

Rational Integration Tester Platform Pack



# Installation Guide

*Version 8.0.0*



**Note**

Before using this information and the product it supports, read the information in “Notices” on page 27.

This edition applies to version 8.0.0 of Rational Integration Tester Platform Pack and to all subsequent releases and modifications until otherwise indicated in new editions.

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# About this Publication

## **Contents**

### **Intended Audience**

### **Scope**

### **Typographical Conventions**

### **Contacting IBM Support**

This guide describes how to install and configure components of the IBM® Rational® Tester Platform Pack.

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## Intended Audience

This document is intended for users who understand how to install commercial software on Microsoft Windows and Linux- and UNIX-based operating systems.

## Scope

This document describes how to and configure the IBM Rational Integration Tester Platform Pack.

## Typographical Conventions

The following typographical conventions are observed throughout this document:

Type	Usage
Constant Width	Program output, listings of code examples, file names, commands, options, configuration file parameters, and literal programming elements in running text.
<i>Italic</i>	Document title names in statements that refer you to other documents. Also used to highlight concepts when first introduced.
<b>Bold</b>	Menu items in graphical user interface windows (such as Microsoft Windows-based or UNIX X Window applications) from which you select options or execute macros and functions. Submenus and options of a menu item are indicated with a “greater than” sign, such as <b>Menu &gt; Submenu</b> or <b>Menu &gt; Option</b> .

## Contacting IBM Support

To contact IBM Support, see: [www.ibm.com/contact/us/en/](http://www.ibm.com/contact/us/en/)

# Before Installing the Rational Integration Tester Platform Pack

## **Contents**

### **Introduction**

### **HTTP Proxy**

### **JDBC Proxy**

This chapter describes the hardware, software, and installation planning requirements of the components of the Rational Integration Tester Platform Pack.

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## 1.1 Introduction

The Rational Integration Tester Platform Pack contains components that are designed to assist with the testing and virtualization of services based on specific technologies.

Specifically, the components enable the recording of services and virtualization with the minimum of client configuration. They also enable Rational Integration Tester to configure an environment to switch messages automatically between live and stubbed versions of those services.



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## 1.2 HTTP Proxy

The Rational Integration Tester HTTP Proxy can proxy/route both HTTP(S) and general TCP traffic.

The following sections outline hardware, software, and installation planning requirements of Rational Integration Tester's HTTP/TCP Proxy.

### 1.2.1 Hardware Requirements

The Rational Integration Tester HTTP Proxy does not have any special hardware requirements. However, it must be installed on a computer that can communicate with both client applications and server applications.

For information about Rational Integration Tester hardware requirements, refer to *IBM Rational Integration Tester Installation Guide*. For information about Rational Test Control Panel hardware requirements, refer to *IBM Rational Test Control Panel Installation Guide*.

### 1.2.2 Software Requirements

The following table outlines IBM Rational software requirements for the Rational Integration Tester HTTP Proxy.

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Requirement	Mandatory/ Optional/ Conditional	Description
Rational Integration Tester	Mandatory	<p>The Rational Integration Tester HTTP Proxy can be used only with Rational Integration Tester 8.0.0 (or later).</p> <p>For information about Rational Integration Tester software requirements, refer to <i>IBM Rational Integration Tester Installation Guide</i>.</p>
Rational Test Control Panel	Mandatory	<p>The Rational Integration Tester HTTP Proxy can be used only with Rational Test Control Panel 8.0.0 (or later).</p> <p>For information about Rational Test Control Panel software requirements, refer to <i>IBM Rational Test Control Panel Installation Guide</i>.</p>

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Deploying the Rational Integration Tester HTTP Proxy will necessitate configuring any client applications (or the application servers on which they run) that make HTTP(S) or TCP requests to communicate by means of the proxy. Most HTTP(S)-

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based applications have configuration settings to configure a proxy. For TCP-proxying, the requirement is to be able to change the server and port with which a client application communicates.

IBM has tested successfully the application servers listed in the following table as clients of the Rational Integration Tester HTTP Proxy for HTTP traffic. That is, IBM was able to configure the software to route HTTP traffic through the Rational Integration Tester HTTP Proxy.

