

Version 2003.06.13
Windows



Desktop Products Installation Guide

Version 2003.06.13
Windows



Desktop Products Installation Guide

Note

Before using this information and the product it supports, read the information in “Notices,” on page 65.

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Preface

Rational Suite delivers a comprehensive set of integrated tools that embody software engineering best practices and span the entire software development life cycle. Rational Suite's unparalleled level of integration improves communication both within teams and across team boundaries, reducing development time and improving software quality.

About this manual

This manual provides requirements and instructions for installing and licensing IBM Rational products on your desktop or client for the first time. Consult with your systems administrator about how Rational products will be deployed in your environment.

The procedures and requirements for installing and licensing Rational server software are covered in the *IBM Rational Server Installation Guide*. For information about upgrading an existing Rational Suite installation, see the *IBM Rational Suite Upgrade Guide*.

Table 1 informs you whether the product has a client component or a server component or both. If the product includes both, see the *IBM Rational Suite Server Installation Guide* and the *IBM Rational Suite Desktop Installation Guide*.

Table 1. Installation guide reference

Product	Client/Server	Installation Guide
IBM Rational Suite	Both	<i>IBM Rational Suite Server, IBM Rational Suite Desktop</i>
ClearCase LT (includes ClearCase Web)	Both	<i>IBM Rational Suite Server, IBM Rational Suite Desktop</i>
ClearQuest	Both	<i>IBM Rational Suite Server , IBM Rational Suite Desktop</i>
ClearQuest MultiSite	Server	<i>IBM Rational Suite Server</i>
IBM Rational ManualTest Web Execution	Both	<i>IBM Rational Suite Server, IBM Rational Suite Desktop</i>
Rational Process Workbench	Desktop	<i>IBM Rational Suite Desktop</i>
Rational ProjectConsole	Both	<i>IBM Rational Suite Server, IBM Rational Suite Desktop</i>
Purify, PurifyPlus, PureCoverage, and Quantify	Desktop	See the <i>IBM Rational PurifyPlus Family Release Notes</i> for the most current requirements and supported software.
QualityArchitect	Desktop	<i>IBM Rational Suite Desktop</i>
RequisitePro (includes RequisiteWeb)	Both	<i>IBM Rational Suite Server, IBM Rational Suite Desktop</i>
Robot	Desktop	<i>IBM Rational Suite Desktop</i>
Rose	Desktop	<i>IBM Rational Suite Desktop</i>

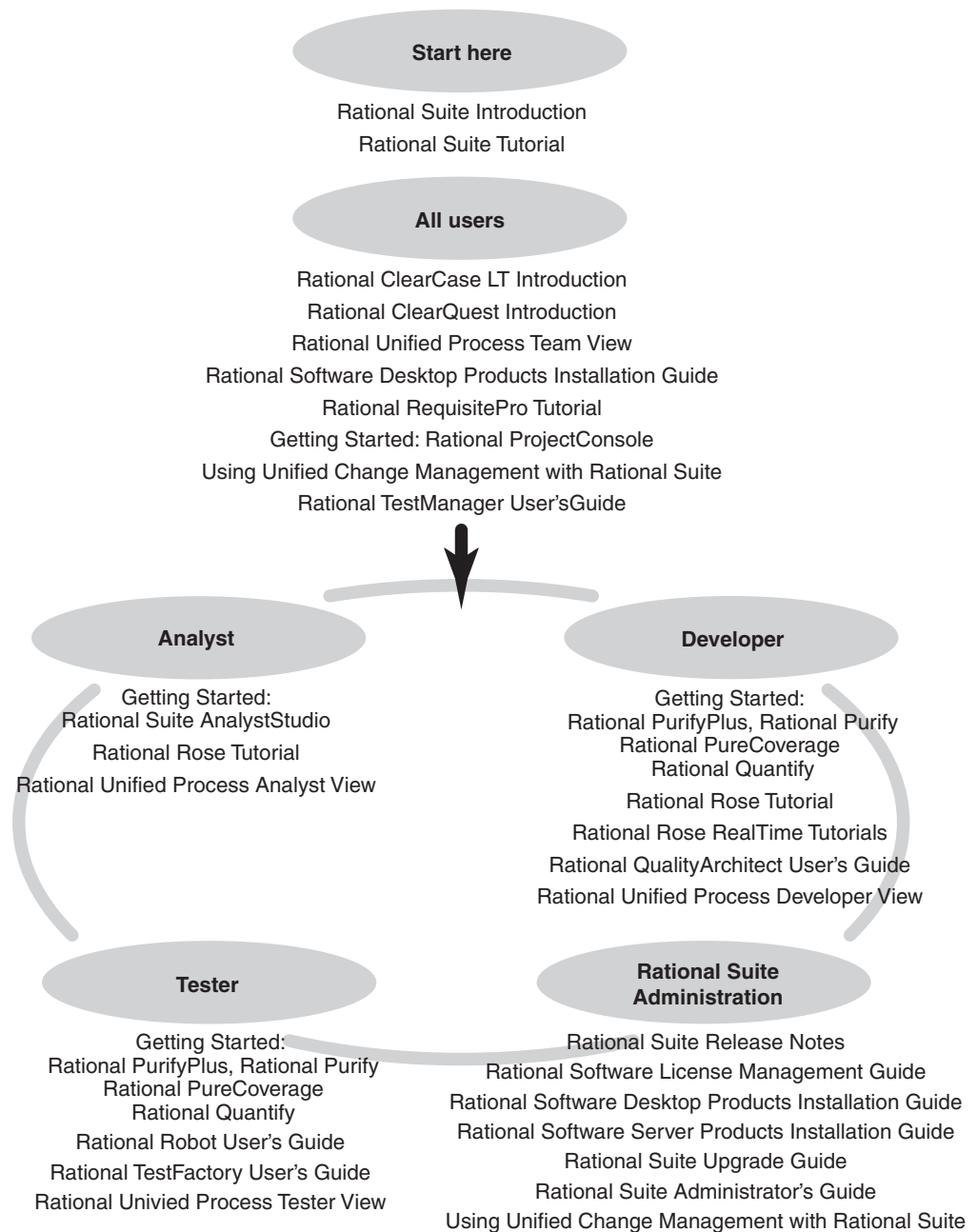
Table 1. Installation guide reference (continued)

Product	Client/Server	Installation Guide
Rose Data Modeler	Desktop	<p>Rose Data Modeler produces models for several database vendors. The vendor databases are listed in the <i>IBM Rational Suite Desktop Installation Guide</i>. There are no special configuration instructions in either installation guide for Rose Data Modeler.</p> <p>To install and configure the databases, see the vendor documentation.</p>
Rose RealTime	Desktop	<p>IBM Rational Rose RealTime has its own installation guide on the <i>Rational Solutions for Windows Online Documentation CD</i> or the IBM® Publications Center at: http://www.ibm.com/shop/publications/order.</p>
TeamTest	Both	<i>IBM Rational Suite Server</i> (to configure Test data store) <i>IBM Rational Suite Desktop</i>
Test Agents (UNIX/Windows)	Desktop	<i>IBM Rational Suite Desktop</i>
Test Enablers	Desktop	<i>IBM Rational Suite Desktop</i>
Test Manager	Both	<i>IBM Rational Suite Server</i> (to configure Test datastore), <i>IBM Rational Suite Desktop</i>
IBM Rational Unified Process	Desktop	See the <i>IBM Rational Suite Desktop Installation Guide</i> for the list of supported Web browsers. There are no other pre- or post- installation requirements.
XDE Modeler and XDE Developer	Desktop	See the <i>Release Notes</i> for XDE Modeler and XDE Developer in the IBM Rational XDE media kit.
XDE Tester	Desktop	<p>XDE Tester or the <i>Release Notes</i> for XDE Tester in your XDE Tester media kit.</p> <p>To upgrade from Robot J to XDE Tester, see the <i>IBM Rational Suite Upgrade Guide</i>.</p>

Audience

This manual is intended for project managers, and all members of the software development team who are installing IBM Rational products on their computers for the first time. All users must be familiar with Microsoft Windows and its conventions.

Documentation roadmap



Typographical conventions

This manual uses the following typographical conventions:

- *ccase-home-dir* represents the directory into which the ClearCase Product Family has been installed. By default, this directory is */opt/rational/clearcase* on UNIX and *C:\Program Files\Rational\ClearCase* on Windows.
- *cquest-home-dir* represents the directory into which Rational ClearQuest has been installed. By default, this directory is */opt/rational/clearquest* on UNIX and *C:\Program Files\Rational\ClearQuest* on Windows.
- **Bold** is used for names the user can enter; for example, command names and branch names.

- A *sans-serif font* is used for file names, directory names, and file extensions.
- A **sans-serif bold font** is used for GUI elements; for example, menu names and names of check boxes.
- *Italic* is used for variables, document titles, glossary terms, and emphasis.
- A monospaced font is used for examples. Where user input needs to be distinguished from program output, **bold** is used for user input.
- Nonprinting characters appear as follows: <EOF>, <NL>.
- Key names and key combinations are capitalized and appear as follows: SHIFT, CTRL+G.
- [] Brackets enclose optional items in format and syntax descriptions.
- { } Braces enclose a list from which you must choose an item in format and syntax descriptions.
- | A vertical bar separates items in a list of choices.
- ... In a syntax description, an ellipsis indicates you can repeat the preceding item or line one or more times. Otherwise, it can indicate omitted information.

Note: In certain contexts, you can use “...” within a pathname as a wildcard, similar to “*” or “?”. For more information, see the **wildcards_ccase** reference page.

- If a command or option name has a short form, a “slash” (/) character indicates the shortest legal abbreviation. For example:

lsc/heckout

Other Resources

- All manuals are available online, either in HTML or PDF format. The online manuals are on the *IBM Rational Solutions for Windows Online Documentation CD*.
- To send feedback about documentation for IBM Rational products, send e-mail to docs@us.ibm.com.
- For more information about IBM Rational Software technical publications, see: <http://www.ibm.com/shop/publications/order>.
- For more information on training opportunities, see: <http://www-306.ibm.com/services/learning>.
- For articles, discussion forums, and Web-based training courses on developing software with Rational Suite products, join the Rational Developer Network by selecting **Start > Programs > Rational Software > Logon to the Rational Developer Network**.

Contacting IBM Rational Customer Support

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

The IBM software support Internet site provides you with self-help resources and electronic problem submission. The IBM Rational Software Support Home page can be found at <http://www.ibm.com/software/rational/support/>.

Voice Support is available to all current contract holders by dialing a telephone number in your country (where available). For specific country phone numbers, go to <http://www.ibm.com/planetwide/>.

Note: When you contact IBM Rational Customer Support, please be prepared to supply the following information:

- Your name, company name, ICN number, telephone number, and e-mail address
- Your operating system, version number, and any service packs or patches you have applied
- Product name and release number
- Your PMR number (if you are following up on a previously reported problem)

Chapter 1. Before you install

This chapter explains the tasks you must perform before you install IBM Rational Suite or IBM Rational point products on a desktop or client. It also provides checklists to help you install and configure the product on your desktop. This manual does not explain the following:

- IBM Rational Rose® RealTime installation. See the *IBM Rational Rose RealTime Installation Guide* on the *Rational® Solutions for Windows® Online Documentation* CD or at the IBM Publications Center at: <http://www.ibm.com/shop/publications/order>.
- XDE Modeler and XDE(tm) Developer installation. See the *Release Notes* in your IBM Rational XDE media kit.
- XDE Tester installation. See the *Installation Guide* in your IBM Rational XDE Tester media kit.
- IBM Rational server installations. See the *IBM Rational Server Products Installation Guide*.
- Setting up a release area (enterprise deployment) for client and server installations. See the *IBM Rational Server Products Installation Guide*.

Note: This manual can help you install the product from a release area if your administrator has set it up for you. For a description of installing from a release area and other deployment methods, see “Selecting a deployment type” on page 13.

Upgrading from previous releases of IBM Rational products

Before installing IBM Rational products from version 2003.06.13, if there are previous versions of Rational products installed, including the IBM Rational license server, you or your system administrator must see the *IBM Rational Suite Upgrade Guide*. You can find the guide in the *IBM Rational Solutions for Windows Online Documentation* CD-ROM, or you can download it from the IBM Publications Center. The only exception is IBM Rational ClearCase. You can install products with earlier versions of ClearCase.

Note: If you are using floating licenses, record the license server names before you upgrade IBM Rational products on your computer. After you install new IBM Rational products on your computer, reset the host names in the License Key Administrator.

Installing mixed versions with IBM Rational ClearCase

You can install mixed versions with IBM Rational ClearCase in the following cases:

- IBM Rational ClearQuest stand-alone or as part of Rational Suite with ClearCase 4.2 - 6.0.
- IBM Rational Suite with ClearCase 4.2 - 6.0.
- IBM Rational XDE with ClearCase 4.2 (fully patched) or 6.0.

Preparing for IBM Rational desktop installations

Table 2 directs you to information in this manual that can help you install and configure IBM Rational desktop products.

Table 2. IBM Rational desktop product preinstallation tasks

To	See
Prepare for a IBM Rational Suite installation.	"Preparing to install IBM Rational Suite" on page 14.
Prepare for a ClearCase [®] LT installation.	"Preparing to install IBM Rational ClearCase LT" on page 15.
Prepare for a ClearQuest [®] installation.	"Preparing to install IBM Rational ClearQuest" on page 17.
Prepare for a ProjectConsole and Project Console Template Builder installation.	"Preparing to install IBM Rational ProjectConsole" on page 21.
Prepare for Purify [®] , PurifyPlus, PureCoverage [®] , and Quantify [®] installation.	See the <i>IBM Rational PurifyPlus(tm) Family Release Notes</i> for the most current requirements and supported software.
Prepare for a Rational Process Workbench [®] installation.	"Preparing to install the IBM Rational Process Workbench" on page 20.
Prepare for a RequisitePro [®] installation.	"Preparing to install IBM Rational RequisitePro" on page 23.
Prepare for a Rose installation.	"Preparing to install IBM Rational Rose" on page 24.
Prepare for a Rose Data Modeler installation.	<ul style="list-style-type: none">• Rose Data Modeler produces models for several database vendors. The vendor databases are listed in this guide ("Desktop system and software requirements" on page 6) There are no configuration instructions in either installation guide for Rose Data Modeler.• To install and configure the databases, see the vendor documentation.
Prepare for an IBM Rational test installation.	"Preparing to install IBM Rational testing products" on page 25.
Prepare for an IBM Rational Unified Process installation.	"Desktop system and software requirements" on page 6 for the list of supported Web browsers. There are no other pre- or post-installation requirements for IBM Rational Unified Process.
Prepare for an XDE Modeler and XDE Developer installation	"Preparing to install IBM Rational XDE Modeler and XDE Developer" on page 30.
Prepare for an XDE Tester installation.	<ul style="list-style-type: none">• "About IBM Rational XDE Tester" on page 30.• To upgrade from Robot J to XDE Tester, see the <i>IBM Rational Suite[®] Upgrade Guide</i>.
Install from the CD or from a release area.	<ul style="list-style-type: none">• 13.• Chapter 2, "Installing IBM Rational products," on page 31.
Run a silent installation.	"Silent installation overview" on page 39.
Install a service release.	"Applying service releases" on page 43.

Table 2. IBM Rational desktop product preinstallation tasks (continued)

To	See
Repair or modify IBM Rational products.	"Reinstalling a product (modify or repair)" on page 42.
Remove IBM Rational products.	<ul style="list-style-type: none"> 63. "Using the command line to remove a product" on page 40.

Licensing IBM Rational desktop products

In most cases, you will need a license key to launch the product. Consult with your license administrator about which license keys are required. Your license administrator may have already requested permanent or evaluation license keys.

Follow the instructions in Table 3 to license your IBM Rational product.

Table 3. Licensing desktop products

License Key	Request License Key from:	Install License by:
Permanent Node-Locked	AccountLink (www.ibm.com/software/rational/support/licensing/)	Importing the key on your desktop with the License Key Administrator (LKAD) wizard.
Permanent Floating	AccountLink (www.ibm.com/software/rational/support/licensing/)	<p>Configuring your client desktop to point to the license server using the License Key Administrator (LKAD) wizard. Your administrator must install and set up the license server first. (See the <i>IBM Rational Software License Management Guide</i> for instructions.)</p> <p>If your administrator has set up a release area, you may not have to manually specify the license server in the LKAD wizard.</p>
Evaluation Floating	Your sales representative.	<p>Configuring your desktop to point to the Rational license server using the License Key Administrator (LKAD) wizard. Your administrator must install and set up the license server first. (See the <i>IBM Rational Software License Management Guide</i> for installation instructions.)</p> <p>If your administrator has set up a release area, you may not have to manually specify the license server in the LKAD wizard.</p>

Table 3. Licensing desktop products (continued)

License Key	Request License Key from:	Install License by:
Evaluation Node-Locked	Your sales representative.	Importing the node-locked key on your desktop with the License Key Administrator (LKAD) wizard.

Using the License Key Administrator (LKAD) wizard

Import a node-locked key or specify a floating license server in the License Key Administrator (LKAD) wizard. The Setup wizard installs the LKAD automatically with each IBM Rational product. If the product is not already licensed, launch the LKAD wizard at the end of installation, or open the LKAD from the **Start** menu under the Rational Software folder. The License Key Administrator main window and the License Key Administrator wizard page appear simultaneously. Use the LKAD Help for further assistance.

