

SeeBeyond™ eBusiness Integration Suite

e*Gate Integrator Installation Guide

Release 4.5.2



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Introduction

This chapter introduces you to the *e*Gate Integrator Installation Guide*, its general purpose and scope, and its organization. It also provides sources of related documentation and information.

1.1 User's Guide Purpose and Scope

This user's guide describes the procedures necessary to install the SeeBeyond Technology Corporation™ (SeeBeyond™) e*Gate product suite from the e*Gate installation CD-ROMs.

Note: *The number of CD-ROMs you receive will depend upon what you order. Use CD-ROM 1 to install the e*Gate Registry Host and Participating Host, use CD-ROM 2 to install the GUI, use CD-ROM 3 to install the add-ons (except for the UN/EDIFACT ETD, X12 ETD, and xCBL ETD V30r2 libraries), and use CD-ROM 4 to install the e*Xchange Partner Manager and e*Insight Business Process Manager. If you ordered the UN/EDIFACT ETD and/or X12 ETD libraries, they are contained on an additional two CD-ROMs each, and the xCBL ETD V30r2 library is on another CD-ROM. For information on installing e*Xchange Partner Manager, see the **e*Xchange™ Partner Manager Installation Guide**, and for information on installing e*Insight Business Process Manager, see the **e*Insight™ Business Process Manager Installation Guide**.*

After the product is installed, you must customize it to execute your site-specific business logic and to interact with your other systems as required. The steps necessary to perform those operations are discussed in the e*Gate documentation set and online Help systems.

1.2 Intended Audience

The reader of this guide is presumed to have the following responsibilities and possess these skill sets:

- A developer or system administrator with responsibility for maintaining the e*Gate system.

- Moderate to advanced level knowledge of Windows and UNIX operations and administration.
- Thoroughly familiar with Windows-style GUI operations.
- Moderate to advanced level knowledge of OS/390, MVS and UNIX System Services (USS)

1.3 Organization of Information

This document is organized topically as follows:

- **Chapter 1 "Introduction"** gives a general preview of this document, its purpose, scope, and organization.
- **Chapter 2 "Overview of Installation"** gives you an overview of the installation process.
- **Chapter 3 "Installation Instructions for Windows"** provides instructions on how to install e*Gate on Windows NT and Windows 2000 systems.
- **Chapter 4 "Installation Instructions for UNIX"** provides instructions on how to install e*Gate on a UNIX system.
- **Chapter 5 "Installation Instructions for Linux"** provides instructions on how to install e*Gate on a UNIX system.
- **Chapter 6 "Installation Instructions for OS/390"** provides instructions on how to install e*Gate on an OS/390 system.
- **Chapter 7 "Troubleshooting"** describes issues that may arise during the installation process and provides tips and solutions to resolve these issues.
- **Chapter 8 "Frequently Asked Questions"** lists some common questions that may be encountered during installation and the answers to those questions.
- **Appendix A "UNIX Patches"** lists all the UNIX patches for release 4.5.2.

1.4 Writing Conventions

The writing conventions listed in this section are observed throughout this document.

Hypertext Links

When you are using this guide online, cross-references are also hypertext links and appear in **blue text** as shown below. Click the **blue text** to jump to the section.

For information on these and related topics, see **"Parameter, Function, and Command Names" on page 12**.

Command Line

Text to be typed at the command line is displayed in a special font as shown below.

```
java -jar ValidationBuilder.jar
```

Variables within a command line are set in the same font and bold italic as shown below.

```
stcregutil -rh host-name -rs schema-name -un user-name  
-up password -ef output-directory
```

Code and Samples

Computer code and samples (including printouts) on a separate line or lines are set in Courier as shown below.

```
Configuration for BOB_Promotion
```

However, when these elements (or portions of them) or variables representing several possible elements appear within ordinary text, they are set in *italics* as shown below.

path and *file-name* are the path and file name specified as arguments to **-fr** in the **stcregutil** command line.

Notes and Cautions

Points of particular interest or significance to the reader are introduced with *Note*, *Caution*, or *Important*, and the text is displayed in *italics*, for example:

Note: *The Actions menu is only available when a Properties window is displayed.*

User Input

The names of items in the user interface such as icons or buttons that you click or select appear in **bold** as shown below.

Click **Apply** to save, or **OK** to save and close.

File Names and Paths

When names of files are given in the text, they appear in **bold** as shown below.

Use a text editor to open the **ValidationBuilder.properties** file.

When file paths and drive designations are used, with or without the file name, they appear in **bold** as shown below.

In the **Open** field, type **D:\setup\setup.exe** where **D:** is your CD-ROM drive.

Parameter, Function, and Command Names

When names of parameters, functions, and commands are given in the body of the text, they appear in **bold** as follows:

The default parameter **localhost** is normally only used for testing.

The Monk function **iq-put** places an Event into an IQ.

You can use the **stccb** utility to start the Control Broker.

Additional Conventions

Windows Systems: The e*Gate system is fully compliant with both Windows NT and Windows 2000 platforms. When this document refers to Windows, such statements apply to both Windows platforms.

UNIX and Linux Systems: This guide uses the backslash (“\”) as the separator within path names. If you are working on a UNIX or Linux system, please make the appropriate substitutions.

Note: *The e*Gate system is fully compatible with Compaq Tru64 Version 4.0F, 5.0A, and 5.1A.*

1.5 Supporting Documents

The following SeeBeyond documents provide additional information about the e*Gate Integrator system as explained in this guide:

- *Creating an End-to-end Scenario with e*Gate Integrator*
- *e*Gate Integrator Alert Agent User’s Guide*
- *e*Gate Integrator Alert and Log File Reference Guide*
- *e*Gate Integrator Collaboration Services Reference Guide*
- *e*Gate Integrator Intelligent Queue Services Reference Guide*
- *e*Gate Integrator SNMP Agent User’s Guide*
- *e*Gate Integrator System Administration and Operations Guide*
- *e*Gate Integrator User’s Guide*
- *e*Insight Business Process Manager Implementation Guide*
- *e*Insight Business Process Manager User’s Guide*
- *e*Xchange Partner Manager Implementation Guide*
- *e*Xchange Partner Manager Installation Guide*
- *e*Xchange Partner Manager User’s Guide*
- *Monk Developer’s Reference*
- *SeeBeyond eBusiness Integration Suite Deployment Guide*
- *SeeBeyond eBusiness Integration Suite Primer*
- *Standard e*Way Intelligent Adapters User’s Guide*
- *UN/EDIFACT ETD Library User’s Guide*
- *Working with Collaboration IDs*
- *X12 ETD Library User’s Guide*
- *XML Toolkit*

See the *SeeBeyond eBusiness Integration Suite Primer* for a complete list of e*Gate-related documentation. You can also refer to the appropriate Microsoft Windows or UNIX documents, if necessary.

Note: *For information on how to use a specific add-on product (for example, an e*Way Intelligent Adapter), see the user's guide for that product.*

1.6 SeeBeyond Web Site

The SeeBeyond Web site is your best source for up-to-the-minute product news and technical support information. The site's URL is:

<http://www.SeeBeyond.com/>

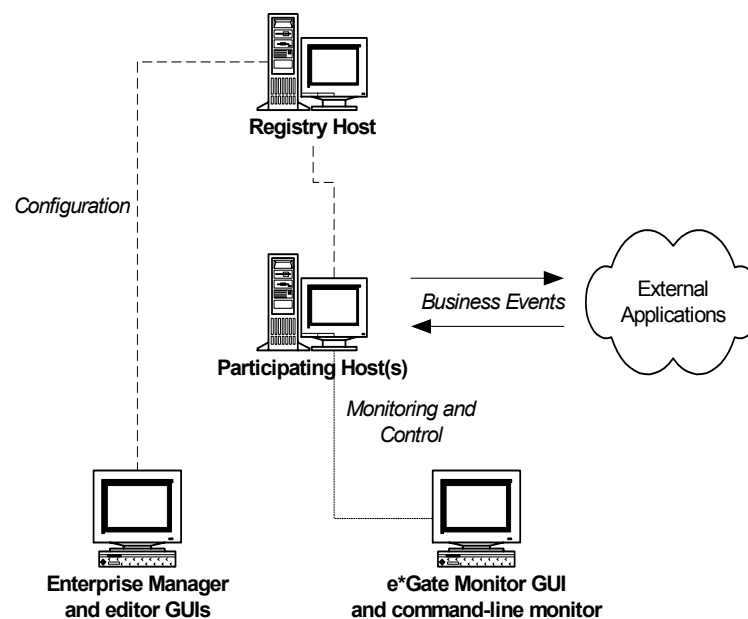
Overview of Installation

This chapter gives you an overview of the installation process.

2.1 Overview of the Installation Process

The installation process is divided into phases, each of which installs one of the major e*Gate components (shown in the Figure 1):

Figure 1 e*Gate components: Overview



Phase one installs the **Registry Host**: the Registry daemon/service, associated utility applications, and the e*Gate Registry's file repository. The Registry maintains separate executable files and libraries for each operating system that supports its Participating Host(s), which are installed in the next phase.

Phase two installs the **Participating Host**: the Control Broker daemon/service, associated utility applications, and other executable files that handle the processing, translation, and transport of data within the e*Gate system. The basic Participating Host installation also includes the components necessary to do basic communication

between the e*Gate system and external systems. To do any communications above the most basic level, you will need to install add-on components, which are installed in phase four. You may install the Registry Host components and the Participating Host components on the same system, however, a single Registry Host can provide services for multiple Participating Hosts.

Phase three installs the e*Gate **GUIs**: the Enterprise Manager, which enables you to configure the e*Gate system; the e*Gate Monitor, which enables you to monitor and control processes running on Participating Hosts; and various editors for configuring a range of e*Gate components. You must install the e*Gate GUIs on a Windows system.

Phase four installs the **add-on** components: depending on your installation, these can include e*Way adapters for communication with specific external systems or alerting agents that increase your ability to monitor e*Gate operations.

2.1.1 System Requirements

The specific chapters for each platform list the system requirements for that platform. See the appropriate chapters for each system's requirements.

*Be sure to read the **Readme.txt** file on the e*Gate installation CD-ROM for additional information.*

2.1.2 Order of Installation

If you are installing all e*Gate components on the same machine (including installing upgrades to existing installations), you must always install the Registry Host components *first*. Otherwise, you can specify another host where the Registry is already installed.

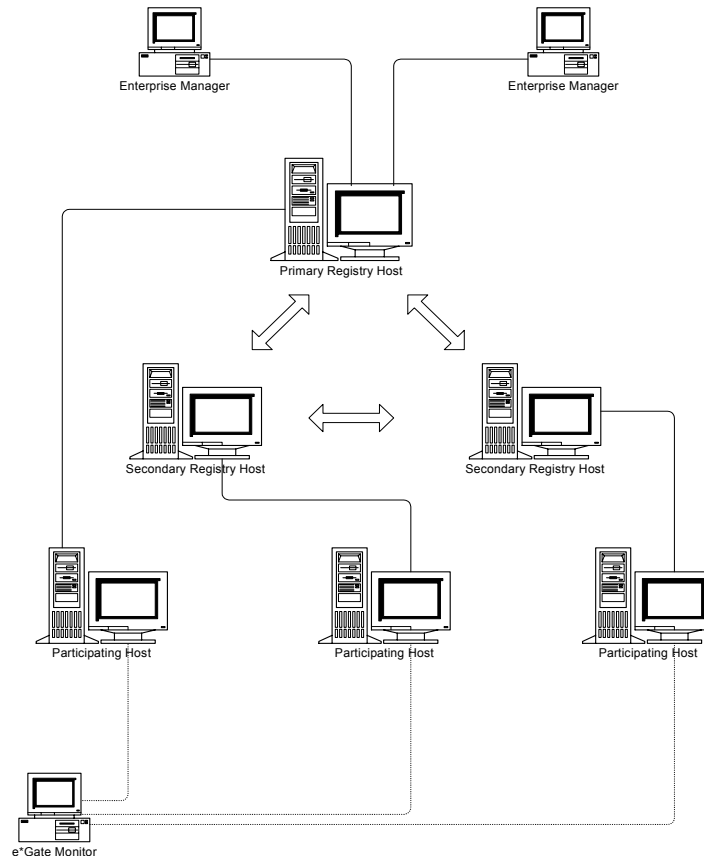
Important: *You must install e*Gate components in the order in which they appear on CD-ROM 1, CD-ROM 2, CD-ROM 3, and if required CD-ROM 4. Do not attempt to install the components located on CD-ROM 2, CD-ROM 3, and if required CD-ROM 4 before installing the components on CD-ROM 1.*

If ordered, the UN/EDIFACT ETD and X12 ETD libraries are located on an additional four CD-ROMs.

2.1.3 The Distributed Registry

Figure 1 on page 15 illustrates the simplest e*Gate installation with a single Registry Host. You may also choose a distributed Registry configuration, in which Registry services are provided by more than one system (as shown in Figure 2).

Figure 2 A distributed Registry configuration



In a distributed Registry, the primary Registry Host contains the master copy of the Registry, which is automatically distributed to any secondary Registry Hosts. Participating Hosts can obtain the same configuration information from any Registry Host (primary or secondary).

If you want to set up a distributed Registry, you must decide which host will be the primary Registry Host; all others will be secondary Registry Hosts. You must also decide the order of Registry Hosts from which Control Brokers will seek their configuration information on startup. The installation process will prompt you at the appropriate time for this information. For more complex configurations, please consult SeeBeyond technical support.

Note: For more information about the Distributed Registry, see the *e*Gate Integrator System Administration and Operations Guide*, which is available on CD-ROM 2 (\docs\System_Administration_Guide.pdf).

2.1.4 e*Gate Host Names and User Names

e*Gate maintains its own list of host names and user names; it does not poll the operating system or network to obtain or validate user names or host names. To simplify system administration, we recommend that you use your current naming conventions for host and user names, and that you make e*Gate host/user names identical to the corresponding host/user names on your existing systems.

e*Gate host and user names (as well as passwords) are case sensitive, even on Windows systems. Names can be up to 56 characters in length; valid characters include all letters and numbers, dashes, and underscores. Periods, spaces, and other punctuation are not valid characters for any e*Gate user or component name.

Note: For more information on passwords, see the *e*Gate Integrator System Administration and Operations Guide*.

Default “Administrator” user name

The default “Administrator” user name and password are stored in the files **Readme.txt** and **Readme.htm** on the root directory of Disc 1 of the e*Gate installation CD-ROM.

Note: For additional information on the Administrator, see the *e*Gate Integrator System Administration and Operations Guide*.

2.1.5 Schema and Schema Names

An e*Gate *schema* is a namespace in which e*Gate organizes configuration information. During the Participating Host installation, you will be prompted for the name of the schema that the host you are installing will support. You can select any name you like (the default is “MySchema”), but you cannot rename a schema once it has been created. You can, however, create a new schema and modify the Participating Host to support the new schema; see the *e*Gate Integrator System Administration and Operations Guide* for more information.

Schema names can be up to 56 characters and can contain letters, numbers, underscores, and dashes. Spaces and other punctuation are not valid characters for schema names.

2.1.6 Directory Structure

Refer to the *e*Gate Integrator System Administration and Operations Guide* for a complete listing of the e*Gate client/server directory and subdirectory structure.

2.2 Preparing for Installation

The following sections list important information.

2.2.1 What Must Be Determined Prior to Installing e*Gate

Before you install e*Gate, you must determine the following:

- 1 Select the system that serves as the Registry Host or, if you are installing a Distributed Registry, the system that acts as the primary Registry Host.
- 2 If you are installing a Distributed Registry, select the system(s) that will serve as secondary Registry Hosts.
- 3 Select the system(s) that will serve as Participating Hosts. It is possible for the same system to serve both as a Registry and a Participating Host. Whether you decide to do this depends on the requirements of your installation; contact SeeBeyond technical support if you need assistance making this determination.

Note: Do not install a Participating Host if you are going to use Registry Replication.

- 4 Select the system(s) that will have the e*Gate GUIs installed. The e*Gate GUIs only run on Windows systems.
- 5 Determine which add-on applications you will require.

Be sure that each system that you select meets e*Gate's system requirements; see the Windows and UNIX installation chapters for more information.

2.2.2 Information Required Before Installing e*Gate

You must have the following information at hand before you start the installation process:

- 1 The default e*Gate "Administrator" password for Windows installations (see ["Default "Administrator" user name" on page 18](#)) and for UNIX installations, the root password for the operating system.

Note: For additional information on the Administrator and passwords, see the *e*Gate Integrator System Administration and Operations Guide*.

- 2 The name of each system that will become a Registry or Participating Host (see ["e*Gate Host Names and User Names" on page 18](#)).
- 3 The name of the schema that the Participating Host will support (see ["Schema and Schema Names" on page 18](#)).

The installation process will prompt you for the directory in which to install each e*Gate component. Although you are free to select any drive or partition, we *strongly* recommend that you do not change the recommended default directory names.

2.2.3 Backing Up Existing Schema Information

When upgrading e*Gate, it is recommended you back up your existing schema information prior to the installation as follows:

- 1 Log on to the e*Gate Enterprise Manager and open the schema you want to export.

Important: *The e*Gate Registry must be running before you (or the installation utility) can back up any existing schemas.*

- 2 Export your schema—including your **monk_scripts**, **monk_library**, and configuration files—using the Enterprise Manager export feature.

Note: *See the e*Gate Integrator System Administration and Operations Guide for step-by-step instructions on how to use the Enterprise Manager export feature.*

In e*Gate release 4.5.1 and later, all export files are full schema **.zip** files and not **.exp** files (as they were in previous versions of e*Gate). After completing the export process, the component definitions for the current schema are exported to an archive file. For example:

C:\eGate\client\schema_two_archive.zip

- 3 Perform the program upgrade.
- 4 To import a schema, log on to the e*Gate Enterprise Manager and open the schema into which you want to import the schema definitions and files.
- 5 Use the Import Wizard GUI to import the schema and its associated files into the current schema.

Note: *See the e*Gate Integrator System Administration and Operations Guide for step-by-step instructions on how to use the Enterprise Manager import feature.*

The Import Wizard allows you to change the host, Control Broker, or IQ Manager name, as well as change the port numbers, during the import procedure.

Note: *If importing an .exp file, you must resubmit all the supporting files to the Sandbox after the import.*

2.2.4 Upgrading from e*Gate Release 4.1.2 to e*Gate Release 4.5.2

Do not mix components from e*Gate release 4.1.2 with e*Gate release 4.5 components. When you upgrade to e*Gate release 4.5, all the components on your system must be upgraded to release 4.5. For example: You cannot upgrade your Registry Host, Participating Host, and add-ons to release 4.5.2, while retaining your GUI from release 4.1.2 (even if the GUI is installed on another box).

Important: *Ensure that no e*Gate components, including e*Ways, BOBs, or IQ Managers, are running when you perform an upgrade.*

Installation Instructions for Windows

This chapter provides instructions on how to install e*Gate on Windows NT and Windows 2000 systems. If you have any questions or problems, please contact SeeBeyond's technical support group at (800) 798-0447. For online support, contact us at <http://www.seebeyond.com> and select **SERVICES** and then **SUPPORT SERVICES**.

3.1 Overview

Before installing e*Gate on your Windows system, please read the following sections to ensure a smooth and error-free installation.

Note: You must have Administrator privileges to successfully install e*Gate.

3.1.1 System Requirements

The **Readme.txt** file on the e*Gate installation CD-ROM contains the most up-to-date operating system requirements for the supported platforms. The requirements listed below are in addition to the operating system requirements.

e*Gate is available on the following operating systems:

- Windows 2000, Windows 2000 SP1, and Windows 2000 SP2
- Windows 2000 (Japanese), Windows 2000 SP1 (Japanese), and Windows 2000 SP2 (Japanese)
- Windows 2000 (Korean), Windows 2000 SP1 (Korean), and Windows 2000 SP2 (Korean)
- Traditional Chinese (BIG5) Windows 2000 or Windows NT 4.0

Note: If Chinese Windows NT 4.0 is installed, the Windows NT Optional Pack must also be installed.

- Windows NT 4.0 SP6a
- Windows NT 4.0 SP6a (Japanese)
- Windows NT 4.0 SP6a (Korean)
- Windows NT 4.0 SP6a (Chinese)

To use e*Gate, as a minimum you should have the following:

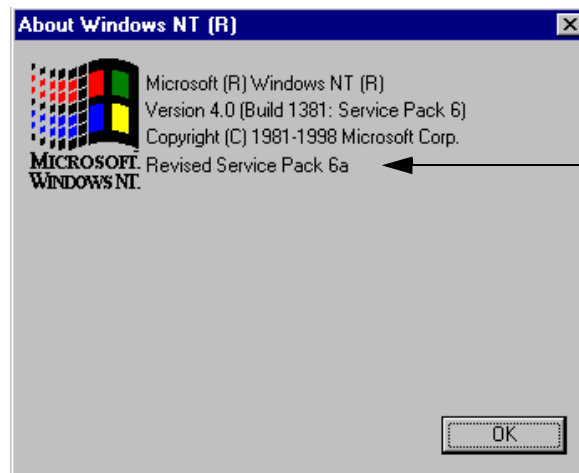
- An e*Gate Participating Host, version 4.5 or later.
- A TCP/IP network connection.
- 512 MB RAM (minimum).
- 20 GB free disk space for executable, configuration, library, and script files.
- CPU: minimum 700 MHz; dual (or multi) CPUs recommended for best performance.

Note: For accurate sizing of a test or production system, consult “Determining Hardware Requirements” in the *SeeBeyond eBusiness Integration Suite Deployment Guide (Deployment_Guide.pdf)*.

To confirm that Windows NT 4.0 SP6a is installed

- 1 At the command prompt, type **Winver**.
- 2 The **About Windows NT (R)** window appears (this is the same window that appears when you choose **Help** on the menu bar and click **About Windows NT** with Microsoft Explorer open). However, by using the command prompt, a line with **Revised Service Pack** displays on the window with the correct version listed.

Figure 3 About Windows NT (R) Window



External System Requirements

- Internet Explorer 5.0 or later is required for the e*Gate GUI to work properly. *Internet Explorer 5.00.2314.1003 (and earlier) caused an error during the installation. Upgrading to Internet Explorer 5.50.4522.1800 resolved the problem.*
- Java Runtime Environment (JRE) 1.3.1, which is supplied with the e*Gate installation. Depending upon the language that is selected during the installation, e*Gate automatically installs the correct version of JRE.

- The partial OEM version of Exceed 6.1, which is supplied with the e*Gate installation (required for the GUIs).

Note: *If the partial OEM version of Exceed 6.1 is not on your system, you will be asked to install it.*

- For information on Oracle and Sybase requirements, see the *e*Gate Integrator Intelligent Queue Services Reference Guide*.

Installing on a totally clean NT box

If you intend to install e*Gate onto a totally clean NT box (that is, a machine without any Microsoft Office software packages installed), you must first download the MDAC patch from Microsoft. If you do not perform the download, the installation of the SeeBeyond Editors (MSI Installer) will fail.

Download the patch from:

http://www.microsoft.com/data/download_250rtm.htm

Windows NT 4.0/Windows 2000 for GUI only

- Windows 2000, Windows 2000 SP1, and Windows 2000 SP2
- Windows 2000 (Japanese), Windows 2000 SP1 (Japanese), and Windows 2000 SP2 (Japanese)
- Windows 2000 (Korean), Windows 2000 SP1 (Korean), and Windows 2000 SP2 (Korean)
- Traditional Chinese (BIG5) Windows 2000
- Windows NT 4.0 SP6a
- Windows NT 4.0 SP6a (Japanese)
- Windows NT 4.0 SP6a (Korean)
- Windows NT 4.0 SP6a (Chinese)

To use e*Gate, as a minimum you should have the following:

- 256 MB RAM (minimum)
- 4 GB disk space
- CPU: minimum 700 MHz; dual (or multi) CPUs recommended for best performance.

Note: *For accurate sizing of a test or production system, consult “Determining Hardware Requirements” in the *SeeBeyond eBusiness Integration Suite Deployment Guide (Deployment_Guide.pdf)*.*

- Internet Explorer 5.0 or later is required for the e*Gate GUI to work properly. *Internet Explorer 5.00.2314.1003 (and earlier) caused an error during the installation. Upgrading to Internet Explorer 5.50.4522.1800 resolved the problem.*

Required Windows Scripts

For the e*Gate Java ETD Editor and e*Gate Collaboration Editor to run properly, do not disable the following keys in the Windows Registry:

- HKEY_CLASSES_ROOT\Scripting.FileSystemObject
- HKEY_CLASSES_ROOT\WScript.Shell
- HKEY_LOCAL_MACHINE\SOFTWARE\Classes\Scripting.FileSystemObject

Note: *If these scripts are disabled, the user may receive error messages, such as “Password is not defined.”*

Conferring Sufficient Privileges on Members of the Power Users Group

If a member of the Power Users group is required to do any of the following, they must have full Registry control on the HKEY_LOCAL_MACHINE hive:

- Run the “eGate Service Installer (JINTEGRA).”
- Run all installations, including e*Gate.
- Run the ETD Editor and the Collaboration Rules Editor.