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<b>Application Server Software</b>	<b>Versions Tested</b>
Apache Tomcat	5.x, 6.x
IBM WebSphere® Application Server	6.1.x, 7.x, 8.x
Oracle WebLogic	10.3
Software AG webMethods Integration Server	8.x
TIBCO BusinessWorks	5.x

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### 1.2.3 Installation Planning

Before deploying the HTTP/TCP Proxy, it is important to consider the following:

- Network segments.
- The proximity of the Rational Integration Tester HTTP Proxy to client and server applications because all traffic will go from client application(s) to the proxy and then to the server application(s).
- Systems that use HTTPS are sometimes locked-down to accept communications only from a particular source, so this might force the location of the Rational Integration Tester HTTP Proxy to be the same as the client application(s).

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## 1.3 JDBC Proxy

The Rational Integration Tester JDBC Proxy enables Rational Integration Tester to:

- Record SQL executed against databases from applications that use JDBC.
- Create and edit database stubs.

Database stubs contain subsets of data from a “live” (production) database. The contents of the stubs are built by analyzing an application’s use of SQL against the live database.

**NOTE:** Users of Rational Tester Virtualization Server (which is a separately licensed product) can publish database stubs to Rational Test Control Panel and run those stubs on Agents.

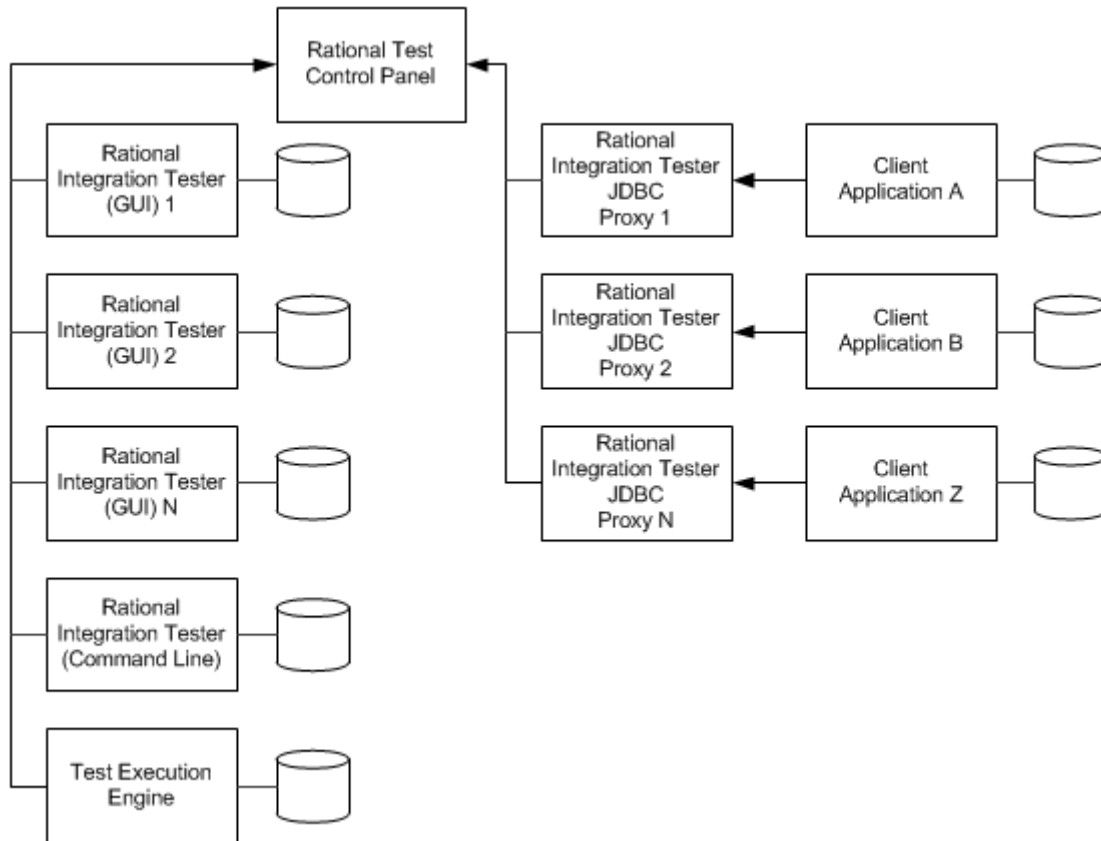
- Start a database stub.

Starting a stub loads the stub data into a simulation database and transparently redirects the application to that simulation database.