Licensing ClearCase LT

The ClearCase LT server and ClearCase LT client require separate floating licenses when they are installed on separate systems. If you are evaluating ClearCase LT, you need only one floating license because the ClearCase LT server acts as both server and client.

ClearCase LT can use a node-locked IBM Rational Suite license key. After you have installed the node-locked license, use the License Usage Mapper to specify that ClearCase LT is to use the Rational Suite key. IBM Rational does not provide a stand-alone node-locked license for ClearCase LT. See the *IBM Rational Software License Management Guide* or the License Key Administrator Help for more information about the License Usage Mapper.

Licensing ClearQuest

Each ClearQuest native client requires access to a floating license or node-locked license.

Licensing Rose variants

IBM Rational Rose uses a license key for the variant of Rose that you install, or a Rational Suite key that includes that Rose variant.

Licensing Web clients

To use ClearCase Web, New ClearQuest Web, RequisiteWeb, and ProjectConsole(tm), your license administrator should install floating licenses on a Rational license server. The Web server (ClearQuest Web Application server or Rational Web platform) requests a license key from the Rational license server for each Web client. You do not have to install a license key on your desktop to use the Web client.

Licensing products on Windows Terminal Servers

To use IBM Rational products that support hosted development on Windows Terminal Servers, you must have floating licenses.

Using the License Management Guide

For more information about the licensing tasks or product-specific licensing, see the *IBM Rational Software License Management Guide* on the *Rational Solutions for Windows Online Documentation CD* or the IBM Publications Center at: <http://www.ibm.com/shop/publications/order>. The *License Management Guide* describes AccountLink, Rational licensing terms, and the Rational License Key Administrator (LKAD). It provides instructions for requesting, installing, upgrading, and configuring floating and node-locked keys.

Administrator privileges

To install IBM Rational products on a Windows operating system, ensure you are logged on with appropriate privileges. You must be logged on to a Windows domain account that is a member of the local computer's Administrators group. You must have the correct privileges regardless of the installation method (which includes silent installation) that you use.

Note: If you are not logged on with the appropriate privileges, the product fails to install. You do not see any data in the installation log file that incorrect privileges caused the failure.

Desktop system and software requirements

Table 4 provides the recommendations and requirements for operating Rational desktop products on your desktop. See the specific product section in this chapter for additional requirements.

Table 4. Desktop requirements and recommendations

Item	Requirements and recommendations
Operating systems	<ul style="list-style-type: none">• Microsoft Windows XP Professional, Service Pack 1, 1a (See note about Service Pack 2.)• Microsoft Windows 2000 Professional, Service Pack 2, 3, 4• Microsoft Windows 2000 Server, Service Pack 2, 3, 4• Microsoft Windows 2000 Advanced Server, Service Pack 2, 3, 4• Microsoft Windows NT 4.0 Workstation, Service Pack 6a + SRP (Security Rollup Package, Q299444)
	<p>Note:</p> <ul style="list-style-type: none">• The production release of Windows XP SP2 was not available for final testing at the time these requirements were finalized. To obtain the latest information about Windows XP SP2 support, go to IBM Rational Support at http://www.ibm.com/software/rational/support and search for "Rational products and Windows XP SP2". For more information about how Microsoft Windows XP SP2 affects IBM Rational products in this release, see "Compatibility with Third-Party Products" in the <i>IBM Rational Suites Release Notes</i>.• PurifyPlus, Purify, Quantify, and PureCoverage also support Windows 2003 Server, Windows 2003 Enterprise Server, Windows XP (no Service Pack), Windows 2000 Server (Service Pack 2, 3, 4), Windows 2000 Advanced Server (Service Pack 2, 3, 4), Windows 2000 Windows Terminal Server (Service pack 2, 3, 4; Purify Plus tests WTS applications. Do not run it remotely.), Windows NT 4.0 Server (Service Pack 6a + SRP), Windows NT 4.0 Terminal Server Edition (Service Pack 6a + Terminal Server Edition SRP, Q317636).• Robot and TestManager also support Windows 98, 98 Second Edition, and Windows ME. However, the TestManager installation does not include the Rational Administrator if TestManager is installed on Windows 98, 98 Second Edition, or Windows ME.• Do not use Windows XP Professional, Windows 2000 Professional, and Windows NT Workstation for the Web servers associated with RequisitePro, ClearCase LT Web and New ClearQuest Web. These operating systems can be used as a VOB server for ClearCase and a database server for ClearQuest (SQL Anywhere or Microsoft Access database) for a few users. A server operating system is recommended.• Windows XP Home Edition is not supported in this release.• XDE for Visual Studio.NET 2003 does not support Windows NT.
Hardware	<ul style="list-style-type: none">• 500-600 MHz or higher• 256-512+ MB RAM; more memory generally improves performance• Swap space: 2 x physical memory• 800 X 600 X 256-color video resolution or higher; high color or true color recommended• Microsoft mouse or compatible pointing device
	<p>Note: 512 MB RAM; 1 GB recommended for XDE Developer and Developer Plus versions.</p>

Table 4. Desktop requirements and recommendations (continued)

Item	Requirements and recommendations
Remote access support	See the "Server Requirements and Recommendations" table in the <i>IBM Rational Server Products Installation Guide</i> or the <i>IBM Rational Suite Release Notes</i> .
Rational Suite disk space	<ul style="list-style-type: none"> • Rational Suite Enterprise – 1.6 GB (full), 1.2 GB (typical) • Rational AnalystStudio – 1.2 GB (full), 851 MB (typical) • Rational DevelopmentStudio – 1.4 GB (full), 1.1 GB (typical) • Rational DevelopmentStudio for UNIX (Windows components only) – 515 MB (full), 445 MB (typical) • Rational DevelopmentStudio – RealTime Edition – 1.4 GB (full), 1.1 GB (typical) • Rational DevelopmentStudio – RealTime Edition for UNIX (Windows components only) – 515 MB (full), 445 MB (typical) • Rational TeamTest – 645 MB (full), 583 MB (typical) • Rational Team Unifying Platform – 1.1 GB (full), 825 MB (typical)
Point Product disk space	<p>ClearCase LT client file storage space:</p> <p>Rational ClearCase LT needs enough disk space on the desktop to contain all files loaded into snapshot views and all view-private files added to the views. The amount of space required depends on the number and sizes of the files in the views.</p> <ul style="list-style-type: none"> • ClearQuest Native Client: 371 MB (full), 321 MB (typical) • PurifyPlus for Windows: 70 MB (full), 68 MB (typical) • QualityArchitect: 250 MB • Rational Test Agent: 425 MB (We recommend more disk space for large virtual tester runs.) • Rational Unified Process: 70 MB (full/typical) • Rational Unified Process Modeler: 50 MB • Rational Unified Process Organizer: 150 MB • RequisitePro: 192 MB (full), 176 MB (typical) • Robot: 282 MB (full/typical) • Rose Enterprise Edition: 720 MB (typical), 173 MB (compact) • SoDA: 150 MB (Microsoft Word), 100 MB (FrameMaker) • XDE: 500 MB (minimum) for installation drive, 100 MB for workspace, 2-5 GB recommended for workspace
Integrations with 3 rd party applications	
ClearCase LT	<ul style="list-style-type: none"> • Microsoft Office 2000 Service Pack 1, 2; 2002 Service Pack 1, 2; 2003 • Microsoft Word 2000 Service Pack 1, 2; 2002 Service Pack 1, 2; 2003 • FrameMaker 5.5.6 (on UNIX)
ClearQuest	<ul style="list-style-type: none"> • Crystal Reports 8.5, 10.0 • Microsoft Project 98, 2000, 2002, 2003 • Visual Source Safe 6.0, Service Pack 3; .NET

Table 4. Desktop requirements and recommendations (continued)

Item	Requirements and recommendations
ProjectConsole	<ul style="list-style-type: none"> • Template Builder: Microsoft Word 2000 Service Pack 1, 2; 2002 Service Pack 1, 2; 2003 (required to create ProjectConsole Template Builder templates) • Collection Agent: If you install the collection agent and report server software on additional computers, they are required to be the same version as the ProjectConsole Web software as the Web server. • If you are collecting metrics, or generating reports from Microsoft Project (2000 Professional, Microsoft Project 2002 (.mpp only), Rational XDE v2003) install Microsoft Project on the machine with the collection agents and report server. If you are collecting metrics, or generating reports from any IBM Rational product, that product must be installed on the machine with the collection agents and report server.
RequisitePro	<ul style="list-style-type: none"> • Microsoft Office 2000 Service Pack 1, 2; 2002 Service Pack 1, 2 • Microsoft Project 2000 no Service Pack or Service Pack 1; 2002 • Microsoft Word 2000 Service Pack 1, 2; 2002 , Service Pack 1, 2; 2003 • Microsoft Excel 2000 Service Pack 1, 2; 2002, Service Pack 1, 2; 2003
SoDA	<ul style="list-style-type: none"> • Microsoft Word 2000 Service Pack 1, 2; 3 • Microsoft Word 2002 , Service Pack 1, 2 • Microsoft Word 2003, Service Pack 1
TestManager	<ul style="list-style-type: none"> • Crystal Reports 8.5, 10.0
<p>IDEs, integrations with 3rd party development applications, and add-ins. Earlier versions of Eclipse, WebSphere Studio Workbench, and WebSphere Application Developer that were supported in v.2003.06.00 release are still supported in this release.</p>	
ClearCase LT	<ul style="list-style-type: none"> • Forte for C++ 6.x, Update 1 • Forte for Java 2.0, 3.0 • IBM VisualAge for Java 3.5.3, 4.0 • IBM WebSphere Application Developer 5.0, 5.1.1, 5.1.2 • IBM WebSphere Application Developer Integration Edition 5.0 • IBM WebSphere Studio Enterprise Developer 5.0 • IBM WebSphere Studio Site Developer 5.0, 5.1.1, 5.1.2 • IBM WebSphere StudioWorkbench 2.1.2 • JBuilder 4.x – 8.x • Microsoft PowerBuilder 6.x – 9.x • Microsoft Visual Basic 6.0, Service Pack 4, 5 • Microsoft Visual C++ 5.0, 6.0, Service Pack 4, 5 • Microsoft Visual InterDev 6.0 • Microsoft Visual J++ 6.0, Service Pack 4, 5 • Microsoft Visual Studio .NET 7.0, Service Pack 1 (with .NET Framework Service Pack 2); Studio .NET 7.1 • Oracle JDeveloper 9.0 • SunOne for Java 4.0 • WebGain Studio 4.5.2 • WebGain Visual Cafe 4.1 Expert Edition, 4.5.2 or higher Expert and Enterprise Editions

Table 4. Desktop requirements and recommendations (continued)

Item	Requirements and recommendations
ClearQuest	<ul style="list-style-type: none"> • Microsoft Visual Studio .NET 7.0, Service Pack 1 (with .NET Framework Service Pack 2); Studio .NET 7.1 • IBM WebSphere Application Developer 5.0, 5.1.1 • IBM WebSphere Application Developer Integration Edition 5.0 • IBM WebSphere Studio Enterprise Developer 5.0 • IBM WebSphere Studio Site Developer 5.0, 5.1.1 • IBM WebSphere Studio Workbench 2.1.2 <p>Note: For more information about ClearQuest Eclipse Client platform support and integrations, see the ClearQuest Eclipse Client documentation.</p>
Purify, PurifyPlus, PureCoverage, and Quantify	PurifyPlus supports WebSphere Studio Workbench 2.1.2 and WebSphere Application Developer 5.1.2. For the latest support information, see the <i>PurifyPlus Family Release Notes</i> .
Robot and TestManager	<ul style="list-style-type: none"> • If you are developing or running test scripts written in the Visual Basic language, Visual Basic 6.0 is required. • If you are developing or running Java test scripts, a JDK (Java Development Kit) is required. • TestManager supports VMware GSX Server 2.5.0 and higher.
Rose	<p>Rose C++ Professional, Rose Data Modeler Professional, Rose Enterprise, Rose Web Modeler</p> <ul style="list-style-type: none"> • Microsoft Visual Basic 6.0 (Visual Studio 6.0, Service Pack 4, 5) • Microsoft Visual C++ 6.0 (Visual Studio 6.0, Service Pack 4, 5) • Microsoft Visual Studio .NET 7.0, Service Pack 1 (with .NET Framework Service Pack 2); Studio .NET 7.1. • The Microsoft .NET Framework (v.1.1 or higher) is required to install the Rose Data Modeler and Rose Web Modeler add-ins. If you do not have the required .NET versions installed and choose to continue the installation, these add-ins will not be installed and previously installed versions of these add-ins will be disabled. You can install these add-ins at any time after you install the .NET Framework by using the Change option of your Rose installation in the Add/Remove Programs in the Control Panel. • JDK 1.1.6 • Rose Add-Ins that use a Web browser (for example, Web Publisher) support most common browsers. <p>Rose J supports the following Java IDEs. Use the JDK appropriate to your IDE.</p> <ul style="list-style-type: none"> • VisualCafe in Studio 4.0, 4.1 Standard, Professional, Enterprise, and Expert Editions • IBM VisualAge for Java 3.5, 3.5.3, 4.0 Professional and Enterprise Editions • Forte for Java Community Edition 3.0 and 4.0 • Forte for Java Enterprise Edition 3.0 and 4.0 • Sun One Studio 3 and 4 Community and Enterprise Edition • JBuilder 4.0, 5.0, 6.0, 7.0, 8.0 Enterprise, Professional and Foundation Editions

Table 4. Desktop requirements and recommendations (continued)

Item	Requirements and recommendations
Rose Data Modeler	<p>Rose Data Modeler can produce data models for the following databases:</p> <ul style="list-style-type: none"> • IBM DB2 Universal Database + Client 5.x, 6.x, and 7.x • IBM DB2 OS390 + Client 5.x, 6.x • Microsoft SQL Server 6.x, 7.x • Oracle server + Client 7.x, 8.x, and 9.x • Sybase System 12 • SQL Server 2000 <p>To reverse engineer Oracle and DB2 databases using Rose Data Modeler, an RDMS client must be installed.</p> <p>The Microsoft .NET Framework (v.1.1 or higher) is required to install the Rose Data Modeler and Rose Web Modeler add-ins. If you do not have the required .NET versions installed and choose to continue the installation, these add-ins will not be installed and previously installed versions of these add-ins will be disabled. You can install these add-ins at any time after you install the .NET Framework by using the Change option of your Rose installation in the Add/Remove Programs in the Control Panel..</p>
Rose RealTime	For the latest support information, see the <i>IBM Rational Rose RealTime Release Notes</i> .
Rational Test Agent software	<p>In addition to the platforms listed as supported by all desktop products, you can install Test Agents on the following operating systems:</p> <p>Windows:</p> <ul style="list-style-type: none"> • Windows 2003 Server (Standard and Enterprise) • Microsoft Windows NT 4.0 Server, Service Pack 6a + SRP (Security Rollup Package, Q299444) • Microsoft Windows Millennium Edition • Windows 98 2nd edition <p>UNIX:</p> <ul style="list-style-type: none"> • AIX 4.3, 5.1, 5.2 • HP-UX 11 (PA-RISC 2.0 32-bit only; PA-RISC 1.1 and 64-bit not supported) • Red Hat LINUX 7.1, 7.2, and 7.3, and 8.0 (Personal and Professional LINUX) • RedHat Enterprise LINUX 3 Intel IA-32 • Solaris 2.6, 7–9 (SPARC architectures only) <ul style="list-style-type: none"> • If you are running test scripts written in the Visual Basic language, VB 6 is required. • If you are running Java test scripts, a JDK is required.
XDE	For the latest support information, see the <i>Release Notes</i> for XDE Developer, XDE Modeler, and XDE Developer Plus in your product CD.

Table 4. Desktop requirements and recommendations (continued)

Item	Requirements and recommendations
XDE Tester	<ul style="list-style-type: none"> • Sun JDK 1.2.2-1.4x • IBM JRE 1.2.2-1.4x
	Integrated with the following IDE and shell: <ul style="list-style-type: none"> • IBM WebSphere Application Developer 5.0, 5.1.1, 5.1.2 • IBM WebSphere Studio Workbench 2.0.2, 2.1.2, 2.1.3
Web browsers on Windows	<ul style="list-style-type: none"> • Microsoft Internet Explorer 5.5, Service Pack 1, 2; 6.0 no Service Pack, Service Pack 1, 2 • Netscape Navigator 4.72 – 4.78, 7.0
	Note: <ul style="list-style-type: none"> • ClearCase Web and ClearQuest Web support Internet Explorer and Netscape Navigator 7.0 on Windows 98 2nd Edition, Windows ME, and Windows XP Home <i>Web clients</i> • ClearCase Web supports Mozilla 1.5 on all ClearCase supported desktop operating systems. • ClearCase Web, ManualTest Web, and XDE Tester do not support Netscape Navigator 4.72 – 4.78. • New ClearQuest Web browsers are listed in the <i>Release Notes for New Rational ClearQuest Web</i>. • ProjectConsole does not support Netscape releases before 7.0. • RequisiteWeb also supports Netscape Navigator 4.70 and 4.71. • Some IBM Rational products (including some Rose Add-In's) may require certain Microsoft Internet Explorer components. Rose is tested with one of the recommended versions of Internet Explorer. Attempting to install and run Rose without Internet Explorer installed may cause unpredictable results. However, you are not required to use Internet Explorer as your browser. • XDE Web Publisher supports Microsoft Internet Explorer 5.5, Service Pack 1, 2; 6.0 no Service Pack, Service Pack 1; Netscape Navigator 7.0. • XDE Tester also supports Microsoft Internet Explorer 5.01 Service Pack 1, 2 and Netscape Navigator 6.2.1-6.2.3.