An authorized person in MIS can use the HKEY_LOCAL_MACHINE hive in the Windows Registry to confer Administrator privileges for the Power User.

3.1.2 Disk Space Requirements

These disk space requirements are recommendations only, and may not be exact for your system. Also, they can differ, depending upon which version of e*Gate you are running.

RegistryHost	80 MB (when supporting Windows only) 310 MB (when supporting all platforms)
Participating Host	60 MB
GUI and documentation	330 MB
OEM Exceed 6.1	40 MB
e*Insight	95 MB
e*Xchange	140 MB
Add-ons	Varies

The easiest way to determine space requirements is during the installation. Clicking on a selected add-on allows you to see the required amount of space that add-on requires. e*Ways can range between 3 and 10 MB in size, and Event Type libraries can range between 1 and 100 MB or larger in size.

You can also determine individual add-on size requirements by reading the **Stcaddon.ini** file, which is located in the **\setup\addon** directory on the Installation Guide CD-ROM 2. Most likely this would only occur if you later determine that you

need to add a component and want to check space requirements before beginning the installation process.

Note: *The disk space requirement listed for the Participating Host does not include space for the IQs and log files that are created by the user as e*Ways and BOBs are executed.*

3.2 Pre-installation

Exit from all Windows programs prior to running the setup.

You need Administrator privileges to install e*Gate.

3.2.1 Uninstalling e*Gate

If you need to do a complete uninstall of e*Gate, make sure you stop the e*Gate Installer service and the e*Gate Control Broker service (if it is running as a service), as well as any other services that are running. If you only want to do a partial uninstall, you only need to stop the services that are related to the component that you are uninstalling.

Important: *The e*Gate Registry service must be running if you wish to back up any existing schema.*

To access Windows services

- 1 Click **Start**.
- 2 Point to **Settings** and then click **Control Panel**.
- 3 Choose **Services**.

Note: *If you are using Windows 2000 Professional, you cannot access **Services** directly from the Control Panel—you must go into **Administrative Tools**, then select **Services**.*

- 4 Select the service to stop and click **Stop**.

Note: *Windows 2000 Professional does not have a **Stop** option. Instead, right-click the service and the click **Stop** or choose **Action** and then **Stop** from the menu bar.*

- 5 Repeat step 4 until all e*Gate services are stopped.

To uninstall e*Gate

- 1 Click **Start**.
- 2 Point to **Settings** and then click **Control Panel**.
- 3 Choose **Add/Remove Programs**.

- 4 Select the e*Gate module to uninstall and click **Add/Remove**.

Note: *Windows 2000 Professional does not have the **Add/Remove** option. Instead, click **Change/Remove** and then **Yes**.*

- 5 Click **OK** when the uninstall has completed.
- 6 Repeat step 4 until all e*Gate modules are removed.

Note: *Note: Do not forget to remove **SeeBeyond Editors** if they were previously installed on your system. Click **Remove** and then **Yes**.*

- 7 Reboot the machine.

Note: *If any e*Gate components are not uninstalled automatically, use Windows Explorer to remove the files (such as **egate.properties** or **.egate.store**).*

3.2.2 Pre-installation check for Exceed

e*Gate requires a partial (OEM) version of Exceed for optimal performance (the full version does not provide the same performance for certain e*Gate editors as the partial version does). Answer the questions below to determine whether you need to do any other steps in preparation for the e*Gate GUI installation.

1 Do you have any versions of Exceed installed?

If you are not sure whether you have Exceed installed, search your system for a file called **exceed.exe**. If you have this file in any directory, you have a version of Exceed installed.

- ♦ **No version of Exceed installed:** You are ready to proceed to the installation. Skip the rest of these questions; you are ready to install e*Gate.
- ♦ **At least one version of Exceed installed:** Continue with the next question.

2 Do you have the full version of Exceed?

If you are not sure whether you have the full version, use Windows Explorer to navigate to the Exceed directory. It is usually named **Exceed.nt**, **Exceed**, or some similar name, and it can usually be found under "Program Files." Once you find the Exceed directory, look for a file called **x.exe**. If you find this file, you have the *partial* version of Exceed.

Be sure to check in every Exceed directory (some users may have more than one version installed).

- ♦ **Only the partial version:** If you are upgrading a release prior to e*Gate 4.1.2, we recommend that you uninstall this version of Exceed if at all possible. When you are prompted during the GUI installation, install Exceed in a directory with a unique name, such as **Exceed-eGate**. Skip the rest of these questions; you are ready to install e*Gate.
 - ♦ If you have e*Gate 4.1.2 and are upgrading to 4.5, you do not need to uninstall the partial version of Exceed.

- ♦ If you have e*Gate 4.5 or later and are upgrading to 4.5.2, you do not need to uninstall the partial version of Exceed.
- ♦ **Only the full version:** Proceed to the next question.
- ♦ **Two versions (both full and partial):** We recommend that you uninstall the partial version of Exceed if at all possible. Proceed to the next question.

3 Is your full version of Exceed earlier than 6.1?

- ♦ **Earlier than 6.1:** If you were planning on upgrading this version of Exceed to 6.1, we recommend that you exit the installation and upgrade now. Upgrading Exceed after you install e*Gate will require some extra work (see **“If you upgrade Exceed after you install e*Gate” on page 27**). When you are prompted during the GUI installation, install Exceed in a directory with a unique name, such as **Exceed-eGate**. *Be sure that you do not install the e*Gate (partial) version of Exceed in the same directory as your full version.* You are ready to install e*Gate.
- ♦ **6.1 or later:** You are ready to install e*Gate. When you are prompted during the GUI installation, install Exceed in a directory with a unique name, such as **Exceed-eGate**. *Be sure that you do not install the e*Gate (partial) version of Exceed in the same directory as your full version.* You are ready to install e*Gate.

If you upgrade Exceed after you install e*Gate

If you upgrade a full version of Exceed to 6.1 after you install e*Gate, you must reinstall the partial version of Exceed supplied with e*Gate to insure the best performance of the e*Gate X-GUI Editors.

The installation program **setup.exe** is found on the e*Gate CD-ROM 2 in the directory:

/setup/gui/exceed/

Caution: *Be sure that you **never** install a partial version of Exceed in the same directory as a full version of Exceed. We recommend that you install the partial version of Exceed in a directory with a unique name, such as **Exceed-eGate**, to distinguish it from your full version.*

3.2.3 Default User Names and Passwords

e*Gate’s default “Administrator” user name and password are found in the **Readme.txt** file in the root directory of the installation CD-ROM.

Note: *For additional information on the Administrator and passwords, see the **e*Gate Integrator System Administration and Operations Guide**.*

3.2.4 Prior to Installing e*Gate Release 4.5.2

To insure that you have a smooth e*Gate release 4.5.2 GUI installation, make sure that there are no **jrew** running in your Task Manager prior to beginning the installation.

Note: *If there is a **jrew** running (for example: **jrew.exe**), you will receive an e*Gate GUI error message during the installation of the GUI (“An error occurred during the move data process: -132”). To fix the problem, using the Task Manager, right-click on the **jrew**, choose **End Process**, and then return to the GUI installation.*

3.3 Using the Master Installation Wizard

You can install the entire e*Gate suite, or selected components, using a “master” installation wizard. The setup applications are based upon InstallShield® Wizards, which are very easy to use.

Note: *We presume that the reader is familiar with InstallShield’s **Back**, **Next**, **Cancel**, **Yes**, **No**, and **Finish** buttons. In each dialog box, select the appropriate button as you finish entering required information.*

Important Java 2 SDK v 1.3.1_02 information

Java™ 2 SDK Version 1.3.1_02 for Windows (which is sometimes referred to as JDK 1.3.1_02—do not confuse this term with JRE 1.3.x) is required to use the SeeBeyond Java Editors. It is installed as part of the e*Gate GUI installation. If the Java 2 SDK is not installed, you will not be able to use the new GUIs to create Collaborations and Event Type Definitions.

If you need to download Java 2 SDK Standard Edition Version 1.3.1_02 after e*Gate has been installed, go to the following source:

<http://java.sun.com/j2se/>

Note: *After installing Java 2 SDK 1.3.1_02, set your path so that its **bin** directory is prepended to your current path.*

For example: If the Java 2 SDK 1.3.1_02 were installed in folder

X:\jdk1.3.1_02

you would need to run the following command:

set PATH=X:\jdk1.3.1_02\bin\;%PATH%

Note: *SeeBeyond supports Java 2 SDK 1.3.1_02. Because this is third party software, SeeBeyond cannot certify all versions of the software that become available on the Sun Web site.*

To launch the wizard that installs the entire e*Gate product suite

- 1 If you are installing the e*Gate suite using the “master installation” wizard, the installation launches automatically when you insert CD-ROM 1 into the CD-ROM drive. Otherwise, do the following:

Open the **Setup** folder of the e*Gate CD-ROM 1.

Important: *The e*Gate suite of products can be delivered on as many as nine installation CD-ROMs; the GUI is on the second CD-ROM and the add-ons are on the third CD-ROM.*



- 2 Double-click the **Setup** icon.
- 3 Follow the on-screen prompts to navigate through the introductory screens and to accept the license agreement.
- 4 When the **User Information** dialog box appears, type your name and company name, and then click **Next**.
- 5 The **Please choose the product to install** dialog box appears. Select **e*Gate Integrator** and click **Next**. (The e*Xchange Partner Manager installation is discussed in the *e*Xchange Partner Manager Installation Guide* and the e*Insight Business Process Manager is discussed in the *e*Insight Business Process Manager Installation Guide*.)
- 6 The **Please choose the product to install** dialog box remains open. Two components are selected: **Registry Host** and **Participating Host**. Depending upon what you are installing, you can clear a check box to remove a component from the installation. See **“Overview of the Installation Process” on page 15** for more information about the installation. When ready to proceed, click **Next**.

Important: *If you are going to use Registry Replication, you must clear the **Participating Host** check box. See **step 5**, which discusses the **Choose registry setup type** dialog box options.*

- 7 The **Check Setup Information** window appears. Click **Next** to confirm your setup selections. In a moment, the first component install wizard launches. See the appropriate section in this manual for additional assistance with the individual component wizards:
 - ♦ **“Installing the Registry Host” on page 31**
 - ♦ **“Installing the Participating Host” on page 35**
 - ♦ **“Installing the GUI” on page 38**
 - ♦ **“Installing the Add-ons” on page 41**

Note: *When you install the entire e*Gate suite, the install wizard will not prompt you to insert the next CD-ROM (for example: CD-ROM 2 if you are about to install the e*Gate GUI) prior to continuing the installation.*

Important: *If you choose to restart your computer when prompted by the installation procedure, you will need to insert the next CD-ROM into the CD-ROM drive before continuing with the installation.*

3.4 Launching Individual Installation Applications

The installation applications for each of the phases of the e*Gate installation are contained in separate folders within the `\setup` directory of the installation CD-ROM. A separate “master installation” wizard installs the entire e*Gate product suite.

3.4.1 Overview: e*Gate Installation Components

The e*Gate Registry Host must be installed first if everything is being installed on the same host. The rest of the e*Gate components—the Participating Host, GUI (Graphical User Interface), and any add-ons—must be installed in the order in which they appear on the CD-ROMs. The setup applications are based upon InstallShield Wizards, which are very easy to use. The installation is contained on a number of CD-ROMs, depending upon what was ordered.

- Disc 1 contains:
 - ♦ e*Gate Integrator
 - ♦ Registry Host
 - ♦ Participating Host
 - ♦ SDK
- Disc 2 contains:
 - ♦ e*Gate GUI
 - ♦ Exceed
 - ♦ SeeBeyond Editors
 - ♦ Documentation/Online Help in **.pdf** and **.chm** format, respectively
- Disc 3 contains:
 - ♦ Add-ons (except for the UN/EDIFACT ETD, X12 ETD, and xCBL ETD V30r2 Libraries)
 - ♦ Samples
 - ♦ Utilities
- Disc 4 contains:
 - ♦ e*Insight Business Process Manager
 - ♦ e*Xchange Partner Manager

Note: *If you order e*Xchange Partner Manager, you will receive nine CD-ROMs; If you order e*Insight Business Process Manager but not e*Xchange Partner Manager, you will also receive Disc 1 and Disc 2 but not discs 5 through 9.*

- Disc 5 contains:
 - ♦ xCBL ETD V30r2 Library Add-ons

Note: *The xCBL ETD V20r3 Library Add-ons are located on Disc 3.*

- Disc 6 through Disc 7 contain:
 - ♦ The UN/EDIFACT ETD Library Add-ons
- Disc 8 through Disc 9 contain:
 - ♦ The X12 ETD Library Add-ons

OS/390

- OS/390 can be as many as 3 discs:
 - ♦ “Supports OS390” (CD 1)
 - ♦ “OS390 Only” (no disc number)
 - ♦ “Supports OS390” (CD 3)

Note: *We presume that the reader is familiar with InstallShield’s **Back**, **Next**, **Cancel**, **Yes**, **No**, and **Finish** buttons. In each dialog box, select the appropriate button as you finish entering required information.*

The procedures shown below provide a general outline of the basic steps to install the individual components.

To install an individual e*Gate component

- 1 Open the **setup** folder on the appropriate CD-ROM.
- 2 Open the appropriate folder.

- 3 Double-click the  **Setup** icon.

- 4 Skip ahead to the appropriate section in this manual for more assistance with the individual component wizards.

3.4.2 Installing the Registry Host

The e*Gate Registry Host installation performs the following operations:

- Installs the e*Gate Registry service and utilities.
- Creates the default schema with the default services and monitors, and creates the e*Gate “Administrator” user.
- Installs the common Registry Repository files.


Caution: When specifying Registry Hosts, you must specify hosts that are known to the system where the installation is being performed. It is not recommended to use IP addresses. Instead, use logical names for host names.

The default logical name for the Registry is the name of the computer on which it is being installed.

Important: The Registry Host name is limited to 15 characters when installing e*Gate on Windows 2000. Exceeding the 15-character limit creates minor complications.

Note: If you are upgrading an earlier version of e*Gate, you may be prompted at various times during the installation to delete old RDB files, to back up existing Registries, or to stop a running Registry service (the questions you receive depend on the state of your e*Gate installation). We recommend you answer “yes” to all of these questions.

To install the Registry Host

- 1 If you are installing the e*Gate suite using the “master installation” wizard, the installation for the Registry Host launches automatically. Otherwise, do the following:
 - ♦ On the e*Gate CD-ROM 1, navigate to the `\Setup\Registry` folder.
 - ♦ Double-click the  **Setup** icon.
- 2 Follow the online prompts in the InstallShield Wizard to navigate through the introductory screens and to accept the license agreement.
- 3 When the **User Information** dialog box appears, type your name and company name, and then click **Next**.
- 4 If the install utility detects an existing version of e*Gate, you will be asked whether to back up and restore your existing schema. We recommend that you exit the installation and follow the instructions for retaining your schemas and `monk_scripts` in “[Preparing for Installation](#)” on page 19.
- 5 The **Choose registry setup type** dialog box appears. What you do next depends on the type of Distributed Registry you want to set up (see “[The Distributed Registry](#)” on page 17 for more information).

Important: You must set up a primary Registry Host before you can set up a secondary Registry Host.

- ♦ If you do not want to set up any Distributed Registry features, select **No Registry Replication**, and then click **Next**. Skip ahead to step 7.
- ♦ If you want to set up a primary Registry Host, select **Primary Registry**, and then click **Next**. Skip ahead to step 7.
- ♦ If you want to set up a secondary Registry Host, select **Secondary Registry**, and then click **Next**. Proceed to the next step (step 6).

*If you are going to use Registry Replication, you should have already cleared the **Participating Host** check box on the **Please choose the product to install** dialog box. See [step 6](#) and its accompanying Important note regarding Registry Replication.*

Note: *If you do not specify a secondary Registry Host during the installation, but later decide to specify one, see the **e*Gate Integrator System Administration and Operations Guide**, which is available on the installation CD-ROM 2 (`docs\System_Admin_Guide.pdf`).*

6 If you are installing a secondary Registry Host:

- ◆ You are prompted for the name of the primary Registry Host. Enter the host's name and click **Next**.
- ◆ You are prompted for the Administrator user name and password. Enter the requested information and click **Next**.

Note: *For additional information on the Administrator and passwords, see the **e*Gate Integrator System Administration and Operations Guide**.*

- ◆ Continue with step 7.

Caution: *When specifying secondary hosts, you must specify hosts that are known to the system where the installation is being performed. It is not recommended to use IP addresses. Instead, use logical names for host names.*

7 In a few moments, the **Choose Destination Location** dialog box appears. We strongly recommend that you do not change the "eGate\Server" folder name, but you are free to select a different drive or partition. You cannot install e*Gate to a UNC path (as in "\\hostname\path"). When ready for the e*Gate Registry to be installed in the designated folder, click **Next**.

Important: *Spaces are not valid characters in e*Gate path names.*

Note: *See [step 9](#) if a question dialog box appears regarding ACL and/or [step 8](#) if a question dialog box appears regarding RDB files.*

8 Depending upon your selection in step 5, the installation may detect e*Gate Registry RDB files. If so, you are prompted to delete them to proceed with the installation. You are informed that you must have a current Registry running if you want to preserve old schemas.

9 When the installation informs you that e*Gate permits the use of Access Control List (ACL) security, make your selection. For more information on ACL security see the *e*Gate Integrator System Administration and Operations Guide*.

Note: *You can enable or disable this feature at a later time.*

10 When the **Select platforms to support in Registry repository** dialog box appears, select the platform(s) that the schema will support, and then click **Next**. You can

select as many platforms as necessary. Do not select more than you need as this creates additional overhead.

Note: *During installation of the primary Registry Host, you must select the platform of both the primary Registry Host and the secondary Registry Host.*

- 11 If you are prompted for a directory for the Replication Participating Host and IQ Manager, you must select a directory at this point.
- 12 Follow the on-screen prompts to complete the installation.

After installing the primary Registry

If you installed a primary Registry Host on a drive *other than C*, you must check your **.egate.store** file in the location specified by the environment variable USERPROFILE. You must stop the Registry Replication Control Broker, then edit the **.egate.store** file in %USERPROFILE% to match the **.egate.store** file in:

%HOMEDRIVE%\%HOMEPATH%

Then you can restart the Control Broker. Perform this operation as follows:

- 1 Stop **stccb** (Registry Replication), that is, the Control Broker service using the Windows **Start > Settings > Control Panel > Services** feature.
- 2 Find **%USERPROFILE%\.egate.store**.
- 3 Copy **%HOMEDRIVE%\%HOMEPATH%\egate.store %USERPROFILE%\.**
- 4 Restart the Control Broker service.

If you installed the secondary Registry on the C-drive, you do not need to take these steps. For more information on registry replication, see the *e*Gate Integrator System Administration and Operations Guide*.

Installing a secondary Registry

At the end of the installation process, you will see this message:

Before any e*Gate applications begin using the secondary Registry Host, you must manually copy the primary Registry Host's "<Installed Directory>\registry\repository" directory tree (including all files and subdirectories) to the secondary Registry Host. You can use any method you like to copy the files, but you must do so **BEFORE** allowing any e*Gate applications to access the secondary Registry Host.

Before you install other e*Gate components such as add-ons, which will rely upon the secondary Registry Host (registry replication) that you have just installed, you must perform this step and copy the **\registry\repository** directory tree from the Primary Registry Host to the corresponding tree on the secondary Registry Host. This is the only time you will need to copy files manually. Subsequent changes to the primary Registry Host will automatically be propagated to the secondary Registry Host.

Note: *Adding another secondary Registry Host after you have installed the primary and secondary Registry Hosts breaks the replication configuration. If a secondary*

*Registry Host is added at this time, you must open your **Registry Replication** schema, change all your pub-sub, and add an IQ Manager to the schema.*

After installing the secondary Registry

If you installed a secondary Registry Host on a drive *other than C*, you must check your **.egate.store** file in the location specified by the environment variable USERPROFILE. Follow the instructions in **“After installing the primary Registry” on page 34** to complete this task.

3.4.3 Installing the Participating Host

Note: *If you have installed Registry Replication, you should not install another Participating Host.*

The e*Gate Participating Host installation performs the following:

- Installs e*Gate data transport and transformation components, services, and command-line utilities.
- Installs and starts the Control Broker and the Lightweight Installer under a user-specified Registry Host and schema. The Lightweight Installer must be run at least once for every e*Gate schema that is installed.

Caution: *When specifying Participating Hosts, you must specify hosts that are known to the system where the installation is being performed. It is not recommended to use IP addresses. Instead, use logical names for host names.*

To install the Participating Host

- 1 If you are installing the e*Gate suite using the master install wizard, the installation for the Participating Host launches automatically. Otherwise, do the following:
 - ♦ On the e*Gate CD-ROM 1, navigate to the **\Setup\Parthost** folder.



- ♦ Double-click the **Setup** icon.

- 2 Follow the online prompts in the InstallShield Wizard to navigate through the introductory screens and to accept the license agreement.

Note: *You must know both the Registry Host name and the schema name before you install this module. The default schema name is **MySchema**.*

- 3 When the **User Information** dialog box appears, type your name and company name, and then click **Next**.

Note: *If the install utility detects an existing version of e*Gate, the setup utility will ask whether to stop the existing services. If you are so prompted, click **Yes**.*

- 4 The **Java 2 SDK Dependency** dialog box appears if you do not have Java 2 SDK loaded on your system; it is required for In-Schema debugging. Decide if you want to launch a browser to install it now or if you want to install it at a later time.

If you choose to download load it now, the **Java(TM) 2 SDK Standard Edition v 1.3.1_02** window appears, follow the instructions to download the software to a temporary directory.

- ♦ When the **Choose Destination Location** dialog box appears, accept the default (for example: `X:\jdk1.3.1_02`) or click **Browse** to select another location. Click **Next** when you are ready to continue.
 - ♦ When the **Select Browsers** dialog box appears, select a browser, and then click **Next**.
 - ♦ When the **Select Component** dialog box appears, clear the componets you do not want to install and then click **Next**.
 - ♦ When **Setup Complete** dialog box appears, click **Finish**.
 - ♦ Close the `java.sun.com` Web page and continue the Participating Host installation.
- 5 In a few moments, the **Choose Destination Location** dialog box appears. We strongly recommend that you do not change the “eGate\client” folder name, but you are free to select a different drive or partition. You cannot install e*Gate to a UNC path (as in “\\hostname\path”). When ready for the e*Gate files to be installed in the designated folder, click **Next**.

Note: Spaces are not valid characters in e*Gate path names.

*The e*Gate Registry maintains its own names for network hosts, which must be entered when the system is configured. Use host names that match the actual network host names since e*Gate does not poll the network to obtain host names. Obtain the correct host name(s) **PRIOR** to installing this component.*

- 6 When the **Check Setup Information** dialog box appears, confirm your installation settings, and then click **Next**.

The setup utility copies files to your system.

- 7 In a few moments, the **Registry Host and Schema** dialog box appears.
 - ♦ In the **Hostname** box, type the name of the Registry Host that will service this Participating Host. The default is the network name of the system on which you are installing e*Gate.
 - ♦ In the **Schema** box, type the schema name that this Participating Host will support. The default is **MySchema**.

When finished, click **Next**.

- 8 The **Administrator Account Information** dialog box appears.
 - ♦ In the **Username** box, type the name of the e*Gate “Administrator” user. Unless you have created additional “administrative” accounts, use the default name **Administrator**.
 - ♦ In the **Password** and **Confirm** boxes, type and verify the appropriate password.

Note: *e*Gate user names and passwords are case-sensitive. For additional information on the Administrator and passwords, see the **e*Gate Integrator System Administration and Operations Guide**.*

When ready, click **Next**.

- 9 You are prompted if you want to specify a secondary Registry Host.

Note: *A secondary Registry Host is a backup of your primary Registry Host. It only becomes active if your primary Registry Host becomes unavailable.*

Important: *The secondary Registry Host should have already been installed. If it has not been, halt the installation process and install the secondary Registry Host. See **“To install the Registry Host” on page 32** and follow steps 6 through 9 to install a secondary Registry Host.*

If you select **Yes**, the **Secondary Registry Hosts** dialog box appears. Enter a comma-delimited list of secondary Registry Hosts.

- 10 When prompted in the **Password File Path** dialog box, enter the path name to the e*Gate password file. Unless you have created a different password file, use the default. Then click **Next**.

Note: *For additional information on passwords, see the **e*Gate Integrator System Administration and Operations Guide**.*

- 11 The **Control Broker Logical Name** dialog box appears. Type the logical name for the Control Broker on the Participating Host you are installing and click **Next**. The default is **<Participating-Host-Name>_cb**.
- 12 When the installation informs you that e*Gate permits the use of Access Control List (ACL) security, make your selection. For more information on ACL security see the *e*Gate Integrator System Administration and Operations Guide*.