Therefore, users can test JDBC applications in a more deterministic manner.

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Each configured Rational Integration Tester JDBC Proxy must be registered with Rational Test Control Panel. The following diagram shows an example network configuration.



The following sections outline hardware, software, and installation planning requirements of Rational Integration Tester's JDBC Proxy.

### 1.3.1 Hardware Requirements

The Rational Integration Tester JDBC Proxy does not have any special hardware requirements.

For information about Rational Integration Tester hardware requirements for Rational Integration Tester, refer to *IBM Rational Integration Tester Installation Guide*. For information about Rational Test Control Panel hardware requirements, refer to *IBM Rational Test Control Panel Installation Guide*.

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### 1.3.2 Software Requirements

The following table outlines IBM Rational software requirements for the Rational Integration Tester JDBC Proxy.

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Requirement	Mandatory/ Optional/ Conditional	Description
Rational Integration Tester	Mandatory	For information about Rational Integration Tester software requirements, refer to <i>IBM Rational Integration Tester Installation Guide</i> .
Rational Test Control Panel	Mandatory	A correctly installed and configured Rational Test Control Panel is required for recording SQL and for stubbing databases.  For information about Rational Test Control Panel software requirements, refer to <i>IBM Rational Test Control Panel Installation Guide</i> .
Rational Test Virtualization Server	Conditional	Rational Test Virtualization Server is required if database stubs are to be published for use outside Rational Integration Tester.

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The following table lists application server software versions tested against the Rational Integration Tester JDBC Proxy. Other versions not listed may also work with the driver.

---

Application Server Software	Versions Tested
Apache Tomcat	5.x, 6.x
IBM WebSphere Application Server	6.1.x, 7.x, 8.x
Oracle WebLogic	10.3
Software AG webMethods Integration Server	8.x
	<b>NOTE:</b> Although the Rational Integration Tester JDBC Proxy can work with the standard JDBC drivers supplied with webMethods Integration Server (WMIS), it cannot work with the Progress DataDirect Connect JDBC driver that is supplied with WMIS. However, Rational Integration Tester JDBC Proxy can work with Progress DataDirect Connect JDBC drivers that are not supplied with WMIS.
TIBCO BusinessWorks	5.x

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Application Server Software	Versions Tested
Java Runtime Environment (JRE)	Irrespective of the application server software used, it is recommended that JRE 1.6 (or later) is used on any clients or servers that are connected to a Rational Integration Tester JDBC Proxy.
<b>NOTE:</b> At a minimum, JRE 1.5 must be used.	

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The following table lists the database management system (DBMS) software versions tested against the Rational Integration Tester JDBC Proxy. Other versions not listed may also work with the driver. It is also possible that other DBMS software not listed in the table may work with the Rational Integration Tester JDBC Proxy.

DBMS Software	Versions Tested
IBM DB2®	9.x
Microsoft SQL Server	SQL Server 2008
MySQL	5.x
Oracle	10g, 11g, Express Edition

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For information about Rational Integration Tester software requirements in general, refer to *IBM Rational Integration Tester Installation Guide*.

### 1.3.3 Installation Planning

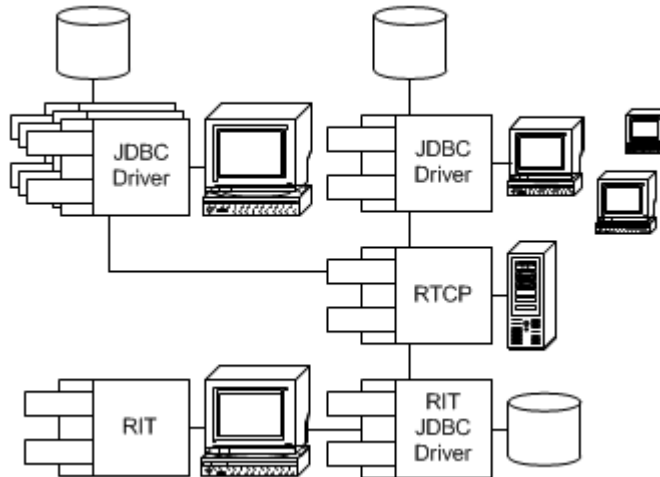
Before installing and configuring the Rational Integration Tester JDBC Proxy, it is important to determine which live databases are to be stubbed and whether there are any database schema or data source requirements.