Table 4. Desktop requirements and recommendations (continued)

Item	Requirements and recommendations
Web clients on non-Windows platforms	<p>ClearCase Web</p> <ul style="list-style-type: none"> • Mozilla 1.4 on all AIX (except AIX 4.33) and LINUX platforms (Red Hat, Red Hat Enterprise, SUSE LINUX Enterprise), and 1.5 on Mac OS X 10.2, 10.3 • Netscape Navigator 7.0 on SUSE LINUX Enterprise 7, 8-9 on S/390, zSeries, AMD64 (9 only), EM64T (9 only), AIX 4.3.3, 5.1-5.3, HP-UX 11.x-11.23, Red Hat 2.1, 3.0, Red Hat Personal and Professional 7.x-8.0, 9.0, Red Hat Enterprise LINUX 3 on AMD64, EM64T, IA32, S/390, zSeries, Solaris 2.6, 7- 9, SUSE LINUX Enterprise 8 and 9 on S/390 zSeries, SUSE LINUX Enterprise 9 on AMD64 and EM64T, SGI IRIX 6.5.12-6.5.24 <p>Note: ClearCase Web requires J2SE 1.4.1</p>
	<p>ManualTest Web</p> <ul style="list-style-type: none"> • Netscape Navigator 4.78 on Solaris 2.9 (You can see the manual test scripts, but you cannot run and save the results to the project.) • Netscape Navigator 4.78 on Red Hat LINUX 7.3 • Netscape Navigator 7.0 on Solaris 2.9
	<p>ProjectConsole</p> <ul style="list-style-type: none"> • Netscape Navigator 7.0 on Red Hat LINUX 8.0, 9.0, Solaris 8.0, 9.0 • Mozilla 1.6 on Red Hat 8.0, 9.0. <p>Note: Netscape 7.0 and above and Mozilla 1.6 require the 1.4.2_05 version of the Sun JRE. Netscape 7.1 and Mozilla 1.6 require the NS610-GCC32 version of the libjavapugin_oji.so. Netscape 7.0 requires the NS610 version of the plug-in</p>
	<p>RequisiteWeb and Rational Unified Process Netscape Navigator 4.72-4.78, 7.0 on Solaris 2.6, 7- 9, HP-UX 11.0 (QPK 1100), 11i v2, 11.11 GoldQPK11i, Bundle 11i, 11.23.</p>
	<p>Rose Web Publisher</p> <ul style="list-style-type: none"> • Netscape Navigator 4.7x on Solaris 2.6, 7- 9, and HP-UX 11.x • Netscape Navigator 4.74 on Red Hat LINUX Personal and Professional 7.1-7.3
	<p>XDE Web Publisher</p> <ul style="list-style-type: none"> • Netscape Navigator 4.72 - 4.78 on AIX 4.3.3, 5.1, 5.2, 5.3, HP-UX 11.x-11.23, Solaris 2.6, 7- 9 • Netscape Navigator 7.0 on Red Hat LINUX Personal and Professional 7.1-7.3, 8.0, SUSE LINUX Enterprise 8.0
Microsoft JVM	<p>The Rational Setup Wizard does not install the Microsoft JVMs with the products in this release, nor does it remove the Microsoft JVM from previous Rational installations. Look in the product-specific release notes for more information.</p>
Automated license key requests	<p>Internet Connection to request and receive license key files. For more information, see the <i>IBM Rational Software License Management Guide</i>.</p>
Dual boot systems	<p>Rational Suite and Rational Rose do not support dual boot systems where both operating systems are on the same partition.</p>
IBM Rational documentation	<p>Adobe Acrobat Reader 4.x or higher to read online PDF files. Download a free version of Adobe Acrobat Reader from http://www.adobe.com .</p>

Table 4. Desktop requirements and recommendations (continued)

Item	Requirements and recommendations
Language support	<p>You can install IBM Rational products on these international operating systems:</p> <ul style="list-style-type: none"> • Simplified Chinese • Traditional Chinese • Dutch • French • German • Hebrew • Italian • Japanese • Korean • Swedish <p>All displays, menus, controls, wizards, reports, and user documentation are in U.S. English with the following exceptions: most of Rational Suite v2003.06.10, v2003.06.12, and v2003.06.13 are translated into Japanese.</p> <ul style="list-style-type: none"> • If you have a Traditional Chinese, Dutch, Hebrew, or Korean operating system, enter data (such as path names) in U.S. English or the ASCII character set. • If you have a Simplified Chinese, French, German, Italian, Japanese, or Swedish operating system, enter data in U.S. English or the native language character set. Regional date, time, currency, and numbering conventions are also supported for both input and output. • If you have a Simplified Chinese, French, German, Italian, Japanese, or Swedish operating system, enter data in U.S. English or the native language character set. Regional date, time, currency, and numbering conventions are also supported for both input and output. • ClearCase and ClearQuest support the Spanish and Brazilian character set. • ClearCase supports the Korean character set.

Selecting a deployment type

The IBM Rational Setup wizard provides several deployment types, allowing you to install the configuration most appropriate for your desktop. If your systems administrator is planning the IBM Rational product installation for your work environment, consult with your administrator before you select a deployment type. Your administrator may have created several release areas from which you can install IBM Rational products by clicking a shortcut or performing a silent installation.

Table 5 describes each deployment type. You can find instructions for each deployment type in 31.

Table 5. Setup wizard deployment types

Type	Description
Desktop installation from CD image	This deployment type allows you to install the desktop product or client software directly from the <i>IBM Rational Solutions for Windows CD</i> onto your desktop. Place the CD into the CD drive of the computer and launch the Setup wizard.
Desktop installation from Web download	This deployment type allows you to install the desktop product or client software directly from a Web download onto your desktop. Place the download onto the local drive of the computer and launch the Setup wizard.
Enterprise deployment	<p>This option enables your administrator to create a network release area and customize the product installation. Using the site defaults file created in the Setup wizard, you can either install pre-set configurations of the product or install the product with different defaults.</p> <p>The advantage of Enterprise Deployment is that multiple clients can install from a designated release area. When a service release becomes available it can be applied to the release area. Clients can then reinstall from the updated release area.</p>
Silent installation	This deployment type does not appear in the Setup wizard. To perform a silent installation, your administrator creates a site defaults file and directs you to use specific commands to perform a silent installation based on settings in this file. Silent installations ensure that all users have the same products, features, and options on their desktops. For more information, see "Using silent installation commands" on page 39.

Preparing to install IBM Rational Suite

Use Table 6 to help you install an IBM Rational Suite edition on your desktop. If you are installing ClearCase LT and Rational Suite for evaluation purposes, see the "Before you install" chapter in the *IBM Rational Server Products Installation Guide*.

To install the IBM Rational servers, see the *IBM Rational Server Products Installation Guide*.

For the latest IBM Rational Suite installation information, see the *IBM Rational Suite Release Notes*. To access the release notes, use the *Rational Solutions for Windows Online Documentation CD* or the IBM Publications Center at: <http://www.ibm.com/shop/publications/order>. You can also view them after the Rational Suite installation, or launch them after you install the software by clicking **Start > Programs > Rational Software > Rational Suite > Rational Suite readme**.

Note: IBM Rational XDE Modeler, XDE Developer, and XDE Tester are add-on products.

Table 6. IBM Rational Suite desktop installation checklist

Done	Task
Before installation	
	Get a license key to run the Rational Suite on your desktop. See "Licensing IBM Rational desktop products" on page 3.

Table 6. IBM Rational Suite desktop installation checklist (continued)

Done	Task
	Look at the list of products in your IBM Rational Suite edition and perform the preinstallation tasks for each of the products:
	"Preparing to install IBM Rational ClearCase LT" on page 15.
	"Preparing to install IBM Rational ClearQuest" on page 17.
	"Preparing to install the IBM Rational Process Workbench" on page 20.
	"Preparing to install IBM Rational ProjectConsole" on page 21.
	"Preparing to install IBM Rational RequisitePro" on page 23.
	"Preparing to install IBM Rational Rose" on page 24.
	"Preparing to install IBM Rational testing products" on page 25.
	If you are only installing the IBM Rational Unified Process, ensure that you have a supported browser installed on your desktop. There are no other requirements.
	Ask your administrator for the correct deployment type. See "Selecting a deployment type" on page 13.
Installing IBM Rational Suite	
	To install IBM Rational Suite from one of the deployment options described in this chapter, see Chapter 2, "Installing IBM Rational products," on page 31.
After installation	
	Ensure your system administrator has set up and started the IBM Rational servers before you start postinstallation tasks. Skip features that either may not be included in your IBM Rational Suite or that have not been configured by your administrator.
	See Table 7 "ClearCase LT native client installation checklist."
	See Table 8 "ClearCase Web client installation checklist."
	See Table 9 "ClearQuest native client installation checklist."
	See Table 10 "ClearQuest Web client installation checklist."
	See Table 11 "ProjectConsole Web client installation checklist."
	See Table 12 "RequisitePro native client installation checklist."
	See Table 13 "RequisitePro Web client installation checklist."
	See Table 14 "Rose desktop installation checklist."
	See Table 15 "IBM Rational testing desktop installation checklist."

Preparing to install IBM Rational ClearCase LT

This section describes requirements for installing Rational ClearCase LT client or configuring ClearCase LT Web client on your desktop. To install the ClearCase LT server, see the *IBM Rational Server Products Installation Guide*.

For the most current information related to ClearCase LT features and known issues, see the *IBM Rational ClearCase LT Release Notes* in the *Rational Solutions for Windows Online Documentation CD* or the IBM Publications Center at <http://www.ibm.com/shop/publications/order>. View them after the ClearCase LT installation, or launch them after you install the software from the **Start** menu by clicking **Start > Programs > Rational Software > Rational ClearCase LT > Rational ClearCase LT readme**.

Installing variants on the same desktop

If you plan to upgrade to Rational ClearCase in the future, you can upgrade ClearCase LT to ClearCase within the same version 2004.13.00. See the *IBM Rational ClearCase Installation Guide* in the Rational ClearCase CD for installation requirements.

Use the checklist in Table 7 to help you install ClearCase LT client on your desktop. Use the checklist in Table 8 to help you configure ClearCase Web client.

Table 7. ClearCase LT native client installation checklist

Done	Task
Before installation	
	Get a license key to run ClearCase LT on your desktop. See “Licensing IBM Rational desktop products” on page 3.
	Check the system and software requirements for running ClearCase LT on your desktop. See “Desktop system and software requirements” on page 6 for more information.
	Check with your administrator to ensure that the ClearCase LT server has been installed and configured before you use ClearCase LT. If you are installing ClearCase LT as part of a Rational Suite, see “Installing ClearCase LT client as part of a Rational Suite” on page 16.
	Ensure that you have administrator privileges on your desktop. See “Administrator privileges” on page 5.
	Ask your administrator for the correct deployment type. See “Selecting a deployment type” on page 13.
	Set the CLEARCASE_PRIMARY_GROUP environment variable. See “Setting the CLEARCASE_PRIMARY_GROUP environment variable” on page 17.
Installing ClearCase LT	
	To install ClearCase LT from one of the deployment options described in this chapter, see Chapter 2, “Installing IBM Rational products,” on page 31. Your administrator should give you the name of the ClearCase LT server if you are installing ClearCase LT from the CD. If you are installing from a release area, the server name may already be included in the site defaults file.
After installation	
	Create a view. See “Creating views” on page 45.

Table 8. ClearCase Web client installation checklist

Done	Task
	Make sure you have installed one of the supported Web browsers. See “Desktop system and software requirements” on page 6 and “Installing Internet Explorer” on page 17. You do not need a license key or ClearCase LT software on your client to use ClearCase Web.
	Ask your administrator if the ClearCase LT server has been installed and configured. If it has, see “Logging in to ClearCase Web” on page 45.

Installing ClearCase LT client as part of a Rational Suite

If you are installing an IBM Rational Suite that includes ClearCase LT, your administrator must install and configure the ClearCase LT server before you can use the ClearCase LT client. When you install an IBM Rational Suite edition on

your client desktop, the ClearCase LT client software is installed, by default, as part of the Rational Suite. The ClearCase LT server software is not installed with the Rational Suite.

Note: Do not install the Rational Suite before you try to install the ClearCase LT server on the same computer. (Installing all ClearCase software on the same computer is not recommended unless you are evaluating ClearCase LT.)

Installing Internet Explorer

Several programs installed with ClearCase LT depend on components of Microsoft® Internet Explorer, and will not work unless Internet Explorer is installed on the system. You can find the required versions in “Desktop system and software requirements” on page 6. You can download Internet Explorer from the Microsoft Web site at www.microsoft.com/windows/IE. For more information, see the *IBM Rational ClearCase LT Release Notes*.

Setting the CLEARCASE_PRIMARY_GROUP environment variable

ClearCase LT access controls consider domain group membership information when determining a user’s rights to access ClearCase data. In Windows, a user who logs on to a domain account may not be assigned the primary group specified by the Windows domain account management tools.

To ensure proper assignment, set the user environment variable CLEARCASE_PRIMARY_GROUP to refer to the correct primary group. The value of this variable must be the name of an existing domain group that includes the user as a member. All ClearCase users must be members of this group. This user environment variable (not system environment variable) must be set on every ClearCase computer. On Windows systems, set the value of CLEARCASE_PRIMARY_GROUP using the **System** program in **Control Panel**.

For more information on CLEARCASE_PRIMARY_GROUP and ClearCase access controls, see the *IBM Rational ClearCase Administrator’s Guide*.

Preparing to install IBM Rational ClearQuest

This section describes requirements for installing ClearQuest client on your desktop. To install the ClearQuest and ClearQuest MultiSite servers and administration tools, see the *IBM Rational Server Products Installation Guide*.

For the most current information related to ClearQuest features and known issues, see the *IBM Rational ClearQuest Release Notes* in the *Rational Solutions for Windows Online Documentation CD* or the IBM Publications Center at <http://www.ibm.com/shop/publications/order>. View them after the ClearQuest installation, or launch them after you install the software by clicking **Start > Programs > Rational Software > Rational ClearQuest > Rational ClearQuest readme**.

Use the checklist in Table 9 to help you install ClearQuest client software. Use the checklist in Table 10 to help you set up New ClearQuest Web client on your desktop.

Table 9. ClearQuest native client installation checklist

Done	Task
Before installation	
	Get a license key to run the ClearQuest client on your desktop. See “Licensing IBM Rational desktop products” on page 3.
	Ensure that you have administrator privileges on your desktop. See “Administrator privileges” on page 5.
	Ask your administrator for the correct deployment type. See “Selecting a deployment type” on page 13.
	If the ClearQuest native client is accessing a ClearQuest database running DB2®, install a DB2 client on the desktop computer. See “Installing the DB2 client” on page 20.
	Check the system and software requirements for running ClearQuest on your desktop. See the following sections for more information: <ul style="list-style-type: none"> • “Desktop system and software requirements” on page 6. • “Compatibility issues” on page 19. • “Setting up the VS.NET integration” on page 19.
Installing ClearQuest	
	To install ClearQuest from one of the deployment options described in this chapter, see Chapter 2, “Installing IBM Rational products,” on page 31.
After Installation	
	Check with your administrator to ensure that the ClearQuest database server has been installed and configured before you set up the ClearQuest native client.
	If you are using DB2 as the ClearQuest database, create a database alias. See “Creating a DB2 database alias” on page 46.
	Connect to the ClearQuest databases. See “Connecting to ClearQuest databases” on page 47.
	Log in to ClearQuest. See “Logging in to ClearQuest” on page 49.
	Enable e-mail notification if you did not enable it when you installed the ClearQuest client from a CD, or if your administrator did not include the information in a site defaults file. See “Configuring your ClearQuest client to receive e-mail notification” on page 50 and “Configuring your ClearQuest client to send e-mail notification” on page 50.

Table 10. ClearQuest Web client installation checklist

Done	Task
	Ask your administrator if the New ClearQuest Web server has been installed and configured before you read through the rest of this checklist. For more information on New ClearQuest Web, see the <i>IBM New Rational ClearQuest Web Installation Guide</i> .
	Install the one of the supported Web browsers. See “Desktop system and software requirements” on page 6 and “Installing Web browsers” on page 20. You do not need to install ClearQuest software or a license key on your desktop to use New ClearQuest Web.
	Configure the browser. For more information, see the <i>IBM New Rational ClearQuest Web Installation Guide</i> .
	Log in to New ClearQuest Web. For more information, see the <i>IBM New Rational ClearQuest Web Installation Guide</i> .

Table 10. ClearQuest Web client installation checklist (continued)

Done	Task
	Configure your New ClearQuest Web client to receive e-mail notification. For more information on New ClearQuest Web, see the <i>IBM New Rational ClearQuest WebInstallation Guide</i> .

Compatibility issues

With IBM Rational products

This release is compatible with Rational ClearQuest 2003.06.00 or higher, and with all other Rational Suite Version 2003 products. It is not compatible with previous releases of ClearQuest or Rational Suite.

Setting up the VS.NET integration

If ClearCase LT is already installed, the ClearQuest with VS.Net integration is automatically configured at installation. After installing ClearQuest, when you start VS.Net, the Workspace Tree control and the Activity Grid Control will support the ClearQuest integration.

Installing Rational software in a Windows Terminal Server environment

You can install and run IBM Rational software on a Windows Terminal Server console system according to the supported platforms.