Note: *You can enable or disable this feature at a later time.*

- 13 Follow the on-screen prompts to complete the installation.

Note: After completing the installation of the Participating Host, the install wizard prompts you to restart your computer. You must restart your computer before using e*Gate. However, it is not necessary to restart your computer before continuing with the installation.

Before installing the e*Gate GUI, you must remove CD-ROM 1 from the CD-ROM drive and insert CD-ROM 2 into the drive.

3.4.4 Installing the GUI

The e*Gate GUI is located on CD-ROM 2. Installing it performs the following:

- Installs the e*Gate Enterprise Manager, the e*Gate Monitor, SeeBeyond Editors, e*Gate Queue Viewer, X Windows-based GUIs, and other editors and utilities.
- Creates shortcuts for the e*Gate Enterprise Manager, e*Gate Monitor, and e*Gate Queue Viewer.

Note: The GUI installation application will install a partial (OEM) version of Exceed 6.1. **Do not install the OEM version of Exceed in the same directory as an existing full version of Exceed.** Be sure that you read [“Pre-installation check for Exceed” on page 26](#) before you begin the GUI installation. See [Chapter 7](#) for additional troubleshooting information.

Note: If you receive an e*Gate GUI error message during the installation of the GUI (“An error occurred during the move data process: -132”), it means that you have a **jrew** running on your Task Manager. To fix the problem, using the Task Manager, right-click on the **jrew** (for example: **jrew.exe**), choose **End Process**, and then return to the GUI installation.

To install the GUI

- 1 After inserting CD-ROM 2 into the drive the GUI installation launches automatically. If it does not, navigate to the **\Setup\Gui** folder, and double-click

the  **Setup** icon.

- 2 Follow the online prompts in the InstallShield Wizard to navigate through the introductory screens and to accept the license agreement.
- 3 When the **User Information** dialog box appears, type your name and company name, and then click **Next**.
- 4 When the **Please choose the product to install** dialog box appears, select **e*Gate Integrator** and then click **Next**.
- 5 The **Please choose the product to install** dialog box remains open with **GUI** selected. Click **Next**.
- 6 When the **Check Setup Information** dialog box appears, accept the selections and click **Next** to begin installing the files.

- 7 Follow the online prompts in the InstallShield Wizard to navigate through the introductory screens and to accept the license agreement.
- 8 When the **Please choose the product to install** dialog box reappears, make sure that both the **e*Gate Enterprise Manager** and the **e*Gate Monitor** are selected, and then click **Next**.

Note: Installing the e*Gate Monitor is not mandatory.

- 9 When the **User Information** dialog box appears, type your name and company name, and then click **Next**.
- 10 In the **Choose Language** dialog box, select the language that will be used by the e*Gate GUI and then click **Next**.

Note: You must match the language selected with the language the system uses (that is: English Windows, Japanese Windows, or Korean Windows).

- 11 Depending on what version(s) of Exceed 6.1 is installed on your system, you may be prompted to install Exceed 6.1. Install Exceed if you are required to do so (see **“Pre-installation check for Exceed” on page 26** for more information about installing Exceed 6.1). The installation application will exit if you decline to install Exceed.

If you already have an existing version of Exceed, **do not install the partial OEM version of Exceed in the same directory as an existing full version of Exceed**. When prompted for a directory name, enter a unique name (such as **eGate-Exceed**). The Exceed installation also uses an InstallShield wizard; follow the on-screen prompts.

- 12 After the Exceed installation completes, the **Choose Destination Location** dialog box appears. We strongly recommend that you do not change the “eGate\client” folder name, but you are free to select a different drive or partition. You cannot install e*Gate to a UNC path (as in “\\hostname\path”). When ready for the e*Gate GUI files to be installed in the designated folder, click **Next**.

Note: Spaces are not valid characters in e*Gate path names.

- 13 The **Select Program Folder** dialog box appears. Keep the default (**SeeBeyond eBusiness Integration Suite**) or select another program folder. Click **Next**.
- 14 When the **Check Setup Information** dialog box appears, accept the selections and click **Next** to begin installing the files.
- 15 The **Microsoft Data Access Components 2.6 Setup** dialog box appears. Microsoft Data Access Components (MDAC) enable Microsoft’s data access technologies known as Universal Data Access, which in turn allows data-driven client/server applications to integrate information from a variety of sources over a LAN or the Web.

Note: If MDAC has already been installed on your system, the installation moves on to step 16.

For additional information about MDAC, see:

- ♦ <http://www.microsoft.com/data/> for additional information about MDAC.
- ♦ <http://www.microsoft.com/data/mdac21info/MDACinstQ.htm> for information about the installation of MDAC; what it does and how it should be handled.
- ♦ <http://msdn.microsoft.com/library/default.asp?url=/library/en-us/mdac200/html/mdac3sc7.asp> for information about the components.

Important: *MDAC are system components. The MDAC installer upgrades operating system files; removing MDAC at a later time would entail replacing operating system files that were affected by the installation.*

- ♦ Only **Cancel** is active. To make **Next** active, select **I accept all of the terms of the preceding license** agreement. When ready, click **Next**.
- ♦ Click **Finish** to begin the installation.
- ♦ After the installation completes, click **Close**.

16 When the **Registry Hostname** dialog box appears, click **Next**.

Note: *If the Registry Host name is not in the dialog box, you must enter it.*

17 The **Administrator Account Information** dialog box appears.

- ♦ In the **Username** box, type the name of the e*Gate “Administrator” user. Unless you have created additional “administrative” accounts, use the default name **Administrator**.
- ♦ In the **Password** and **Confirm** boxes, type and verify the appropriate password.

Note: *For additional information on the Administrator and passwords, see the e*Gate Integrator System Administration and Operations Guide.*

When ready, click **Next**.

18 The online e*Gate GUI Help may require an update of HTML Help. If your browser is not the most recent version of IE 5, click **Yes**.

19 If the **Windows Installer** asks you to delete pre-existing Editors, click **Yes**.

Note: *If you are using Registry Replication, you must update the two Collaboration Rules in the **RegistryReplication** schema (on all Registry Hosts) to use the **Pass Through** service.*

Installing the SeeBeyond Editors

The SeeBeyond Editor 4.5.2 Setup Wizard (located on CD-ROM 2), which is part of the GUI installation, installs the following:

- Java Collaboration Rules Editor
- Java Event Type Definition Editor

Note: For these GUIs to work, the user must be either an Administrator or Power User.

To install the Editors

- 1 The SeeBeyond Editor wizard launches automatically.
- 2 To continue with the installation, click **Next** on the opening screen.
- 3 When the **Confirm Installation** window appears, click **Next** to install the Editors.
- 4 After a few moments, the **Installation Complete** window appears, informing you that the SeeBeyond Editors have successfully installed. Click **Close** to exit this part of the installation.
- 5 Continue to follow the on-screen prompts to complete the GUI installation and move onto the add-on installation.

Note: You may be prompted to restart your system in the **Setup Complete** dialog box. You must restart your computer before using e*Gate. However, it is not necessary to restart your computer before continuing with the installation.

*Before installing the e*Gate Add-ons, you must remove CD-ROM 2 from the CD-ROM drive and insert CD-ROM 3 into the drive.*

3.4.5 Installing the Add-ons

The e*Gate Add-ons are located on CD-ROM 3. Installing them performs the following:

- Installs the add-on applications components.
- Installs add-on package files on the local client subdirectories and in the specified e*Gate Registry Repository.
- Installs Monk template files only in the specified Registry.

Note: Depending upon how many add-ons are ordered, an additional CD-ROM may be required.

To install the Add-ons

- 1 After inserting CD-ROM 3 into the drive the Add-on installation launches automatically. If it does not, navigate to the **\Setup\Addons** folder, and

double-click the  **Setup** icon.

- 2 Follow the online prompts in the InstallShield Wizard to navigate through the introductory screens and to accept the license agreement.
- 3 When the **User Information** dialog box appears, type your name and company name, and then click **Next**.
- 4 The **Please choose the product to install** dialog box appears. Select **e*Gate Integrator** and click **Next**.
- 5 The **Please choose the product to install** dialog box remains open with **Add-ons** selected. Click **Next**.
- 6 The **Check Setup Information** dialog box appears. Confirm your selections and click **Next**.
- 7 Follow the online prompts in the InstallShield Wizard to navigate through the introductory screens and to accept the license agreement.
- 8 When the **User Information** dialog box appears, type your name and company name, and then click **Next**.
- 9 When prompted, select the destination directory into which to install the add-ons in the **Choose Destination Location** dialog box. The setup utility recommends the appropriate directory for your e*Gate installation; we recommend you do not change the default. Click **Next**.

Note: Spaces are not valid characters in e*Gate path names.

- 10 When the **Select Components** dialog box appears, highlight a component that you want to install (without checking the item), and then click **Change**. This allows you to select the sub-components that you want to install. Although the sub-components appear to be in alphabetical order, some may be out of order. When satisfied with your installation selections, click **Continue** to return to the **Select Components** dialog box.

Note: Repeat step 10 for each component that you are installing.

When ready to continue with the installation, click **Next**.

- 11 Some add-ons have dependencies. If you select an add-on with dependencies, the **Check Add-ons Dependencies Information** dialog box opens. It informs you of additional components that will be selected if you have not already selected them. To change any settings, click **Back**. If satisfied, click **Next**.

Note: For directions on how to install xCBL ETD Library 4.5.2 V30r2 (which is on CD-ROM 5), see the *xCBL ETD Library User's Guide*.

- 12 The **Select Program Folder** dialog box appears. Choose a program folder (the default is **SeeBeyond eBusiness Integration Suite**) and click **Next**.
- 13 When the **Check Setup Information** dialog box appears, confirm your selections and click **Next**.

Note: *If your add-on selections require additional installation instructions (such as the e*Gate SNMP Agent or the BroadVision e*Way), see the .pdf files specific to that application. The .pdf files are located on the installation CD-ROM 2 in the Docs directory, and are also installed to the \client\docs\html directory in which you installed e*Gate.*

- 14 When prompted for the Registry Host on which these add-ons should be installed, enter the Registry Host's name (if installing to a Distributed Registry system, enter the primary Registry Host's name) and click **Next**.
- 15 The **Administrator Account Information** dialog box appears.
 - ◆ In the **Username** box, type the name of the e*Gate "Administrator" user. Unless you have created additional "administrative" accounts, use the default name **Administrator**.
 - ◆ In the **Password** and **Confirm** boxes, type and verify the appropriate password.

Note: *For additional information on the Administrator and passwords, see the e*Gate Integrator System Administration and Operations Guide, which is available on the installation CD-ROM 2 (docs\System_Admin_Guide.pdf).*

When ready, click **Next**.

- 16 The **Select Platforms to Support for Add-on** dialog box appears. Select the platforms that the selected Registry Host(s) support and click **Next**.

The installation utility begins installing add-on files and committing them to the e*Gate Registry. The amount of time this process takes depends upon the number and size of add-ons you are installing.
- 17 Follow the on-screen prompts to complete the installation.

Note: *After completing the installation of the Add-ons, the install wizard prompts you to restart your computer. You must restart your computer before using e*Gate. However, it is not necessary to restart your computer at this time.*

3.4.6 Installing the UN/EDIFACT ETD Library Add-ons

The UN/EDIFACT Add-ons are located on CD-ROM 6 through CD-ROM 7.

Note: *Before installing the UN/EDIFACT Add-ons, you must remove the previous CD-ROM from the CD-ROM drive and insert CD-ROM 6 or CD-ROM 7 into the drive, depending upon which libraries you want to install.*

Installing them performs the following:

- Installs the UN/EDIFACT add-on applications components.
- Installs add-on package files on the local client subdirectories and in the specified e*Gate Registry Repository.
- Installs the Java and Monk template files only in the specified Registry.

Table 1 lists which UN/EDIFACT ETD Libraries are located on which CD-ROM.

Table 1 Location of UN/EDIFACT ETD Libraries on CD-ROMs

CD-ROM 6		CD-ROM 7	
EDIFACT_d95a	EDIFACT_d98a	EDIFACT_d00a	EDIFACT_d01a
EDIFACT_d95b	EDIFACT_d98b	EDIFACT_d00b	EDIFACT_d01b
EDIFACT_d96a	EDIFACT_d99a	EDIFACT_v3	EDIFACT_d01c
EDIFACT_d96b	EDIFACT_d99b	EDIFACT_v4	
EDIFACT_d97a	EDIFACT_V3		
EDIFACT_d97b	EDIFACT_V4		

To install the UN/EDIFACT ETD Library Add-ons

- 1 Insert the installation CD-ROM into the CD-ROM drive.

Note: The UN/EDIFACT ETD Library add-ons can be found on CD-ROM 6 through CD-ROM 7.

- 2 If the CD-ROM drive's Autorun feature is enabled, the setup application should launch automatically. Otherwise, navigate to the **\Setup\Addons** folder on the CD-ROM and double-click **Setup.exe**.

Note: Repeat this procedure until you have installed all the UN/EDIFACT ETD Libraries you require.

- 3 The InstallShield setup application launches. Follow the on-screen instructions until you come to the **User Information** dialog box. Type your name and company name and then click **Next**.
- 4 The **Please choose the product to install** dialog box appears. Select **e*Gate Integrator** and click **Next**.
- 5 The **Please choose the product to install** dialog box remains open with **Add-ons** selected. Click **Next**.
- 6 The **Check Setup Information** dialog box appears. Confirm your selections and click **Next**.
- 7 Follow the online prompts in the InstallShield Wizard to navigate through the introductory screens and to accept the license agreement.
- 8 When the **User Information** dialog box appears, type your name and company name, and then click **Next**.
- 9 The **Choose Destination Location** dialog box appears. The setup utility recommends the appropriate destination folder; we strongly recommend that you do not change the default. Click **Next**.

Note: Spaces are not valid characters in e*Gate path names.

- 10 When the **Select Components** dialog box appears, make sure that **ETD Libraries** is highlighted without selecting the item, and then click **Change**.
- 11 When the **Select Sub-components** dialog box appears, select the UN/EDIFACT ETD templates that you want to install. Each library (for example: EDIFACT ETD Library 4.5.2 Version d01b) contains both the Java and the Monk templates. You must include the v3 and v4 templates. When satisfied with your installation selections, click **Continue** to return to the **Select Components** dialog box.

Note: The space required to install the highlighted library displays at the bottom of the dialog box.

- 12 Click **Next** to continue with the installation.
- 13 Some add-ons have dependencies. If you select an add-on with dependencies, the **Check Add-ons Dependencies Information** dialog box opens. It informs you of additional components that will be selected if you have not already selected them. To change any settings, click **Back**. If satisfied, click **Next**.
- 14 The **Select Program Folder** dialog box appears. Choose a program folder (the default is **SeeBeyond eBusiness Integration Suite**) and click **Next**.
- 15 When the **Check Setup Information** dialog box appears, confirm your selections and click **Next**.
- 16 When prompted for the Registry Host on which these add-ons should be installed, enter the Registry Host's name (if installing to a Distributed Registry system, enter the primary Registry Host's name) and click **Next**.
- 17 The **Administrator Account Information** dialog box appears.
 - ◆ In the **Username** box, type the name of the e*Gate "Administrator" user. Unless you have created additional "administrative" accounts, use the default name **Administrator**.
 - ◆ In the **Password** and **Confirm** boxes, type and verify the appropriate password.

Note: e*Gate user names and passwords are case-sensitive. For additional information on the Administrator and passwords, see the *e*Gate Integrator System Administration and Operations Guide*.

When ready, click **Next**.

- 18 Select the platforms that the selected Registry Host(s) support and click **Next**.

The installation utility begins installing add-on files and committing them to the e*Gate Registry. The amount of time this process takes depends upon the number and size of add-ons you are installing.
- 19 Follow the on-screen prompts to complete the installation. Then repeat this process to install the UN/EDIFACT ETD Libraries that are located on the other CD-ROM.

Note: After completing the installation, the install wizard prompts you to restart your computer. You must restart your computer before using e*Gate. However, it is not necessary to restart your computer at this time.

3.4.7 Installing the X12 ETD Library Add-ons

The X12 ETD Add-ons are located on CD-ROM 8 through CD-ROM 9.

Note: Before installing the X12 ETD Add-ons, you must remove the previous CD-ROM from the CD-ROM drive and insert CD-ROM 8 or CD-ROM 9 into the drive, depending upon which libraries you want to install.

Installing them performs the following:

- Installs the X12 ETD add-on applications components.
- Installs add-on package files on the local client subdirectories and in the specified e*Gate Registry Repository.
- Installs the Java and Monk template files only in the specified Registry.

Note: When a library begins with “Java” in Table 2 (for example: Java X12 ETD Library Version 2000), it indicates that there is only a Java version for this library.

Table 2 lists which X12 ETD Libraries are located on which CD-ROM.

Table 2 Location of X12 ETD Libraries on CD-ROMs

CD-ROM 8		CD-ROM 9	
Java X12 ETD Library Version 2000	Java X12 ETD Library Version 3072	X12 ETD Library Version 4010	Java X12 ETD Library Version 4041
X12 ETD Library Version 2001	X12 ETD Library Version 3041	X12 ETD Library Version 4011	X12 ETD Library Version 4031
X12 ETD Library Version 2002	X12 ETD Library Version 3042	X12 ETD Library Version 4012	X12 ETD Library Version 4032
X12 ETD Library Version 2003	X12 ETD Library Version 3050	X12 ETD Library Version 4020	X12 ETD Library Version 4040
X12 ETD Library Version 2040	X12 ETD Library Version 3051	X12 ETD Library Version 4021	X12 ETD Library Version 4042
X12 ETD Library Version 3010	X12 ETD Library Version 3052	X12 ETD Library Version 4022	X12 ETD Library Version 4050
X12 ETD Library Version 3020	X 12 ETD Library Version 3060	X12 ETD Library Version 4030	
X12 ETD Library Version 3022	X12 ETD Library Version 3061		
X12 ETD Library Version 3030	X12 ETD Library Version 3062		
X12 ETD Library Version 3031	X12 ETD Library Version 3070		
X12 ETD Library Version 3032	X12 ETD Library Version 3071		

Table 2 Location of X12 ETD Libraries on CD-ROMs (Continued)

CD-ROM 8		CD-ROM 9	
X12 ETD Library Version 3040			

To install the X12 ETD Add-ons

- 1 Insert the installation CD-ROM into the CD-ROM drive.

Note: The X12 ETD Library add-ons can be found on CD-ROM 8 through CD-ROM 9.

- 2 If the CD-ROM drive's Autorun feature is enabled, the setup application should launch automatically. Otherwise, navigate to the **\Setup\Addons** folder on the CD-ROM and double-click **Setup.exe**.

Note: Repeat this procedure until you have installed all the X12 ETD Libraries you require.

- 3 The InstallShield setup application launches. Follow the on-screen instructions until you come to the **User Information** dialog box. Type your name and company name and then click **Next**.
- 4 The **Please choose the product to install** dialog box appears. Select **e*Gate Integrator** and click **Next**.
- 5 The **Please choose the product to install** dialog box remains open with **Add-ons** selected. Click **Next**.
- 6 The **Check Setup Information** dialog box appears. Confirm your selections and click **Next**.
- 7 Follow the online prompts in the InstallShield Wizard to navigate through the introductory screens and to accept the license agreement.
- 8 When the **User Information** dialog box appears, type your name and company name, and then click **Next**.
- 9 The **Choose Destination Location** dialog box appears. The setup utility recommends the appropriate destination folder; we strongly recommend that you do not change the default. Click **Next**.

Note: Spaces are not valid characters in e*Gate path names.

- 10 When the **Select Components** dialog box appears, make sure that **ETD Libraries** is highlighted without selecting the item, and then click **Change**.
- 11 When the **Select Sub-components** dialog box appears, select the X12 ETD templates that you want to install. Each library (for example: X12 ETD Library Version 4040) contains both the Java and the Monk templates.

Note: There are several libraries that are only in Java format; these have the word "Java" at the beginning of the library name.

When satisfied with your installation selections, click **Continue** to return to the **Select Components** dialog box.

Note: *The space required to install the highlighted library displays at the bottom of the dialog box.*

- 12 Click **Next** to continue with the installation.
- 13 Some add-ons have dependencies. If you select an add-on with dependencies, the **Check Add-ons Dependencies Information** dialog box opens. It informs you of additional components that will be selected if you have not already selected them. To change any settings, click **Back**. If satisfied, click **Next**.
- 14 The **Select Program Folder** dialog box appears. Choose a program folder (the default is **SeeBeyond eBusiness Integration Suite**) and click **Next**.
- 15 When the **Check Setup Information** dialog box appears, confirm your selections and click **Next**.
- 16 When prompted for the Registry Host on which these add-ons should be installed, enter the Registry Host's name (if installing to a Distributed Registry system, enter the primary Registry Host's name) and click **Next**.
- 17 The **Administrator Account Information** dialog box appears.
 - ♦ In the **Username** box, type the name of the e*Gate "Administrator" user. Unless you have created additional "administrative" accounts, use the default name **Administrator**.
 - ♦ In the **Password** and **Confirm** boxes, type and verify the appropriate password.

Note: *e*Gate user names and passwords are case-sensitive. For additional information on the Administrator and passwords, see the **e*Gate Integrator System Administration and Operations Guide**.*

When ready, click **Next**.

- 18 Select the platforms that the selected Registry Host(s) support and click **Next**.

The installation utility begins installing add-on files and committing them to the e*Gate Registry. The amount of time this process takes depends upon the number and size of add-ons you are installing. If you install e*Gate add-ons on a Windows 98 system, the installation program may open a series of DOS windows. If this occurs, simply close the DOS windows, and the installation program will proceed normally.
- 19 Follow the on-screen prompts to complete the installation. Then repeat this process to install the X12 ETD Libraries that are located on the other CD-ROMs.

3.5 Installing e*Gate on Laptops

3.5.1 Overview

Before installing e*Gate on your laptop, please read the following sections to ensure a smooth and error-free installation.

3.5.2 System Requirements

The e*Gate system laptop PC requirements are the same as listed in “[System Requirements](#)” on page 21.

3.5.3 Pre-Installation Notes

Before you install e*Gate on your laptop, do the following:

- 1 Install the loopback adapter (if you are not able to ping your machine while you are off the network).
- 2 Boot the machine in the standalone mode and ping the laptop by its network name.
- 3 Configure the network configuration to bring up the loopback adapter as the first adapter at system boot.
- 4 You are ready to install e*Gate, using the directions in earlier sections of this chapter.

3.5.4 Installing the Loopback Adapter (Dell Laptops)

You will need the loopback adapter to use e*Gate when your system is disconnected from a network when running Windows NT 4.0 (it is not needed if you run Windows 2000). If the system cannot successfully execute the “ping” command while disconnected from the network, follow the procedure below to install the loopback adapter.

Note: *You will need the Windows installation CD-ROM or access to the “i386” directory from that CD-ROM on your hard drive before you proceed.*

To install the loopback adapter

- 1 Click **Start**.
- 2 Point to **Settings**, then click **Control Panel**.
- 3 Double-click **Network**.
- 4 Select the **Adapters** tab.
- 5 Click **Add**.
- 6 From the **Network Adapter** list, select **MS Loopback Adapter**.

- 7 If prompted for a **Frame Type**, select an appropriate frame type for your system configuration.
- 8 Enter the location of the “i386” directory that contains the Windows installation files.
- 9 After the adapter has been installed, you will return to the Network properties sheet. Select the **Protocols** tab.
- 10 Select the **TCP/IP** protocol and click **Properties**.
- 11 Make sure the **IP Address** tab is selected. Then, from the **Adapter** list, select **MS Loopback Adapter**.
- 12 Select **Specify an IP Address**.
- 13 In the **IP Address** box, type **127.0.0.1** (no trailing period).
- 14 In the **Subnet Mask** box, type **254.255.255.0** (no trailing period).
- 15 Select the **DNS** tab.
- 16 In the **Host Name** box, type the name of your computer.
- 17 Select the **WINS Address** tab.
- 18 Check **Enable DNS for Windows Resolution**.
- 19 Check **Enable LMHOSTS Lookup**.
- 20 Select the **Routing** tab.
- 21 Check **Enable IP Forwarding**.
- 22 Click **OK** to close the TCP/IP properties sheet.
- 23 On the Network properties sheet, select the **Bindings** tab.
- 24 In the **Show Bindings for** box, select **all protocols**.
- 25 Open the **TCP/IP Protocol** entry, then move the MS Loopback Adapter to the first position in the list.
- 26 Click **OK** to close each dialog box until you exit the Network properties sheet. If you are informed that you need to reboot your computer, simply acknowledge the notice (you will reboot the computer later in this procedure).
- 27 Use **Notepad** to open the file **C:\winnt\system32\drivers\etc\Hosts** and add the following line (if it is not there already):

```
127.0.0.1
```

- 28 Save the file and reboot your computer.

To confirm that the adapter was properly installed, type the following at the command prompt:

```
ping hostname
```

where *hostname* is the name of your computer.

3.6 Installation Log Files

The e*Gate installation utilities create log files to assist support personnel in troubleshooting installation problems.