The following sections discuss these issues.

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### 1.3.3.1 Determining Live Databases for Stubbing

You must identify in advance the live databases that you want to stub. Consider the deployment scenario illustrated in the following diagram.



For each live database that is to be stubbed, you must determine which standalone and hosted applications use JDBC to access that database. If an application that uses JDBC to access the database is a standalone application, the Rational Integration Tester JDBC Proxy will need to be installed in each application. However, if an application that uses JDBC to access the database is a hosted application, the Rational Integration Tester JDBC Proxy will need to be installed only on the application servers that host them, not in the applications.

Rational Integration Tester does not have to be connected to any of the other applications that use JDBC to access the live database. Instead, as each driver starts up, it registers with the Rational Test Control Panel. Rational Integration Tester and the Rational Test Control Panel dashboard are then used to control recording and stubbing.

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### 1.3.3.2 Determining Database Schema Requirements

To stub a database, you must have a second schema (a “simulation schema”) in the **same version** of the DBMS software as the live database. This simulation schema can be another schema on the same database server or on a different server but the software version numbers **must** match.

**NOTE:** This second schema is not required if you are planning to use the driver only to record SQL.

A database administrator (DBA) must use tools supplied with the DBMS to create the any required simulation schemas and must provide the login details to any Rational Integration Tester/Rational Test Virtualization Server users who will use the Rational Integration Tester JDBC Proxy.

**NOTE:** The login details must be for a user with sufficient privileges to administer the database, in particular the rights to create new tables.

### 1.3.3.3 Determining Data Source Requirements

If you are using IBM WebSphere Application Server or Oracle WebLogic, before you can create and configure a data source for SQL recording and/or database stubbing, you must do the following:

1. Set up a data source for each logical database configured in Rational Integration Tester because a data source is needed for each simulation database.
2. Ensure that each data source remains synchronized with the simulation database settings for the physical database resource.

For information about using Rational Integration Tester to create and configure DB2 data sources and other data sources for SQL recording and/or database stubbing, refer to [Creating and Configuring Data Sources \(WAS Installations Only\)](#).



# Installing the Rational Integration Tester Platform Pack

## Contents

### [Installing on Windows or Linux/Unix](#)

This chapter describes how to install the Rational Integration Tester Platform Pack components on Microsoft Windows and Linux/Unix systems.

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## 2.1 Installing on Windows or Linux/Unix

You can install Rational Integration Tester Platform Pack components as part of either of the following offerings:

- IBM Rational Test Workbench
- IBM Rational Test Virtualization Server

For information about installing these offerings, refer to the “Installing IBM Rational Test Workbench” or “Installing IBM Rational Test Virtualization Server” user guide on the Setup disk in the launchpad documentation folder.

The Setup disk includes the launchpad program, which provides you with a single location to start the installation process.

Use the launchpad program to start the installation of software in these cases:

- Installing from product CDs
- Installing from an electronic image on your local file system
- Installing from an electronic image on a shared drive

### 2.1.1 Starting the Launchpad

To install the product, start the launchpad program.

Depending on the source of the product installation, follow one of these procedures to start the launchpad program.

If you are installing from the CDs, complete these steps:

1. Insert the Setup CD into your CD drive.
2. On Linux/Unix, mount the CD drive
3. If autorun is enabled on your computer, the launchpad program starts automatically. If the launchpad does not start automatically, complete one of these steps:
  - On Windows, run the launchpad.exe command, which is located in the root directory of the CD.
  - On Linux/Unix, run the launchpad.sh file, which is located in the root directory of the CD.

If you are installing from electronic disks that you downloaded from IBM Passport Advantage®, open a command line, and change to the directory where you extracted the disk images; and then at the command prompt, complete one of these steps:

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For the Rational Test Workbench offering:

- On Windows, enter **RTW\_SETUP\launchpad.exe**.
- On Linux/Unix, enter **RTW\_SETUP/launchpad.sh**.

For the Rational Test Virtualization Server offering:

- On Windows, enter **RTVS\_SETUP\launchpad.exe**.
- On Linux/Unix, enter **RTVS\_SETUP/launchpad.sh**.

The launchpad program starts.

### 2.1.2 Starting Installation from the Setup Disk

To install Rational Integration Tester Platform Pack as a non-administrator, you must manually run the userinst program from the Setup disk instead of running the launchpad program. Running the userinst program provides the same functions as starting the product installation from the launchpad.