Note: First, you need to install both MDAC 2.7 and Jet 4.0 Service Pack 6. If you do not install both of these components, you will encounter the following error: "To install this product, you must first install version 2.7 of the Microsoft Data Access Components (MDAC) and Open Database Connectivity (ODBC) drivers following the sequence described in Microsoft Knowledge Base Article 216149.

After you install both MDAC 2.7 and Jet 4.0 Service Pack 6 and continue with installation in the Windows Terminal Server environment, you may encounter the following error: "You are attempting to install on an unsupported operating system. We recommend that you install on a supported operating system. See your IBM Rational products release notes for a complete list of supported operating systems and service packs." You can safely disregard this warning and continue with your installation. To use IBM Rational products on a Terminal Server client, you must configure your console system to use floating licenses.

Coexistence between Crystal Reports Versions

Reports created with Crystal Reports version 8.5 can be run, viewed, and printed by ClearQuest Windows clients, version 2003.06.00 and later. However, reports created with Crystal Reports version 10 can not be run or viewed by ClearQuest Windows clients that were created with ClearQuest version 2003.06.00 (that is, clients with the Crystal Reports 8.5 software).

Therefore, if new reports will be authored with Crystal Reports version 10.0, you will need to upgrade old ClearQuest Windows clients to ClearQuest version 2003.06.13 Windows clients. To acquire a copy of Crystal Reports Developer's Edition, version 10, contact Business Objects at www.businessobjects.com.

Installing the DB2 client

ClearQuest client users must install the correct DB2 Client software on their computers to access a DB2 database for ClearQuest. To install DB2 client software, follow the IBM DB2 database documentation.

Installing Web browsers

To use the New ClearQuest Web capability, ensure that your client machine has the appropriate browser versions. See “Desktop system and software requirements” on page 6.

Configuring Web browsers for New ClearQuest Web

To get full ClearQuest Web functionality for your New ClearQuest Web client, see the *IBM New Rational ClearQuest Web Installation Guide*. Verify that your Web browser for New ClearQuest Web is configured correctly.

Preparing to install the IBM Rational Process Workbench

The IBM Rational Process Workbench (RPW), an add-on product to the IBM Rational Unified Process (RUP[®]), is used to create RUP Plug-ins. These are used to package process assets such as guidance, templates, and examples so that they can be reused in another project. RPW has several components:

- IBM RUP Organizer is a process content management tool that enables you to create thin plug-ins of reusable process assets quickly and easily, associating them with the architecturally robust process definition of RUP. It can also be used with more sophisticated modeled plug-ins. RUP Organizer is installed by default when you install RPW.
- IBM RUP Modeler is a SPEM-compliant process modeling tool used to do more sophisticated process definitions with the RUP. It is used to model plug-ins that add new roles, activities or artifacts to the RUP. It is an add-in to IBM Rational XDE Professional Java(tm) Platform Edition, and XDE must be installed and configured before RUP Modeler will work. RUP Modeler is not installed by default, and must be selected in a custom install.
- Several process models and content libraries for RUP support the process engineering process and various plug-ins. These are used as references for plug-ins and as sources for plug-in content that organizations wish to modify for their specific needs.

You can download the IBM Rational Process Workbench from the RUP Plug-in Exchange on the IBM Rational Developer Network (<http://www-136.ibm.com/developerworks/rational/products/rup/>). Full installation instructions are available there.

For the most current information related to IBM Rational Process WorkBench features and known issues, refer to the *IBM Rational Process WorkBench Release Notes* on the *Rational Solutions for Windows Online Documentation CD* or the IBM Publications Center at: <http://www.ibm.com/shop/publications/order>. The release notes also appear at the end of the product installation.

Preparing to install IBM Rational ProjectConsole

This section describes how to set up a ProjectConsole client on your desktop and how to install the ProjectConsole Template Builder. This section is intended for team members who want to access the ProjectConsole Web site from a Web browser to view up-to-date project information. See the *IBM Rational Server Products Installation Guide* to install and configure the following ProjectConsole components:

- Web server components
- Report server and collection agent
- Repository

For the most current information related to ProjectConsole features and known issues, see the *IBM Rational Suite Release Notes* in the *Rational Solutions for Windows Online Documentation CD* or the IBM Publications Center at:

<http://www.ibm.com/shop/publications/order>. View them at the end of the ProjectConsole installation, or launch them after you install the software by clicking **Start > Programs > Rational Software > Rational Suite > Rational Suite readme**.

Setting up a ProjectConsole Web client and the Template Builder

Use the checklist in Table 11 to help you set up the ProjectConsole Web client and the Project Console Template Builder on your desktop. The procedures are in the sections following the checklist. There are no postinstallation tasks for the ProjectConsole Web client.

Table 11. ProjectConsole Web client installation checklist

Done	Task
	Check the system and software requirements for the ProjectConsole Template Builder and the supported Web browser that you need to run the ProjectConsole Web client. See “Desktop system and software requirements” on page 6. The ProjectConsole Template Builder software is included in your IBM Rational Suite installation.
	Check with your administrator that the ProjectConsole Web site is operating before you continue with this checklist.
	Set the minimum screen area for your browser.
	In your Web browser, enable cookies.
	Log in to the ProjectConsole Web site.
	Install the Java plug-in (first-time installations only).
	Determine if you want to install the Template Builder software on your desktop. See “Installing ProjectConsole Template Builder” on page 22.

Setting the screen area for your monitor

To use the ProjectConsole Web site, set the screen area for your monitor to at least 1024 x 768 pixels. Otherwise, you may have problems accessing key ProjectConsole components.

Enabling cookies

To use the ProjectConsole Web site, enable cookies in your Web browser. For information about how to enable cookies, see the online Help in your Web browser.

Logging in to the ProjectConsole Web site

To log in to the ProjectConsole Web site for the first time:

1. Ask your administrator for the ProjectConsole Web server name.
2. Start your Web browser, and then type the following:
`http://< server name>/ProjectConsole`
where server name is the name of the ProjectConsole server.
3. Press Return.
The ProjectConsole Logon page opens.
4. In the **Username** box, type **admin**.
5. Leave the **Password** box empty.
6. Click **Logon**.

Installing the Java plug-in

The first time you log in to the ProjectConsole Web site, you are prompted to install the required Java plug-in, if it is not already installed on your computer.

To install the Java plug-in:

- Follow the instructions provided for installing the plug-in.

After you install the Java plug-in, do the following:

- If the client computer is running Windows NT®, restart the system.
- If the client computer is running Windows 2000 or XP, close the Designer (or Dashboard) Window, and then, on the ProjectConsole toolbar, click **Designer** (or Dashboard) again.

Note: When you start the ProjectConsole Dashboard tool on the Web site for the first time, you are prompted to download some Java classes. Follow the instructions for downloading the classes.

Installing ProjectConsole Template Builder

You can install Template Builder on any computer on which you want to create or modify ProjectConsole report templates. To test the templates created in Template Builder, install the source point product on the Template Builder computer.

To generate reports using Template Builder templates, it is not necessary to install Template Builder on the ProjectConsole Web server or on a report server and collection agent computer.

If you use Template Builder to create templates on your desktop client, save the templates to the Templates folder in the ProjectConsole installation directory on the server computer.

Note: If you have ProjectConsole report server and collection agent software installed on your desktop, you do not have to save the templates on the ProjectConsole server. To install the report server and collection agent on your desktop, see the *IBM Rational Server Products Installation Guide*.

Preparing to install IBM Rational RequisitePro

This section describes how you can install RequisitePro client or access the RequisitePro database through RequisiteWeb. Consult your system's administrator about the best option for you. If you install the RequisitePro client, you can use RequisiteWeb also. To install the RequisitePro database server, see the *IBM Rational Server Products Installation Guide*.

For the most current information related to RequisitePro features and known issues, refer to the *IBM Rational RequisitePro Release Notes®* in the *Rational Solutions for Windows Online Documentation CD* or the IBM Publications Center at: <http://www.ibm.com/shop/publications/order>. The release notes also appear at the end of the installation and are available from a link in the **Let's Go Rational RequisitePro** application, which opens when you first launch RequisitePro. In addition, you can view the release notes from the **Start** menu by clicking **Start > Programs > Rational Software > Rational RequisitePro > Rational RequisitePro readme**.

Setting up the RequisitePro client

Use the checklist in Table 12 to configure RequisitePro client on your desktop.

Table 12. RequisitePro native client installation checklist

Done	Task
Before installation	
	Get a license key to run RequisitePro on your desktop. See "Licensing IBM Rational desktop products" on page 3 for more information.
	Make sure that the RequisitePro native client is accessing a RequisitePro database running Oracle or DB2 client software on the native client. See "Installing the Oracle client" on page 23 and "Installing the DB2 client" on page 24. Note: You can create the database alias after you install RequisitePro.
	Make sure that you have administrator privileges on your desktop. See "Administrator privileges" on page 5.
	Ask your administrator for the correct deployment type. See "Selecting a deployment type" on page 13.
	Check the system and software requirements for running RequisitePro on your desktop. See "Desktop system and software requirements" on page 6.
Installing RequisitePro	
	To install RequisitePro using one of the deployment options described in this chapter, see Chapter 2, "Installing IBM Rational products," on page 31.
After installation	
	See "IBM Rational RequisitePro: after you install" on page 51 to learn how to connect to the RequisitePro database.

Installing the Oracle client

To access an Oracle RequisitePro database, install the correct client software on your desktop. To install Oracle client software, follow the Oracle database documentation.

Installing the DB2 client

Use the DB2 Connect Personal Edition to create a DB2 alias on your desktop client to access the DB2 database server. If you plan to share projects with other users, be sure to use a consistent database alias, as determined by your database administrator or project administrator.

Note: Make sure that the **Register this database for ODBC** check box is cleared.

Setting up the RequisiteWeb client

Use the checklist in Table 13 to configure the RequisiteWeb client on your desktop.

To use RequisiteWeb, you do *not* need:

- RequisitePro software on your desktop.
- Oracle client software on your desktop if you are using an Oracle database.
- DB2 client software on your desktop if you are using a DB2 database.
- A license key on your desktop or to specify an IBM Rational license server.

Table 13. RequisitePro Web client installation checklist

Done	Task
	Check with your administrator that the RequisiteWeb server is operating before you continue with this checklist.
	To use RequisiteWeb, install one of the supported Web browsers on your desktop. See “Desktop system and software requirements” on page 6 for the supported Web browsers.
	For proper RequisiteWeb operation, set your browser to allow cookies.
	Log on to the RequisiteWeb. See “Logging on to RequisiteWeb” on page 55.

Preparing to install IBM Rational Rose

This section describes how you can install IBM Rational Rose on your desktop.

For the most current information related to Rose features and known issues, refer to the *IBM Rational Rose Release Notes* on the *Rational Solutions for Windows Online Documentation CD* or the IBM Publications Center at:

<http://www.ibm.com/shop/publications/order>. The release notes also appear at the end of the Rose installation and are available by clicking **Start > Programs > Rational Software > Rational Rose > Rational Rose readme**.

Installing a variant on the same desktop

If multiple variants of Rose are installed on a single Windows desktop, you can only run the last variant installed. For example, if you install Rose Modeler Edition, and then install Rose Professional J Edition, you can only run the Rose Professional J variant.

Setting up Rose on your desktop

Use Table 14 to help you install Rational Rose on your desktop. There are no postinstallation procedures.

Table 14. Rose desktop installation checklist

Done	Task
Before installation	
	Get a license key to run Rose on your desktop. See “Licensing IBM Rational desktop products” on page 3 for more information.
	Make sure you have administrator privileges on your desktop. See “Administrator privileges” on page 5 for more information.
	Ask your administrator for the correct deployment type. See “Selecting a deployment type” on page 13.
	Check the system and software requirements for running Rose on your desktop. See “Desktop system and software requirements” on page 6.
	When installing Rose as part of IBM Rational Suite on Microsoft Windows NT 4.0 SP6a or Windows 2000, Rose might not run until you add the Rational\Common directory to your user path. See “Adding the IBM Rational directory to your user path” on page 25 if you encounter this problem.
Installing Rose	
	To install Rose from one of the deployment options described in this chapter, see Chapter 2, “Installing IBM Rational products,” on page 31.

Adding the IBM Rational directory to your user path

When installing Rose on Microsoft Windows NT 4.0 SP6a or Windows 2000, Rose might not run until you add the Rational\Common directory to your user path. Use the following procedure to add the directory to your user path:

1. Click the **Start > Settings > Control Panel**.
2. Double-click the **System** icon and select the **Environment** tab.
3. Click **Path Variable** in the User Variable section of the dialog box.
4. In the beginning of the existing path, insert the Rational common path (typically, C:\Program Files\Rational\Common), and then click **Set**.
5. Click **OK** to add the path and close the dialog box.

Preparing to install IBM Rational testing products

Use Table 15 to install and configure IBM Rational testing products on your desktop. To set up a Test Datastore and the ManualTest Web server, see the *IBM Rational Server Products Installation Guide*.

For the most current information related to Rose features and known issues, refer to the *IBM Rational Testing Products Release Notes* on the *Rational Solutions for Windows Online Documentation CD* or the IBM Publications Center at: <http://www.ibm.com/shop/publications/order>. The release notes also appear at the end of the product installation and are available by clicking **Start > Programs > Rational Software > Rational <testing product> > Rational <testing product> readme**.

Table 15. IBM Rational testing desktop installation checklist

Done	Task
Before installation	
	Get the license keys to run your Rational testing products. See “Licensing IBM Rational desktop products” on page 3 for more information.

Table 15. IBM Rational testing desktop installation checklist (continued)

Done	Task
	Make sure that you have administrator privileges on your desktop. See “Administrator privileges” on page 5.
	Read the descriptions of the Rational testing products in this section and check “Desktop system and software requirements” on page 6 for your product’s system and software requirements.
	Ask your administrator for the correct deployment type. See “Selecting a deployment type” on page 13.
	If SQA Suite 6.x is installed on your computer, you do not have to remove it. The current version of IBM Rational testing products and SQA Suite 6.x. can coexist because they are installed in different directories.
	Make sure that all computers have TCP/IP installed. Install any updates to your network software that you have not installed.
	Verify that the computers in your network are communicating with each other. (If you have any problems, see your network administrator.)
	Determine the role that each computer plays in testing - whether it is a Local or an Agent computer. For information, see “About IBM Rational Test Agents” on page 28. To generate test scripts using the TUXEDO protocol, install the TUXEDO 6 client software on the Local computer before you install any IBM Rational testing products.
	Install the appropriate database client software if you plan to play back test scripts on Local or Agent computers. See “Installing client software for performance testing” on page 28.
	To use Robot to test .NET applications, install Robot on the test computer after you install the .NET framework. During installation, Robot needs to install some assemblies to the global assembly cache. If you install Robot before you install the .NET framework, this step is skipped. You need to either re-install Robot or copy Dotnetspy.dll and interop.mscooreee.dll into your global assembly cache.
Installing IBM Rational Testing products	
	To install Rational Testing products from one of the deployment options described in this chapter, see Chapter 2, “Installing IBM Rational products,” on page 31.
After installation	
	Determine the kind of network to use, either Ethernet or Token Ring. You must know this when you install the IBM Rational Test network driver. See “Installing and removing the network driver” on page 56.
	Install the Rational Test Agents. See “Installing IBM Rational Test Agents” on page 58.
	If you plan to use IBM Rational ManualTest Web execution, see “Accessing ManualTest Web” on page 59. The instructions for setting up the Web server are in the <i>IBM Rational Server Products Installation Guide</i> .
	Install the Sample Applets. See “Installing the sample applets” on page 62.
	Ask your administrator where you should store your test assets and artifacts. See “About IBM Rational Test datastores” on page 28.

About IBM Rational TestManager

Use TestManager to manage all testing activities: planning, design, development, execution, and analysis. TestManager ties testing to the rest of the development effort, joining your testing assets and tools to provide a single point from which to understand the exact state of your project. TestManager includes the Rational Administrator, a project management tool. For information about how to use the Rational Administrator, see the *Rational Suite Administrator's Guide*.

About IBM Rational ManualTest Web execution

A manual test script is a set of testing instructions that are run by a human tester. A manual test script can consist of steps and verification points that you type into a manual test script using IBM Rational ManualTest. After you create a manual test script and associate it with a test case, creating a test case implementation, you can run the test case from a Web browser. For information about creating a manual test script and about test case implementations, see the *IBM Rational TestManager User Manual*.

Note: You can only run a test case from a Web browser if it has a manual test script implementation; you cannot run a test case with an automated test script implementation from a Web browser. If a test case has both a manual test script and an automated test script implementation, only the manual test script runs from a Web browser.

To run a test case associated with a manual test script, you or an administrator must install and configure a Web server with ManualTest Web Execution software and configure a Web browser on each desktop to access a Rational project. To configure the Web server, see the "Before you install" and "After install: configuring test datastores and test Web server" chapters in the *IBM Rational Server Products Installation Guide*.

About IBM Rational Robot

When you install Robot, you install all of the following products:

- IBM Rational TestManager, which is described in the previous section.
- IBM Rational Robot, to develop and start functional and performance tests for your Windows applications. For information, see the *IBM Rational Robot User Manual*.
- IBM Rational Administrator, to manage a Rational project. For information, see the *IBM Rational Suite Administrator's Guide*.
- IBM Rational SiteCheck®, to manage Internet and intranet Web sites. For information, see the Rational SiteCheck Help.
- Comparators, including the Object Properties, Text, Grid, and Image Comparators. Use to view and analyze the results of test script playback. For information, see the *IBM Rational TestManager User Manual* and the Comparators Help.