Log files are created in the directory specified by the **TEMP** environment variable, or in the directory **C:\TEMP** if the **TEMP** variable is undefined.

Log File Names: The name of the log file indicates the name of the install utility that created it. The log files are:

- **stcreghost_install.log**
- **stcparthost_install.log**
- **stcgui_install.log**

No log files are created by add-on installations.

Installation Instructions for UNIX

This chapter provides instructions on how to install e*Gate on a UNIX system. If you have any questions or problems, please contact SeeBeyond's technical support group at (800) 798-0447. For online support, contact us at <http://www.seebeyond.com> and select **SERVICES** and then **SUPPORT SERVICES**.

4.1 Overview

Before installing e*Gate on your UNIX system, please read the following sections to ensure a smooth and error-free installation.

Note: We recommend that you log on as a regular user when installing e*Gate.

4.1.1 System Requirements

The **Readme.txt** file on the e*Gate installation CD-ROM contains the most up-to-date operating system requirements for the supported platforms. The requirements listed below are in addition to the operating system requirements.

e*Gate is available on the following UNIX operating systems:

- Solaris 2.6, 7, and 8, with required patches
- Solaris 2.6, 7, and 8 (Japanese), with required patches
- Solaris 8 (Korean), with required patches
- Traditional Chinese (BIG5) Solaris 8
- AIX 4.3.3 and 5.1
- AIX 4.3.3 (Korean)
- HP-UX 11.0 and HP-UX 11i, with required patches and parameter changes
- HP-UX 11.0 (Japanese), with required patches
- HP-UX 11.0 (Korean)
- Compaq Tru64 UNIX V4.0F, V5.0A, and V5.1A
- Red Hat Linux 6.2 (See **"Installation Instructions for Linux"** on page 75 for details)
- OS/390 V2R10

To use e*Gate, as a minimum you should have the following:

- An e*Gate Participating Host, version 4.5 or later, with certain restrictions and exceptions:
 - ♦ On AIX 5.1, an e*Gate Participating Host at version 4.5.2 or later is required for running e*Ways at version 4.5.2.
 - ♦ On AIX 4.3.3, an e*Gate Participating Host at version 4.5.1 or later is required for running e*Ways at version 4.5.
 - ♦ Certain e*Ways at version 4.5.2 and later may require an ESR to allow them to run on an e*Gate Participating Host at version 4.5.1. For details, refer to the **Readme.txt** file for e*Gate 4.5.1.
- A TCP/IP network connection
- 512 MB RAM
- 20–30 GB free disk space for executable, configuration, library, and script files.
- CPU: minimum 400 MHz; dual (or multi) CPUs recommended for best performance.

Note: For accurate sizing of a test or production system, consult “Determining Hardware Requirements” in the *SeeBeyond eBusiness Integration Suite Deployment Guide (Deployment_Guide.pdf)*.

External System Requirements

- For information on Oracle and Sybase requirements, see the *e*Gate Integrator Intelligent Queue Services Reference Guide*.

4.1.2 Disk Space Requirements

e*Gate components require the following minimum disk space. Additional space is required for data storage; those requirements vary based upon each installation’s implementation. See Table 3.

Table 3 UNIX Platform Disk Space Requirements

Operating System	Registry Host	Participating Host
AIX	100–320 MB	125 MB
Compaq Tru64 UNIX	70–315 MB	75 MB
HP-UX	65–310 MB	100 MB
Solaris	55–330 MB	75 MB
OS/390	130 MB Allows for the installation of the .taz files.	250 MB
Note: The Registry Host column presents a range: The lower figure installs only that platform while the higher figure installs all supporting platforms.		

For add-on size requirements, check the e*Gate Add-on Applications installation on the CD-ROM. Clicking on a selected add-on allows you to see the required amount of space that add-on requires. e*Ways can range between 3 and 10 MB in size, and Event Type libraries can range between 1 and 100 MB or larger in size.

4.2 Pre-Installation

This section explains issues you must consider before you begin your UNIX installation.

Note: *If you have the environmental variable TEMP set to any value during the installation, that value must be a directory path location (writable by the installing user). Otherwise, the installation will fail.*

4.2.1 The “egate” User

The user name under which you install the e*Gate files owns the e*Gate files, and all e*Gate processes are run under this user name. We suggest that you create an “egate” user for this purpose, but you can use any user name that meets your installation’s security requirements.

Required privileges

You need regular (non-root) user access to begin the e*Gate installation. You do not need root privileges. However, the installation utility will prompt you for the root password to install e*Gate startup files in protected directories. If you do not have access to the root password, the installation utility will create startup files that you can ask a system administrator to install for you.

Note: *It is not recommended to run as root. See the [procedure on page 112 \(13\)](#). For additional information on passwords, see the *e*Gate Integrator System Administration and Operations Guide*, which is available on the installation CD-ROM 2 (*docs\System_Admin_Guide.pdf*).*

Disk-space quota limitations

The “egate” user, or any user that you use to install the e*Gate system, must have *no* disk-quota limitations imposed. e*Gate calculates “available disk space” in terms of total disk space available on the system, and does no quota checking. If you impose a disk-quota restriction on the “egate” user, you risk losing data when IQ-storage demands exceed the user’s quota.

4.2.2 Uninstalling e*Gate

To uninstall e*Gate:

- 1 Kill the following e*Gate processes:
 - ♦ Registry
 - ♦ Control Broker(s) and any other SeeBeyond processes
 - ♦ Lightweight Installer (**stcinstd**)
- 2 Remove the e*Gate directories.
- 3 Remove the following files:
 - ♦ **.egate.store**
 - ♦ **egate.ini**

4.2.3 Solaris

nscd must be running on Solaris to install e*Gate successfully

Solaris must have **nscd** running. If it is not running, the default schema fails to import properly during installation, and e*Gate cannot be installed.

Solaris patch requirements

Solaris operating systems require one of the following patches before e*Gate can be installed. If the patch is not installed, the setup program will detect it.

These patches are available from Sun (see Table 4), either from a current operating system CD-ROM or downloaded from:

<http://sunsolve.sun.com>

Table 4 Available Solaris Patches

Operating System	Patch # and Description
Solaris 2.6	105591-07: /lib/libCrun.so.1 (part of the SUNWlibC package for Solaris 7)
Solaris 7	106327: Shared library patch for C++

The following patches are required for the Java 1.3 when using Solaris 2.6:

- 105181-26 Kernel Thread patch
- 105210-38
- 106429-02
- 105568-23 Thread patch

These patches are available at Sun at:

<http://java.sun.com>

Note: For additional patches that are recommended, but not required, see [Appendix A](#).

4.2.4 HP-UX System Parameter Changes

If you are installing e*Gate on an HP-UX 11.0 or an HP-UX 11i system (see Table 5), make the following changes to system parameters:

Table 5 e*Gate Values on an HP-UX 11 System

Parameter	Value
semnmi	1024
semnms	16384
semnmu	2048
semume	256
shmmni	1024
shmseg	1024

Note: Services installed are not autostarted on system boot for non-root users. Startup scripts for services installed will be stored in a directory `rc3.d` under your home directory. It is not recommended to run as root. See the [procedure on page 112 \(13\)](#).

4.2.5 HP-UX Operating System Patches

If you encounter a problem with an HP-UX OS patch while installing e*Gate, pull the following HP-UX patch:

PHNE_22397 (cumulative ARPA Transport patch)

and replace it with **PHNE_21767**.

Caution: If you do not have a problem with the installation of the patches, do not replace the above patch.

4.2.6 Compaq Tru64 UNIX

This section details changes to the installation procedure required to install e*Gate on Compaq Tru64 UNIX systems.

Installation procedure

The basic installation procedure for Compaq Tru64 UNIX systems is essentially the same as installing e*Gate on other UNIX systems. For complete UNIX installation instructions, see [“Installation Instructions for UNIX” on page 52](#).

Important: *The e*Gate system is compatible with Compaq Tru64 UNIX V4.0F, V5.0A, and V5.1A.*

Installation procedures for e*Gate add-ons in Tru64 are the same as those explained under UNIX instructions in the appropriate add-on user’s guide.

Changes

When installing e*Gate on a Compaq Tru64 UNIX system, use the procedure for UNIX installation with the following changes:

- During installation and operation, e*Gate requires that both **rpc.lockd** and **statd** be running.
- SeeBeyond recommends using **/opt/gnu/bin/tar** to extract the files from the archive.

Supported patches

SeeBeyond has tested the system against the following patches:

- [“Compaq Tru64 UNIX V4.0F patch” on page 58](#)
- [“Compaq Tru64 UNIX V5.0A patch” on page 58](#)
- [“Compaq Tru64 UNIX V5.1A patches” on page 58](#)

Even though applications that are developed using the Compaq C++ compiler are shipped with the Tru64 UNIX operating system, they must be updated. This is because they require functionality that is provided in the C++ Run-Time Library, and newer versions of the run-time library are released with each new version of the compiler. These updates of the libraries provide bug fixes and support for new features in the compiler, and must be installed on Tru64.

If you do not have a compiler installed, we recommend that you download and install the correct libraries for your system from the following location:

<ftp://ftp.compaq.com/pub/products/C-CXX/tru64/>

Note: *A specialized FTP browser is required to access an FTP site from this document.*

Compaq Tru64 UNIX V4.0F patch

There is one certified patch for Compaq Tru64 UNIX V4.0F:

DUV40FB18AS0007-20020102

Compaq Tru64 UNIX V5.0A patch

There is one certified patch for Compaq Tru64 UNIX V5.0A:

T64V50AAS0003-20010523

Compaq Tru64 UNIX V5.1A patches

There are two certified patches for Compaq Tru64 UNIX V5.1A:

- T64V51AB02AS0002-20020513 OSF520
- T64V51AB2-C0031400-14465-E-20020531 OSF520

For Compaq Tru64 UNIX V5.1A patches only

After installing the patches for Compaq Tru64 UNIX V5.1A, reconfigure the memory allocation from immediate to deferred mode by performing the following:

```
/etc/sysconfigtab  
  
vm:  
    vm-swap-eager=0
```

4.2.7 In-schema Debugging

JDK 1.3.1_01 (Java 2 SDK, Standard Edition, v 1.3.1_01) is required for some GUIs on the Participating Host, such as In-schema debugging. To locate the appropriate Java port for the Java 2 SDK download for a specific platform (for example: AIX):

<http://java.sun.com/cgi-bin/java-ports.cgi>

4.2.8 Default User Names and Passwords

e*Gate's default "Administrator" user name and password are found in the **Readme.txt** file in the root directory of the installation CD-ROM. Be aware that these names are case sensitive when the installation process prompts for them.

Note: For additional information, see the *e*Gate Integrator System Administration and Operations Guide*, which is available on the installation CD-ROM 2 (*docs\System_Admin_Guide.pdf*).

4.3 e*Gate Installation Modules

The e*Gate installation must be performed in the following order:

- 1 e*Gate Registry Server
- 2 e*Gate Participating Host
- 3 e*Gate Add-on Applications

Important: *The e*Gate GUIs must be installed on a Windows system; see [Chapter 3](#) for more information.*

4.3.1 Using the Install Application

While running the install script, type - (hyphen) to back up to the previous step or QUIT (all capitals) to exit the installation.

Press **Enter** to continue with the installation.

4.3.2 Privileges Required to Install e*Gate

Even though root privileges are not required for the user running the install application, you will be prompted for the root password during installation. Please see [The “egate” User](#) on page 54 for additional information.

4.3.3 Launching the Installation Script

The installation script **setup.sh** is located in the **/Setup** folder of the installation CD-ROM.

To launch the installation script

- 1 Log in as either a non-root or root user on the workstation containing the CD-ROM drive, and insert the CD-ROM into the drive.

Important: *There can be as many as nine installation CD-ROMs (depending upon what products were ordered); the Registry Host and the Participating Host can be found on CD-ROM 1, the add-ons can be found on CD-ROM 3, and the UN/EDIFACT ETD and X12 ETD library add-ons can be found on CD-ROM 6 through CD-ROM 9.*

- 2 If necessary, mount the CD-ROM drive. On HP-UX systems, you must mount the drive with this command:

```
/etc/mount -F cdfs -o cdcase /dev /cdrom
```

where **/cdrom** is the mount point.

Caution: *Before beginning an installation, check whether the file **/tmp/stcregutil.log** has been generated by another user. If so, ask the user who generated this file to delete it.*

Otherwise, your installation will fail, and you will receive a permission error message that asks you to remove this file.

- 3 At the shell prompt, type:
cd /cdrom/setup
- 4 Start the installation script by typing:
setup.sh

Note: *You must install Registry Host components first.*

4.4 Installing the Registry Host

The Registry Server is located on the e*Gate installation CD-ROM disc 1 (e*Gate Registry Host and e*Gate Participating Host). See **“Overview: e*Gate Installation Components” on page 30** for a listing of the location of the e*Gate components on the installation CD-ROMs.

To install the Registry Server

- 1 Start the installation script (discussed in the [procedure on page 59](#)).
- 2 A message appears; it notifies you that services do not start automatically for non-root users. Press **Enter** to continue.
- 3 A message appears; it confirms that you are running the e*Gate installation script, and reminds you that you can type - (hyphen) to back up a step or **QUIT** (all capitals) to exit the install program. Press **Enter** to continue.
- 4 You are prompted to accept the license agreement. Type **y** and press **Enter**.

The platform type and a menu of options displays:

```
Installation type (choose one):  
0. Finished with installation. Quit.  
1. e*Gate Participating Host (Client)  
2. e*Gate Registry Server
```

Note: *The actual installation order is reverse of how the steps are numbered. For example, menu option 2, “e*Gate Registry Server,” would be the first step you perform, and menu option 0, “Finished with installation. Quit,” would be the third step you perform.*

- 5 Type **2** and press **Enter** to install the Registry Server.
- 6 You are prompted for the installation path. Press **Enter** to accept the default path, or enter a new path and press **Enter**.
 - If you are logged in under a user name, the suggested path is **/home/username/egate/server**.
 - If you are logged in as root, the suggested path is **/opt/egate/server**.

Note: *It is not recommended to run as root. See the [procedure on page 112 \(13\)](#).*

Whether you install e*Gate to a **/home** directory or to an application directory such as **/opt**, we strongly recommend that you use the recommended relative path **egate/server** as the destination directory for the Registry Host installation.

- 7 This version of e*Gate permits the use of Access Control List (ACL) security. For more information on ACL security see the *e*Gate Integrator System Administration and Operations Guide*, which is available on the installation CD-ROM 2 (**docs\System_Admin_Guide.pdf**).

```
Do you wish to enable ACL security now [no]:  
The default is "no;" to select it press Enter. To select "yes," type y and press Enter.
```

Note: *You can enable or disable ACL security at any time.*

- 8 You are prompted to select a Registry Replication option (see ["The Distributed Registry" on page 17](#) for more information about the available types of Registry Hosts).

```
Choose Registry Replication Option.  
* indicates previous installation detected.  
1. None  
2. Primary  
3. Secondary
```

Type the appropriate number and press **Enter**.

- 9 What you do next depends on the type of Registry Host you are installing.
 - ♦ If you are installing a Primary Registry Host, skip ahead to the section ["Primary Registry Host Installation" on page 63](#).
 - ♦ If you are installing a Secondary Registry Host, skip ahead to the section ["Secondary Registry Host Installation" on page 64](#).

Note: *If you do not specify a Secondary Registry Host during the installation, but later decide to specify one, see the *e*Gate Integrator System Administration and Operations Guide*, which is available on the installation CD-ROM 2 (**docs\System_Admin_Guide.pdf**).*

- ♦ If you are not installing Registry Replication, continue with the next step.

- 10 The installation process begins. From time to time, you are prompted to press **Enter** as different stages of the installation are completed. Press **Enter** each time that you are prompted to do so.
- 11 The root password is now required to enable autostart of the e*Gate Registry Service. Enter it at the password prompt.

If you do not know the root password, or do not want to install the startup scripts at this time, press **Enter** at the password prompt.

- 12 After a number of files have been installed, a new menu of options displays:

```
Choose participating host platform to install in repository.  
* indicates previous installation detected.  
0. Finished installing client platforms; continue.  
1. hpux11  
2. sparc26  
3. aix43  
4. win32  
5. ctru64_4  
6. linux6x86  
7. os/390
```

This menu selects which operating systems will be supported by this Registry Host. Type the number corresponding to the platform that you want this Registry Host to support and press **Enter**.

- 13 The requested files are installed, and the “participating host platform” menu appears again. Repeat step 12 above to install support for each additional platform as required. When you have installed all the required files, type **0** and press **Enter** to continue.
- 14 A message appears regarding the creation of helper scripts. Press **Enter** when you are prompted to do so.
- 15 If you are not upgrading an earlier version of e*Gate, skip this step.
- If you are upgrading an earlier version of e*Gate, you are asked whether to backup existing schema. We recommend you do back them up; enter **y** or **n** as appropriate, then press **Enter**.
- 16 When prompted, enter and verify the e*Gate **Administrator** password. (This only sets the e*Gate Administrator password and does not affect any passwords or users at the operating-system level.) The default password is listed in the **Readme.txt** file in the root directory of the installation CD-ROM.

Note: *e*Gate user names and passwords are case-sensitive. For additional information, see the e*Gate Integrator System Administration and Operations Guide, which is available on the installation CD-ROM 2 (docs\System_Admin_Guide.pdf).*

- 17 The setup utility is ready to start the Registry service.

```
Please specify the registry port number [23001]: nnnnn  
Press Enter to accept the default port number (23001) or type a different port  
number and then press Enter.
```

Note: *Using different Registry port numbers allows additional users to use this machine.*

- 18 The installation utility then imports default services, default monitors, and the system init (boot-time) files. At each stage, you are prompted to press **Enter** to continue; press **Enter** each time as requested.
- 19 When the “installation type” menu appears, the Registry Host installation is complete. Do one of the following:
- ♦ To exit the setup utility, type **0** and press **Enter**.

- ♦ Select another option and continue installing the other installation types. Instructions for installing the Participating Host appear in **“Installing the Participating Host” on page 67**. For instructions regarding the add-on applications, see **“Installing the Add-on Applications” on page 69**.

4.4.1 Primary Registry Host Installation

The installation procedure for the Primary Registry Host continues here. If you have not already begun the installation, go back to **“Launching the Installation Script” on page 59**.

Note: *If you are upgrading an earlier version of e*Gate, the installation asks whether to backup existing schema. We recommend you do back them up. When prompted, enter **y** or **n** as appropriate, then press **Enter**.*

To install the Primary Registry host

- 1 Enter and verify the Administrator password on the Primary Registry Host.

Note: *For additional information on the Administrator and passwords, see the **e*Gate Integrator System Administration and Operations Guide**, which is available on the installation CD-ROM 2 (`docs\System_Admin_Guide.pdf`).*

- 2 If you are upgrading an earlier version of e*Gate, you are asked whether to backup existing schema. We recommend you answer “yes.”
- 3 The installation proceeds. From time to time, you may be prompted to press **Enter** to continue; press **Enter** when prompted to do so.
- 4 When you are asked to choose the participating-host platforms that this Registry Host will support, select a platform and press **Enter**. Repeat this step until all platforms have been installed; then, select **0** and press **Enter**.

Note: *During installation of the Primary Host, you must select the platform of both the Primary Host and the Secondary Host.*

- 5 You may be prompted to re-enter the root password (this is required so that startup files can be installed in a protected directory). Enter the password and press **Enter**, or simply press **Enter** to skip installing the startup files.
- 6 The installation proceeds. From time to time, you may be prompted to press **Enter** to continue; press **Enter** when prompted to do so.
- 7 When you are prompted for the installation path for the Participating Host components required to perform Registry Replication, press **Enter** to accept the default path, or enter a new path and press **Enter**.
 - If you are logged in under a user name, the suggested path is `/home/username/egate/client`.
 - If you are logged in as root, the suggested path is `/opt/egate/client`.

Note: *It is not recommended to run as root. See the **procedure on page 112 (13)**.*

Whether you install e*Gate to a **/home** directory or to an application directory such as **/opt**, we strongly recommend that you use the recommended relative path **egate/client** as the destination directory for the Registry Host installation.

- 8 The installation process continues. From time to time, you will be prompted to press **Enter** as different stages of the installation are completed. Press **Enter** each time that you are prompted to do so. You will also be asked to re-enter the root password. When prompted, enter the password, or simply press **Enter** if you do not have the password available.
- 9 When the “installation type” menu appears, the Registry Host installation is complete. Do one of the following:
 - To exit the setup utility, type **0** and press **Enter**.
 - Select another option and continue installing the other installation types. Instructions for installing the Participating Host appear in **“Installing the Participating Host” on page 67**. For instructions regarding the add-on applications, see **“Installing the Add-on Applications” on page 69**.

Note: *If you have installed Registry Replication, you should not install another Participating Host.*

Caution: *When specifying Registry Hosts, primary or secondary, you must specify hosts that are known to the system where the installation is being performed. It is not recommended to use IP addresses. Instead, use logical names for host names.*

4.4.2 Secondary Registry Host Installation

Note: *If you are upgrading an earlier version of e*Gate, the installation asks whether to backup existing schema. We recommend you do back them up. When prompted, enter **y** or **n** as appropriate, then press **Enter**.*

Note: *Adding another Secondary Registry Host after you have installed the Primary and Secondary Registry Hosts breaks the replication configuration. If a Secondary Registry Host is added at this time, you must open your Registry Replication schema, change all your pub-sub, and add an IQ Manager to the schema.*

The installation procedure for the Secondary Registry Host continues here. If you have not already begun the installation, go back to **“Launching the Installation Script” on page 59**.

- 1 Enter the Primary Host’s logical name.
- 2 Enter and verify the Administrator password on the Primary Registry Host.

Note: *For additional information on the Administrator and passwords, see the **e*Gate Integrator System Administration and Operations Guide**, which is available on the installation CD-ROM 2 (**docs\System_Admin_Guide.pdf**).*

- 3 When prompted, enter the installation directory. We recommend that you use the suggested default.

- 4 The installation proceeds. When you install a Secondary Registry Host, the installation utility automatically sets up the Registry Replication schema, including a Control Broker. From time to time, you may be prompted to press **Enter** to continue; press **Enter** when prompted to do so.
- 5 You may be prompted to re-enter the root password (this is required so that startup files can be installed in a protected directory). Enter the password and press **Enter**, or simply press **Enter** to skip installing the startup files.
- 6 When you are prompted for the installation path, press **Enter** to accept the default path, or enter a new path and press **Enter**.
 - ♦ If you are logged in under a user name, the suggested path is **/home/username/egate/server**.
 - ♦ If you are logged in as root, the suggested path is **/opt/egate/server**.

Note: *It is not recommended to run as root. See the [procedure on page 112 \(13\)](#).*

Whether you install e*Gate to a **/home** directory or to an application directory such as **/opt**, we strongly recommend that you use the recommended relative path **egate/server** as the destination directory for the Registry Host installation.

- 7 The installation process continues. From time to time, you are prompted to press **Enter** as different stages of the installation are completed. Press **Enter** each time that you are prompted to do so.
- 8 After a number of files have been installed, a new menu of options displays:

```
Choose participating host platform to install in repository.  
* indicates previous installation detected.  
0. Finished installing client platforms; continue.  
1. hpux11  
2. sparc26  
3. aix43  
4. win32  
5. ctru64_4  
6. linux6x86  
7. os/390
```

This menu selects which operating systems will be supported by this Registry Host. Type the number corresponding to the platform that you want this Registry Host to support and press **Enter**.

- 9 The requested files are installed, and the “participating host platform” menu reappears. Repeat step 12 above to install support for each additional platform as required. When you have installed all the required files, type **0** and press **Enter** to continue.
- 10 A message regarding the creation of helper scripts appears. Press **Enter** when you are prompted to do so.
- 11 If you are not upgrading an earlier version of e*Gate, skip this step.

If you are upgrading an earlier version of e*Gate, you are asked whether to backup existing schema. We recommend you do back them up; enter **y** or **n** as appropriate, then press **Enter**.

- 12 When prompted, enter and verify the e*Gate **Administrator** password. (This only sets the e*Gate Administrator password and does not affect any passwords or users at the operating-system level.) The default password is listed in the **Readme.txt** file in the root directory of the installation CD-ROM.

Note: *e*Gate user names and passwords are case-sensitive. For additional information, see the e*Gate Integrator System Administration and Operations Guide, which is available on the installation CD-ROM 2 (docs\System_Admin_Guide.pdf).*

- 13 The setup utility attempts to start the Registry service. Press **Enter** to continue when the prompt appears.
- 14 The installation utility now imports default services, default monitors, and the system init (boot-time) files. At each stage, you are prompted to press **Enter** to continue; press **Enter** each time as requested.

