

Installing Rational Rose

Rational Rose 2001

VERSION: 2001.03.000

PART NUMBER: 800-023907-000

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Rational®
the e-development company™

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Preface

This manual provides an introduction to the Rational Software Setup wizard used for installing Rational Rose.

Audience

This guide is intended for system administrators who are installing or upgrading Rational Rose.

Other Resources

- Online Help is available for Rational Rose.
- All manuals are available online, either in HTML or PDF format. The online manuals are on the Rational Solutions for Windows Online Documentation CD.
- For more information on training opportunities, see the Rational University Web site at www.rational.com/university.

Contacting Rational Technical Publications

To send feedback about documentation for Rational products, please send e-mail to the technical publications department at techpubs@rational.com.

Contacting Rational Technical Support

If you have questions about installing, using, or maintaining this product, contact Rational Technical Support as follows:

Your Location	Telephone	Facsimile	E-mail
North America	(800) 433-5444 (toll free) (408) 863-4000 Cupertino, CA	(781) 676-2460 Lexington, MA	support@rational.com
Europe, Middle East, Africa	+31 (0) 20-4546-200 Netherlands	+31 (0) 20-4545-201 Netherlands	support@europe.rational.com
Asia Pacific	+61-2-9419-0111 Australia	+61-2-9419-0123 Australia	support@apac.rational.com

Note: When you contact Rational Technical Support, please provide the following information:

- Your name, telephone number, and company name
- Your computer's make and model
- Your operating system and version number
- Product release number and serial number
- Your case ID number (if you are following up on a previously reported problem)

Using this Guide

Before installing Rational Rose software, read the following:

- *Installation Prerequisites* on page 7
- *Rational Software Setup Overview* on page 10
- *Silent Installation Overview* on page 12

Installation Prerequisites

To install Rational Rose software, you must:

- Obtain or have administrator privileges
- Obtain or have Rational license keys
- Meet the minimum system and software requirements

Administrator Privileges

You must have Windows NT or 2000 administrator privileges on the local system to use the Rational Software Setup program on a Windows NT or 2000 system. Log in as one of the following:

- Local administrator
- Member of the local administrator's group
- Domain administrator who is a member of the local administrator's group

System and Software Requirements

Before installing Rational Rose, review the system and software requirements in the following table. Upgrade your system or software as necessary before installing Rational Rose.

Item	Minimum Requirements
Operating System	Microsoft Windows 2000, NT 4.0 with service pack 4, 5, or 6, Windows 9x.
Processor	166 MHz or greater; 300 MHz or greater.
Disk Space	200 MB
Memory	64 MB or greater; 128 MB is recommended.
Monitor	800 X 600 X 256-color video resolution, or greater.
Mouse	Any two-button pointing device.
Automated License Key Requests	Internet e-mail connection required for automated license key request.
Browser	Microsoft Internet Explorer 4.x with Service Release 1 or greater; or Netscape Navigator 4.x. You must install Internet Explorer to use Rational Software products, however you are not required to use it as your default browser.

Default Installation Path

The Rational Software Setup wizard uses C:\Program Files\Rational as the default installation path. The Setup wizard reports the amount of space available.

If your C:\ drive lacks sufficient free disk space, select another drive during the installation, or delete unnecessary programs and files to create adequate space on the default drive.

When you install Rational Rose, the Setup wizard installs Rational software system files in the Windows directory or Windows systems directory regardless of the location you specified.

The Setup wizard installs Microsoft core components and some additional files on the same drive as the operating system (often the C:\ drive), even if you have specified an alternate drive for installation. These files can require up to 20 MB of disk space on your hard drive.

Note: If you have already installed Rational Rose, you cannot select another location for this installation.

Administering Licenses

Before installing Rose, read the *Administering Licenses for Rational Software* manual for descriptions on the Web-based license manager AccountLink, the Rational License Key Administrator, and the Rational Common Licensing model. *Administering Licenses for Rational Software* provides instructions and troubleshooting information for acquiring, installing, and configuring licenses.

You must install license keys to use Rational products. You can install the license keys either before or after you install the products.

If you plan to upgrade the license server with other Rational products installed on its system, you must upgrade all Rational products to the current release. Older versions of Rational products residing on an upgraded license server might not work as expected.

Licensing Options

Rational Software Setup wizard provides the following licensing options:

- Import an existing license contained in a .upd file
- Obtain a license key from a license server
- Use a temporary Node-locked key
- Use an existing license when upgrading or reinstalling Rose
- Use the License Key Administrator to request a license after the installation

Installing Multiple Rational Products

If installing individual Rose products and a Rational Suite edition on the same system, the system user must first obtain a Rational Suite license.