To use Robot to test .NET applications, install Robot on the test computer after you install the .NET framework.

About IBM Rational TeamTest

When you install TeamTest, you can install some or all of the components available on your installation CDs. TeamTest includes the following:

- IBM Rational TestManager and IBM Rational Robot, described previously.

- IBM Rational ClearQuest: Use to track defects of your testing project. Robot installs ClearQuest, which includes specially designed defect forms.
- IBM Rational Administrator is included in Robot and TestManager. For information about the Rational Administrator, see the *IBM Rational Suite Administrator's Guide*.

About IBM Rational Test datastores

A Rational Test datastore stores functional and performance testing assets and artifacts such as suites, test plans, test cases, reports, test logs and scripts, as well as information about users, groups, and computers. When you create a new test datastore from the Rational Administrator, you have the option of using two types of database engines: Microsoft Access or Sybase SQL Anywhere. For more information, see the *IBM Rational Server Products Installation Guide*.

The Rational Administrator, a project and data store management tool, is included in RequisitePro, Robot, SQL Anywhere, TestManager, and Rational Suite editions. For information about the Rational Administrator, see the *IBM Rational Suite Administrator's Guide*.

About IBM Rational QualityArchitect

QualityArchitect is a collection of integrated tools for testing middleware components such as Enterprise JavaBeans(tm) and COM. QualityArchitect is fully integrated with Rose, TestManager, Rational Administrator, and RequisitePro: QualityArchitect lets you reverse-engineer a component into Rose; map Java packages, classes, and methods to requirements in RequisitePro, generate test scripts from Rose, and edit and run the test scripts right from your Java development environment.

About IBM Rational Test Agents

After you install and license your IBM Rational testing software on a Local computer, you have the option of installing Test Agents on other computers. Use an Agent computer to:

- Add workload to the server, if you are running a performance test.
- Run test scripts on more than one computer. If you are running a functional test, you can save time by running the test scripts on the next available Agent computer instead of running them all on the local computer.
- Test configurations. If you are testing various hardware and software configurations, you can run test scripts on specific Agent computers that are set up with these configurations.

For more information about installing Test Agent software on Windows and UNIX® computers, see "Installing IBM Rational Test Agents" on page 58.

Installing client software for performance testing

To play back a test script that tests Oracle, Sybase, or SQL Server databases on a Local or Agent computer, install the appropriate database client software.

Oracle client software

To play back a test script that tests an Oracle database on a Local or Agent computer, install Oracle client software.

Sybase client software

To generate test scripts that test a Sybase database, install the Sybase 11.1 NT client software on the Local computer, that is, the Windows 2000 Server or the Windows NT 4 Server.

To play back test scripts that test a Sybase database, install the appropriate software on each Agent computer:

- For UNIX Agents, install Sybase 11.1 UNIX client software
- For NT Agents, install Sybase 11.1 NT client software

SQL Server client software

To generate test scripts that test a SQL Server database, you must install the SQL Server 6.5 or newer NT client software on the Local computer.

Note: Datastores created on the client can be stored on separate servers that have Windows NT 4 or Windows 2000 operating systems with SQL software.

To play back SQL Server test scripts on an Agent, you must install the appropriate software on each Agent computer as follows:

- For UNIX Agents, install Sybase 11.1 UNIX client software (limited compatibility)
- For NT Agents, install SQL Server 6.5 or newer NT client software

TUXEDO protocol software

To generate test scripts using the TUXEDO protocol, install the TUXEDO 6 client software on the Local computer before you install any IBM Rational testing products.

SAP protocol software

To generate test scripts using the SAP protocol, you must install the SAP Front end software, typically referred to as SAPGUI, on the Local computer.

DCOM/COM+ protocol software

Before you play back test scripts that use the DCOM/COM+ protocol on an Agent computer, ensure that the client application recorded on the Local computer also runs on the Agent. This ensures that the necessary COM objects are present and properly registered on the Agent.

WebLogic/EJB protocol software

To *generate* test scripts that test a WebLogic/EJB server, you must install WebLogic on the appropriate Local computer.

To *play back* test scripts that test a WebLogic/EJB server, you must install WebLogic on the appropriate Local or Agent computer.

About IBM Rational Test Enablers

The Test Enablers consist of the following. For more information about Test Enablers, see the *IBM Rational Robot User Manual*.

IBM Rational ActiveX Test Control - Install to test the properties of the ActiveX controls in your application-under-test using Robot.

Note: If you are using a development environment other than PowerBuilder, Oracle Forms, Visual Basic, Delphi, Java, or HTML, and you want to test the properties of your ActiveX controls, you must manually add the Rational

ActiveX Test Control to each OLE container in your application. For instructions, see the documentation that comes with your development environment.

The ActiveX Test Control provides communication between any OLE container and Robot. It is a nonintrusive control and has no impact on the behavior or performance of your application. At runtime, the Rational ActiveX Test Control is not visible.

IBM Rational Test Java Enabler is required to test Java applets running in a browser, or to test stand-alone Java applications. This Enabler scans your hard drive for Web browsers and Sun JDK installations that Robot supports, and enables only those environments currently installed on your system. Run the enabler each time you install a new Java environment (such as a new release of a browser or JDK).

IBM Rational Test Oracle Forms Enabler is used to test Oracle Forms 6.0, 5.0, and 4.5 applications. The Forms Enabler Installs both the Rational Test Oracle Forms Enabler and the Rational Test Object Testing Library for Oracle Forms.

Note: Be sure to install Oracle Forms 6.0, 5.0, or 4.5 and the Oracle Open Client Adapter for ODBC before you install the Rational Test Oracle Forms Enabler.

IBM Rational Test Delphi Enabler: Install to test your Delphi applications. Before you can test your Delphi applications, you must install the Rational Object Testing[®] Library for Delphi and the Rational Test Delphi Enabler.

IBM Rational Test Visual Basic Enabler: Install to test Visual Basic 4.0 applications. Ensures that all forms in your project, including MDI forms, contain the Rational ActiveX Test Control. This Enabler is an add-in (extension) to Visual Basic 4.0. For more information about Visual Basic add-ins, see your Visual Basic documentation.

Note: You do not need the Visual Basic Enabler to test Visual Basic 5.0 and later applications.

About IBM Rational XDE Tester

XDE Tester is the newest version of the product introduced as RobotJ in Rational Suites Enterprise Studio, Rational Suites TestStudio[®], and Rational TeamTest version 2002.05.02. XDE Tester includes all the RobotJ functionality.

If you are upgrading RobotJ to XDE Tester, see the *IBM Rational Suite Upgrade Guide* for important upgrade information.

For installation procedures, see the *IBM Rational XDE Tester Installation Guide* in your media kit.

Preparing to install IBM Rational XDE Modeler and XDE Developer

IBM Rational XDE Modeler and XDE Developer provide visual design and development tools tightly integrated with Microsoft Visual Studio .NET, IBM WebSphere[®], and the Eclipse platform.

For installation procedures, see the *IBM Rational XDE Modeler and XDE Developer Release Notes* in your media kit.

Chapter 2. Installing IBM Rational products

Use the IBM Rational Setup wizard for initial and upgrade installations of IBM Rational desktop client installations. This chapter describes how the Setup wizard can help you install IBM Rational products on client desktops using the methods described in “Selecting a deployment type” on page 13.

Note: See the *IBM Rational Server Products Installation Guide* for more information about installing and configuring server software, setting up network release areas, creating site defaults files, and running silent installations.

Removing previous releases of IBM Rational products

Before installing IBM Rational products from version 2003.06.13, if there are previous versions of Rational products installed, including the IBM Rational license server, you or your system administrator must see the *IBM Rational Suite Upgrade Guide*. You can find the guide in the *IBM Rational Solutions for Windows Online Documentation* CD-ROM, or you can download it from the IBM Publications Center. The only exception is IBM Rational ClearCase. You can install products with earlier versions of ClearCase.

Note: If you are using floating licenses, record the license server names before you upgrade IBM Rational products on your computer. After you install new IBM Rational products on your computer, reset the host names in the License Key Administrator.

Deploying IBM Rational products

Use Table 16 to help you find the correct procedures for the deployment method that your administrator has selected for you. Read the sections in the specified order.

Table 16. Installation tasks

Method	See
Install directly from the <i>Rational Solutions for Windows</i> CD.	<ul style="list-style-type: none">• “Using the IBM Rational Setup Wizard” on page 32.• “Using the Custom Setup page” on page 34.• “Specifying the IBM Rational license server” on page 35.• “Installing Rational products from the CD or Web download” on page 35.• “Postinstallation tasks” on page 41.

Table 16. Installation tasks (continued)

Method	See
Download the software from the IBM Web site.	<ol style="list-style-type: none"> 1. Go to www.ibm.com/software/Rational/support/licensing. 2. Select Rational Download and Licensing Center and register with IBM Web membership. 3. Select Full Product Versions or Patches and Service Releases. 4. Select the Rational product that you want to install. 5. Select the version of the Rational product that you want to install. Click Continue to navigate to the Download page.
Install from a release area on a network (using the standard configuration)	<ul style="list-style-type: none"> • “Installing products from a release area” on page 36. • “Postinstallation tasks” on page 41.
Install from a release area on a network (customizing the client configuration for your desktop)	<ul style="list-style-type: none"> • “Installing products from a release area” on page 36. • “Using the Custom Setup page” on page 34. • “Postinstallation tasks” on page 41.
Run a silent installation from a site defaults file.	<ul style="list-style-type: none"> • “Using silent installation commands” on page 39. • “Postinstallation tasks” on page 41.
Removing a product.	<ul style="list-style-type: none"> • Chapter 4, “Removing IBM Rational products,” on page 63. • “Using the command line to remove a product” on page 40.
Cancel a product installation.	<ul style="list-style-type: none"> • “Canceling a product installation” on page 42. • “Canceling a silent installation” on page 40.
Reinstall a product (modify or repair).	“Reinstalling a product (modify or repair)” on page 42.
Apply a service release.	“Applying service releases” on page 43.

Using the IBM Rational Setup Wizard

The Setup Wizard installs IBM Rational Software products. The Setup Wizard arrives in your product shipment or in your software download.

Before you start the IBM Rational Setup Wizard

The following general requirements are necessary to run the IBM Rational Setup Wizard on the system.

- Stop all applications, including SQL Anywhere services, before you begin the installation.
- Make sure you have administrator privileges before installing Rational products.
- To use the Rational Setup Wizard on a Windows operating system, you must have Windows administrator privileges on the local computer. Log in as one of the following users:

- Local administrator
- Member of the local administrator's group
- Domain administrator who is a member of the local administrator's group
- Turn off all virus protection software. These programs often run in the background and interfere with the performance of the installation application because the virus protection checks each file that is installed.
- Make certain that the system meets the minimum requirements and the correct operating system.
- The Setup Wizard uses C:\Program Files\Rational as the default installation path.
- 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 5-15 MB of temporary disk space on your hard drive.
- The Setup Wizard requires that you install all IBM Rational products in the same directory. If you already have Rational products installed on the computer, the Setup Wizard installs additional Rational products in the same directory.
- Do not install your Rational software to a network location under Windows 9.x. In certain situations, the installation needs to reboot to install files that have been locked by the operating system during installation. The reboot frees these files so that they can be replaced before they become locked again. Installing Rational software to a network location prevents this action from occurring because the network connections are not ready.
- Make sure that you have a current backup of your registry and system directories.
- When you install this release 2003.06.13 on a multiprocessor machine, disable the additional processors before installing the software. Consult your computer manufacturer for information on how to disable additional processors.
- Turn off any user interface managers or environments that run on Microsoft Windows.

Rational_install log

The Setup Wizard does not display an error summary. The log of installation activities called Rational_install.log records all installation activities. You and a Customer Support representative can use the log to trace most installation errors.

By default, the install log file is in the TEMP directory. The location of the directory depends on the TEMP environment variable set on the computer. To find the location, open a command Window and type **echo %TEMP%** at the MS-DOS prompt.

This folder and file may be hidden. To display them in Windows Explorer, set **Show Hidden Files and Folders**.

Note: The installation log is not cumulative. Performing another installation or performing a repair or modify of an installation overwrites the existing log file. If you need to save the log, either copy it to a different location or rename it before you install another product.

Registry Size

If you encounter the following system error during the installation, follow the instructions: "Your maximum registry size is too small. To ensure that Windows runs properly, increase your maximum registry size. For more information, see Help."

Using the Custom Setup page

Use the following table to help you install the client software for the following products, and if you are installing software from any of the following media:

- The *Rational Solutions for Windows* CD.
- The IBM Web download package.
- A release area and you do not accept the defaults set by your administrator. If you do accept the site defaults in the file, skip this section.

Note: For disk space requirements, see the "Desktop system and software requirements" on page 6. Do not use the number displayed in Custom Setup or the **Space** button on that page.

Table 17. Custom Setup page

Select Product	Custom Setup	Notes
ClearCase LT	ClearCase LT <ul style="list-style-type: none">• Rational ClearCase Microsoft Visual Studio.NET	Install the ClearCase LT client software only.
ClearQuest	ClearQuest <ul style="list-style-type: none">• See Notes.	Deselect the features that are selected on the Custom page to install only the basic ClearQuest software on your computer.
RequisitePro	RequisitePro <ul style="list-style-type: none">• Database Setup• Sample Projects• Web Server Components• Rational RequisiteWeb	Install the components that are already selected on the Custom Setup page.
Robot	Robot <ul style="list-style-type: none">• TestManager• Rational Extended Help	The Web Server Components feature is cleared. Select the Web Server Components only if you are installing the Web server for ManualTest Web Execution. See the <i>IBM Rational Server Products Installation Guide</i> for instructions.
TeamTest	TeamTest <ul style="list-style-type: none">• ClearQuest• TestSamples Setup• Robot• Rational Extended Help• Web Server Components	The Web Server Components feature is cleared. Select the Web Server Components only if you are installing the Web server for ManualTest Web Execution. See the <i>IBM Rational Server Products Installation Guide</i> for instructions.
Test Manager	TestManager <ul style="list-style-type: none">• Web Server Components	The Web Server Components feature is cleared. Select the Web Server Components only if you are installing the Web server for ManualTest Web Execution. See the <i>IBM Rational Server Products Installation Guide</i> for instructions.

Specifying the IBM Rational license server

You can provide an IBM Rational license server name in the Setup wizard if you are using floating licenses. Your administrator may have already provided the license server name if you are installing from a release area or running a silent installation. If your product does require a license key and you or your administrator do not provide the name, the License Key Administrator (LKAD) launches at the end of the installation.

Installing Rational products from the CD or Web download

This section describes a typical installation of a desktop product or client software from the CD or from a software package that you downloaded from the IBM Web site. The Setup Wizard Program guides you through the software installation regardless of the deployment method.

Note: Interrupting an installation that is in progress may leave your computer in an indeterminate state. If you try to close the Setup wizard window while the installation is in progress, you are asked to confirm that you want to exit from the incomplete installation.

To install desktop products from a CD:

1. Log in as a user with administrator rights on the local machine on which you want to install the product.
2. Insert the *Rational Solutions for Windows* Disc 1 into the computer's CD drive. If you have downloaded the software using the Download Director or a zip file, click *Setup.exe* after you have extracted the files from either the Download Director or the zip file.

The Setup wizard starts automatically.

If autorun is disabled on your computer, click **Start** > **Run** and enter *cd_drive:\Setup.exe* where *cd_drive* is the letter of the CD drive.

3. The **Product Selection** page lists all products available for installation. Select the product you want to install.
4. Select the **Desktop Installation from CD Image** option in the **Deployment Method** page.
5. If you are installing ClearCase LT, you will see the **Client/Server** page. The client software on the client computers will not work until you have installed and configured the server.
 - If you are installing and configuring the server software, select **Install the server and client software**.
 - If you are installing client software, select **Install the client software only**.
6. Choose to accept or not to accept the IBM Rational Software license agreement in the **License Agreement** page.
 - If you accept the license agreement, the installation wizard continues.
 - If you do not accept the license agreement, exit the Setup wizard by clicking **Cancel** and then **Finish**. For information about changes to the computer, see "Canceling a product installation" on page 42.
7. The **Destination Folder** page specifies the directory where the wizard will install the IBM Rational product. If you want to change the location, click **Change**.

Note: The installation wizard requires that all IBM Rational products be installed in the same directory.

8. The **Custom Setup** page provides product feature options for the software installation. You can either accept the default features on the page or you can customize the installation. See “Using the Custom Setup page” on page 34 to verify if you need to customize the installation.

If you want to change the features, use the Help.

Note: For disk space requirements, see “Desktop system and software requirements” on page 6. Do not use the number displayed in Custom Setup or the **Space** button on that page.

9. Depending on the product that you have selected, you will see one or more custom configuration pages in the wizard. Use the Help to provide instructions in this section of the wizard.

Enter the required information in each page of the wizard. (All required information displays in the left panel of the wizard with a red dot.)

To navigate through the pages, you can either click **Next** to see them sequentially or click on the page title in the left pane to access the page directly and nonsequentially.

When you complete the last page, click **Done**.

10. Click **Install** on the **Ready to Install the Program** page to begin the installation.
11. A **Restart Windows** page opens if the Setup wizard needs to restart your computer. If files required for the installation are in use during the Setup wizard and if the wizard needs to install shared components on your computer, the Setup wizard may need to restart your computer.
Select **Restart** or **Don't Restart**. If you select **Don't Restart**, the wizard reminds you that the installation cannot complete until Windows restarts. After Windows restarts, the second part of the installation process starts automatically after you log on.
12. When the **Setup Complete** page opens, we recommend that you review the current information related to new features and known issues in the readme file. In addition, you can view the Rational Developer Network® Web pages. Click **Finish** to complete the installation.