At the end of the installation process, the following message appears:

```
Before any e*Gate applications begin using the Secondary Registry Host, you must manually copy the Primary Registry Host's "<Installed Directory>\registry\repository" directory tree (including all files and subdirectories) to the Secondary Registry Host. You may use any method you like to copy the files, but you must do so BEFORE allowing any e*Gate applications to access the Secondary Registry Host.
```

Before you install other e*Gate components (such as add-ons) that will rely upon the Secondary Registry Host that you have just installed, you must perform this step and copy the "\registry\repository" directory tree from the Primary Host to the corresponding tree on the Secondary Registry Host. This is the only time you will need to copy files manually. Subsequent changes to the Primary Registry Host are automatically propagated to the Secondary Registry Host.

Note: *Adding another Secondary Registry Host after you have installed the Primary and Secondary Registry Hosts breaks the replication configuration. If a Secondary Registry Host is added at this time, you must open your **Registry Replication** schema, change all your pub-sub, and add an IQ Manager to the schema.*

*If you do not specify a Secondary Registry Host during the installation, but later decide to specify one, see the e*Gate Integrator System Administration and Operations Guide, which is available on the installation CD-ROM 2 (docs\System_Admin_Guide.pdf).*

- 15 When the "Installation type" menu appears, the Registry Host installation is complete. Do one of the following:
 - To exit the setup utility, type **0** and press **Enter**.
 - Select another option and continue installing the other installation types. Instructions for installing the Participating Host appear in "**Installing the Participating Host**" on page 67. For instructions regarding the add-on applications, see "**Installing the Add-on Applications**" on page 69.

Caution: *When specifying Registry Hosts, primary or secondary, you must specify hosts that are known to the system where the installation is being performed. It is not recommended to use IP addresses. Instead, use logical names for host names.*

4.5 Installing the Participating Host

The Participating Host is located on the e*Gate installation CD-ROM disc 1 (e*Gate Registry Host and e*Gate Participating Host). See **“Overview: e*Gate Installation Components” on page 30** for a listing of the location of the e*Gate components on the installation CD-ROMs.

Note: *If you have installed Registry Replication, you should not install another Participating Host.*

Important upgrade information

If you are upgrading from an earlier version of e*Gate, make sure that the Registry Host supporting this Participating Host is up and running on the default port. However, you must also make sure that all e*Gate client programs as well as any Control Brokers and the lightweight install daemon (**stcinstd.exe**) are stopped before proceeding with this installation.

Caution: *When specifying Participating Hosts, you must specify hosts that are known to the system where installation is being performed. It is not recommended to use IP addresses. Instead, use logical names for host names.*

To install the Participating Host

- 1 If you have not already done so, start the installation script (discussed in the **procedure on page 59**), acknowledge the initial prompts, and accept the license agreement (see steps 2 through 4 in the **procedure on page 60**).

The platform type and a menu of options display:

```
Installation type (choose one):  
0. Finished with installation. Quit.  
1. e*Gate Participating Host (Client)  
2. e*Gate Registry Server
```

Note: *The actual installation order is reverse of how the steps are numbered. For example, menu option 1, “e*Gate Registry Server,” would be the first step you perform, and menu option 0, “Finished with installation. Quit,” would be the third step you perform.*

- 2 Type **1** and press **Enter** to select the e*Gate Participating Host (Client) as the installation type.
- 3 Select the installation path.
 - If you are logged in under any user name, we recommend that you enter **/home/username/egate/client**.

- If you are logged in as root, we recommend that you enter **/opt/egate/client**.

Note: *It is not recommended to run as root.*

Whether you install e*Gate to a **/home** directory or to an application directory such as **/opt**, we strongly recommend that you use the recommended relative path **egate/client** as the destination directory for the Participating Host installation.

- 4 Next you are required to enable or disable In-schema debugging (the e*Gate Java Debugger) for this Participating Host:

```
Do you wish to enable In-schema debugging on this parthost? [yes]:  
Type y for yes or n for no if you do not intend to use this option. If you select y, you  
will be prompted to enter the location of your Java 2 SDK installation. Make sure to  
enter the location of the Java 2 SDK; JRE will not work with In-schema debugging.
```

Note: *For more information on this option, see Appendix A, “e*Gate Java Debugger,” in the e*Gate Integrator User’s Guide.*

- 5 Enter the name of the Registry Server that will support this Participating Host. If the installation utility detects a Registry Host running on the current host, it will suggest that host’s name.
 - ♦ To accept the default, press **Enter**.
 - ♦ To enter another Registry Host name, type the name and then click **Enter**.
- 6 Enter the port number for the Registry Host.
 - ♦ To accept the default, press **Enter**.
 - ♦ To enter another port number, type the number and then click **Enter**.

Note: *The port number must match the Registry’s port number.*

- 7 Enter the name of the schema that this Participating Host will support.
- 8 You are prompted for the “Administration Login” (an e*Gate user with sufficient privilege to create components within a schema). The default is **Administrator**; unless you have created a different “administrative” user name, press **Enter** to accept the default. The default password is listed in the **Readme.txt** file in the root directory of the installation CD-ROM.
- 9 Enter and confirm the password for the user specified in the step above.

Note: *e*Gate user names and passwords are case-sensitive. For additional information, see the e*Gate Integrator System Administration and Operations Guide, which is available on the installation CD-ROM 2 (docs\System_Admin_Guide.pdf).*

- 10 Enter a name for the Participating Host’s Control Broker. The suggested default is **hostname_cb**. We recommend you accept the default name.
- 11 The installation script unpacks and installs Participating Host files, creates helper scripts, and adds information to the e*Gate Registry. From time to time, you are

- prompted to press **Enter** to continue; press **Enter** each time you are prompted to do so.
- 12 In a few minutes, you are prompted for the location of the e*Gate password file. Press **Enter** to accept the suggested default, then press **Enter** again when prompted.
 - 13 You are prompted to enter the root password; enter it now, or simply press **Enter** if you do not know the password. If you do not know the password, you are reminded that **rc** scripts will be stored in your home directory; press **Enter** to continue.
 - 14 The installation proceeds. From time to time, you are prompted to press **Enter** to continue; press **Enter** each time you are prompted to do so.
 - 15 The setup utility attempts to start the Control Broker. Press **Enter** to continue when the prompt appears.
 - 16 A message appears; it lists shell scripts and the directory in which they will be created. You must execute these scripts or add their contents to your **.profile** or **.cshrc** file prior to executing e*Gate applications from the command line.
 - 17 When the “Installation type” menu appears, the Participating Host installation is complete. Do one of the following:
 - ♦ To exit the setup utility, type **0** and press **Enter**.
 - ♦ Select another option and continue installing the other installation types. See [“Installing the Add-on Applications” on page 69](#) for instructions on installing the add-on applications.

Note: *If you are using Registry Replication, you must update the two Collaboration Rules in the **RegistryReplication** schema (on all Registry Hosts) to use the **Pass Through** service.*

4.6 Installing the Add-on Applications

Note: *The add-ons can be found on CD-ROM 3 (depending upon how many add-ons are ordered, an additional CD-ROM may be required), and the xCBL ETD, UN/EDIFACT ETD, and X12 ETD library add-ons can be found on CD-ROM 5 through CD-ROM 9.*

To install the add-on applications

- 1 If you have not already done so, load and mount one of the add-on CD-ROMs, start the installation script (discussed in the [procedure on page 59](#)), acknowledge the initial prompts, and accept the license agreement (see steps 2 through 4 in the [procedure on page 60](#)).

The platform type and a menu of options display:

```
Installation type (choose one):  
0. Finished with installation. Quit.  
1. e*Gate Add-on Applications
```

Note: *The actual installation order is reverse of how the steps are numbered. For example, menu option 1, “e*Gate Registry Server,” would be the first step you perform, and menu option 0, “Finished with installation. Quit,” would be the second step you perform.*

Note: *If you are installing an add-on application that includes a Build tool add-on to the ETD Editor, you must install the Windows version of the add-on on the appropriate system, **in addition to** the UNIX version, in order to access the Build tool.*

2 Type **1** to select the **e*Gate Addon Applications** and press **Enter**.

3 You are prompted for the installation path. Press **Enter** to accept the default path, or enter a new path and press **Enter**.

- ♦ If you are logged in under any user name, the suggested path is **/home/username/egate/client**.
- ♦ If you are logged in as root, the suggested path is **/opt/egate/client**.

Note: *It is not recommended to run as root. See the [procedure on page 112 \(13\)](#).*

Whether you install e*Gate to a **/home** directory or to an application directory such as **/opt**, we strongly recommend that you use the recommended relative path **egate/client** as the destination directory for the add-on-application installation.

Note: *When the installation of add-ons is initiated on a Participating Host, the contents of its Registry changes. The Registry Host will propagate this change to all Participating Hosts connected to that Registry.*

4 When prompted, type **U** to update (overwrite) and press **Enter**.

Note: **U** updates the installation, overriding files as necessary. **M** creates a directory and moves everything in the current directory to **directoryname.old**.

If you selected **U**, you will see a warning regarding shared **.exe** and **.dll** files. Read this warning and press **Enter** to continue.

5 Enter the name of the Registry Server supporting these add-on applications. If the installation utility detects a Registry Host running on the current host, it will suggest that host’s name.

- ♦ To accept the default, press **Enter**.
- ♦ To enter another Registry Host name, type the name and then click **Enter**.

6 Enter the port number for the Registry Host.

- ♦ To accept the default, press **Enter**.
- ♦ To enter another port number, type the number and then click **Enter**.

Note: *The port number must match the Registry’s port number.*

- 7 You are prompted for the “administration login” (an e*Gate user with sufficient privilege to create components within a schema). The default is **Administrator**; unless you have created a different “administrative” user name, press **Enter** to accept the default. The default password is listed in the **Readme.txt** file in the root directory of the installation CD-ROM.
- 8 Enter and confirm the password for the user specified in the step above.

Note: *e*Gate user names and passwords are case-sensitive. For additional information, see the **e*Gate Integrator System Administration and Operations Guide**, which is available on the installation CD-ROM 2 (`docs\System_Admin_Guide.pdf`).*

- 9 A menu of add-on options that is dependent upon your platform appears. For example:

For AIX:

```
Choose Add-on categories to install.  
0. Finished choosing add-on categories; continue  
1. eWays  
2. Agents  
3. IQs  
4. ETD Libraries
```

Type the number corresponding to the add-on package you want to install and press **Enter**. For example: “eWays.”

For Compac Tru 64:

```
Choose Add-on categories to install.  
0. Finished choosing add-on categories; continue  
1. eWays  
2. Agents  
3. ETD Libraries
```

Type the number corresponding to the add-on package you want to install and press **Enter**. For example: “ETD Libraries.”

For Solaris:

```
Choose Add-on categories to install.  
0. Finished choosing add-on categories; continue  
1. eWays  
2. Agents  
3. IQs  
4. ETD Libraries
```

Type the number corresponding to the add-on package you want to install and press **Enter**. For example: “IQs.”

Important: *You must install the add-ons that your system requires.*

Note: *If you install the HL7 Libraries, make sure you install them before installing the HL7 e*Way.*

- 10 A menu list of sub-components appears (as in the first example, “eWays”):

```
Choose Add-on eWays packages to install.
0. Finished installing add-on eWays packages; continue
1. Apache Web Server e*Way Client
2. Apache Web Server e*Way Server
3. ATG Dynamo e*Way
...
```

Type the number that corresponds to the add-on package you want to install and press **Enter**. Selecting any of the above options prompts for support of other platforms.

- 11 Selecting additional platforms on which the option will be available, creates softlinks for `.exe` files in `/home/sbondada/egate/client/bin`. For example:

```
Support hpux11 for Java_eWay add-on [No]:
Support sparc26 for Java_eWay add-on [No]:
Support win32 for Java_eWay add-on [No]:
...
```

The default for each platform is **No**. To accept the default for a platform, press **Enter**. To make the option available on a selected platform, type **Y** or **Yes** and press **Enter**.

- 12 After the add-on application has been installed, the “Choose add-on categories” menu appears. Repeat steps 9 through 12 to install additional packages, or type **0** and press **Enter** to continue.
- 13 When the “installation type” menu appears, the Add-on Applications installation is complete. Do the following:
- ♦ To exit the setup utility, type **0** and press **Enter**.

4.6.1 After Completing the Installation

After executing the Registry and Participating Host installations, a Bourne Shell (`.sh`) file and C Shell (`.csh`) file are created in the user-specified installation directory. You must run either script (depending on your shell) before executing e*Gate executables; you can also append the contents to your profile or `.cshrc` file.

Bourne Shell

Use the Bourne Shell (`.sh`) files `egateclient.sh` and `egatereg.sh` with `.profile`. There are two ways to use the e*Gate Bourne Shell (`.sh`) files with the `.profile` file:

- Copy and paste their contents into the `.profile` file.
- or
- Source these files from the `.profile` file by adding two lines in the `.profile` file:

```
. <path to location of file>/egateclient.sh
. <path to location of file>/egatereg.sh
```

Note: There must be a blank space between the initial period (`.`) and the start of the path for both lines.

C Shell

Use the C Shell (.csh) files **egateclient.csh** and **egatereg.csh** with **.cshrc**. There are two ways to use the e*Gate C Shell (.csh) files with the **.cshrc** file:

- Copy and paste their contents into the **.cshrc** file.
- or
- Source these files from the **.cshrc** file by adding two lines in the **.cshrc** file:

```
source <path to location of file>/egateclient.csh
source <path to location of file>/egatereg.csh
```

Other shell files

Korn Shell

When you use the Korn Shell (ksh), the contents of the **.profile** file is not read by the shell unless it is a login shell. Consult the Korn Shell documentation (that is, the “man” page) to ensure that a login shell is used. If this is not done, the measure taken in the section on the “**Bourne Shell**” on page 72 is ineffective.

To consult the Korn Shell documentation:

- At the UNIX prompt, type: **man <subject matter>**.

Note: <subject matter> could equal **ksh** or **bash**.

Bourne Again Shell

When you use the Bourne Again Shell (bash), the contents of the **.profile** file is not read by an interactive shell session unless it is a login shell; the file is *not* read if the session is an interactive shell that is not a login shell. Consult the Bourne Again Shell documentation to ensure the correct shell conditions exist for the measure discussed in the section on the “**Bourne Shell**” on page 72 to work.

4.7 HP-UX Patches

This section explains patches required for any e*Gate installation on an HP-UX machine.

Note: For additional information on HP-UX patch management, open <http://www.docs.hp.com/hpux/os/11.0/index.html#Patch%20Management>, navigate to the Patch Management section, and select the appropriate **.pdf** file.

Base patches

These patches are:

XSWG1100	B.11.00.43	HP-UX Extension Pack, December 1998
Y2K-1100	B.11.00.B0315	HP-UX Core OS Year 2000 Patch Bundle

Additional patches

The following HP-UX Patch packages (see Table 6) on top of extension and Base Y2K Bundles are required for e*Gate version 4.1:

Table 6 Additional HP-UX Patch Packages

Patch	Description
PHCO_16280	du (1) value for non-HP NFS systems incorrect
PHCO_17556	fscck_vxfs (1M) cumulative patch
PHCO_17792	Cumulative SAM/ObAM patch
PHCO_18132	Year 2000 HP-UX Operating System Patch Tool
PHCO_19182	Cumulative 10.20 libc compatibility support
PHCO_19491	libc cumulative patch
PHCO_19945	bdf (1M) patch to skip autofs file systems
PHKL_18543	PM/VM/UFS/async/scsi/io/DMAPI/JFS/perf patch
PHKL_18797	File system call fixes - utime (2),open
PHKL_19169	Correct VxFS process hangs
PHKL_19800	Fix unmount and MMF VxFS hangs
PHNE_17586	NFS Kernel General Release/Performance Patch
PHNE_18218	nettl (1M) and nettladm cumulative patch
PHNE_18221	ONC cumulative patch
PHNE_18972	Cumulative STREAMS Patch
PHNE_19081	LAN product cumulative patch
PHNE_19899	Cumulative ARPA Transport patch

Installation Instructions for Linux

This chapter provides instructions on how to install e*Gate on a Red Hat Linux system. If you have any questions or problems, please contact SeeBeyond's technical support group at (800) 798-0447. For online support, contact us at <http://www.seebeyond.com> and select **SERVICES** and then **SUPPORT SERVICES**.

5.1 Overview

Before installing e*Gate on your Linux system, please read the following sections to ensure a smooth and error-free installation.

Note: We recommend that you log on as a regular user when installing e*Gate.

Important: You must mount the CD-ROM using the option `-o check=r` with the mount command (that is, `mount -o check=r cdrom`).

5.1.1 System Requirements

The **Readme.txt** file on the e*Gate installation CD-ROM contains the most up-to-date operating system requirements for the supported platforms.

e*Gate for Linux is available on the following operating systems:

- Red Hat Linux 6.2

To use e*Gate on Linux, you need the following:

- An e*Gate Participating Host, version 4.5 or later.
- A TCP/IP network connection.

To use e*Gate, as a minimum you should have the following:

- An e*Gate Participating Host, version 4.5 or later
- A TCP/IP network connection
- 512 MB RAM
- 20–30 GB free disk space for executable, configuration, library, and script files.
- CPU: minimum 400 MHz; dual (or multi) CPUs recommended for best performance.

Note: For accurate sizing of a test or production system, consult “Determining Hardware Requirements” in the *SeeBeyond eBusiness Integration Suite Deployment Guide (Deployment_Guide.pdf)*.

External System Requirements

For information on Oracle and Sybase requirements, see the *e*Gate Integrator Intelligent Queue Services Reference Guide*.

5.1.2 Disk Space Requirements

e*Gate components require the following minimum disk space. Additional space is required for data storage; those requirements vary based upon each installation’s implementation. See Table 7.

Table 7 Linux Disk Space Requirements

Operating System	Registry Host	Participating Host
Linux	100 MB	90 MB

For add-on size requirements, check the e*Gate Add-on Applications installation on the CD-ROM. Clicking on a selected add-on allows you to see the required amount of space that add-on requires. e*Ways can range between 3 and 10 MB in size, and event type libraries can range between 1 and 100 MB or larger in size.

5.2 Pre-Installation

5.2.1 The “egate” User

The user name under which you install the e*Gate files owns the e*Gate files, and all e*Gate processes are run under this user name. We suggest that you create an “egate” user for this purpose, but you can use any user name that meets your installation’s security requirements.

Required privileges

You need regular (non-root) user access to begin the e*Gate installation. You do not need root privileges.

Note: It is not recommended to run as root. If you want the registry and services to autostart on a machine re-boot, you will need to either install as root, or after the install, log in as root and copy the script in the */rc3.d* directory to */etc*. See the [procedure on page 112 \(13\)](#).

Disk-space quota limitations

The “egate” user, or any user that you use to install the e*Gate system, must have *no* disk-quota limitations imposed. e*Gate calculates “available disk space” in terms of total disk space available on the system, and does no quota checking. If you impose a disk-quota restriction on the “egate” user, you risk losing data when IQ-storage demands exceed the user’s quota.

NFS file locking

In its default configuration, the RedHat Linux system does not have the NFS file locking service enabled. e*Gate requires NFS locking if it is to use a file system that is mounted from a remote server. Before starting the e*Gate setup program in such an environment, as the root user issue the following commands:

```
chkconfig --add nfslock
/etc/init.d/nfslock start
```

Note: It is not recommended to run as root. See the [procedure on page 112 \(13\)](#).

5.2.2 Uninstalling e*Gate

To uninstall e*Gate:

- 1 Kill the following e*Gate processes:
 - ♦ Registry
 - ♦ Control Broker(s) and any other SeeBeyond processes
 - ♦ Lightweight Installer (**stcinstd**)
- 2 Remove the e*Gate directories.
- 3 Remove the following files:
 - ♦ **egate.store**
 - ♦ **egate.ini**

5.2.3 Default User Names and Passwords

e*Gate’s default “Administrator” user name and password are found in the **Readme.txt** file in the root directory of the installation CD-ROM. Be aware that these names are case sensitive when the installation process prompts for them.

Note: For additional information, see the *e*Gate Integrator System Administration and Operations Guide*, which is available on the installation CD-ROM 2 (*docs\System_Admin_Guide.pdf*).

5.3 e*Gate Installation Modules

The e*Gate installation must be performed in the following order:

- 1 e*Gate Registry Server
- 2 e*Gate Participating Host
- 3 e*Gate Add-on Applications

The e*Gate GUIs must be installed on a Windows system; see [Chapter 3](#) for more information.

5.3.1 Using the Install Application

While running the install script, type - (hyphen) to back up to the previous step or **QUIT** (all capitals) to exit the installation.

Press **Enter** to continue with the installation.

5.3.2 Launching the Installation Script

The installation script **setup.sh** is located in the **/setup** folder of the installation CD-ROM.

Important: *Because Linux is incapable of using the **su** command in a script, you must perform the installation as the root user for the e*Gate Registry to automatically start on Linux after the system has been rebooted. If you do not complete the installation as the root user, the scripts will be deposited in the **\$HOME/rc3.d/** directory, and you will have to manually use the **stcregd** command to open the Registry.*

It is not recommended to run as root. See the [procedure on page 112](#) (number 13).

To launch the installation script

- 1 Log in as a non-root user on the workstation containing the CD-ROM drive, and insert the CD-ROM into the drive.

Important: *There can be as many as nine installation CD-ROMs (depending upon what products were ordered); the Registry Host and the Participating Host can be found on CD-ROM 1, the add-ons can be found on CD-ROM 3, and the xCBL ETD, UN/EDIFACT ETD, and X12 ETD library add-ons can be found on CD-ROM 5 through CD-ROM 9.*

- 2 If necessary, mount the CD-ROM drive. On HP-UX systems, you must mount the drive with this command:

```
/etc/mount -F cdfs -o cdcase /dev /cdrom
```

where **/cdrom** is the mount point.

Caution: Before beginning an installation, check whether the file `/tmp/stcregutil.log` has been generated by another user. If so, ask the user who generated this file to delete it. Otherwise, your installation will fail, and you will receive a permission error message that asks you to remove this file.

- 3 At the shell prompt, type:
cd /cdrom/setup
- 4 Start the installation script by typing:
setup.sh

Note: You must install Registry Host components first.

5.4 Installing the Registry Server

The Registry Server is located on the e*Gate installation CD-ROM disc 1 (e*Gate Registry Host and e*Gate Participating Host). See [“Overview: e*Gate Installation Components” on page 30](#) for a listing of the location of the e*Gate components on the installation CD-ROMs.

To install the Registry server

- 1 Start the installation script (discussed in the [procedure on page 78](#)).
- 2 A message appears; it notifies you that services do not start automatically for non-root users. Press **Enter** to continue.
- 3 A message appears; it confirms that you are running the e*Gate installation script, and reminds you that you can type - (hyphen) to back up a step or **QUIT** (all capitals) to exit the install program. Press **Enter** to continue.
- 4 You are prompted to accept the license agreement. Type **y** and press **Enter**.

The platform type and a menu of options displays:

```
Installation type (choose one):  
0. Finished with installation. Quit.  
1. e*Gate Participating Host (Client)  
2. e*Gate Registry Server
```

Note: The actual installation order is reverse of how the steps are numbered. For example, menu option 2, “e*Gate Registry Server,” would be the first step you perform, and menu option 0, “Finished with installation. Quit,” would be the third step you perform.

- 5 Type **2** and press **Enter** to install the Registry Server.

- 6 You are prompted to select a Registry Replication option (see [“The Distributed Registry” on page 17](#) for more information about the available types of Registry Hosts).

```
Choose Registry Replication Option.  
* indicates previous installation detected.  
1. None  
2. Primary  
3. Secondary
```

Type the appropriate number and press **Enter**.

- 7 What you do next depends on the type of Registry Host you are installing.
- ♦ If you are installing a Primary Registry Host, skip ahead to the section [“Primary Registry Host Installation” on page 82](#).
 - ♦ If you are installing a Secondary Registry Host, skip ahead to the section [“Secondary Registry Host Installation” on page 83](#).

Note: *If you do not specify a Secondary Registry Host during the installation, but later decide to specify one, see the [e*Gate Integrator System Administration and Operations Guide](#), which is available on the installation CD-ROM 2 (`docs\System_Admin_Guide.pdf`).*

- ♦ If you are not installing Registry Replication, continue with the next step.

- 8 You are prompted for the installation path. Press **Enter** to accept the default path, or enter a new path and press **Enter**.
- ♦ If you are logged in under a user name, the suggested path is `/home/username/egate/server`.
 - ♦ If you are logged in as root, the suggested path is `/opt/egate/server`.

Note: *It is not recommended to run as root. See the [procedure on page 112 \(13\)](#).*

Whether you install e*Gate to a `/home` directory or to an application directory such as `/opt`, we strongly recommend that you use the recommended relative path `egate/server` as the

destination directory for the Registry Host installation.

- 9 The installation process begins. From time to time, you are prompted to press **Enter** as different stages of the installation are completed. Press **Enter** each time that you are prompted to do so.
- 10 After a number of files have been installed, a new menu of options displays:

```
Choose participating host platform to install in repository.  
* indicates previous installation detected.  
0. Finished installing client platforms; continue.  
1. hpux11  
2. sparc26  
3. aix43  
4. win32  
5. ctru64_4  
6. linux6x86
```


This menu selects which operating systems will be supported by this Registry Host. Type the number corresponding to the platform that you want this Registry Host to support and press **Enter**.