Depending on the source of your product installation, complete one of these procedures to install the product.

If you are installing from the CDs, follow these steps:

1. Insert the Setup CD into your CD drive.
2. On Linux/Unix, mount the CD drive.
3. If autorun is enabled on your computer, the launchpad program starts automatically. Stop the launchpad program.
4. In a command line, change to the root of the Setup disk, and complete one of these steps:
  - On Windows, as an administrator, enter **InstallerImage\_win32\install.exe**.
  - On Windows, as a non-administrator enter **InstallerImage\_win32\userinst.exe**.
  - On Linux/Unix, as a non administrator, enter **InstallerImage\_linux/install**.
  - On Linux/Unix, as an administrator, enter **InstallerImage\_linux/userinst**.

If you are installing from electronic disks that you downloaded from Passport Advantage, open a command line, and change to the directory where you extracted the disk images; then complete one of these steps:

For the Rational Test Workbench offering:

- 
- On Windows, as an administrator, enter **RTW\_SETUP\InstallerImage\_win32\install.exe**.
  - On Windows, as a non-administrator, enter **RTW\_SETUP\InstallerImage\_win32\userinst.exe**.
  - On Linux/Unix, as an administrator, enter **RTW\_SETUP/InstallerImage\_linux/install**.
  - On Linux/Unix, as a non administrator, enter **RTW\_SETUP/InstallerImage\_linux/userinst**.

For the Rational Test Virtualization Server offering:

- On Windows, as an administrator, enter **RTVS\_SETUP\InstallerImage\_win32\install.exe**.
- On Windows, as a non-administrator, enter **RTVS\_SETUP\InstallerImage\_win32\userinst.exe**.
- On Linux/Unix, as an administrator, enter **RTVS\_SETUP/InstallerImage\_linux/install**.
- On Linux/Unix, as a non administrator, enter **RTVS\_SETUP/InstallerImage\_linux/userinst**.

When the userinst or install program starts, Installation Manager is installed if it is not already on your computer. Furthermore, Installation Manager is configured with the location of the repository (installation files) for Rational Integration Tester Platform Pack.

### 2.1.3 Installing the Product Software

By starting the installation process from the launchpad program, Installation Manager is automatically installed if it is not already on your computer, and it starts preconfigured with the location of the repository that contains the product package. If you install and start Installation Manager directly, then you must set repository preferences manually.

To learn how to install the product from a command prompt in silent mode, see the Installing Silently section of the IBM Installation Manager Information Center.

To install the product from the launchpad:

1. If you are installing from compressed files, such as .zip or ISO files, extract the files into a common directory. Extract the disk images to directories that are named /disk1, /disk2, and so on.

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For the Rational Test Workbench offering:

Extract the Setup disk image to a directory that is named RTW\_SETUP. The Setup disk contains the launchpad program.

For the Rational Test Virtualization Server offering:

Extract the Setup disk image to a directory that is named RTVS\_SETUP. The Setup disk contains the launchpad program.

2. If you are installing from a CD, insert the first product disk into your CD drive. If autorun is enabled on your workstation, then the launchpad starts automatically. Otherwise, start the launchpad program manually.
  - On Windows, run the launchpad.exe command, which is located in the root directory of the Setup disk installation image.
  - On Linux/Unix, run the launchpad.sh command, which is located in the root directory of the Setup disk installation image.
3. **Optional:** Select a language in which to run the launchpad and Installation Manager.
4. Select the product to install from the launchpad menu. The Install Packages window opens.
5. Click a product package to highlight it. The description of the package is displayed in the Details pane at the bottom of the screen.
6. To search for updates to the product packages, click **Check for Other Versions, Fixes, and Extensions**. If updates for a product package are found, then they are displayed in the Installation Packages list on the Install Packages page below their corresponding products. Only recommended updates are displayed by default.

**NOTE:** To ensure the best performance of the installation, and the products after they are installed, install the product updates.

- To view all updates that are found for the available packages, click **Show all versions**.
- To display a package description in the Details pane, click the package name. If additional information about the package is available, such as a readme file or release notes, a More info link is included at the end of the description text. Click the link to display the additional information in a browser. To fully understand the package that you are installing, review all information.