Installing products from a release area

When you are installing IBM Rational products on a desktop from a release area designated by your system administrator, in most cases, we recommend that you accept the defaults as presented on the installation screens. Speak to your administrator if you want to change the defaults chosen for you.

Installing from a release area includes the following tasks:

1. Your administrator creates one or more site defaults files in a release area using the IBM Rational Setup wizard (Enterprise Deployment option) or the Site Preparation wizard and informs you of the name of the site defaults file and network location of the release area or sends you a shortcut to the site defaults file.

Note: The instructions for setting up a release area and populating it with site defaults files are in the *IBM Rational Server Products Installation Guide*.

2. Then, navigate to the release area and run the site defaults file or run the site defaults shortcut from your desktop client. This shortcut will run an installation on your desktop from the release area.

To install products from a release area, you can either use a standard configuration (the definitions set by your administrator), or you can customize the configuration for your desktop. “Using a standard configuration” on page 37 describes the procedure for using a standard configuration. “Customizing your own configuration” on page 38 describes the procedure for customizing your configuration.

Using a standard configuration

Before following these instructions, read the overview information in the previous paragraphs. You or your administrator must create a release area and a site defaults file before you can install a product from the release area.

To install a default configuration from the release area:

1. Log on as a user with local administrator privileges.
2. To install a product using the settings in a specific site defaults file, either specify the name of the site defaults file on the command line or click the associated site defaults shortcut in the release area. For example, to install ClearQuest using the settings in **sitedefs_cqclient.dat**, map a network drive from your computer to the shared release area. Then,
 - In the DOS Windows, use the **cd** command to navigate to the root directory of the release area. Then enter, for example, **setup.exe sidedefs_cqclient.dat**, or
 - In Windows Explorer, expand the mapped drive and launch the shortcut, for example, **sitedefs_cqclient.lnk** or **sitedefs_cqclient**.
3. The IBM Rational Setup Wizard guides you through the software installation. In each page, click **Next** to open the next page. Click **Help** for more information.

The **License Agreement** page displays the IBM Rational Software license agreement.

- If you accept the license agreement and click **Next**, the installation continues.
- If you do not accept it, the installation does not let you proceed further. Click **Cancel** and exit from the installation. You will not see any visible changes to the system. The program returns your system to the state it was in before you launched the Rational Setup Wizard.

Note: If you do not have the correct version of Windows Installer software on your computer, the Setup Wizard will install it for you. Canceling the installation does not remove the updated version of Windows Installer. In some cases, you may have to restart the computer.

4. The **Destination Folder** page displays the default destination folder for the installation. Click **Change** to select a different destination folder for the installation. Click **Next**.
5. Click **Use the standard configuration** on the **Site Default Configuration** page. The default features for the product and the existing site default values will be used for the client installation. Click **Next**.
6. Click **Install** to begin the installation on your client desktop.
7. A **Restart Windows** page opens if the Setup Wizard needs to restart your computer. If files required for the installation are in use during the Setup

Wizard, and if the Wizard needs to install shared components on your computer, the Setup Wizard may need to restart your computer.

Select **Restart** or **Don't Restart**. If you select **Don't Restart**, the Wizard reminds you that the installation cannot complete until Windows restarts.

After Windows restarts, the second part of the installation process starts after you log on.

8. When the **Setup Complete** page opens, IBM recommends that you review the current information related to new features and known issues in the readme file. In addition, you can view the IBM developerWorks Web pages. Click **Finish** to complete the installation.

Customizing your own configuration

Before following these instructions, read the overview of installing a product from a release area in this section. You or your administrator must create a release area and a site defaults file before you can install a product from the release area.

To customize a configuration for a specific computer:

1. Log on as a user with local administrator privileges.
2. To install an IBM Rational product using the settings in a specific site defaults file, either specify the name of the site defaults file on the command line or click the associated site defaults shortcut in the release area. For example, to install ClearQuest using the settings in `sitedefs_cqclient.dat`, map a network drive from your computer to the shared release area. Then,
 - In the DOS Window, use the `cd` command to navigate to the root directory of the release area. Then enter, for example, `setup.exe sidedefs_cqclient.dat`, or
 - In Windows Explorer, expand the mapped drive and launch the shortcut, for example, `sitedefs_cqclient.lnk` or `sitedefs_cqclient`.
3. The Setup Wizard runs and guides you through the software installation. In each page, click **Next** to open the next page. Click **Help** for more information.
4. The **License Agreement** page displays the IBM Rational Software license agreement.
 - If you accept the license agreement and click **Next**, the installation continues.
 - If you do not accept it, the installation does not let you proceed further. Click **Cancel** and exit from the installation. You will not see any visible changes to the system. The program returns your system to the state it was in before you launched the Setup Wizard.

Note: If you do not have the correct version of Windows Installer software on your computer, the Setup Wizard will install it for you. Canceling the installation does not remove the updated version of Windows Installer. In some cases, you may have to restart the computer.

5. The **Destination Folder** page displays the default destination folder for the installation. If you want to select a different destination folder for the installation, click **Change**.
6. Click **I will create my own custom client configuration** on the **Site Default Configuration** page.
 - The Custom Setup page displays product features to select. For more information about features for your product, see the "Using the Custom Setup page" section.

Note: For disk space requirements, see the *System and Software Requirements* table in the *Before You Install* chapter of this guide. Do not use the number displayed in **Custom Setup** or the **Space** button on that page.

- When you click **Next**, you may change any of the existing site default values. (Any changes to the site default values apply only to this single installation.) After modifying the values, click **Done**.

7. Click **Install** to begin the installation on your client desktop.

8. A **Restart** Windows page opens if the Setup Wizard needs to restart your computer. If files required for the installation are in use during the Setup Wizard and if the Wizard needs to install shared components on your computer, the Setup Wizard may need to restart your computer.

Select **Restart** or **Don't Restart**. If you select **Don't Restart**, the Wizard reminds you that the installation cannot complete until Windows restarts.

After Windows restarts, the second part of the installation process starts automatically after you log on.

9. When the **Setup Complete** page opens, we recommend that you review the current information related to new features and known issues in the readme file. In addition, you can view the IBM developerWorks Web pages. Click **Finish** to complete the installation.

Using silent installation commands

A silent installation lets you use the same parameters to install an IBM Rational Software product on a number of computers.

Silent installation overview

Your administrator may set up a site defaults file so that many users can perform unattended installations of a product with the same parameters.

The site defaults file directs the Setup wizard to install program files in a specific directory on your computer. For information about setting up a silent installation, see the *IBM Rational Server Products Installation Guide*.

When you start the silent installation, you do not see any installation screens. If a restart is required, your computer restarts automatically. After the computer restarts, you must log on manually. The install wizard then restarts and finishes. When the installation finishes, you do not see an installation complete screen at the end. If your administrator did not specify the license server in the site defaults file or you are using a node-locked license key, you may have to manually configure licensing after the Setup wizard finishes. For more information, see "Licensing IBM Rational desktop products" on page 3.

Running a silent installation

The following instructions describe the commands you need to run a silent installation on your computer.

To run the silent installation on your desktop, your administrator gives you the following information:

- Path to the site defaults file and the *setup.exe* file in the release area or shortcut to the site defaults file. (The shortcut will not have a .dat suffix.)
- Installation directory (where the Setup wizard will install the files on your desktop).
- License key information, if necessary.

- Ensure that you have removed all previous versions of IBM Rational products earlier than version 2003.06.13 from your desktop. Users who install silently do not see the warning message to remove these previous versions of IBM Rational products. The installation does not proceed until all of these products are removed. This warning message is saved in your installation log file. See this file if the installation fails. For more information about this file, see “Rational_install log” on page 33.

Note: If the user who performs the silent install does not have administrator rights on the machine, there will be no indication if a product fails to install.

To run the site defaults file in silent mode:

1. Map a local drive to the release area (optional).
2. Go to **Start > Run** and enter the following commands:

<local drive>: \setup.exe /g <C:\filename.dat >

Where *<local drive>* is the mapped drive or the path to setup.exe . There is a space between setup.exe and command /g and a space between /g and the path to the *filename.dat* file which is *C:\filename.dat* .

The executable installs the product specified in the site defaults file from the source directory to the installation path. The default installation path is *C:\Program Files\Rational\ <Rational products>*.

If a restart is required, your computer restarts automatically. After the restart, you must log on manually. The installer then re-launches automatically and finishes. When the installation finishes, you do not see an installation complete screen.

If your administrator did not specify the license server in the site defaults file, you may have to manually configure licensing after the Setup wizard finishes.

Note: If the Setup wizard detects insufficient disk space on the desktop, the wizard will cancel the installation and note the error in the *Rational_install.log* in your TEMP directory. The location of the directory depends on the environment variable set on the computer. To find the location, open a command Window and type: **echo %TEMP%** at the DOS prompt.

Canceling a silent installation

There is no command to cancel a silent installation.

Using the command line to remove a product

To remove an IBM Rational product in the current releases (2003.06 and later), use the following commands. These commands will not remove earlier versions of Rational products.

<local drive>:\msiexec.exe /X <path to product>.msi /qn

Where *<local drive>:* is a mapped drive or path to msiexec.exe. The variable *<path to product>.msi*, such as *ClearQuest.msi*, is the path to the MSI file in your networkwide release area used by ClearQuest, for example, during installation. In the release area, that MSI file exists in the Setup directory. The command */x* indicates an uninstall operation and */qn* indicates no user interfaces are displayed during the uninstall operation.

Using postinstallation commands

For instructions about how to set up postinstallation commands, see the *IBM Rational Software Server Products Installation Guide*.

Postinstallation tasks

The following sections apply to all deployment types.

Licensing

If you do not see the License Key Administrator (LKAD) launch at the end of the installation, your product is either licensed or does not require a license. Skip to “Product installation checklist” on page 42.

You may see the License Key Administrator (LKAD) launch at the end of a product installation for the following reasons:

Deployment Type	Reason
Desktop installation from CD image	<ul style="list-style-type: none">• You did not provide a license server name in the Setup wizard, or• The product requires a node-locked license key.
Install from Web download	<ul style="list-style-type: none">• You did not provide a license server name in the Setup wizard, or• The product requires a node-locked license key.
Install from a release area (Enterprise Deployment)	<ul style="list-style-type: none">• Your administrator did not provide a license server name in the site defaults file, or• The product requires a node-locked license key.
Silent installation	<ul style="list-style-type: none">• Your administrator did not provide a license server name in the site defaults file, or• The product requires a node-locked license key.

If you see the LKAD, you must perform the following tasks to license the product.

To Configure	Task	See
Floating License Key	Enter the name of the license server in the LKAD. Note: When using floating licenses, make sure that the license server system is running before you start the Rational License Key Administrator on your desktop. Otherwise, if the License Key Administrator is directed to get a license, it will return an error.	<ul style="list-style-type: none">• “Licensing IBM Rational desktop products” on page 3, or• <i>IBM Rational Software License Management Guide</i>, or• LKAD Help

To Configure	Task	See
Node-Locked License Key	Import the node-locked license key in the LKAD.	<ul style="list-style-type: none"> • “Licensing IBM Rational desktop products” on page 3, or • <i>IBM Rational Software License Management Guide</i>, or • LKAD Help

Product installation checklist

Perform the postinstallation tasks for the product you have just installed. If you are unsure whether the product requires any configuration, see Chapter 1, “Before you install,” on page 1 and look for the product installation checklist.

Canceling a product installation

If you click **Cancel** any time during the installation procedure or before the installation completes, you will not see any visible changes to the system. The program returns your system to the state it was in before you launched the Setup Wizard.

Note: If you do not have the correct version of Windows Installer software on your computer, the Setup Wizard will install it for you. Canceling the installation does not remove the updated version of Windows Installer. In some cases, you may have to restart the computer.

Reinstalling a product (modify or repair)

To modify or repair a Rational installation, use **Add or Remove Programs**.

Note: Before you perform a Modify or Repair installation of any product, save the original installation log to a different location or rename it. Otherwise, it will be overwritten.

To remove the product, see Chapter 4, “Removing IBM Rational products,” on page 63.

1. Log in as a user with Administrator rights on the local computer on which you want to install the product.
2. Click **Start** > **Settings** > **Control Panel** > **Add or Remove Programs**.
3. Highlight the IBM Rational product and click **Change**.
 - **Modify the Existing Installation.** Choosing this option enables you to change which products and product features are installed. The Setup Wizard provides the **Custom Setup** page for you to clear or select features. For example, you included the ClearQuest MultiSite Administration Tools in your ClearQuest client installation and you want to install the client without this feature. To reinstall the ClearQuest client, clear this product feature in the **Custom Setup** page and reinstall the ClearQuest client.
Click **Modify** and then click **Next** to select or clear features in the **Custom Setup** page. Click **Next** and then click **Install** to begin the installation.
 - **Repair the Existing Installation.** Choosing this option enables you to repair a damaged registry or replace files that you may have inadvertently deleted. This option does not repair incomplete or unsuccessful installations.

Note: A fatal error occurs when you click the **Space** button in the **Custom Setup** page. To prevent the Setup Wizard from aborting the modify action, do not click **Space**.

To begin the repair, click **Repair** and then click **Next** and then click **Install**. At the end of the operation, the status of the repair is displayed.

IBM Rational Setup wizard warnings or blocks

If you encounter blocks or warnings during the installation procedure, consult Table 18 if you do not remember the entire message.

Table 18. Warning/Block Solutions

Warning/Block	Solution
You are attempting to install on an unsupported operating system.	IBM recommends that you install on a supported operating system. For a complete list of supported operating systems and service packs, see the <i>Release Notes</i> for your product.
You are attempting to install on a system with an unsupported browser	Before you use Rational Unified Process®, ProjectConsole, Rose, Web Publisher, and XDE Web Publisher, see the list of supported browsers in the <i>Release Notes</i> for your IBM Rational product.
You are attempting to install on a system that has an version of Office that is not compatible with SiteCheck.	for a complete list of supported versions, see the <i>Release Notes</i> for your product.
You are attempting to install on an unsupported version of WebSphere Studio.	It is recommended that you use upported version. For the complete list of supported operating systems, see the <i>Release Notes</i>
MDAC and ODBC	If the correct MDAC and ODBC drivers are not installed on your computer, the Setup wizard installs version 2.7 of the Microsoft Data Access Components (MDAC) and Open Database Connectivity (ODBC) drivers. For more information, read Microsoft Knowledge Base Article 216149.

Applying service releases

To find an IBM Rational Software service release:

1. Log into the Rational Download and Licensing Center at <https://www6.software.ibm.com/reg/rational/rational-i>.
2. Select **Patches and Service Releases**.
3. Select the Rational product that you want to install.
4. Select the version of the Rational product that you want to install. Click **Continue** to navigate to the **Download** page.

You can also download the service release notes from the Download page. The release notes provides service release features, restrictions, and instructions. Use this information to install a Rational service release.

Chapter 3. After you install

The procedures in this chapter cover client configuration after installing IBM Rational ClearCase LT, ClearQuest, RequisitePro, and Testing products as stand-alone products and as part of Rational Suite. The product installation checklists in Chapter 1, “Before you install,” on page 1 provide product-specific lists of these tasks.

IBM Rational ClearCase LT: after you install

Follow the steps in this section to configure a ClearCase LT native client. If you are using ClearCase Web, see “Logging in to ClearCase Web” on page 45.

Note: The ClearCase LT server includes ClearCase LT client software, so these steps also apply to the server.

Creating views

You need to create views before users can access data on the ClearCase LT server. How you create them depends on whether your site will be using IBM Rational Unified Change Management (UCM) or base ClearCase.

To create a development and an integration view in UCM:

1. Click the **ClearCase LT** icon on your desktop to start ClearCase Explorer.
2. Click the **Toolbox** tab, click the **UCM** bar, and then click the **Join Project** icon to run the Join Project wizard.

To create a view in base ClearCase:

1. Click the **ClearCase LT** icon on your desktop to start ClearCase Explorer.
2. Click the **Toolbox** tab, select the **Base ClearCase** bar, and then click the **Create View** icon.

Logging in to ClearCase Web

To access ClearCase Web:

1. Ask your administrator for the ClearCase LT server name.
2. Start your Web browser, and then enter the following URL:

http://<server name>/ccweb

where server name is the host name of the ClearCase LT server machine.

3. Press Return. No log in information is required.

IBM Rational ClearQuest: after you install

Follow the procedures in this section to configure the ClearQuest native client (Table 19) or configure the New ClearQuest Web client (Table 20) on your desktop.

Table 19. After installation: ClearQuest native client

Task	See
Create a database alias if accessing a DB2 database for ClearQuest..	“Creating a DB2 database alias” on page 46.

Table 19. After installation: ClearQuest native client (continued)

Task	See
Connect to the ClearQuest database.	"Connecting to ClearQuest databases" on page 47.
Log in to ClearQuest.	"Logging in to ClearQuest" on page 49.
Configure ClearQuest client to send and receive e-mail notification.	<ul style="list-style-type: none"> "Configuring your ClearQuest client to receive e-mail notification" on page 50. "Configuring your ClearQuest client to send e-mail notification" on page 50.

Table 20. After installation: New ClearQuest Web client

Task	See
Log in to New ClearQuest Web.	"Logging in to New ClearQuest Web" on page 51.
Configure New ClearQuest Web client for e-mail notification.	"Configuring your New ClearQuest Web client to receive e-mail notification" on page 51.