- 11 The requested files are installed, and the “participating host platform” menu reappears. Repeat step 10 above to install support for each additional platform as required. When you have installed all the required files, type **0** and press **Enter** to continue.
- 12 A message regarding the creation of helper scripts appears. Press **Enter** when you are prompted to do so.
- 13 If you are not upgrading an earlier version of e*Gate, skip this step.

If you are upgrading an earlier version of e*Gate, you are asked whether to backup existing schema. We recommend you do back them up; enter **y** or **n** as appropriate, then press **Enter**.
- 14 When prompted, enter and verify the e*Gate **Administrator** password. (This only sets the e*Gate Administrator password and does not affect any passwords or users at the operating-system level.) The default password is listed in the **Readme.txt** file in the root directory of the installation CD-ROM.

*Note: e*Gate user names and passwords are case-sensitive. For additional information, see the e*Gate Integrator System Administration and Operations Guide, which is available on the installation CD-ROM 2 (docs\System_Admin_Guide.pdf).*

- 15 The setup utility is ready to start the Registry service.

Please specify the registry port number [XXXXXX].
Press **Enter** to accept the default port number or type a different port number and then press **Enter**.

Note: Using different Registry port numbers allows additional users to use this machine.

- 16 The installation utility then imports default services, default monitors, and the system init (boot-time) files. At each stage, you are prompted to press **Enter** to continue; press **Enter** each time as requested.
- 17 When the “installation type” menu appears, the Registry Host installation is complete. Do one of the following:
 - ♦ To exit the setup utility, type **0** and press **Enter**.
 - ♦ Select another option and continue installing the other installation types. Instructions for installing the Participating Host appear in **“Installing the Participating Host” on page 85**. For instructions regarding the add-on applications, see **“Installing the Add-on Applications” on page 87**.

5.4.1 Primary Registry Host Installation

The installation procedure for the Primary Registry Host continues here. If you have not already begun the installation, go back to [“Launching the Installation Script” on page 78](#).

Note: *If you are upgrading an earlier version of e*Gate, the installation asks whether to backup existing schema. We recommend you do back them up. When prompted, enter **y** or **n** as appropriate, then press **Enter**.*

- 1 Enter and verify the Administrator password on the Primary Registry Host.
- 2 If you are upgrading an earlier version of e*Gate, you are asked whether to backup existing schema. We recommend you answer “yes.”
- 3 The installation proceeds. From time to time, you may be prompted to press **Enter** to continue; press **Enter** when prompted to do so.
- 4 When you are asked to choose the participating-host platforms that this Registry Host will support, select a platform and press **Enter**. Repeat this step until all platforms have been installed; then, select **0** and press **Enter**.

Note: *During installation of the Primary Host, you must select the platform of both the Primary Host and the Secondary Host.*

- 5 The installation proceeds. From time to time, you may be prompted to press **Enter** to continue; press **Enter** when prompted to do so.
- 6 You will be prompted for the installation path for the Participating Host components required to perform Registry Replication. Press **Enter** to accept the default path, or enter a new path and press **Enter**.
 - ♦ If you are logged in under a user name, the suggested path is **/home/username/egate/client**.
 - ♦ If you are logged in as root, the suggested path is **/opt/egate/client**.

Note: *It is not recommended to run as root. See the [procedure on page 112 \(13\)](#).*

Whether you install e*Gate to a **/home** directory or to an application directory such as **/opt**, we strongly recommend that you use the recommended relative path “egate/client” as the destination directory for the Registry Host installation.

- 7 The installation process continues. From time to time, you will be prompted to press **Enter** as different stages of the installation are completed. Press **Enter** each time that you are prompted to do so.
- 8 When the “installation type” menu appears, the Registry Host installation is complete. Do one of the following:
 - ♦ To exit the setup utility, type **0** and press **Enter**.
 - ♦ Select another option and continue installing the other installation types. Instructions for installing the Participating Host appear in [“Installing the](#)

Participating Host” on page 85. For instructions regarding the add-on applications, see **“Installing the Add-on Applications” on page 87.**

Note: *If you have installed Registry Replication, you should not install another Participating Host.*

Caution: *When specifying Registry Hosts, primary or secondary, you must specify hosts that are known to the system where the installation is being performed. It is not recommended to use IP addresses. Instead, use logical names for host names.*

5.4.2 Secondary Registry Host Installation

Note: *If you are upgrading an earlier version of e*Gate, the installation asks whether to backup existing schema. We recommend you do back them up. When prompted, enter **y** or **n** as appropriate, then press **Enter**.*

Note: *Adding another Secondary Registry Host after you have installed the Primary and Secondary Registry Hosts breaks the replication configuration. If a Secondary Registry Host is added at this time, you must open your **Registry Replication** schema, change all your pub-sub, and add an IQ Manager to the schema.*

*If you do not specify a Secondary Registry Host during the installation, but later decide to specify one, see the **e*Gate Integrator System Administration and Operations Guide**.*

The installation procedure for the Secondary Registry Host continues here. If you have not already begun the installation, go back to **“Launching the Installation Script” on page 78.**

- 1 Enter the Primary Host name.
- 2 Enter and verify the Administrator password on the Primary Registry Host.
- 3 When prompted, enter the installation directory. We recommend that you use the suggested default.
- 4 The installation proceeds. When you install a Secondary Registry Host, the installation utility automatically sets up the Registry Replication schema, including a Control Broker. From time to time, you may be prompted to press **Enter** to continue; press **Enter** when prompted to do so.
- 5 When you are prompted for the installation path, press **Enter** to accept the default path, or enter a new path and press **Enter**.
 - ♦ If you are logged in under a user name, the suggested path is **/home/username/egate/server**.
 - ♦ If you are logged in as root, the suggested path is **/opt/egate/server**.

Note: *It is not recommended to run as root. See the **procedure on page 112 (13).***

Whether you install e*Gate to a **/home** directory or to an application directory such as **/opt**, we strongly recommend that you use the recommended relative path **egate/server** as the destination directory for the Registry Host installation.

- 6 The installation process continues. From time to time, you are prompted to press **Enter** as different stages of the installation are completed. Press **Enter** each time that you are prompted to do so.
- 7 After a number of files have been installed, a new menu of options displays:

```
Choose participating host platform to install in repository.  
* indicates previous installation detected.  
0. Finished installing client platforms; continue.  
1. hpux11  
2. sparc26  
3. aix43  
4. win32  
5. ctru64_4  
6. linux6x86
```

This menu selects which operating systems will be supported by this Registry Host. Type the number corresponding to the platform that you want this Registry Host to support and press **Enter**.

- 8 The requested files are installed, and the “participating host platform” menu reappears. Repeat step 7 above to install support for each additional platform as required. When you have installed all the required files, type **0** and press **Enter** to continue.
- 9 A message regarding the creation of helper scripts appears. Press **Enter** when you are prompted to do so.
- 10 If you are not upgrading an earlier version of e*Gate, skip this step.
If you are upgrading an earlier version of e*Gate, you are asked whether to backup existing schema. We recommend you do back them up; enter **y** or **n** as appropriate, then press **Enter**.
- 11 When prompted, enter and verify the e*Gate **Administrator** password. (This only sets the e*Gate Administrator password and does not affect any passwords or users at the operating-system level.) The default password is listed in the **Readme.txt** file in the root directory of the installation CD-ROM.

Note: *e*Gate user names and passwords are case-sensitive. For additional information, see the e*Gate Integrator System Administration and Operations Guide.*

- 12 The setup utility attempts to start the Registry service. Press **Enter** to continue when the prompt appears.
- 13 The installation utility now imports default services, default monitors, and the system init (boot-time) files. At each stage, you are prompted to press **Enter** to continue; press **Enter** each time as requested.

At the end of the installation process, the following message appears:

```
Before any e*Gate applications begin using the Secondary Registry  
Host, you must manually copy the Primary Registry Host's "<Installed  
Directory>\registry\repository" directory tree (including all files
```

and subdirectories) to the Secondary Registry Host. You may use any method you like to copy the files, but you must do so BEFORE allowing any e*Gate applications to access the Secondary Registry Host.

Before you install other e*Gate components (such as add-ons) that will rely upon the Secondary Registry Host that you have just installed, you must perform this step and copy the “\registry\repository” directory tree from the Primary Host to the corresponding tree on the Secondary Registry Host. This is the only time you will need to copy files manually. Subsequent changes to the Primary Registry Host automatically propagate to the Secondary Registry Host.

Note: *Adding another Secondary Registry Host after you have installed the Primary and Secondary Registry Hosts breaks the replication configuration. If a Secondary Registry Host is added at this time, you must open your **Registry Replication** schema, change all your pub-sub, and add an IQ Manager to the schema.*

- 14 When the “installation type” menu appears, the Registry Host installation is complete. Do one of the following:
 - ♦ To exit the setup utility, type **0** and press **Enter**.
 - ♦ Select another option and continue installing the other installation types. Instructions for installing the Participating Host appear in **“Installing the Participating Host” on page 85**. For instructions regarding the add-on applications, see **“Installing the Add-on Applications” on page 87**.

Caution: *When specifying Registry Hosts, primary or secondary, you must specify hosts that are known to the system where the installation is being performed. It is not recommended to use IP addresses. Instead, use logical names for host names.*

5.5 Installing the Participating Host

The Participating Host is located on the e*Gate installation CD-ROM disc 1 (e*Gate Registry Host and e*Gate Participating Host). See **“Overview: e*Gate Installation Components” on page 30** for a listing of the location of the e*Gate components on the installation CD-ROMs.

Note: *If you have installed Registry Replication, you should not install another Participating Host.*

Important upgrade information

If you are upgrading from an earlier version of e*Gate, make sure that the Registry Host supporting this Participating Host is up and running on the default port. However, you must also make sure that all e*Gate client programs as well as any Control Brokers and the lightweight install daemon (**stcinstd.exe**) are stopped before proceeding with this installation.

Caution: *When specifying Participating Hosts, you must specify hosts that are known to the system where installation is being performed. It is not recommended to use IP addresses. Instead, use logical names for host names.*

To install the Participating Host

- 1 If you have not already done so, start the installation script (discussed in the [procedure on page 78](#)), acknowledge the initial prompts, and accept the license agreement (see steps 2 through 4 in the [procedure on page 79](#)).

The platform type and a menu of options display:

```
Installation type (choose one):  
0. Finished with installation. Quit.  
1. e*Gate Participating Host (Client)  
2. e*Gate Registry Server
```

Note: *The actual installation order is reverse of how the steps are numbered. For example, menu option 1, “e*Gate Registry Server,” would be the first step you perform, and menu option 0, “Finished with installation. Quit,” would be the third step you perform.*

- 2 Type **1** and press **Enter** to select the e*Gate Participating Host (Client) as the installation type.
- 3 Select the installation path.
 - ♦ If you are logged in under any user name, we recommend that you enter **/home/username/egate/client**.
 - ♦ If you are logged in as root, we recommend that you enter **/opt/egate/client**.

Note: *It is not recommended to run as root. See the [procedure on page 112 \(13\)](#).*

Whether you install e*Gate to a **/home** directory or to an application directory such as **/opt**, we strongly recommend that you use the recommended relative path “egate/client” as the destination directory for the Participating Host installation.

- 4 Enter the name of the Registry Server that will support this Participating Host. If the installation utility detects a Registry Host running on the current host, it will suggest that host’s name.
 - ♦ To accept the default, press **Enter**.
 - ♦ To enter another Registry Host name, type the name and then click **Enter**.
- 5 Enter the port number for the Registry Host.
 - ♦ To accept the default, press **Enter**.
 - ♦ To enter another port number, type the number and then click **Enter**.

Note: *The port number must match the Registry’s port number.*

- 6 Enter the name of the schema that this Participating Host will support.

- 7 You are prompted for the “Administration Login” (an e*Gate user with sufficient privilege to create components within a schema). The default is **Administrator**; unless you have created a different “administrative” user name, press **Enter** to accept the default. The default password is listed in the **Readme.txt** file in the root directory of the installation CD-ROM.
- 8 Enter and confirm the password for the user specified in the step above.

Note: *e*Gate user names and passwords are case-sensitive. For additional information, see the **e*Gate Integrator System Administration and Operations Guide**.*

- 9 Enter a name for the Participating Host’s Control Broker. The suggested default is **hostname_cb**. We recommend you accept the default name.
- 10 The installation script unpacks and installs Participating Host files, creates helper scripts, and adds information to the e*Gate Registry. From time to time, you are prompted to press **Enter** to continue; press **Enter** each time you are prompted to do so.
- 11 In a few minutes, you are prompted for the location of the e*Gate password file. Press **Enter** to accept the suggested default, then press **Enter** again when prompted.
- 12 You are prompted that **rc** scripts will be stored in your home directory; press **Enter** to continue.
- 13 The installation proceeds. From time to time, you are prompted to press **Enter** to continue; press **Enter** each time you are prompted to do so.
- 14 A message appears; it lists shell scripts and the directory in which they will be created. You must execute these scripts or add their contents to your **.profile** or **.cshrc** file prior to executing e*Gate applications from the command line.
- 15 When the “Installation type” menu appears, the Participating Host installation is complete. Do one of the following:
 - ♦ To exit the setup utility, type **0** and press **Enter**.
 - ♦ Select another option and continue installing the other installation types. See **“Installing the Add-on Applications” on page 87** for instructions on installing the add-on applications.

Note: *If you are using Registry Replication, you must update the two Collaboration Rules in the **RegistryReplication** schema (on all Registry Hosts) to use the **Pass Through** service.*

5.6 Installing the Add-on Applications

Note: *The add-ons can be found on CD-ROM 3 (depending upon how many add-ons are ordered, an additional CD-ROM may be required), and the xCBL ETD, UN/EDIFACT ETD, and X12 ETD library add-ons can be found on CD-ROM 5 through CD-ROM 9.*

To install the add-on applications

- 1 If you have not already done so, load and mount CD-ROM 3, start the installation script (discussed in the [procedure on page 78](#)), acknowledge the initial prompts, and accept the license agreement (see steps 2 through 4 in the [procedure on page 79](#)).

The platform type and a menu of options display:

```
Installation type (choose one):  
0. Finished with installation. Quit.  
1. e*Gate Add-on Applications
```

Note: *The actual installation order is reverse of how the steps are numbered. For example, menu option 1, “e*Gate Registry Server,” would be the first step you perform, and menu option 0, “Finished with installation. Quit,” would be the second step you perform.*

Note: *If you are installing an add-on application that includes a Build tool add-on to the ETD Editor, you must install the Windows version of the add-on on the appropriate system, **in addition to** the Linux version, in order to access the Build tool.*

- 2 Type **1** to select the **e*Gate Addon Applications** and press **Enter**.
- 3 You are prompted for the installation path. Press **Enter** to accept the default path, or enter a new path and press **Enter**.
 - ♦ If you are logged in under any user name, the suggested path is **/home/username/egate/client**.
 - ♦ If you are logged in as root, the suggested path is **/opt/egate/client**.

Note: *It is not recommended to run as root. See the [procedure on page 112 \(13\)](#).*

Whether you install e*Gate to a **/home** directory or to an application directory such as **/opt**, we strongly recommend that you use the recommended relative path “egate/client” as the destination directory for the Add-on Applications installation.

Note: *When the installation of add-ons is initiated on a Participating Host, the contents of its Registry changes. The Registry Host will propagate this change to all Participating Hosts connected to that Registry.*

- 4 When prompted, type **U** to update (overwrite) and press **Enter**.

Note: ***U** updates the installation, overriding files as necessary. **M** creates a directory and moves everything in the current directory to **directoryname.old**.*

If you selected **U**, you will see a warning regarding shared EXE and DLL files. Read this warning and press **Enter** to continue.

- 5 Enter the name of the Registry Server supporting these add-on applications. If the installation utility detects a Registry Host running on the current host, it will suggest that host’s name.
 - ♦ To accept the default, press **Enter**.

- ♦ To enter another Registry Host name, type the name and then click **Enter**.
- 6 Enter the port number for the Registry Host.
- ♦ To accept the default, press **Enter**.
 - ♦ To enter another port number, type the number and then click **Enter**.

Note: The port number must match the Registry's port number.

- 7 You are prompted for the "administration login" (an e*Gate user with sufficient privilege to create components within a schema). The default is **Administrator**; unless you have created a different "administrative" user name, press **Enter** to accept the default. The default password is listed in the **Readme.txt** file in the root directory of the installation CD-ROM.
- 8 Enter and confirm the password for the user specified in the step above.

Note: e*Gate user names and passwords are case-sensitive. For additional information, see the *e*Gate Integrator System Administration and Operations Guide*.

- 9 A menu of add-on options appears:

1. eWays
2. Agents
3. IQs
4. converters
5. monktemplates

Type the number corresponding to the add-on package you want to install and press **Enter**.

- 10 A menu list of sub-components appears. Type the number that corresponds with the component you want to install and press **Enter**. Follow the on-screen instructions to complete the installation for the selected add-on application.
- 11 After the add-on application has been installed, the "Choose add-on categories" menu appears. Repeat steps 9 through 11 to install additional packages, or type **0** and press **Enter** to continue.
- 12 When the "installation type" menu appears, the Add-on Applications installation is complete. Do one of the following:
- ♦ To exit the setup utility, type **0** and press **Enter**.
 - ♦ Select another option to continue the installation.

5.6.1 After Completing the Installation

After executing the Registry and Participating Host installations, a Bourne Shell (**.sh**) file and C Shell (**.csh**) file are created in the user-specified installation directory. You must run either script (depending on your shell) before executing e*Gate executables; you can also append the contents to your profile or **.cshrc** file.

Bourne Shell

Use the Bourne Shell (.sh) files **egateclient.sh** and **egatereg.sh** with **.profile**. There are two ways to use the e*Gate Bourne Shell (.sh) files with the **.profile** file:

- Copy and paste their contents into the **.profile** file.
- or
- Source these files from the **.profile** file by adding two lines in the **.profile** file:

```
. <path to location of file>/egateclient.sh
. <path to location of file>/egatereg.sh
```

Note: There must be a blank space between the initial period (.) and the start of the path for both lines.

C Shell

Use the C Shell (.csh) files **egateclient.csh** and **egatereg.csh** with **.cshrc**. There are two ways to use the e*Gate C Shell (.csh) files with the **.cshrc** file:

- Copy and paste their contents into the **.cshrc** file.
- or
- Source these files from the **.cshrc** file by adding two lines in the **.cshrc** file:

```
source <path to location of file>/egateclient.csh
source <path to location of file>/egatereg.csh
```

Other shell files

Korn Shell

When you use the Korn Shell (ksh), the contents of the **.profile** file is not read by the shell unless it is a login shell. Consult the Korn Shell documentation (that is, the “man” page) to ensure that a login shell is used. If this is not done, the measure taken in the section on the [“Bourne Shell” on page 90](#) is ineffective.

To consult the Korn Shell documentation:

- At the UNIX prompt, type: **man <subject matter>**.

Note: <subject matter> could equal **ksh** or **bash**.

Bourne Again Shell

When you use the Bourne Again Shell (bash), the contents of the **.profile** file is not read by an interactive shell session unless it is a login shell; the file is *not* read if the session is an interactive shell that is not a login shell. Consult the Bourne Again Shell documentation to ensure the correct shell conditions exist for the measure discussed in the section on the [“Bourne Shell” on page 90](#) to work.

Installation Instructions for OS/390

This chapter provides instructions on how to install e*Gate on an OS/390 system. If you have any questions or problems, please contact SeeBeyond's technical support group at (800) 798-0447. For online support, contact us at <http://www.seebeyond.com> and select **Service/Support** from the **SERVICES** menu bar.

6.1 Overview

Before installing e*Gate on your OS/390 system, please read the following sections to ensure a smooth and error-free installation. The purpose of this chapter is to aid you complete an error-free OS/390 installation. The chapter contains the following sections:

- Features and Requirements
 - ♦ Operational Features of OS/390
 - ♦ System Requirements
 - ♦ Disk Space Requirements
 - ♦ Technical Expertise Requirements
- e*Gate Components Available with OS/390
- Preparing e*Gate to Run OS/390
 - ♦ Pre-Installation
 - ♦ Default User Names and Passwords
 - ♦ Assumptions
 - ♦ Contents of the s390 Installation Tree
- SeeBeyond e*Gate OS/390 Installation
- Data Conversion (**Important Information Required for Successful Operation.** See **"Data Conversion" on page 100.**)
- Sample OS/390 JCL Procedures
 - ♦ Defining the User for e*Gate
 - ♦ Sample JCL Procedure to Start e*Gate as part of OS/390 Startup (Runs an USS UNIX Script)

6.2 Features and Requirements

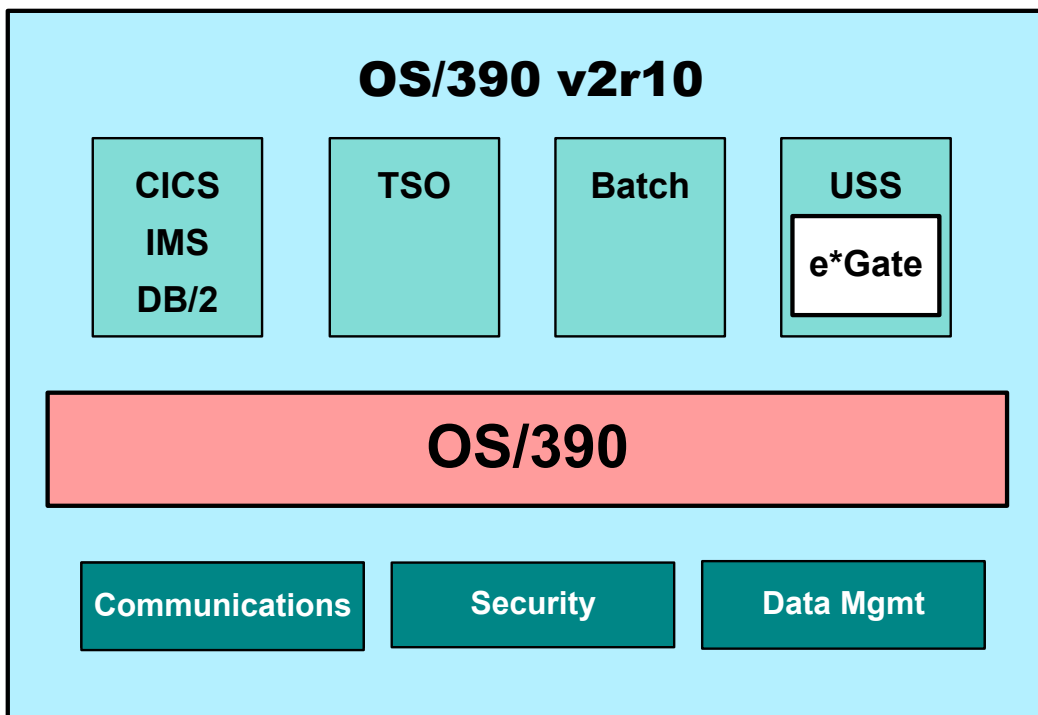
This section lists the operational features of OS/390, as well as system, disk space, and technical expertise requirements.

6.2.1 Operational Features of OS/390

The e*Gate application resides within the UNIX System Services environment of OS/390.

- OS/390 startup procedures can include JCL to start the e*Gate Registry.
- The Control Broker can then be started from within USS or by a Started Task.

Figure 4 Typical View of Where e*Gate Fits Into the OS/390 V2R10 Architecture



Before installing e*Gate on your OS/390 system, read the rest of this chapter to ensure a smooth and error-free installation.

6.2.2 System Requirements

The **Readme.txt** file on the e*Gate installation CD-ROM contains the most up-to-date operating system (OS) requirements for the supported platforms. The requirements listed below are in addition to the operating system requirements.

Before beginning the e*Gate installation process for OS/390, the following requirements must be addressed:

Hardware

- IBM S/390 or equivalent processor capable of running OS/390 V2R10 with at least 2 GB of DASD space.
- TCP/IP connection.

Software

- OS/390 V2R10
- IBM TCP/IP stack
- Java 1.3.1
- Language Environment (LE/370), for any API add-ons
- UNIX System Services (USS)

USS brings UNIX-like services to OS/390. The following USS Services are used by e*Gate:

- ♦ Telnet
- ♦ Rlogin
- ♦ Rexec
- ♦ Rshd
- ♦ FTP
- ♦ Hierarchical File System (HFS) translation
- ♦ UNIX style programming
 - ♦ C and C++ support
- ♦ UNIX Shell command
- ♦ Java services

Note: For additional information on OS/390 V2R10 see:

<http://www-1.ibm.com/servers/s390/os390/>

For additional information on USS, see:

<http://www.s390.ibm.com/bookmgr.cgi/bookmgr.exe/Shelves/BPXSH0A0>

Optional Software

- CICS Transaction Server 1.3
- IMS 6.X
- DB2 6.X
- MQ Series 2.1 or 5.2 with
 - ♦ MA88 Patch — the MQ Series MA88 Patch can be downloaded from:

<http://www-3.ibm.com/software/ts/mqseries/txppacs/ma88.html>

6.2.3 Disk Space Requirements

e*Gate requires the following minimum disk space. Additional space is required for data storage; those requirements vary based upon each installation's implementation.