Note: If the Rational Software Setup wizard detects PerformanceStudio on the system, the Setup wizard prompts you to remove PerformanceStudio before installing other Rational products. Rational has merged features found in PerformanceStudio with Rational TestStudio, and no longer provides upgrades for PerformanceStudio.

See *Administering Licenses for Rational Software* for more information about licenses and obtaining license keys.

Rational Software Setup Overview

Rational products use the Rational Software Setup wizard to install Rational software. Before installing Rational Rose, you must:

- Select the installation option type
- Select the installation configuration options
- Select and install licensing key
- Accept the License Agreement
- Choose product features
- Update shared files, as needed

When installing Rational Rose in a distributed environment, you can record an installation session and distribute Rose software to systems in your environment using the silent installation and Rational Software Setup command-line syntax. For instructions on using the Rational silent installation features, see *Using Silent Installations* on page 17.

To uninstall Rational Rose, use the Rational Software Setup wizard and Microsoft Add/Remove program. For instructions on uninstalling Rational Rose, see *Uninstalling Rose* on page 15.

Installation Options

The Rational Software Setup wizard performs the following installation types:

- Install a Rational product
- Install a license server
- Install unlicensed tools provided by Rational

Before installing Rose, you must know your configuration and licensing requirements. The Setup wizard also installs the FLEXLm license sever software. The license server software and license options are explained in *Administering Licenses for Rational Software*. Read *Administering Licenses for Rational Software* to determine which license configuration best meets your requirements.

Installation Configuration Options

The Rational Software Setup wizard provides several installation configuration options, allowing you to install the configuration most appropriate for your system. Review the options listed in the table.

Option	Description
Typical	Installs the most commonly used Rational Rose features; use this option for standard installations.
Custom/Full	Allows you select product features for installation; the default selections are the same as those found in the Typical installation option.
Compact/Laptop	Installs a subset of the standard installation configuration; this selection omits optional files, including online documentation or online help. Use this option for installations on systems with limited disk space.
Minimum	Installs the files needed to run the program from a network location. Use this option to run the program from a centrally managed location. Note: You must have write permission to run products from a minimum install area.

Choosing Product Features

You can limit the features installed with Rose by selecting the Custom/Full installation configuration option from the Rational Software Setup wizard. This option displays the features available in the version of Rose you are installing and allows you to change the default selections.

When you choose the Typical, Compact/Laptop, or Minimum installation configuration options, you install the default product features for the specific configuration.

Update Shared Files

The Rational Software Setup wizard installs shared files and components provided by companies other than Rational. These shared files and components are used when you run Rose and are available to other applications on your system. The Setup wizard installs the United States English language version of these files. The Setup wizard does not overwrite newer versions of these shared files and components that reside on you system.

If during a Rose software installation, the Rational Software Setup wizard detects out-of-date shared files, the wizard prompts you to review the list of files and components which use these files. Rational recommends that you let the Setup wizard update the shared files during the installation. You have the option to cancel the software installation to update the files outside of the Rational software setup process.

Previous Versions of Rational Products

Because Rational tools share files and components, installing this version of Rose can cause the older Rational products to stop working. You can upgrade or remove the older products after the installation of this version of Rose.

Upgrading the Rational product updates all necessary files, registry entries, startup menu items, and shared components on your system.

To remove older versions of Rational products, see *Uninstalling Rose* on page 15.

Silent Installation Overview

You can install Rose using Rational Software Setup silent install options and command-line syntax to distribute to systems in your environment. Silent installations require:

- Recording an installation session
- Knowing the location of Rational products on the machines in your system
- Distributing and executing the installation
- Obtaining the license keys to use Rational Rose

For detailed information on silent installations, *RSSetup* command-line syntax, and executing post-installation commands, see *RSSetup Command Syntax* on page 21.

This chapter describes steps for installing Rational Rose, removing Rose, and troubleshooting the installation. Review the following topics before installing Rose:

- *Using the Rational Software Setup Wizard* on page 13
- *Troubleshooting the Installation* on page 15
- *Uninstalling Rose* on page 15

Using the Rational Software Setup Wizard

Be prepared to install Rose without interruption. Interrupting the installation may leave your system in an indeterminate state. If errors occur during the installation, you can review the Error Summary, which displays errors from the first part of the software installation. You can find the list of files installed with this installation at the following location: `<Install Path>\Rational\RSSetup\RSSetup.log`

When installing Rose, the Rational Software Setup wizard uses the following steps:

- 1 To start the Rose installation, insert the Rational Solutions for Windows CD into the CD drive.