Creating a DB2 database alias

Before using a ClearQuest Windows client to access a ClearQuest DB2 database, use the Client Configuration Assistant to create a database alias for each physical ClearQuest database you will use. The administrator will assign a specific database alias name to use when creating the DB2 database alias.

1. For DB2 7.x, click **Start > IBM DB2 > Client Configuration Assistant**. For DB2 8.1, click **Start > IBM DB2 > Set-up Tools > Configuration Assistant**.
2. For DB2 7.x, in the **Welcome** dialog box, click **Add database**. Then, click **Search the network** and click **Next**. For DB2 8.1, in the DB2 Message dialog box, click **Yes**. Then, click **Search the network** and click **Next**.
3. Expand the **Known Systems** folder. If you see the DB2 database server host on which the ClearQuest database resides, expand it and select the database name for which you want to create an alias. Click **Next**.

Note: If you do not see the DB2 server computer you need, expand the **Other Systems** folder. If you still do not see the computer, talk to your ClearQuest database administrator. There may be a network problem.

4. Type an alias name in the **Database alias** box. Type an optional comment in the **Comment** box and click **Next**.
5. Clear the **Register this database for ODBC** option if it is selected. Click **Finish**.
6. A confirmation dialog box opens. To test access to the DB2 database, click **Test Connection** and type the user name in the **User ID** box and password in the **Password** box.

If the connection fails, attempt to connect by using the following command:

```
db2
```

```
db2> catalog TCP/IP node node-name remote host-name server port-number
```

```
db2> catalog database database-alias at node node-name
```

```
db2> terminate
```

When a ClearQuest client uses the ClearQuest Maintenance Tool to create a schema repository or to configure the connection to the DB2 database server, the Database alias, created when using the DB2 client, is entered in the **Database Alias** box on the Maintenance Tool.

Connecting to ClearQuest databases

After installing the ClearQuest Windows client, you will need to connect to an existing schema repository. Your ClearQuest administrator has two methods of providing you with the database properties information:

- The ClearQuest administrator can provide you with the database properties for the schema repository and you can create a new connection (see “Creating a new connection” on page 47).
- The ClearQuest administrator can create a connection profile for client users to connect to the schema repository (see “Using connection profiles” on page 48 and “Importing a connection profile” on page 48).

Note: If your ClearQuest database is using DB2, install the DB2 client software and create a database alias before connecting to ClearQuest. For more information, see “Installing the DB2 client” on page 20 and “Creating a DB2 database alias” on page 46.

Creating a new connection

Before you continue with these instructions, consult with your ClearQuest site administrator for the database property information.

1. Click **Programs > Rational Software > Rational ClearQuest > ClearQuest Maintenance Tool**.
2. Click **Connection > New**.
3. In the **Existing Connections** area, name the alias by typing a name in the highlighted item.
4. In the **Schema Repository Properties** group box, specify the properties of the vendor database designated for the schema repository. Select a vendor database from the list and type the required vendor database properties.

Database	Properties
----------	------------

MS_ACCESS	Type the entire path to the schema repository using a UNC style path. For example: \\DevServer\ProjectShare\CQ_DBS\schema_repo.mdb
-----------	---

Or

You can browse to the directory containing the database. Be sure to browse using the Network Neighborhood to preserve the UNC style path name.

SQL_ANYWHERE	Type the path to the schema repository using a UNC style path. For example: \\DevServer\ProjectShare\CQ_DBS\schema_repo.mdb
--------------	--

Or

- Type the name of the database server.
- Type the protocols used to communicate with the SQL Anywhere server.
- Type the database host name.

- Set the **Connect Options**. The default connect option is **SERVER_VER=8.0**; use this option to connect to a SQL Anywhere version 8.0.1 or 8.0.2 database. For more information on using connect options, see the *IBM Rational ClearQuest Documentation Supplement*.

SQL_SERVER

- Type the SQL Server database name for the database containing the schema repository.
- Type the name of the database server.
- Type the schema repository or read-only user login.
- Type the password for the schema repository or read-only login.
- Type the connect options. For more information on using connect options, see the *IBM Rational ClearQuest Documentation Supplement*.

ORACLE

- Type the name of the database server.
- Type the Oracle instance name (or SID).
- Type the Oracle login created for the schema repository.
- Type the password for the login.
- Type the connect options. The default connect option is **LOB_TYPE=CLOB**; CLOB (Character Large Object) supports multiline searching for Oracle databases. For more information on using connect options, see the *IBM Rational ClearQuest Documentation Supplement*.

DB2

- Select DB2 in the **Vendorbox**.
- Type the database alias name (database alias pointing to the DB2 database).
- Type the DB2 login created for the schema repository.
- Type the password for the login.

5. Click **Finish** to complete the connection.

Using connection profiles

Your ClearQuest administrator can create connection profiles that can be used as shortcuts.

Both ClearQuest administrators and ClearQuest client users can import and export connection profiles for later use.

Use the ClearQuest Maintenance Tool to export and import connection profiles.

Importing a connection profile

To use a previously created connection profile, import a connection profile.

1. From the **Start** menu, click **Programs > Rational Software > Rational ClearQuest > ClearQuest Maintenance Tool**.
2. Click **File > Import Profile**.
3. In the **Import Profile Information** area, type the path and file name of the profile you would like to import.

Note: After completing a ClearQuest client installation from a release area, when the **Import** page displays, the default location of the profile (that was defined using the **Site Preparation wizard**) is prepopulated in the **Import Profile Information** area only if the logon ID that is running the ClearQuest Maintenance Tool is the same logon ID as the person who installed ClearQuest. If they are not the same logon ID, you must enter or manually navigate the UNC path to the file name for the `cqprofile.ini` file.

4. Click **Next**.
5. Click to select the connections to import and verify the **Schema Repository Properties** information, then click **Finish**.

Logging in to ClearQuest

After you create a new connection to a schema repository using the ClearQuest Maintenance Tool, you can log in to the schema repository and select the user database you want to access.

Before you can log in, your ClearQuest administrator must provide you with a user name and password.

To log in:

1. Click **Start > Programs > Rational Software > Rational ClearQuest > ClearQuest**.
2. If you have created connections to more than one schema repository, select a schema repository from the **Rational ClearQuest Schema Repository** dialog and then click **Next**.
3. Type your user name and password, select a user database and then click **OK**. The ClearQuest client opens and you can begin to use ClearQuest.

Note: If a **Warning - Invalid Login** dialog box opens, click the **Details** option in this dialog for further information.

Using Crystal Reports with ClearQuest Windows Clients

IBM Rational ClearQuest uses the integration with Crystal Reports reporting software to:

- Author report formats. Report authors can create new reports and edit the layout of existing reports using the Crystal Reports Designer available through Crystal Reports Developer's Edition.
- Run, view and print reports. Users with ClearQuest Windows and ClearQuest Web clients can run reports on sets of ClearQuest records.
- Print records. Users with ClearQuest Windows clients can select a ClearQuest record from the results of a query results and print the record using a report format.

Note: More information about reporting is available in the Rational ClearQuest client online help.

With Rational ClearQuest version 2003.06.00, it was necessary to separately install the Crystal Reports files from the Crystal Reports Developer's Edition, version 8.5 to run, view and author reports. With Rational ClearQuest version 2003.06.13, the Crystal Report files needed to run and view reports are included with ClearQuest, and are automatically installed with ClearQuest Windows clients. The installed files are based on Crystal Reports version 10.

However, to author new reports and customize the defect reports that ship with ClearQuest, it is necessary to purchase a Crystal Reports Developer's Edition, version 10. To acquire a copy of Crystal Reports Developer's Edition, version 10, contact Business Objects at www.businessobjects.com.

Configuring your ClearQuest client to receive e-mail notification

To configure your ClearQuest client for Windows to receive e-mail notification, edit your user profile as follows:

1. Click **View > Change User Profile**. The **User Profile** dialog box opens.
2. Type your e-mail address in the **E-Mail** box.
3. Click **OK** to save your changes.

Configuring your ClearQuest client to send e-mail notification

If your ClearQuest administrator configured a site default e-mail address (based on SMTP) when creating the release area, this e-mail address is configured by default when you install the ClearQuest for Windows client software. (For information on configuring site default values using the SitePrep wizard, see the *IBM Rational Server Products Installation Guide*.)

After installing ClearQuest for Windows, you can enable e-mail notification if a site default e-mail address is not defined, or you can change your default e-mail address, as follows:

1. Start the E-Mail Options wizard by clicking **View > E-Mail Options**. The **Choose E-Mail Provider** dialog box opens.
2. Select the **Enable E-Mail notification** check box.
3. In the **E-Mail Provider** list, select either **MAPI** or **SMTP**. Then click **Next**.
4. If you selected **SMTP**, the **Configure Mail Server** dialog box opens. Do the following:
 - a. In the **Outgoing SMTP Server** box, type the SMTP host address of your e-mail server. If you do not know this address, ask your ClearQuest or network administrator.
 - b. In the **Your E-Mail Address** box, type the e-mail address from which you will send notification when you modify ClearQuest records. For example, this can be your e-mail address or that of a group to which you belong. The e-mail address must be a valid RFC-822 address. For additional information, ask your ClearQuest or network administrator.
 - c. Click **Finish** to save your changes.
5. If you selected **MAPI**, the **Choose Profile** dialog box opens. Do the following:
 - a. In the **MAPI Profile** list, select a profile. ClearQuest automatically detects any existing profiles and displays them in the list. If you have e-mail set up on your computer, a profile should already exist for you. If there are no choices in the list, contact your ClearQuest or network administrator.
 - b. Click **Finish**.

Note: MAPI notification does not work without Collaboration Data Objects installed. If you have not installed Collaboration Data Objects on the client machine, perform the steps in "Installing collaboration data objects" on page 51.

Installing collaboration data objects

Collaboration Data Objects must be installed in Microsoft Outlook 2000 or Outlook 2003 for ClearQuest MAPI notification to work properly.

If you do not have Microsoft Outlook 2000 or 2003 installed, follow the recommended Microsoft Outlook 2000 and 2003 installation procedures and guidelines. Be sure to check the option to install the Collaboration Data Objects.

If you have Microsoft Outlook 2000 or 2003 already installed, follow these steps:

1. From the Start menu select **Settings > Control Panel** and double-click **Add/Remove Programs**.
2. Select **Outlook 2000** or **Outlook 2003** (or Office 2000 or Office 2003 if that is how Outlook was installed), and click **Change**.
3. Expand **Microsoft Office** and click the icon for **Collaboration Data Objects**.
4. Click **Run from my computer** from the list.
5. When you are finished, click **Update Now**.

Logging in to New ClearQuest Web

To log in to New ClearQuest Web for the first time:

1. Ask your administrator for the ClearQuest URL, database name, and the username and password that you should use.
2. Start your Web browser, and then type the following URL:
`http://< host>/< alias>`
where:
 - *<host>* is the host name of the ClearQuest Web Application server, and
 - *<alias>* is the directory containing the New ClearQuest Web files.
3. Press Return.
4. In the New ClearQuest Web Logon page:
 - a. At **User Name**, **Password**, and **Database**, enter the information that your administrator gave you.
 - b. Click **Logon**.

Configuring your New ClearQuest Web client to receive e-mail notification

After your ClearQuest administrator installs the New ClearQuest Web server components, you may need to configure your New ClearQuest Web client to receive e-mail notification. To do so, see the *IBM Rational New ClearQuest Web Administrator's Guide*.

IBM Rational RequisitePro: after you install

After you install RequisitePro and Oracle client, if applicable, on your desktop, you can then:

- Create an Oracle or DB2 database alias.
- Create a RequisitePro project that uses the database for storing RequisitePro data, or
- Add an existing project to your catalog and open it.

To use the RequisitePro Web client, see "Logging on to RequisiteWeb" on page 55.

Defining Oracle database aliases on each client

Use the Oracle SQL*Net or Net8 Easy Configuration tool to configure access from your client to the Oracle database server. If you plan to share projects with other users, be sure to use a consistent database alias or service name, as determined by your database administrator.

Defining DB2 database aliases on each client

Use the **DB2 Connect(tm) Personal Edition** to create a DB2 alias on your client desktop to access the DB2 database server. If you plan to share projects with other users, be sure to use a consistent database alias, as determined by your database administrator or project administrator.

Note: Make sure that the **Register this database for ODBC** check box is cleared.

Creating a RequisitePro project

Ask your database administrator for the database vendor and follow the instructions in this section for that vendor (“Creating a project in Oracle” on page 52 or “Creating a project in SQL Server” on page 53).

If you have project data in a Microsoft Access database, you can use the Data Transport wizard to convert the data to an Oracle database or SQL Server. See “Using the Data Transport wizard” on page 52.

Using the Data Transport wizard

To convert a project from an existing Microsoft Access database to an Oracle, DB2 or SQL Server database, use the Data Transport wizard. In Windows Explorer, start the Data Transport wizard. Navigate to the directory: \Program Files\Rational\RequisitePro\bin\ and double-click the executable, rqdatatransportwiz.exe .

Creating a project in Oracle

Perform the following steps to create a RequisitePro project that uses Oracle for the project database.

Use the Oracle SQL*Net or Net8 Easy Configuration tool to configure access from your client computer to the Oracle database server. If you plan to share projects with other users, be sure to use a consistent database alias or service name, as determined by your database administrator.

To configure your access to Oracle from RequisitePro, the database administrator must provide the following information:

- Oracle database server name (TCP/IP Host Name)
- Oracle database alias or service name
- Oracle schema name for storing RequisitePro projects (see procedure below)
- Your user ID for logging on to the Oracle database
- Your user password for logging on to the Oracle database

To create a RequisitePro project in Oracle:

1. In RequisitePro, click **File > New > Project**. The **Create Project** dialog box opens.
2. Select a project template.

Note: The details in the lower part of the dialog box provide an explanation as you select each template.

3. Click **OK**. The Rational RequisitePro Project Properties dialog box opens.
4. Enter a project name and directory location.
5. At the **Database** field, select **Oracle** from the list and click **Properties**. The **Database Properties** dialog box opens.
6. Click **Configure**. The **Microsoft ODBC for Oracle Setup** dialog box opens.
7. Do not modify the default entries in the **Data Source Name** and **Description** fields.
8. Type your user name for logging into the Oracle database, as provided by your Oracle database administrator. By default, the user name is **reqpro**.
9. For the **Server** field, type the alias or service name you entered when configuring your desktop for access to the Oracle database.

Note: Desktops that will access shared RequisitePro projects in the Oracle database must have this same database alias or service name.

10. Click **OK**. The **Database Properties** dialog box opens.
11. Click **Account Info**. The **Database Account Info** dialog box opens.
12. Do not modify the **User ID** field. This should match the user name you entered in the previous dialog box.
13. Type your user password for logging into the Oracle server. (Your Oracle database administrator should have supplied the password.)
14. Retype your password in the **Verify Password** field.
15. In the **Schema** field, type the name of the Oracle schema that your Oracle database administrator has established for storing RequisitePro data in Oracle.
16. Click **OK** to close the **Database Account Info** dialog box. Click **OK** to close the **Database Properties** dialog.
17. Finish creating your project, then click **OK** to close the **Project** dialog box.

Creating a project in SQL Server

Perform the following steps to create a RequisitePro project that uses SQL Server for the project database.

To configure access to SQL Server from RequisitePro, the database administrator must provide you with the following information:

- SQL Server machine name (TCP/IP Host Name)
- SQL Server default database for RequisitePro projects, such as **RequisitePro**.
- User ID for logging on to the SQL Server database, such as **ReqPro**.
- User password for logging on to the SQL Server database, such as **reqpro**.

To create a RequisitePro project in SQL Server:

1. Start RequisitePro. In RequisitePro, click **File > New > Project**. The **Create Project** dialog box opens.
2. Select a project template.

Note: The details in the lower part of the dialog box provide an explanation as you select each template.

3. Click **OK**. The **Rational RequisitePro Project Properties** dialog box opens.
4. Enter a project name and directory location.

5. At the **Database** field, select **SQL Server** from the list.
6. Click **Properties**. The **Database Properties** dialog box opens.
7. On the **Database Properties** dialog box, click **Configure**. The **Create a New Data Source to SQL Server** dialog box opens.
8. Do not modify the data source **Name** or **Description** fields. In the **Server** field, type the name of the SQL Server, supplied by your database administrator.
9. Click **Next**. The second data source screen opens.
10. Select the option **With SQL Server authentication using a login ID and password entered by the user**.

Note: RequisitePro does not support Windows NT authentication.
11. Be sure the check box **Connect to SQL Server to obtain default settings for the additional configuration options** is selected.
12. Type the login ID and password supplied by your database administrator, such as **ReqPro** and **reqpro**. Click **Next**.
13. Select the check box **Change the default database to** and select a database name supplied by your database administrator, such as **RequisitePro**. Click **Next**.
14. Click **Next** to accept the default language, character, and regional settings. The use of log files, shown on the following screen, is optional.