Table 8 OS/390 Platform Disk Space Requirements

Operating System	Registry Host	Participating Host
OS/390	130 MB Allows for the installation of the .taz files.	250 MB

Size requirements for a typical schema:

- 256 MB RAM

Each additional component could require:

- 32 MB RAM

6.2.4 Technical Expertise Requirements

Technical requirements include the following:

- Experience with Resource Access Control Facility (RACF) or equivalent Security Package for the USS environment.

Note: Similar definitions are required for security package such as ACF2 and Top Secret.

- Knowledge of OS/390 administration.
- Knowledge of USS administration.

6.3 e*Gate Components Available with OS/390

The following e*Gate components are available for OS/390:

- Registry Service
- Control Broker Service
- SeeBeyond Standard IQ Manager

Note: The JMS IQ Manager is not supported.

- IQ Services
 - ♦ Standard
- Collaboration Services
 - ♦ Monk

- ♦ “C”
- ♦ Java (requires Java 1.3.1)
- BOBs
- e*Ways
 - ♦ Generic e*Ways
 - ♦ Monk
 - ♦ “C”
 - ♦ Java
 - ♦ Batch
 - ♦ File
 - ♦ FTP
 - ♦ TCP/IP
 - ♦ e*Gate API Kits
 - ♦ Cobol
 - ♦ Java
 - ♦ CICS e*Way
 - ♦ IMS e*Way
 - ♦ DB/2 e*Way
 - ♦ MQ Series e*Way

6.4 Preparing e*Gate to Run on OS/390

This section provides information you need to know to run e*Gate on OS/390.

6.4.1 Pre-Installation

The “egate” User

The user name under which you install the e*Gate files owns the e*Gate files, and all e*Gate processes are run under this user name. You must create an “egate” user for this purpose, but you can use any user name that meets your installation’s security requirements. See the ADDEGX JCL in [“Contents of the s390 Installation Tree” on page 96](#).

Required Privileges

You need regular (non-root) user access to begin the e*Gate installation. You do not need root privileges.

Disk-space Quota Limitations

The “egate” user, or any user that you use to install the e*Gate system, must have *no* disk-quota limitations imposed. e*Gate calculates “available disk space” in terms of total disk space available on the system, and does no quota checking. If you impose a disk-quota restriction on the “egate” user, you risk losing data when IQ-storage demands exceed the user’s quota.

6.4.2 Default User Names and Passwords

e*Gate’s default “Administrator” user name and password are found in the **Readme.txt** file in the root directory of the installation CD-ROM.

6.4.3 Assumptions

Before beginning the installation, ensure that:

- The level of OS/390 is at 2.10,
- The USS environment has been customized and is operational,
- There is 1.0 GB available in an HFS File System for a new user on the local machine,
- You have a PC with a CD-ROM drive and FTP access to an OS/390 userID (userx) that can run RACF jobs, and
- You have read all the instructions before starting.

6.4.4 Contents of the s390 Installation Tree

Listed below are the contents of the s390 installation tree:

- **ADDEGX** is sample JCL that can be used to create the EGATE USER. See **“On the target OS/390 system:” on page 97** for copying to installation media.
- **client** is the directory that contains the S390 Compressed TAR image of a “Just Installed” e*Gate Client directory tree.
- **s390inst.txt** is the text file that contains installation instructions for the S390 Systems programmer.
- **scripts** is the directory that contains sample scripts.
- **server** is the directory that contains the S390 compressed tar image of a “Just Installed” e*Gate Server directory tree.
- **setup.tar** is the S390 tar image of the e*Gate installation scripts.

Note: See the text file **readme.txt** for recent changes.

6.5 SeeBeyond e*Gate OS/390 Installation

The OS/390 installation installs all the e*Gate executables at one time. To install the program, follow the instructions below.

Important: You must install e*Gate on a local account, and not on a Network File System (NFS) mount account.

On the PC that has FTP access to OS/390:

- 1 Insert the e*Gate OS/390 CD-ROM (disc 10).
- 2 Change to the root directory of the CD-ROM drive.
- 3 FTP the **ADDEGX** file to **userx**.

On the target OS/390 system:

- 1 Log on as **userx**.
- 2 The file you copied will be named **USERX.ADDEGX**.
- 3 **EDIT** the **USERX.ADDEGX JCL** to fit your system's standards.
- 4 **SUBmit** the **ADDEGX** job to add userID **egatex**.

Note: If this userID is not acceptable, modify it as necessary and substitute that name wherever **egatex** is referenced.

- 5 Go to the ISPF USS interface (on most systems this can be accomplished by typing **TSO OMVS** on a command line) and create a home directory that matches the one in the **ADDEGX JCL** for **egatex** and ensure that .5 GB of space is available. Or, if you prefer, perform this from a Telnet session.

Note: If you have to create a new mounted file system, do so before proceeding.

- 6 Add this file system to your auto mount table.

Note: The newly created directory will be owned by the creating user from step 5. The directory must have the owner ID plus the group ID of the **egatex** user.

- 7 Return to the OMVS shell or Telnet. If required, change to the home directory of the **egatex** user ID (for example: **/u/egatex**).
- 8 Change permissions. Do a **chmod 777 egatex**.
- 9 Change the owner (for example: **chmod egatex egatex**).
- 10 Change the group (for example: **chgrp egatex egatex**).
- 11 Create the e*Gate **client** directory; type: **mkdir client**.
- 12 Create the e*Gate **server** directory; type: **mkdir server**.
- 13 Create the e*Gate **scripts** directory; type: **mkdir scripts**.

On the PC:

- 1 FTP to your OS/390 System.
- 2 Log in as **egatex**.
- 3 Make sure you are in the “home” directory where e*Gate will be installed (for example: **/u/egatex**).
- 4 Set the mode to **BINARY** (Representation type is Image) and type:
put setup.tar setup.tar.
- 5 If you intend to run a Registry Host on the S390, change to the **server** directory on both the PC and OS/390 and type: **put svtar.Z svtar.Z**.

Note: If you **do not** install the server, do not FTP the **svtar.Z** image. The installation script will complain, but will not fail. The “Z” must be capitalized.

Note: The FTP command **lcd** changes the local directory and the command **cd** changes the remote directory.

- 6 If you intend to run a Participating Host on OS/390, change to the **client** directory on both the PC and OS/390 and type: **put cltar.Z cltar.Z**.

Note: If you **do not** install the client, do not FTP the **cltar.Z** image. The installation script will complain, but will not fail. The “Z” must be capitalized.

On OS/390 as user egatex:

- 1 List the directory contents. Type: **ls -l**.
- 2 You should see **setup.tar** in your home directory.
- 3 Create the required files in the script directory. Type: **tar -xvof setup.tar**.
- 4 Change the directory to the **scripts** directory. Type: **cd scripts**.
- 5 Type: **chmod +x setup**.
- 6 Type: **./setup** and follow the on-screen instructions.
- 7 Your monitor displays the following as the e*Gate files install:

```
***** Installing eGate files *****
```

- ♦ Enter your selected e*Gate user name. Type: **<egatex>**.
(This is the user name your OS/390 administrator gave you.)
- ♦ Enter your s390 host name. Type: **<os390xxx>**.
(This is the host name your OS/390 administrator gave you.)
- ♦ Enter the name of your home directory. Type: **</u/egatex/egatex>**.
(This is the home directory your OS/390 administrator gave you.)

Entering the above examples, performs the following:

- ♦ Obtains installation parameters,
- ♦ Creates a customized **.profile** for the *egatex* user,

- ♦ Customizes the control scripts for the Registry and Participating Host sections,
- ♦ Uncompresses and installs the client side (20 min. to 2 hrs.), and
- ♦ Uncompresses and installs the server side (20 min. to 2 hrs.).

Post-installation notes

The Registry and Participating Hosts can be run from the *egatex* userID. In the scripts directory are sample shell scripts (**stcregd**, **stcregdown**, and **scb1**) to start and stop a Registry Host and Control Broker. Modify these scripts to your installation standards before using them. If you want to enable the OS/390 operator to start and stop the Registry, including autostart when IPL'ing, please note the next few items:

- In the scripts directory you will find two sample procedures: **EGATE.JCL** and **ESTOP.JCL**. Using the **TSO OGET** (from your TSO session), copy these two files to a PROCLIB that is in the concatenation list for the system operator as EGATE and ESTOP.

That is, from OS/390 as *userx* do:

```
TSO OGET '/u/egatex/scripts/EGATE.JCL"USER.PROCLIB(EGATE)'
```

- **EDIT** these members to point to the home directory of **egatex** and modify any other items to conform with your system conventions and standards.
- **ADD RACF** profiles for these two members to use **egatex** as their USS user ID.
- Example JCL is provided to **START** a schema. Follow the procedures in **"SeeBeyond e*Gate OS/390 Installation"** on page 97 to implement these features.

Note: After the installation, if you commit files to the Registry Host using the **stcregutitl** command, the files that you commit (including the **.dll** and **.exe** files) must be local (not NFS mounted file system) before running **stcregutitl**. See the **e*Gate System Administration and Operations Guide** for more information.

Installation of additional add-ons

Add-on components may be installed using the e*Gate Integrator GUI. See the appropriate e*Gate add-on manual.

6.6 Installing Additional Platform Support on the OS/390 Registry

e*Gate provides **.taz** files for the executable modules for each platform; these files are located on Installation CD-ROM 1. The **.taz** files are named **<xxxx>.taz**, where **<xxxx>** represents the specific platform, such as win32, os390, AIX, sparc26, et cetera. For example, the **.taz** file for the Solaris executables that should be placed on the OS/390 is named **sparc26.taz**. It is located in the **../setup/repostry/sparc26.taz** directory on the

CD-ROM. Before using the executable modules, FTP the **.taz** files in binary format to the OS/390 e*Gate user's "home" directory.

To install a specific platform on the OS-390 Registry

- 1 Insert Installation CD-ROM 1 into the CD-ROM drive.
- 2 From the command prompt, change the directory to the directory where the **.taz** files are located on the CD-ROM. Type: **../setup/repostry/**.
- 3 FTP the **.taz** file in binary mode (for example: **sparc26.taz**). Assuming you have installed the Installation CD-ROM on your selected OS/390 host with a user ID of **egatex**, FTP the **sparc26.taz** file in binary format from the CD-ROM #1 repository directory to your "home" directory where e*Gate was installed on the OS/390 (for example: **/u/egatex**).
- 4 At the FTP prompt, type: **binary** (Representation type is Image).
- 5 Use the **untaz** script (it is located in the **scripts** directory on the CD-ROM) to unpack the **.taz** files.

The **untaz** script requires two parameters:

- ♦ A complete path to the **.taz** file.
- ♦ A relative path to the "home" directory of the e*Gate user.

To execute the **untaz** script and open the files in the destination directory, type: (**./untaz /u/egatex/sparc26.taz server/registry/repository/default**).

- 6 When the **untaz** script displays the final path and asks if the path is correct, type **Y** (for yes) or **N** (for no). The "Y" or "N" must be capitalized.
- 7 The file is uncompressed and the individual modules are distributed to the following directories:
 - ♦ **../bin/sparc26**
 - ♦ **collabservices/sparc26**
 - ♦ **iqservices/sparc26**
- 8 When the **.taz** file is no longer needed, erase it by typing: **rm sparc26.taz**.

6.7 Data Conversion

This section lists various conversions that are necessary for OS/390 and e*Gate to function properly, and includes conversions for Collaborations that are running on Windows NT or UNIX.

Note: *Limitations exist as to the types of strings which can be converted from ASCII to EBCDIC and vice versa. For full details on supported string conversions, see:*

<http://java.sun.com/j2se/1.3/docs/guide/intl/encoding.doc.html>

6.7.1 Conversions for Java Collaborations Running on OS/390

From EBCDIC to ASCII

To convert a value in a Java string from EBCDIC to ISO-8859-1 (ASCII):

```
String str = new String (str.getBytes("ISO-8859-1"), "cp037");
```

Note: For additional information see [“Marshalling EBCDIC Data When Running on OS/390” on page 102.](#)

From ASCII to EBCDIC

To convert a value in a Java string from ISO-8859-1 (ASCII) to EBCDIC:

```
String str = new String (str.getBytes(), "ISO-8859-1");
```

Note: For additional information see [“Marshalling EBCDIC Data When Running on OS/390” on page 102.](#)

From EBCDIC to an Integer

To convert a value in a Java string that is in EBCDIC to an integer:

```
int i = Integer.parseInt(new String(str.getBytes("ISO-8859-1"),  
"cp037");
```

From an Integer back to the Java string

It is possible to convert an integer that previously had been converted from a Java string back to a Java string. To see data in EBCDIC, the integer must be converted from ASCII to EBCDIC.

```
String str = i;  
str = new String(str.getBytes(), "ISO-8859-1");
```

6.7.2 Conversions for Java Collaborations Running on Windows NT or UNIX

From ASCII to EBCDIC

To convert a value in a Java string from ISO-8859-1 (ASCII) to EBCDIC:

```
String str = new String (str.getBytes("cp500"), "ISO-8859-1");
```

Note: For additional information see [“Marshalling EBCDIC Data When Running on OS/390” on page 102.](#)

From EBCDIC to ASCII

To convert a value in a Java string from EBCDIC to ISO-8859-1 (ASCII):

```
String str = new String (str.getBytes(), "cp500");
```

Note: For additional information see [“Marshalling EBCDIC Data When Running on OS/390” on page 102.](#)

From EBCDIC to an Integer

To convert a value in a Java string that is in EBCDIC to an Integer:

```
int i = Integer.parseInt(new String(str.getBytes(), "cp500");
```

6.7.3 Marshalling EBCDIC Data When Running on OS/390

The following Java Collaboration Service encoders should be used during initialization when marshalling data.

```
jCollabController.setMarshalEncoding( java.lang.String  
aInstanceName, java.lang.String aEmcodeType);  
jCollabController.setOutgoingEncoding("ETD Instance  
name", "cp037");
```

Example:

```
jCollabController.setMarshalEncoding("OutputETD", "ISO-8859-1");  
jCollabController.setOutgoingEncoding("OutputETD", "cp037");
```

Note: All outgoing data that is marshalled must be encoded as ISO-8859-1. For additional information, see the *jCollabController Class* in Appendix A of the *e*Gate Integrator User's Guide*.

6.8 Usage Notes for Java Collaborations on the OS/390

For Java Collaborations to compile properly on OS/390, the following actions must be performed.

6.8.1 JCollabController Class in a Java Collaboration

When using the **JCollabController** class in a Java Collaboration on the OS/390, you must perform the following in the **userInitialize** section in the Business Rules pane of a Java Collaboration. Perform these initializations once and only once.

Converting incoming EBCDIC data to ASCII

To convert incoming EBCDIC data (Java codepage "cp037") to ASCII (Java codepage "ISO-8859-1"), code the **jCollabController** in the **userInitialize** section (**0 rule**) in the Business Rules pane of a Java Collaboration:

```
jCollabController.setIncomingEncoding("In1", "cp037");
```

Converting outgoing ASCII data to EBCDIC

To convert outgoing ASCII data (Java codepage "ISO-8859-1") to EBCDIC (Java codepage "cp037"), code the **jCollabController** in the **userInitialize** section (**0 rule**) in the Business Rules pane of a Java Collaboration:

```
jCollabController.setOutgoingEncoding("In2", "cp037");
```

6.8.2 Preparing Data to Marshall in a Java Collaboration

Before marshalling data in a Java Collaboration on the OS/390, you must perform the following in the **userInitialize** section in the Business Rules pane of a Java Collaboration.

Preparing data before marshalling in a Java Collaboration

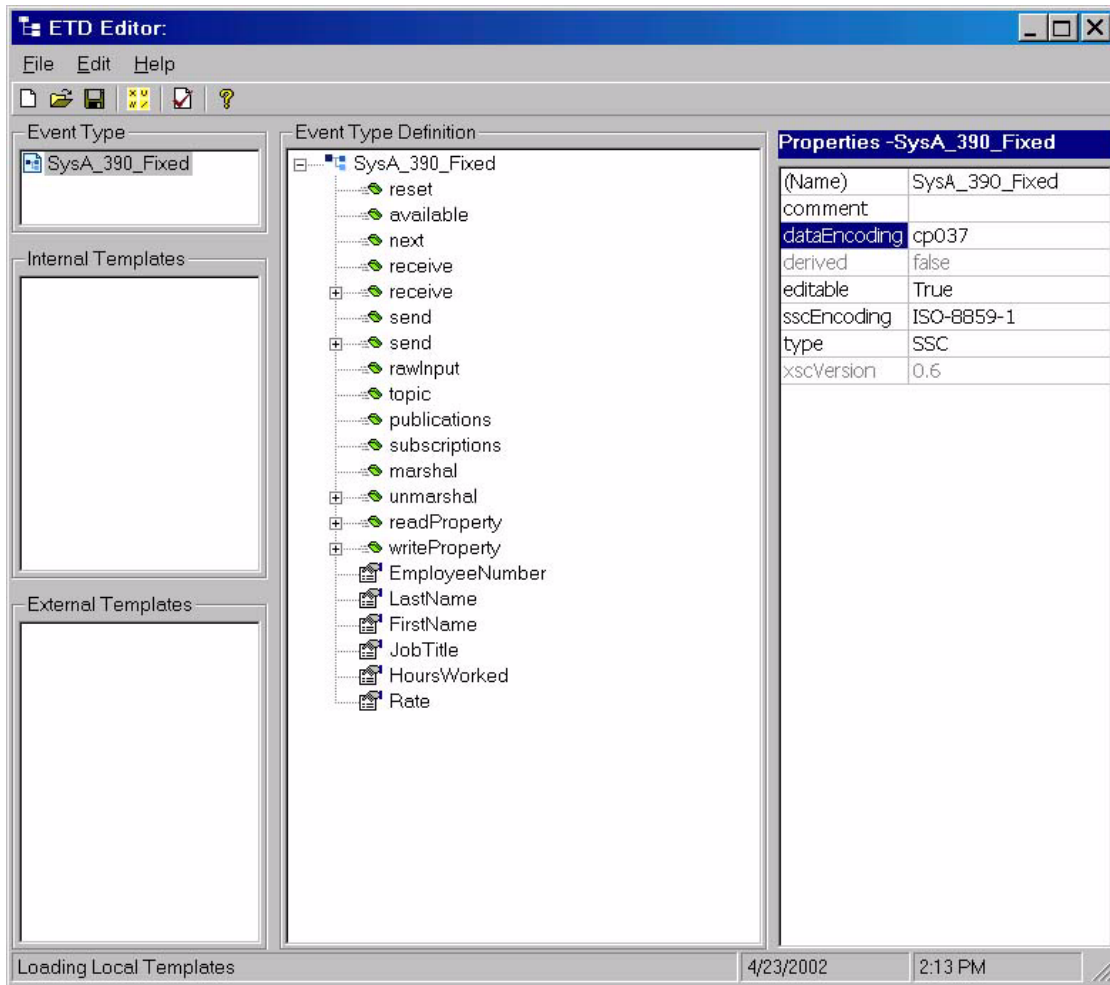
Before marshalling data on the OS/390, code the **jCollabControllers** in the **userInitialize** section (**0 rule**) in the Business Rules pane of a Java Collaboration:

```
jCollabController.setMarshalEncoding("In2", "ISO-8859-1");  
jCollabController.setOutgoingEncoding("In2", "cp037");
```

6.8.3 Alternate Way for Converting EBCDIC Data to ISO-8859-1

Another way to convert incoming EBCDIC data to ISO-8859-1 is to add the code page on the incoming ETD. The following example will convert all incoming fields that are defined as a string from EBCDIC code page 037 to ISO-8859-1. See the **Properties** pane in Figure 5 for the necessary encoding.

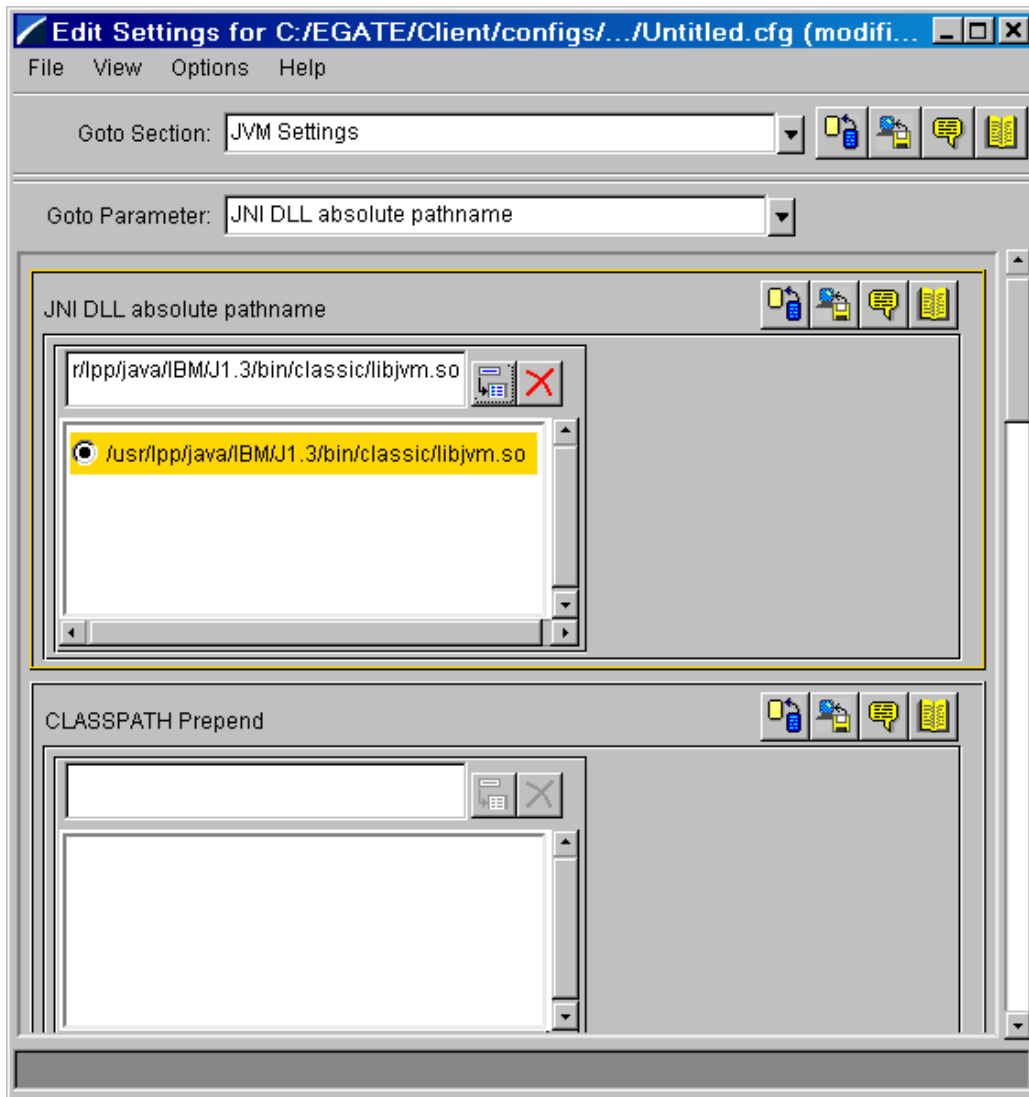
Figure 5 Example for Converting EBCDIC Data to ISO-8859-1



6.8.4 Absolute Path for the Multi-Mode e*Way

When configuring your Multi-Mode e*Ways, you must specify the **JNI DLL absolute pathname** (for example: `/usr/lpp/java/IBM/J1.3/bin/classic/libjvm.so`) for your schemas to work on OS/390. Perform this task when you set the configuration settings for your Multi-Mode e*Ways (see Figure 6).

Figure 6 JNI DLL Absolute Pathname



6.9 Sample OS/390 JCL Procedures

The following are sample Job Control Language (JCL) procedures.

