6 Post-installation tasks*, subchapter *Remote or Web-based helps*, section *Changing the way that you access help content*.

When all the help-related tasks are performed, you will be able to see the help by selecting **Help** → **Help contents**.

Accessing Web-based help

By default, Rational Programming Patterns for System z is configured to access the remote help from the product infocenter, located at:

<http://publib.boulder.ibm.com/infocenter/rppzhhelp/v8r0/index.jsp>

Open Rational Programming Patterns for System z. This address must be enabled in the table displayed when you select **Window** → **Preferences** → **Help** → **Content**.

If it is not, click **New**. Enter the name and address of the Rational Programming Patterns for System z information center. Then click **Enable**.

Downloading help content

You can download the help from the:

- IBM Local Help System Updater website.

Open Rational Programming Patterns for System z.. Select **Help** → **Local Help Updater**, and select **Rational Programming Patterns for System z** in the list of sites.

If it is not listed, you must add it.

1. Select the '**Internal sites**' filter in the list.
2. Click the + icon.

3. Select **Remote**. Enter the product name and the following address:
http://publib.boulder.ibm.com/infocenter/rppzhhelp/v8r0/site/site.xml
4. Select the location you just created. Expand it and select the nested lines.
5. Click **Install**. The help content is downloaded and installed.

The files will be updated automatically when an Internet connection is available.

- Local help updater program, without an Internet connection.
 1. Extract the content RPPz803_updateSite.zip file, located in the docs directory of the installation disks and images.
 2. Open Rational Programming Patterns for System z. Select **Help** → **Local Help Updater**.
 3. Select the '**Internal sites**' filter in the list.
 4. Click the + icon
 5. Select **Local**. Enter the product name. Select the fully qualified path to the site.xml file located in the extracted content. Click **OK**
 6. Select the internal site you created Expand it and select the nested lines
 7. Click **Install**.
 8. When the installation is complete, close and restart Rational Programming Patterns for System z.
 9. Select **Window** → **Preferences** → **Help** → **Content**. Verify that the local infocenter is enabled. Close the **Preferences** window.

Setting up an intranet server for help content

You can set up an intranet server behind a firewall to provide help content to users. With this method, users do not have to download and save help content to their computers.

To know how to set up an intranet server for help content, see the Installation Manager information center. Select **Enterprise installation articles** → **Delivering help content from an intranet server**.

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