Note: Do not select the check box **Change the language of SQL Server system messages to...** Selecting this check box prevents users from opening the project after its initial creation.
15. Click **Finish**. The **ODBC Microsoft SQL Server Setup** dialog box opens.
16. Click **Test Data Source**. The **SQL Server ODBC Data Source Test** dialog box opens.
17. Click **OK**. The **ODBC Microsoft SQL Server Setup** dialog box opens.
18. Click **OK**. The **Database Properties** dialog box opens.
19. On the **Database Properties** dialog box, click **Account Info**. The **Database Account Info** dialog box opens.
20. Type the **User ID** and **Password**, supplied by your database administrator for accessing the SQL Server database, such as **ReqPro** and **reqpro**.
21. Retype your password in the **Verify Password** field.
22. In the **Schema** field, type the user name of the owner of the RequisitePro database tables, supplied by your database administrator, such as **ReqPro**.
23. Click **OK** to close the **Database Account Info** dialog box. Click **OK** to close the **Database Properties** dialog box.
24. Finish creating your project, then click **OK** to close the **Project** dialog box.

Creating a project in DB2

Perform the following steps to create a RequisitePro project that uses DB2 for the project database.

Use the DB2 Client Configuration Assistant tool to configure access from your client computer to the DB2 database server. If you plan to share projects with other users, be sure to use a consistent database alias, as determined by your database administrator.

To configure your access to DB2 from RequisitePro, the database administrator must provide the following information:

- DB2 database alias
- DB2 schema name for storing RequisitePro projects
- Your user ID for logging on to the DB2 database
- Your user password for logging on to the DB2 database

To create a RequisitePro project in DB2:

1. In RequisitePro, click **File** > **New** > Project. The **Create Project** dialog box opens.
2. Select a project template.

Note: The details in the lower part of the dialog box provide an explanation as you select each template.

3. Click **OK**. The Rational RequisitePro **Project Properties** dialog box opens.
4. Enter a project name and directory location.
5. At the **Database** field, select DB2 from the drop-down list and click **Properties**. The **Database Properties** dialog box opens.
6. Click **Configure**. The **Configure DB2** dialog box opens.
7. Type the DB2 database alias you entered when configuring your desktop for access to the DB2 database.

Note: Desktops that will access shared RequisitePro projects in the DB2 database must have this same database alias.

8. Click **OK**. The **Database Properties** dialog box opens.
9. Click **Account Info**. The **Database Account Info** dialog box opens.
10. Type your user name for logging into the DB2 server. (Your DB2 database administrator should have supplied the user name.)
11. Type your user password for logging into the DB2 server. (Your DB2 database administrator should have supplied the password.)
12. Retype your password in the **Verify Password** field.
13. In the **Schema** field, type the name of the DB2 schema that your DB2 database administrator has established for storing RequisitePro data in DB2.
14. Click **OK** to close the **Database Account Info** dialog box. Click **OK** to close the **Database Properties** dialog.
15. Finish creating your project, then click **OK** to close the **Project** dialog box.

Logging on to RequisiteWeb

To log on to RequisiteWeb for the first time:

1. Ask your administrator for the ReqWeb database server name and the username and password that you should use.
2. Start your Web browser, and then type the following:
`http://< server name>/ReqWeb`
where server name is the name of the database server.
3. Press Return.
The RequisiteWeb Logon page opens.
4. In the RequisiteWeb Logon page:
 - a. At **Project**, select the project from the pull-down menu.

- b. At **User** and **Password**, type the information that your administrator gave you.
- c. Click **Logon**.

Installing additional testing software

To complete the setup of your IBM Rational testing environment, install this additional software. See Table 21 for the list.

Table 21. Installing additional testing software

Done	Task
	"Installing and removing the network driver" on page 56.
	"Installing IBM Rational Test Agents" on page 58.
	"Accessing ManualTest Web" on page 59.
	"Installing the sample applets" on page 62.

Installing and removing the network driver

To record sessions over a network for performance testing, install the IBM Rational Test network driver. If you have a network driver from a previous version, remove it and install the current network driver. The following sections explain how to do this on Windows NT, XP, and 2000.

Installing the network driver on Windows NT

To install the IBM Rational Test network driver on Windows NT:

1. Install your IBM Rational testing software.
2. Click **Start** > **Settings** > **Control Panel**.
3. Double-click the **Network** icon.
4. Click **Protocols**.
5. Click **Add**.
6. Click **Have Disk**. The required files were copied to the IBM Rational directory during IBM Rational Test installation.
7. Specify one of the following file paths to install the driver.

- For Windows NT Ethernet networks, type:

C:\Program Files\Rational\Rational Test\driver

or **<installpath>\Rational\Rational Test\driver**

where installpath is the drive and path where you installed the testing software.

- For Windows NT Token Ring networks, type:

C:\Program Files\Rational\Rational Test\drivertk

or **<installpath>\Rational\Rational Test\drivertk**

where installpath is the drive and path where you installed the Rational testing software.

Note: You can install only one type of driver on your computer at a time, either Ethernet or Token Ring. Remove one type of driver before installing a new type of driver.

8. Click **OK**.
9. In the **Select OEM Option** dialog box, click **OK** again to verify the driver.
10. Click **Close**.

11. Click **Yes** to shut down Windows and restart your computer after you install the network driver.

Removing the network driver from Windows NT

If you need to switch from an Ethernet network to a Token Ring network, or the reverse, remove the driver for the unwanted network type before you install the driver for the new network type.

To remove a network driver from Windows NT:

1. Click **Start > Settings > Control Panel** and double-click the **Network** icon.
2. Click the **Services** tab.
3. Select the Rational network driver from the **Network Services** list.
 - If your current driver is from Rational Suite PerformanceStudio® 1.0 or earlier, select **PerformanceStudio Network Driver**.
 - If your current driver is from Rational Suite PerformanceStudio, 1.5 or 2000, select **RSPS Network Driver**.
4. Click **Remove**.
5. Click **Yes**.
6. When the removal is complete, click **Close**.
7. Click **Yes** to restart the computer.

When the computer restarts, install the new network driver.

Installing the network driver on Windows XP or Windows 2000

To install the Rational Test network driver on Windows XP or Windows 2000:

1. Click **Start > Settings > Network and Dialup Connections**.
2. Right-click **Local Area Connection**, and then select **Properties** from the context menu.
3. Click **Install**.
4. Click **Protocol** and click **Add**.
5. Click **Have Disk**.
6. Enter the path where the driver is located or browse for the driver. For example, type:
C:\Program Files\Rational\Rational Test\driverw2k
or < *installpath* > \Rational\Rational Test\driverw2k
where *installpath* is the drive and path where you installed the testing software.
7. Select either **Ethernet** or **Token Ring network** and click **OK**.
8. Click **Yes** to shut down Windows and restart your computer after you install the network driver.

Removing the network driver from Windows XP or Windows 2000

To remove the network driver from a Windows 2000 or a Windows XP computer:

1. Click **Start > Settings > Network and Dialup Connections**.
2. Right-click **Local Area Connection**, and select **Properties** from the context menu.
3. Select **Rational Test Network Driver 2000** from the **Network Services** list.
4. Click **Uninstall**.
5. Click **Yes** to confirm that you want to remove the driver.
6. When the removal is complete, click **Close**.

7. Click **Yes** to restart the computer.

Installing IBM Rational Test Agents

After you install and license your IBM Rational testing software on a Local computer, you have the option of installing Test Agents on other computers. The same version of IBM Rational testing software must be installed on the Local and Agent computers; otherwise, they do not work together.

Note: When projects containing Automated or Manual scripts are to be shared, create the project in a shared directory using the Uniform Naming Convention (UNC). UNC paths are required for Automated test scripts and Manual test scripts that are run on Agent computers. For more information about creating a shared directory, see the *IBM Rational Suite Administrator's Guide* or the Rational Administrator Help.

Installing a Windows Agent

Use the Rational Setup wizard to install the IBM Rational Test Agent on a Windows computer.

Starting a Windows Agent: A Windows Agent runs as an application. To start the Agent, click the executable or put it in a start group.

On Windows NT, you can run the Agent as an NT service if the Agent is only for virtual testers.

To run an Agent as an NT service:

1. Right-click the **Start** menu. Click **Open All Users**.
2. Double-click **Programs**.
3. Double-click **Startup**. If the Agent is running, exit from it.
4. Right-click the **Rational Test Agent** icon and select **Delete**.
5. If you are running the Local computer as an Agent:
 - a. Click **Start > Run**.
 - b. Type `rtpsvc -install` and click **OK**.
6. Start the Agent as an NT service:
 - a. Click **Start > Settings > Control Panel**.
 - b. Double-click **Services**.
 - c. Select **Rational Test Agent Service** from the list of services and click **Start**.
7. To start the Agent automatically when you restart your computer:
 - a. Click **Startup**.
 - b. Click **Automatic** in the **Startup Type** box and click **OK**.

Installing a UNIX Agent

To install Agent software on a UNIX or Linux computer:

1. Log on to the system as a superuser.
2. Mount the Test Agent CD using the mount command specific to your system.
For example:

```
mount -F hsfs -r /dev/cd0 /cdrom
```
3. Copy the agent to your machine's temporary directory based on your operating system type. For example:

```
cp /cdrom/solaris_agent.tar.gz /tmp
```
4. Change directory to the temporary directory.

- ```
cd /tmp
```
- Unzip the agent tar file using gzip.  
`gzip -d -n solaris_agent.tar`
  - Make a directory where the agent is to reside.  
`mkdir /usr/rational`  
`mkdir /usr/rational/test`
  - Change directory to the agent target directory.  
`cd /usr/rational/test`
  - Un-tar the agent into the target directory.  
`tar xvf /tmp/solaris_agent.tar`

**Starting a UNIX Agent:** To start a UNIX Agent:

- Set the RATL\_RTHOME environment variable to the target directory.  
`RATL_RTHOME=/usr/rational/test ; export RATL_RTHOME`
- Add the target directory to the PATH.  
`PATH=$PATH:/usr/rational/test`
- If you are on a Solaris machine only, check the content of the LD\_LIBRARY\_PATH variable (`echo $LD_LIBRARY_PATH`) and make sure that /usr/openwin/lib is included. If it is not, then add it using the following sequence:  
`LD_LIBRARY_PATH=$LD_LIBRARY_PATH:/usr/openwin/lib`  
`export LD_LIBRARY_PATH`
- Change directory to the bin subdirectory under the target directory.  
`cd /usr/rational/test/bin`
- Start the agent process.  
`./RTsagt`

## Removing a UNIX Agent

To remove the UNIX Agent:

- Find the rtprvd process and kill it using `ps -ef | grep rtprvd`.
- Kill the process:  
`kill pid`  
`rm -rf /usr/rational/test`

## Accessing ManualTest Web

After your administrator has installed and configured the ManualTest Web software on a Web server, use a Web browser to run a test case with a manual test script implementation.

### Setting up a Web browser

You can use a Web browser listed in “Desktop system and software requirements” on page 6 to run a test case. The Web browser can run on any supported operating system.

**Netscape Navigator:** To set up a Netscape Navigator browser to run a test case:

- Start Netscape Navigator.
- Click **Edit > Preferences**. Under **Category**, click **Advanced**.
- Double-click **Advanced**, and then click **Cache** to display the **Cache** panel.
- In the **Cache** panel, click **Every time**.

5. Click **OK**.

**Microsoft Internet Explorer:** To set up a Microsoft Internet Explorer browser to run a test case:

1. Start Internet Explorer.
2. Do one of the following:
  - For Internet Explorer 5.0 or later, click **Tools > Internet Options**.
  - For Internet Explorer 4.0, click **View > Internet Options**.
3. Click the **General** tab.
4. Under Temporary Internet files, click **Settings**.
5. Under **Check for newer versions of stored pages**, click **Every visit to the page**.

### Accessing ManualTest Web

1. Ask your administrator for the ManualTest Web URL.
2. Start your Web browser, and then type the following:  
`http://< server name>/<alias>`  
where the server name is the network name of the Web server, and the alias is the directory where you or your administrator installed the ManualTest Web Execution software on the Web server.

To enable others to access your manual test scripts from a Web browser, see “About shared projects.”

**About shared projects:** When you create a project, make it a shared project so others can access your manual test scripts from a Web browser. To share a project, create the project in a shared directory and use the Uniform Naming Convention (UNC) for the directory name.

For example:

`\\testweb\commontest\scripts`

**Note:** UNC paths are required for GUI test scripts that are run on Agent computers.

### Troubleshooting

This section describes some problems (and their solutions) that you may experience when running a test case from a Web browser.

**Note:** The error messages in this troubleshooting section are ManualTest Web Execution error messages, not Web browser error messages.

**Problem:** Your Rational projects do not display when you log onto a Rational project. (Type `http:// computername/alias` and log onto a Rational project.)

**Error message:** None.

**Solution:** All Web clients use the same user account to access a Rational project either on a Web server (if the project is on the Web server) or on the domain (to access shared projects on other systems in the domain).

Check the following:

- Make sure that this user account has administrator privileges to read and write into a Rational project. (Ask your administrator to check the privileges of the user account that they set up on the Web server.)
- To allow Web clients access, you must also log on to this account when you create a new Rational project or register an existing Rational project using the Administrator.

**Problem:** When you log on to a project from a Web browser, you receive an error message.

**Error message:** Unable to connect to project.

**Solution:** Make sure the Web server privileges are set correctly. Ask your administrator to check the Web server privileges. For information about setting privileges, see "Configuring a Microsoft Internet Information Server" or "Configuring a Microsoft Personal Web Server" in the *IBM Rational Server Products Installation Guide*.

**Problem:** You get an error message when you select a manual test script.

**Error message:** Error message that includes Server.ObjectCreate in the message.

**Solution:** Make sure that you or the Web server administrator installs Microsoft Internet Explorer 5.0 or later on the Web server.

**Problem:** When you type text in a dialog box and submit it, you observe erratic behavior. Alternatively, when you open a manual test script, results and comments are already filled in from the last session.

**Error message:** None.

**Solution:** Disable caching on your Web browser. For information about disabling caching, see "Setting up a Web browser" on page 59.

**Problem:** After you connect to the Web server, a Login dialog box opens. In the Login dialog box, the project select list is empty.

**Error message:** None.

**Solution:** Create a project and create manual test scripts, or register an existing project that contains manual test scripts.

To create a project or register an existing project:

1. Do one of the following:
  - For Microsoft Internet Information Server, log on to the user account of the virtual directory that your administrator configured to run a test case. For information, see "Configuring a Microsoft Internet Information Server" in the *IBM Rational Server Products Installation Guide*.
  - For Microsoft Personal Web Server, log on to the user account that the Web server runs under. For information, see "Configuring a Microsoft Personal Web Server" in the *IBM Rational Server Products Installation Guide*.
2. Start the IBM Rational Administrator (installed with RequisitePro, Robot, SQL Anywhere, TestFactory®, TestManager, and Rational Suite editions) and create a

new project, or register an existing project. For information about creating or registering a project, see the *IBM Rational Suite Administrator's Guide* or the Rational Administrator online Help.

3. If you create or register a shared project, make sure that the privileges for the project directory are set for the virtual directory user account for IIS or for the user account that the Web server runs under for PWS.
4. Restart the Web server.

## Installing the sample applets

You can install sample applets for Java, HTML, Oracle Forms, PowerBuilder, and Visual basic development environments.

To install the sample applets:

1. Install Robot, TeamTest, TestStudio, or EnterpriseStudio.

**Note:** You cannot install the IBM Rational sample applets if your only installed IBM Rational testing product is TestManager.

2. Click **Start > Programs > Rational Software > Rational** *<product name>* **Rational Test > Set Up Rational Test Samples.**
3. Select the sample applets that you want to install:
  - HTML Sample
  - Java Sample
  - Visual Basic Sample
  - PowerBuilder Sample
  - Oracle Sample
4. Click **Next.**
5. Click **Finish.**

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## Chapter 4. Removing IBM Rational products

This chapter describes how to remove IBM Rational products from your desktop. To remove IBM Rational server products, see the *IBM Rational Server Products Installation Guide*.

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### Before you remove IBM Rational software

This section provides general requirements for removing IBM Rational desktop products. It also describes which components the Setup Wizard does or does not remove from the computer.

- If you plan to move the application to another system, first return the license key file to your account. To return a node-locked or floating license key, use AccountLink (<http://www.ibm.com/software/rational/support/licensing/>), the online license management tool. For more information about moving licenses or returning licenses, see the *IBM Rational Software License Management Guide*.
- Removing an IBM Rational product does not delete the license key file, project databases, and other files that you created while using the product. If you plan to install an upgrade of the product to a different drive or use a new installation path, back up these files and manually remove them. If you do not remove them, the Setup program may find these files and install the application in the old location instead of the new location.
- Before removing the IBM Rational products (including the IBM Rational license server) from clients, record the specified license server host names in the License Key Administrator (LKAD).
  1. Launch the LKAD from **Start > Programs > Rational Software > Rational License Key Administrator**.
  2. Find the host names in **Settings > Client/Server Configuration**.
  3. After you install the new IBM Rational products, reset the license server name in the (LKAD). The LKAD Wizard should launch after the installation. If the Wizard does not launch, use **Start > Programs > Rational Software > Rational License Key Administrator**.
- To remove IBM Rational products from a Windows NT, 2000, 2003, or XP system, you must have Windows administrator privileges on the local system.
- Make sure that no one is using the application or any associated files. You cannot remove files that are in use.

### Removing IBM Rational software

Use the Windows **Add or Remove Programs** control panel to select and remove the product. Click **Start > Settings > Control Panel > Add or Remove Programs**. Select the product and click **Remove**.

### Removing the RUP Modeler

Use the Windows **Add/Remove Programs** control panel to remove the software. Then browse to the location where you installed the RUP Modeler. The default location is C:\Program Files\Rational\RUPModeler. If a folder titled RUPModeler still resides in the IBM Rational directory, delete the entire folder.



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## Appendix. Notices

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