**NOTE:** For Installation Manager to search the predefined IBM update repository locations for the installed packages, the Search the linked

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repositories during installation and updates preference on the Repositories preference page must be selected. This preference is selected by default. Internet access is also required. A progress indicator shows that the search is taking place. You can install updates at the same time that you install the base product package.

7. Select the product package and any updates to the package to install. Updates that have dependencies are automatically selected and cleared together. Click **Next** to continue.

**NOTE:** You might see the error, “Packages IBM Rational *product name and version* and IBM Rational *product name and version* cannot coexist in the same package group.” To resolve this error, search for updates to the product packages by clicking **Check for Other Versions, Fixes, and Extensions** and install them. If updates for a product package are found, they are displayed in the Installation Packages list on the Install Packages page below their corresponding products. Only recommended updates are displayed by default. If you install multiple packages at the same time, then all the packages are installed into the same package group.

8. On the Licenses page, read the license agreement for the selected package. If you selected more than one package to install, there might be a license agreement for each package. On the left side of the License page, click each package version to display its license agreement. The package versions that you selected to install (for example, the base package and an update) are listed under the package name.
  - a. If you agree to the terms of all of the license agreements, click **I accept the terms of the license agreements**.
9. On the Location page, create a package group to install the product package into or if this is an update, use the existing package group. A package group represents a directory in which packages share resources with other packages in the same group. Click **Next** to continue.
10. On the Features page, select the package features to install.
  - a. **Optional:** To see the dependency relationships between features, select Show Dependencies.
  - b. **Optional:** Click a feature to view its brief description under Details.
  - c. Select or clear features in the packages. Installation Manager automatically enforces any dependencies with other features and displays updated download sizes and disk space requirements for the installation.
  - d. When you are finished selecting features, click **Next** to continue.

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11. On the common licensing configuration page, type the TCP/IP port number and host name of the license servers to use to configure licensing on the workbench computer. Separate the port number and host name with the at sign (@). Separate the port-host pairs with semicolons (;). To use the default port, omit the port number. If you do not know the port numbers and names of license servers to use, you can configure the license servers after installation by using Rational License Key Administrator. For example, to configure three license servers that are named license1, license2, and license3 to use port 27000, the default port, and port 1765 respectively, enter this text:  
  
`27000@license1;@license2;1765@license3`
  12. On the Summary page, review your choices before installing the product package. To change the choices that you made on previous pages, click **Back**, and make your changes. When you are satisfied with your installation choices, click **Install** to install the package. A progress indicator shows the percentage of the installation that is completed.
  13. When the installation process is complete, a message confirms the completion of the process.
    - a. Click **View log file** to open the installation log file for the current session in a new window. You must close the Installation Log window to continue.
    - b. In the Install Package wizard, select whether to start the product when you exit.
    - c. Click **Finish** to start the selected package. The Install Package wizard closes and you are returned to the launchpad program.

# After Installing the Rational Integration Tester Platform Pack

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[HTTP Proxy](#)

[JDBC Proxy](#)

This chapter describes how to configure Rational Integration Tester Platform Pack components after they have been installed.



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## 3.1 HTTP Proxy

To verify that a specific HTTP or TCP proxy has been deployed successfully:

1. Log into Rational Test Control Panel as “administrator”.
2. Click the **Proxies** icon on the Rational Test Control Panel dashboard.

The proxy should be displayed on the **Agents** page.

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## 3.2 JDBC Proxy

To set up the Rational Integration Tester JDBC Proxy for use:

1. Create and configure data sources (WAS installations only).
2. Set up a logical/physical database for your Rational Integration Tester project.

The following sections describe these steps.

### 3.2.1 Creating and Configuring Data Sources (WAS Installations Only)

If you have deployed the Rational Integration Tester JDBC Proxy on IBM WebSphere Applications Server (WAS), the following sections describe how to create and configure data sources for IBM DB2 data sources and for other data sources.

#### 3.2.1.1 IBM DB2 Data Sources

**NOTE:** If you have already set up a DB2 data source in Rational Integration Tester, only the instructions for selecting a data source and enabling/disabling it are relevant.

To create and configure a DB2 data source for SQL recording and/or database stubbing:

1. Run Rational Integration Tester and create a new project or open an existing project.
2. In Architecture School's Physical View, click **IBM** on the Physical View toolbar.
3. On the **IBM** menu, click **IBM WebSphere Application Server**.