If the Setup wizard does not start, autorun is disabled. Click **Start > Run** and enter `drive: \Setup.exe`.

- 2 Choose one of the following installation options, then click **Next**:

- Install a Rational product
- Install the license server
- Install unlicensed tools provided by Rational

- 3 Select one of the Install/Licensing options, then click **Next**.

- Import a license file; the .upd file containing the license keys
- Obtain license keys from the server; uses floating license keys from the specified server

- Enter Temporary Node-locked key; use for evaluation or emergency product use
- Upgrade or reinstall; assumes that you have an existing license key
- Install Product before licensing

The License Key Administrator appears in your **Start Menu** after you have installed Rational products.

4 Choose the product to install, then click **Next**.

5 Click **Yes** to accept the Rational Software license agreement.

If you do not accept the license agreement, you cannot continue with the Rose installation. No changes are made to the your system.

6 Select one of the Setup Configuration options:

- Typical
- Custom/Full
- Compact/Laptop
- Minimal

7 Select the Rose features to install from the Choose Features page.

The Choose Features page displays when you select the Custom/Full setup configuration option.

8 Click **Next** after review installation location and selections. Use the Browse button to select a program installation location other than the default.

9 Click **Next** to have the Rational Software Setup wizard update shared files.

Click **Cancel** to exit the Rational Software Setup wizard and install outdated shared files yourself.

10 Click **Finish** to complete the installation.

Possible Restart Required

If files required for the installation are in use during the Rational Software Setup program, and if the program needs to install shared components on your system, the Setup program may need to restart your system. After restarting, do the following:

- 1** Log on as the administrator, using the same user name and ID.
- 2** Click **Finish** to complete the Rational Software Setup wizard.

Troubleshooting the Installation

If you have problems running the Rational Software Setup wizard, review the following checklist before calling Rational Customer Support:

- Did you close all running applications before beginning the installation?
- Did you turn off all virus protection software? These programs often run in the background and interfere with the installation and file decompression process.
- Did you turn off any user interface managers or desktop environments that run on top of Microsoft Windows.
- Try using a standard VGA video driver while Rational Setup is running, or disable video features such as virtual screens or screen switching.
- Try using a standard mouse driver, or disable special mouse features that perform tasks such as leaving pointer trails or changing pointer sizes.
- Verify that your system meets the minimum system requirements listed in *System and Software Requirements* on page 8.

Uninstalling Rose

Before removing Rose, you must have Windows NT administrator privileges on the Windows NT or 2000 system local machine.

Make sure that no one is using the application or any associated Rose files. You cannot remove files that are in use. If someone is using Rose while you are running the uninstall, the files created by the user are not deleted. You must manually remove any remaining Rose directories and files.

The uninstall process does not remove directories that contain files created by other Rational products.

Removing Rational Software

To remove Rose from your system:

- 1 Open the Windows **Control Panel**.
- 2 Double-click **Add/Remove Programs**.
- 3 Select Rational Rose and click **Add/Remove**.

The Rational Software Setup program begins.

- 4 Click **Next** in the Rational Software Setup wizard to begin the uninstall.
- 5 Click **Restart** or **Don't Restart** to continue the uninstall process, and then click **Finish**.
- 6 Restart to complete the uninstall. However, you can complete this step at a later time.

You can configure the Rational Software Setup Wizard to perform unattended (silent) installations of Rose software. Silent installations allow you to distribute and install Rose using the same parameters on multiple systems. Silent installation parameters are set by recording a software installation session and using Rose Software Setup command-line syntax.

This chapter summarizes Rose silent installation features and provides a brief description of Rational Software Setup command-line syntax. For detailed information, read Rational's *Silent Installation White Paper* available at www.rational.com.

Using Silent Installations

To perform a silent installation, you must complete the following steps:

- 1 Record an installation session.
- 2 Optionally, add a post-installation command to the recorded session.
- 3 Execute the installation session.

Recording a Software Installation

Recording the software installation saves a file containing your responses to prompts from the Rational Software Setup wizard. You use the resulting response file to replay the session which installs Rose on other systems in your enterprise.

When the installation recording completes, a prompt displays asking whether you want to continue the installation or exit the wizard without installing the product.

To record the installation:

- 1 Insert the Rational Solutions for Windows CD in a CD drive.
- 2 Open a command window on your system.
- 3 Run RSSetup using the `-autocapture` switch. For example:
`<Install Location>\setup\rssetup -autocapture`

The `<Install Location>` is the drive containing the Rational Solutions for Windows CD. When the Rational Software Setup wizard starts, proceed with the installation procedure. Your responses are recorded in the responses file `<Install Location>\RSSetup\response.ini`.

Note: When you use the `-autocapture` switch, you cannot use the temporary license option. The silent installation procedure does not capture license certificate information in the `response.ini` file.

- 4 After answering the installation prompted questions, click **OK** to proceed with the installation, or **Cancel** to exit the Setup wizard.

Note: Your responses are saved in the `response.ini` file even when you cancel the installation.

Specifying a Post-Installation Command

You can specify a post-installation command that executes when the silent installation has finished. To execute a post-installation command, you edit the `response.ini` file using a text editor, such as Notepad. The system runs the post-installation command from the `post-installation-commands.bat` file. Examples of `post-installation-commands.bat` are:

```
licadmin -fserver.txt
net send administrator "Installation Complete"
```

In this example, the License Key Administrator, `licadmin`, starts and uses the information in `server.txt` to specify the name of the license server used by the current system. The batch file then sends a message to the administrator indicating that the installation procedure is complete. See *License Key Administrator Command Line* on page 25 for the command syntax.

Rational Software does not support editing the response file beyond adding a post-installation command and changing features described in the *Silent Installation White Paper*.

To edit the response.ini file:

- 1 Add a line to the end of the file that is similar to the following example. Use the required [PostInstallCmd] label as shown in this example:

```
[PostInstallCmd]
Command=post-installation-commands.bat
```

- 2 Save the response file using a unique name. Using a new file protects the edited response from being overwritten by subsequent installation autocapture recordings. For example, save the response file with a name such as c:\responses\ent-w-post.ini.

The following example shows a command you could use to execute the edited response file with the post-installation command:

```
rssetup -silent -response:c:\responses\ent-w-post.ini
```

Performing a Silent Software Installation

After recording the installation responses in the response.ini file, use the response file to replay the installation. Type a command such as the following to perform the silent install using the response file:

```
<Install Location>\setup\rssetup -silent -response:response-path
```

The *response-path* variable is the path of the response file. The default path is c:\Program Files\Rational\RSSetup\response.ini. When the response file is stored at the default location, you do not have to specify the *response-path* parameter. The Ration Software Setup wizard uses the response file located in default location for each Rose software installation. To use an alternate location or different response file, in the RSSetup command line use the *-response:response-path* parameter to specify the location and response file name.

Recording an Installation from RSSetup Command Line

If you specify *-autocapture* on the RSSetup command line, your installation initially selects the product name identified in the previous response.inifile. You can select a new product for installation to override the default product selection. The *-autocapture* command saves a new response.ini file at the end of the installation procedure.

If you specify *-autocapture* on the RSSetup command line, the installation wizard selects the product name identified in the previous response.ini file. You can override the default product selection. Using *-autocapture* with a different product selection produces a new response.ini file.

For additional information about the Rational Software Setup command-line syntax, see *RSSetup Command Syntax* on page 21.

Configuration Management for Silent Installations

Before distributing Rose software to users using silent install, verify that users have Rose program files installed on their systems in the same location. If the location of the Rose program files is different from the location you specified in the response file, the silent installation installs the latest program files in the new location. Rose installed in two places negatively impacts software performance.

Silent Installation Error Messages

You can view silent installation messages in the file `<InstallPath>\RSSetup\Error.log`. The following table describes silent installation error messages.

Message	Description
Product <code><ProductName></code> specified in response file is not contained in the product list.	This message appears when the <code>response.ini</code> file contains an invalid product name. Review the Product Identifiers table in this chapter for the correct product name.
Unable to open response file.	This error occurs when the installation procedure cannot locate the <code>response.ini</code> file. Either you have specified an incorrect path or the <code>response.ini</code> file is not in the default location.
Information required to remove the specified product cannot be found. The product may not be removed automatically.	When you tried to remove a product with the <code>/uninstall</code> switch, you either specified a product that is not installed on your system or you incorrectly typed the product name on the command line. Confirm that you are specifying a product on your system. Confirm that you have typed the product name exactly as it appears in the Rational Software Setup program.

Preparing Multiple Response Files

You can save multiple response files to support an unattended installation of different products.

- 1 Identify a directory where to store your response files, such as a directory named `C:\responses`.
- 2 Record a response file for each product to install.

- 3 Rename each response file with a unique file name. For example, save the Rose response file as `C:\responses\Rose-responses.ini`.
- 4 Perform the installation and specify the path to the response file as a parameter to the `-response` switch. For example: `<Install Location>\setup\rssetup -silent -response:c:\response\Rose-response.ini`

RSSetup Command Syntax

The RSSetup command syntax is as follows:

```
RSSetup [-silent [-response:response-path]] |
        [-verbose [-response:response-path]] |
        [-autocapture]
        [/product <product>] [/install /uninstall /update]
```

Review the RSSetup command parameters listed in the table. Some command parameters are not for use with silent installations.