The New IBM WebSphere Application Server dialog box is displayed.

4. Click the **Data Sources** tab.

The data sources configured on WAS are displayed. To facilitate enabling SQL recording and/or database stubbing, Rational Integration Tester has defined two new data sources and has renamed the original data source in JNDI.

5. Select the DB2 data source for which you want to enable SQL recording and/or database stubbing and click **Enable database stubbing**. Alternatively, to stop SQL recording and/or database stubbing for the selected data source, click **Disable database stubbing**.

The **Status** column on **Data Sources** tab is refreshed to confirm that the selected data source is now enabled (or disabled) for database stubbing.

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To facilitate enabling SQL recording and/or database stubbing, Rational Integration Tester has defined two new data sources and has renamed the original data source in JNDI.

Each application that is hosted on the server running WAS that uses the specified data source will now receive a Green Hat stub data source when it looks up the specified data source in JNDI. The stub data source will look up connections to the live and simulation databases as needed.

### 3.2.1.2 Other Data Sources

To create and configure a non-DB2 data source for SQL recording and/or database stubbing:

1. Using the relevant profile, log into WebSphere Integrated Solutions Console.
2. Click **Resources > JDBC > Data sources**.
3. In the **Scope** list, click the relevant scope.
4. Click **New** to open the Create a data source wizard.

The first screen of the Create a data source wizard is displayed.

5. In the **Data source name** field, enter the name a data source that will be used to the simulation database.
6. In the **JNDI name** field, enter the JNDI name for the new data source.

For information about the other screens in this wizard, refer to IBM WebSphere documentation or go to [ibm.com](http://ibm.com).

**NOTE:** The database connection string, default schema, user name and password must match the simulation settings within Rational Integration Tester.

7. Save the changes in the Integrated Solutions Console.
8. **Optional:** Test the connection to the new data source.
9. Run Rational Integration Tester and create a new project or open an existing project.
10. In Architecture School's Physical View, click **IBM** on the Physical View toolbar.
11. On the **IBM** menu, click **IBM WebSphere Application Server**.

The New IBM WebSphere Application Server dialog box is displayed.

12. Click the **Data Sources** tab.

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The data sources configured on WAS are displayed.

13. Select the data source for which you want to enable SQL recording and/or database stubbing and click **Enable database stubbing**. Alternatively, to stop SQL recording and/or database stubbing for the selected data source, click **Disable database stubbing**.

A confirmation prompt is displayed.

Select the data source that you configured to connect to the simulation database.

14. Click **OK**.

If the Rational Integration Tester project contains more than one database, a confirmation prompt is displayed.

15. Select the database that you want to enable for SQL recording and/or database stubbing.
16. Select the connection string that matches the data source that you want to enable for database recording.

The **Status** column on **Data Sources** tab is refreshed to confirm that the selected data source is now enabled (or disabled) for database stubbing. To facilitate stubbing, Rational Integration Tester has defined one new data source and has renamed the original data source in JNDI.

Each application that is hosted on the server running WAS that uses the specified data source will now receive a Green Hat stub data source when it looks up the specified data source in JNDI. The stub data source will look up connections to the live and simulation databases as needed.