Parameter	Description
<code>-silent</code>	Performs an unattended installation.
<code>-verbose</code>	Replays a recorded installation, allowing you to override the recorded responses. Note: If you override the responses, those changes are not written to the response file.
<code>-response: response-path</code>	Specifies the path to the response file; <i>response-path</i> is the path for the response file. The default path is <code><Install Location>\Setup\RSSetup\response.ini</code> , where <code><Install Location></code> is the location of the installation files.
<code>-autocapture</code>	Records your responses to a software installation, storing the responses in a file for later replay.
<code>/product product-identifier</code>	Specifies the product you are installing. See the Product Identifiers table in this chapter for the list of product identifiers to use with this parameter. You must use the exact name of the product with this parameter. Do not use this parameter for silent installations. For a silent installation, specify the product name in the response file instead.

Parameter	Description
/install	<p>Installs the product you specified with the /product switch.</p> <p>This switch cannot be combined with /uninstall or /update.</p> <p>Do not use this parameter for silent installations. For a silent installation, specify the product name in the response file instead.</p>
/uninstall	<p>Removes the product you specified with the /product switch.</p> <p>This switch cannot be combined with /install or /update.</p>
/update	<p>Updates the product you specified with the /product switch.</p> <p>This switch cannot be combined with /install or /uninstall.</p> <p>Do not use this parameter for silent installations.</p>

The table lists the product identifiers to use with the /product switch when using the RSSetup command line.

Product Name	Product Identifiers
Rational LoadTest	atbuLoadTest
Rational Test Agent	atbuPSAgent
Rational Test Enablers	atbuSetupEnablers
Rational Test Manager	atbuTestManager
Rational TeamTest	atbuTeamTest
Rational Robot	atbuTSRobot
Rational ClearCase LT Client	ClearCaseLTClient
Rational ClearCase LT Server	ClearCaseLTServer
Rational ClearQuest	ClearQuest-1.1
Rational ClearQuest TeamTest Edition	ClearQuestTeamTestEdition-1.1
Rational PureCoverage	coverageNT
Rational Suite DevelopmentStudio for UNIX	dsbuRSDSU
Rational Developer Kit	dsbuDeveloperKit
Rational Rose Inline EJB Addin	Inline
Rational Rose RealTime	RoseRealTime
Rational Purify	purifyNT
Rational Quantify	quantifyNT
Rational RequisitePro	rmbuRequisitePro
Rational Rose Enterprise Edition	Rose98i
Rational Rose Professional Ada Edition	Rose98iAdaProfessional
Rational Rose Professional C++ Edition	Rose98iC++Professional
Rational Rose Professional J Edition	Rose98iJavaProfessional
Rational Rose Modeler Edition	Rose98iModeler
Rational Rose Professional Visual Basic Edition	Rose98iVBProfessional

Product Name	Product Identifiers
Rational Rose Professional Data Modeler Edition	RoseDataModelerProfessional
Rational Unified Process	ruObjectory51
Rational SoDA for Word	SoDA
Rational Suite AnalystStudio	wsbuAnalystEdition
Rational Suite DevelopmentStudio	wsbuDevelopmentStudio
Rational Suite DevelopmentStudio - RealTime Edition	wsbuDevelopmentStudioRT
Rational Suite Enterprise	wsbuEnterprise
Globetrotter FLEXlm License Server	wsbuFLEXlmServer
Sybase SQL Anywhere Database Server	wsbuSQLAnywhereServer
Rational Suite TestStudio	wsbuTestStudio
Rational Suite Unifying Platform	wsbuUnifying Platform

License Key Administrator Command Line

You can run the Rational License Key Administrator from a command line or batch file to automate installing and configuring your license keys.

License Key Administrator Syntax

```
licadmin -ffilename.ext
```

Parameter	Description
-ffilename.ext	Specifies the path to the license parameter file. The license parameter file specifies the name of the license key server, for example: Server:group-license-server The keyword Server is case-sensitive.

The results of running this command are written to `filename.ext_STATUS`. The `filename.ext` is the name of your license parameter file. The status file is created in the directory where you executed the `licadmin` command. The following is an example using the License Key Administrator syntax.

- 1 Create a file that contains the following line:
`Server:group-license-server`
The `group-license-server` is the name of your FLEXlm License Server system.
- 2 Save the file as `server-info.txt`.
- 3 In a command window, run the following command:
`licadmin -fserver-info.txt`
This command configures your system use floating license keys from `group-license-server`.