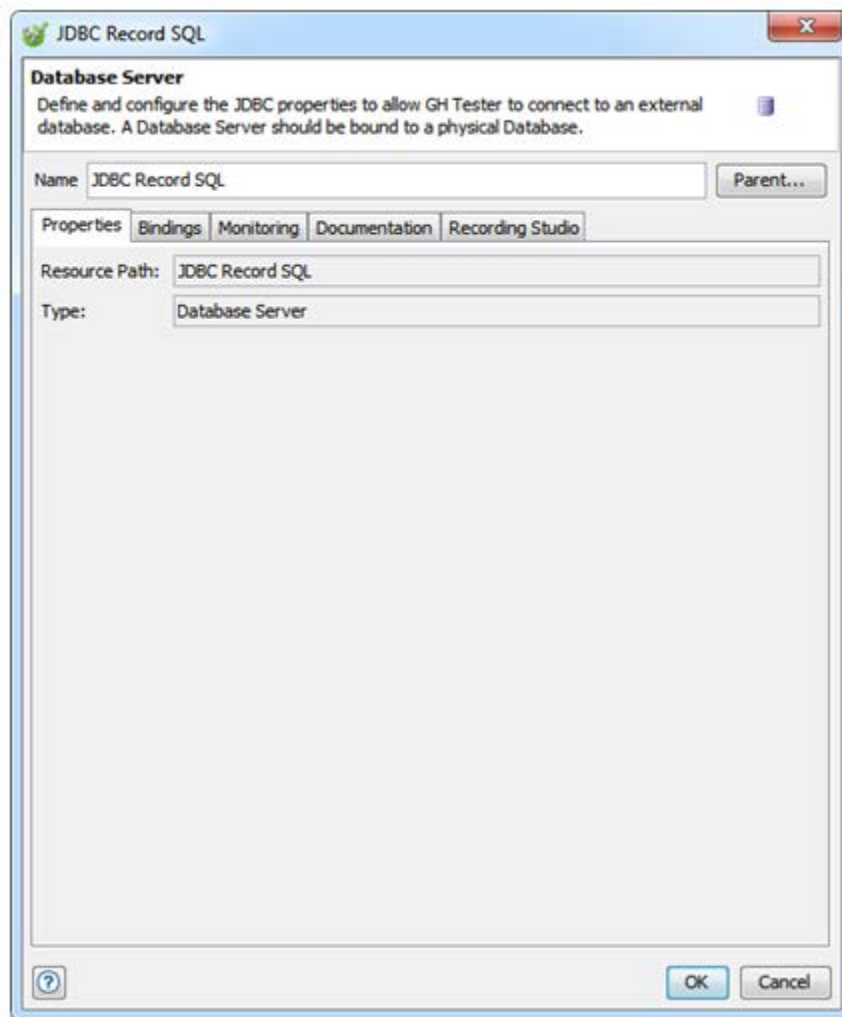
### 3.2.2 Setting Up a Logical/Physical Database

To set up a logical/physical database in Rational Integration Tester:

1. Using Architecture School's Logical View, click **General**.
2. On the **General** menu, click **Database Server**.

The Create a Database Server dialog box is displayed.

3. In the **Name** field, enter a name for the logical database resource that will represent the database against which you are going to record activity against or that you wish to stub.



4. Click **OK**.
5. Click the **Physical View** tab.
6. On the **Physical View** tab, click **General**.
7. On the **General** menu, click **Database**.

The Database (Properties) dialog box is displayed.
8. **Optional:** In the **Name** field, enter a name for the physical database.
9. In the **Maximum Number of Connections** field, enter the maximum number of connections allowed to the database.
10. In the **Driver** list, click the relevant driver.

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11. In the **Database URL** field, enter the connection string that will be used by the application that will be making JDBC calls to the database.

**NOTE:** The connection string must match the connection string used by the application that will be making JDBC calls to the database. This is because the Rational Integration Tester JDBC Proxy uses the connection string entered in Rational Integration Tester's physical resource to match connections to databases made by applications.

12. In the **User Name** field, enter the name of the relevant database user.

13. In the **Password** field, enter the database user's password.

**NOTE:** The user name and password should be provided by a database administrator (DBA).

14. Click **Test Connection** to verify that Rational Integration Tester can connect to the specified database.

15. If you will be stubbing the specified database, click the **Stub Settings** tab.

**NOTE:** If you will be recording SQL from the specified database but not stubbing it, there is no need to enter any data on the **Stub Settings** tab.

16. In the **User Name** field, enter the name of the relevant database user.

17. In the **Password** field, enter the database user's password.

18. In the **Database Schema** field, enter the name of the simulation schema. For information about this, refer to [Determining Database Schema Requirements](#).

19. Click **Test Stub Connection** to verify that Rational Integration Tester can connect to the specified database.

20. Click **OK**.

21. Click the **Logical View** tab.

22. On the **Logical View** tab, right-click the logical database resource (that represents the database against which you are going to record activity against or that you wish to stub) and click **Set Binding in** and the relevant environment and physical database on the shortcut menus

Alternatively, on the **Logical View** tab, double-click the logical database resource to open the Database Server dialog box, click the **Bindings** tab, click the relevant

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environment, and click the relevant physical database in the **Binding** list for that environment.

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# Glossary

The following table below lists some of the key terms used in this document, and provides a description of each.

Term	Description
Proxy	A proxy server is a server (a computer system or an application) that acts as an intermediary for requests from clients seeking resources from other servers.
Server	A host computer on a network shared by more than one user.



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