6.9.1 Defining the User for e*Gate

To define the user for e*Gate, perform the following:

```
//ADDEGX JOB ( ),NOTIFY=&SYSUID
/*
//S0 EXEC PGM=IKJEFT01,DYNAMNBR=75,TIME=100,REGION=6M
//SYSPRINT DD SYSOUT=*
//SYSTSPRT DD SYSOUT=*
//SYSTEM DD DUMMY
//SYSUADS DD DSN=SYS1.UADS,DISP=SHR
//SYSLBC DD DSN=SYS1.BROADCAST,DISP=SHR
//SYSTSIN DD *
DU egatex
AU egatex DFLTGRP(STC120) OWNER(SYS1) UACC(READ) +
OMVS(UID(555) PROGRAM(/bin/sh) HOME(/u/egatex) +
MMAPAREAMAX(8000000) ASSIZEMAX(500000000) +
THREADSMAX(1024)) +
NAME(EGATEX) TSO(PROC(ISPFPROC) JOBCLASS(A) ACCTNUM(ACCT#) +
MSGCLASS(X) HOLDCLASS(X) SYSOUTCLASS(X) MAXSIZE(0) +
SIZE(100000) COMMAND(ISPF))
ALU egatex NOEXPIRE RESUME PASSWORD(egatex)
CONNECT EGATEX GROUP(SYS1)
PERMIT ACCT# CLASS(ACCTNUM) ID(EGATEX)
PERMIT ISPFPROC CLASS(TSOPROC) ID(EGATEX)
PERMIT JCL CLASS(TSOAUTH) ID(EGATEX)
PERMIT OPER CLASS(TSOAUTH) ID(EGATEX)
AD 'EGATEX.*' OWNER(EGATEX) UACC(READ) GENERIC
SETROPTS REFRESH RACLIST(TSOPROC ACCTNUM TSOAUTH FACILITY)
LU EGATEX
LD DA('EGATEX.*') ALL
/*
```

6.9.2 Sample JCL Procedure to Start e*Gate as part of OS/390 Startup (Runs an USS UNIX Script...)

The following is a sample JCL procedure to start e*Gate as part of an OS/390 startup each time the operating system is booted:

```
//EGATE PROC
//EGATE390 EXEC PGM=BPXBATCH,REGION=0M,TIME=1440
//STDIN DD PATH='/u/egatex/scripts/stcregd
// PATHOPTS=(ORDONLY)
//STDOUT DD PATH='/tmp/egate1.log',
// PATHOPTS=(OWRONLY,OCREAT),PATHMODE=SIRWXU
//STDERR DD PATH='/tmp/egate2.log',
// PATHOPTS=(OWRONLY,OCREAT),PATHMODE=SIRWXU.
```

Note: This script runs the sample script below.

Sample Script

This sample script is initiated in the above procedure:

```
( /u/egatex/scripts/stcregd)

LD_LIBRARY_PATH=/u/egatex/server/bin:$LD_LIBRARY_PATH
PATH=/u/egatex/server/bin:$PATH
SHLIB_PATH=/u/egatex/server/bin:$SHLIB_PATH
LIBPATH=/u/egatex/server/bin:$LIBPATH
export LD_LIBRARY_PATH
export SHLIB_PATH
export LIBPATH
export PATH
echo $PATH
export $PATH
export STC_TRACEMASK=0x00000000
/u/egatex/server/bin/stcregd.exe -ss -lnos390r29
-bd /u/egatex/server -pr23001 -pc23002 -mc1024
```

Note: Machine versions of the above scripts/JCL are on the installation media.

Troubleshooting

This chapter describes issues that may arise during the installation process and provides tips and solutions to resolve these issues.

7.1 Troubleshooting the Enterprise Manager GUI

If you are not able to open the Enterprise Manager GUI, there are two ways to correct this problem.

A

- 1 Right-click the **e*Gate Enterprise Manager** on the desktop.
- 2 On the pop-up menu, click **Properties**.
- 3 Select the **Shortcut** tab.
- 4 In the Target box, add **-v** after the command **stcguistart.exe**.

Note: Do not change any other flags on the command line.

- 5 Click **OK**.
- 6 Double-click the desktop's **Enterprise Manager** icon to launch the application.

An information window will appear. Check the environment variables as follows:

CLASSPATH must include `\egate\client\classes`
PATH must include `\egate\client\bin, egate\server\bin`
DISPLAY must be set to `:1.0`
XSERVER must point to the directory that contains the file **x.exe** (frequently, `C:\EXCEED\`)

B

You can check `...\client\logs` for the X GUI log files. If it says "cannot open display," set the DISPLAY envelope variable to:

LOCALHOST :1.0
 or
LOCALHOST :0.0

If NO text is shown on any of the menus or rules

Both the full version of Exceed 6.1 and the partial OEM version of Exceed 6.1 were installed into the same directory. They cannot reside in the same directory.

Caution: *When upgrading from e*Gate version 4.01 to 4.1, you must clean out the old IQ directory before starting the upgrade operation. Otherwise, if any schema attempts to run after the upgrade is completed, the schema indicates corrupted IQs. This problem only occurs with this particular upgrade.*

7.2 Troubleshooting Tips

The following list provides some general guidelines for troubleshooting particular problems that may happen:

- **Outlook and Lotus Notes Servers:** When you are installing e*Gate on servers that also contain these applications, the installation can run extremely slow. The degree of slowness varies with the amount of disk space, memory, and other factors. To avoid this problem, make sure these applications (if present) are not running when you install e*Gate.
- **Dr. Solomon's NetShield:** This application affects any e*Gate installation that uses the Generic e*Way or any e*Way that loads large numbers of Monk files at once. Dr. Solomon's NetShield™ does not return the files fast enough to the calling application, so they fail to load. This problem can cause strange results in the Generic e*Way, including tight loops that produce large amounts of log-file data, which rapidly fill the hard disk. The work-around is to exclude the Monk directories (which are ASCII) from the directories checked by Dr. Solomon's NetShield.
- The JINTEGRA service must be running. If it is not running, the e*Gate ETD Wizards will not run and the Collaboration Editor will not compile.

Frequently Asked Questions

This chapter lists some common questions that may be encountered during installation and the answers to those questions.

8.1 Installation FAQs

1 The installation program stopped responding while an X server or Microsoft Outlook was running.

You must exit all applications before running the installation utility. Programs such as Microsoft Outlook cause the install programs to slow down significantly. X servers must also be stopped.

The exception is during an e*Gate Registry upgrade when you want to back up existing schema. To be able to back up schema, the current e*Gate Registry must be running. Use the Control Panel's Services applet to make sure that the e*Gate Registry Service is running.

2 The installation does not proceed properly after I cancelled a previous installation attempt using the Task Manager.

If you cancel the installation via the Task Manager, you must delete the *destination-directory*\setup\isu files before restarting the installation (where *destination-directory* is the directory in which you were attempting to install e*Gate).

3 The SNMP Agent will not install on my Windows system.

The \$WINDIR\system32\drivers\etc\services file must be updated. Port 161 must not be already assigned. If it is assigned, reassign the other services using it.

4 I received an error stating that the software cannot communicate with the Registry.

A Check that the Registry is up using the Control Panel's Services applet or the Task Manager.

B Use the **ping** command to confirm that your computer's IP address is correct. If it is not correct, see ["Installing e*Gate on Laptops" on page 49](#).

5 I received the error “Unable to retrieve converter.ini from the e*Gate Registry” when installing add-ons.

This error can appear when a large number of add-ons are being installed at the same time. Try installing only two or three add-ons at one time.

6 There were problems installing the Registry Host after uninstalling an earlier version.

A At the command prompt, type the following to remove existing Registry, Control Broker, and Lightweight Installer services:

```
stcutil -rs stcregd*  
stcutil -rs stccb*  
stcutil -rs stcinstd*
```

B Reinstall the Registry Host.

7 The X12 add-on takes a long time to install and requires a large amount of disk space.

The X12 add-on includes a large number of Event Type Definition (ETD) files, which require both time to install and space to store.

8 I received the message “Unable to obtain Win32 environment.”

This is usually caused by one of the following reasons:

- ◆ You have installed e*Gate to a path that contains spaces.
- ◆ You are installing e*Gate over a network (shared) drive.

Do whichever of the following is appropriate:

- ◆ Uninstall e*Gate, then reinstall it using the suggested defaults. Do not specify spaces within the path name.
- ◆ Install e*Gate from a local drive.

9 I installed the UNIX version of an add-on application, but the accompanying Build tool for the ETD Editor was not installed.

Install the Windows version of the add-on application in addition to the UNIX version. Because the e*Gate GUIs only run on Windows systems, the Build tools are packaged with the Windows versions of the add-ons.

10 I would like to install more than one version/release of e*Gate on my machine, but the install process will not let me install the second version/release without trying to install it over the top of the originally installed e*Gate.

e*Gate will allow only one version/release to exist on a given system at one time.

11 I installed an add-on from a different build than the build I have on the machine even though the version/release number is the same and now it will not work.

In any given e*Gate build, any number of inter-related files may be modified. Any time a module or add-on needs to be installed from a different build, you must reinstall the entire e*Gate suite. All components in the e*Gate system must be installed from the same build number.

- 12 When I installed Java and Java Run Time, I got the message: Installing 4.5.x GUI, get "JRE not found.....".**

Make sure that the correct version of JRE is installed, and that you are using JRE 1.3.1_02. Check the NT registry settings by using **regedit**. Check the value of:

```
\HKEY_LOCAL_MACHINE\  
SOFTWARE\JavaSoft\Java Runtime Environment\1.3.x\MicroVersion
```

to find out which version of JRE is installed.

- 13 We have e*Gate installed on HP-UX11. Stcregd and stcinstd are started by the root user while stccb is started by the "egate" user. Can this cause problems? Should all three be started by the "egate" user?**

Do not start any of these processes by root. Instead, create a user for the Registry and start these processes under that user.

To create a user for the Registry

- A** Have the `/etc/rc3.d` script contain something like:

```
su - egate -c "sh rc3.d/startcb"
```

- B** In the "egate" user's home directory, create a subdirectory called `rc3.d`.

- C** In the `rc3.d` directory, place a shell script called `startcb`, which contains the commands to start the Control Broker.

When executed as root at boot time, `su - egate -c "sh rc3.d/startcb"` reads the "egate" user's profile (or `.login` if it defaults to `csh`), and then executes the `startcb` shell script as the "egate" user. The Control Broker now runs as "egate" and not root.

Syntax for the su command

The syntax for the `su` (substitute user) command is as follows:

```
su - <user> -c <command>
```

`su` executes the specified command as the specified user, after running through the login process (for example, reading the user `.profile`).

If you just want to execute the command without running through the login process, remove the first "-":

```
su <user> -c <command>
```

Note: When the `su` command is executed by the user "root," it does not ask for a password. When the `su` command is executed as any other user, it does ask for a password.

- 14 Using e*Gate version 4.1.2 or a later version, can I directly copy a schema file (.rdb file) in a previous version from one host to another?**

You cannot do this operation using e*Gate version 4.1.2 or later. In this and later versions, you can only copy a schema file from an earlier version to another host using the upgrade installer.

- 15 I have created my own password for logging on to e*Gate and I do not use the default. I am now upgrading to a later version. To do the upgrade, do I need to use the password I created or use the default?**

Use the password you created. The upgrade installer recognizes the new password.

UNIX Patches

This appendix lists all the recommended UNIX patches for e*Gate 4.5.2.

A.1 AIX 4.3.3 Patch

There is only one recommended patch for AIX 4.3.3:

4330-09_AIX_ML (Maintenance Level 9)

A.2 AIX 5.1 Patch

There is only one recommended patch for AIX 5.1:

5100-01_AIX_ML (Maintenance Level 1)

A.3 HP-UX 11.0 Patches

Table 9 lists the recommended patches for HP-UX 11.0.

Table 9 Recommended HP-UX 11.0 Patches

Patch	Version	Explanation
XSWG1100	B.11.00.53.2	HP-UX General Release Patches, June 2001
XSWHWCR1100	B.11.00.53.8	HP-UX Hardware Enablement and Critical Patches, June 2001

A.4 HP-UX 11.0 Patches (Japanese)

Table 10 lists the recommended patches for HP-UX 11.0 (Japanese).

Table 10 Recommended HP-UX 11.0 Patches (Japanese)

Patch	Version	Explanation
XSWG1100	B.11.00.47.07	HP-UX General Release Patches, November 1999 (ACE)
Y2K-1100	B.11.00.B0315	HP-UX Core OS Year 2000 Patch Bundle

A.5 HP-UX 11i Patches

Table 11 lists the recommended patches for HP-UX 11i.

Table 11 Recommended HP-UX 11i Patches

Patch	Version	Explanation
GOLDAPPS11i	B.11.11.0106.9	Gold Applications Patches for HP-UX 11i, June 2001
GOLDBASE11i	B.11.11.0106.9	Gold Base Patches for HP-UX 11i, June 2001

A.6 Compaq Tru64 UNIX Patches

For required Compaq Tru64 patches, see the following:

- [“Compaq Tru64 UNIX V4.0F patch” on page 58](#)
- [“Compaq Tru64 UNIX V5.0A patch” on page 58](#)
- [“Compaq Tru64 UNIX V5.1A patches” on page 58](#)

A.7 Solaris 2.6 Patches (All Applications Except the axion4 e*Way)

Table 12 lists the recommended patches for all Solaris 2.6 applications except for the axion4 e*Way.

Note: *These patches are recommended but not required. For required patches, see “Solaris patch requirements” on page 55.*

Table 12 Recommended Solaris 2.6 Patches for All Applications Except the axion4 e*Way

Patches			
Patch: 106183-03	Patch: 106271-07	Patch: 105786-14	Patch: 105566-01
Patch: 105181-15	Patch: 105755-10	Patch: 105720-14	Patch: 105566-06
Patch: 105642-05	Patch: 106301-03	Patch: 105529-11	Patch: 105566-11
Patch: 105181-19	Patch: 106439-07	Patch: 105780-05	Patch: 108199-01
Patch: 105181-23	Patch: 105667-03	Patch: 108468-02	Patch: 106138-01
Patch: 105642-08	Patch: 105722-07	Patch: 106639-06	Patch: 105497-01
Patch: 105181-28	Patch: 106522-04	Patch: 106285-03	Patch: 106222-01
Patch: 105401-09	Patch: 106569-01	Patch: 106429-02	Patch: 106650-04
Patch: 106141-01	Patch: 106592-03	Patch: 111029-01	Patch: 105377-03
Patch: 106075-01	Patch: 106625-12	Patch: 105486-04	Patch: 106468-04
Patch: 106049-01	Patch: 106834-02	Patch: 111572-01	Patch: 105492-02
Patch: 106044-01	Patch: 107758-01	Patch: 106216-01	Patch: 105798-03
Patch: 106035-01	Patch: 107774-01	Patch: 106495-01	Patch: 106150-01
Patch: 106033-01	Patch: 107565-02	Patch: 111109-01	Patch: 106112-01
Patch: 106031-02	Patch: 108492-01	Patch: 105802-03	Patch: 106025-01
Patch: 105990-01	Patch: 108895-01	Patch: 105802-15	Patch: 105558-01
Patch: 105988-01	Patch: 108307-02	Patch: 106084-01	Patch: 105338-07
Patch: 105953-01	Patch: 109266-01	Patch: 105633-05	Patch: 107434-01
Patch: 105867-01	Patch: 109339-02	Patch: 105633-36	Patch: 105338-27
Patch: 105792-02	Patch: 108804-02	Patch: 105633-58	Patch: 106112-06
Patch: 105757-01	Patch: 106882-02	Patch: 105618-01	Patch: 106437-03
Patch: 105755-03	Patch: 106292-11	Patch: 105400-02	Patch: 106027-01
Patch: 105746-01	Patch: 109719-01	Patch: 105284-20	Patch: 106027-09
Patch: 105736-01	Patch: 105847-09	Patch: 105284-31	Patch: 109388-01
Patch: 105724-01	Patch: 105405-03	Patch: 105284-41	Patch: 105591-07
Patch: 105722-01	Patch: 105792-06	Patch: 105464-01	Patch: 105591-09

Table 12 Recommended Solaris 2.6 Patches for All Applications
Except the axion4 e*Way (Continued)

Patches			
Patch: 105718-02	Patch: 105693-11	Patch: 105464-02	Patch: 105591-10
Patch: 105705-02	Patch: 106361-11	Patch: 106415-04	Patch: 105743-01
Patch: 105693-03	Patch: 110990-01	Patch: 105669-02	Patch: 105223-04
Patch: 105686-02	Patch: 111240-01	Patch: 105630-01	Patch: 105375-26
Patch: 105621-02	Patch: 107490-01	Patch: 105160-02	Patch: 106172-02
Patch: 105615-03	Patch: 105210-38	Patch: 105669-04	Patch: 105795-03
Patch: 105568-05	Patch: 105568-23	Patch: 106242-02	Patch: 107336-01
Patch: 105562-01	Patch: 105401-34	Patch: 105669-10	Patch: 105375-07
Patch: 105518-01	Patch: 105216-04	Patch: 106242-03	Patch: 105375-09
Patch: 105516-01	Patch: 105181-05	Patch: 108201-01	Patch: 106064-01
Patch: 105490-04	Patch: 106173-02	Patch: 105416-01	Patch: 105552-02
Patch: 105405-01	Patch: 106171-01	Patch: 107492-01	Patch: 105403-01
Patch: 105397-02	Patch: 106170-02	Patch: 106193-01	Patch: 105552-03
Patch: 105393-02	Patch: 106169-02	Patch: 105800-01	Patch: 105403-04
Patch: 105216-03	Patch: 106168-02	Patch: 105800-05	Patch: 108346-03
Patch: 105210-05	Patch: 105836-02	Patch: 106193-03	Patch: 106235-02
Patch: 106828-01	Patch: 105742-03	Patch: 105800-07	Patch: 106235-08
Patch: 105401-16	Patch: 105604-05	Patch: 106193-06	Patch: 108091-03
Patch: 105562-03	Patch: 105600-05	Patch: 111664-01	Patch: 105637-01
Patch: 105210-17	Patch: 105222-03	Patch: 106317-01	Patch: 105570-01
Patch: 105568-12	Patch: 105651-06	Patch: 108660-01	Patch: 105357-01
Patch: 105621-09	Patch: 105847-01	Patch: 105363-05	Patch: 105357-02
Patch: 105393-07	Patch: 105845-01	Patch: 106123-01	Patch: 105357-04
Patch: 105615-04	Patch: 105797-02	Patch: 106123-05	Patch: 106029-01
Patch: 105665-03	Patch: 105786-03	Patch: 106262-01	Patch: 106029-04
Patch: 106257-04	Patch: 105780-01	Patch: 106261-01	Patch: 105356-05
Patch: 106271-04	Patch: 105778-01	Patch: 106260-01	Patch: 105356-07
Patch: 105755-07	Patch: 105720-03	Patch: 106219-01	Patch: 105926-01
Patch: 106301-01	Patch: 105572-03	Patch: 105390-02	Patch: 107991-02
Patch: 106439-02	Patch: 105564-02	Patch: 105959-01	Patch: 106125-02
Patch: 106448-01	Patch: 105529-01	Patch: 105421-01	Patch: 106125-06
Patch: 105490-07	Patch: 105528-01	Patch: 107766-01	Patch: 106125-11
Patch: 106226-01	Patch: 105486-02	Patch: 108499-01	Patch: 105364-01
Patch: 105568-16	Patch: 105379-03	Patch: 105472-02	Patch: 105426-01
Patch: 105210-27	Patch: 105214-01	Patch: 105472-08	Patch: 105407-01

Table 12 Recommended Solaris 2.6 Patches for All Applications
Except the axion4 e*Way (Continued)

Patches			
Patch: 105210-33	Patch: 106323-01	Patch: 106648-01	Patch: 107618-02
Patch: 105568-21	Patch: 105654-03	Patch: 106649-01	Patch: 105189-02
Patch: 107733-09	Patch: 105924-03	Patch: 105837-02	Patch: 106040-10
Patch: 105356-18	Patch: 105379-05	Patch: 105703-03	Patch: 106040-13
Patch: 105395-06	Patch: 105786-07	Patch: 105558-03	Patch: 106040-16
Patch: 105615-08	Patch: 105720-06	Patch: 105703-07	Patch: 106040-03
Patch: 106049-02	Patch: 105797-05	Patch: 105558-04	Patch: 105361-03
Patch: 106257-05	Patch: 105600-07	Patch: 105837-03	Patch: 108893-01
	Patch: 105379-06	Patch: 105703-27	Patch: 108890-01

A.8 Solaris 2.6 Patches (For the axion4 e*Way Only)

Table 13 lists the recommended Solaris 2.6 patches for the axion4 e*Way only.

Note: *These patches are recommended but not required. For required patches, see “Solaris patch requirements” on page 55.*

Important: *Do not install Patch: 105568-22 or Patch: 105181-26 for Java 1.3. They are kernel threads and should not be installed where the axion Gateway is installed as they will bring down the gateway.*

Table 13 Recommended Solaris 2.6 Patches for the axion4 e*Way Only

Patches			
Patch: 107497-01	Patch: 105562-03	Patch: 105786-14	Patch: 106025-01
Patch: 106842-09	Patch: 105356-18	Patch: 105720-14	Patch: 105558-01
Patch: 106183-03	Patch: 105395-06	Patch: 106216-01	Patch: 105338-07
Patch: 105642-03	Patch: 105615-08	Patch: 105802-03	Patch: 106027-01
Patch: 105181-19	Patch: 105665-03	Patch: 106084-01	Patch: 105360-10
Patch: 105401-09	Patch: 106049-02	Patch: 105633-05	Patch: 105591-09
Patch: 106141-01	Patch: 106257-05	Patch: 105633-38	Patch: 105743-01
Patch: 106075-01	Patch: 106271-06	Patch: 105618-01	Patch: 105223-04
Patch: 106049-01	Patch: 105210-27	Patch: 105400-02	Patch: 105375-26
Patch: 106044-01	Patch: 105568-17	Patch: 106841-01	Patch: 106172-02

Table 13 Recommended Solaris 2.6 Patches for the axion4 e*Way Only (Continued)

Patches			
Patch: 106035-01	Patch: 107733-06	Patch: 105284-33	Patch: 105795-03
Patch: 106033-01	Patch: 105181-05	Patch: 105464-01	Patch: 105795-05
Patch: 106031-02	Patch: 106173-02	Patch: 105669-02	Patch: 105375-07
Patch: 105990-01	Patch: 106171-01	Patch: 105630-01	Patch: 105362-08
Patch: 105988-01	Patch: 106170-02	Patch: 105160-02	Patch: 105362-18
Patch: 105953-01	Patch: 106169-02	Patch: 105669-10	Patch: 106064-01
Patch: 105867-01	Patch: 106168-02	Patch: 105416-01	Patch: 105552-02
Patch: 105792-02	Patch: 105836-02	Patch: 106193-01	Patch: 105403-01
Patch: 105757-01	Patch: 105742-03	Patch: 105800-01	Patch: 105552-03
Patch: 105755-03	Patch: 105604-05	Patch: 106317-01	Patch: 106235-08
Patch: 105746-01	Patch: 105600-05	Patch: 105363-05	Patch: 105741-02
Patch: 105736-01	Patch: 105222-03	Patch: 105363-16	Patch: 105580-05
Patch: 105724-01	Patch: 105651-06	Patch: 106123-01	Patch: 105741-09
Patch: 105722-01	Patch: 105847-01	Patch: 106262-01	Patch: 108091-03
Patch: 105718-02	Patch: 105845-01	Patch: 106261-01	Patch: 105637-01
Patch: 105705-02	Patch: 105797-02	Patch: 106260-01	Patch: 105570-01
Patch: 105693-03	Patch: 105786-03	Patch: 106219-01	Patch: 105357-01
Patch: 105686-02	Patch: 105780-01	Patch: 105390-02	Patch: 105357-04
Patch: 105621-02	Patch: 105778-01	Patch: 105959-01	Patch: 106029-01
Patch: 105615-03	Patch: 105720-03	Patch: 105421-01	Patch: 105356-05
Patch: 105568-05	Patch: 105572-03	Patch: 105472-02	Patch: 105926-01
Patch: 105562-01	Patch: 105564-02	Patch: 105837-02	Patch: 106125-02
Patch: 105518-01	Patch: 105529-01	Patch: 105703-03	Patch: 106125-10
Patch: 105516-01	Patch: 105528-01	Patch: 105566-01	Patch: 105364-01
Patch: 105490-04	Patch: 105486-02	Patch: 106138-01	Patch: 105426-01
Patch: 105405-01	Patch: 105379-03	Patch: 105497-01	Patch: 105407-01
Patch: 105397-02	Patch: 105214-01	Patch: 105377-03	Patch: 105189-02
Patch: 105393-02	Patch: 106323-01	Patch: 105492-02	Patch: 106040-13
Patch: 105216-03	Patch: 105654-03	Patch: 105798-03	Patch: 106040-03
Patch: 105210-05	Patch: 105924-03	Patch: 106150-01	Patch: 105361-03
Patch: 106828-01	Patch: 105379-06	Patch: 106112-01	

A.9 Solaris 7 Patches

Table 14 lists the recommended patches for Solaris 7.

Note: *These patches are recommended but not required. For required patches, see “Solaris patch requirements” on page 55.*

Table 14 Recommended Solaris 7 Patches

Patches			
Patch: 105642-05	Patch: 105665-03	Patch: 105786-07	Patch: 105558-03
Patch: 105181-17	Patch: 106049-01	Patch: 105720-06	Patch: 105837-02
Patch: 105181-28	Patch: 106257-04	Patch: 105797-05	Patch: 105703-07
Patch: 105490-04	Patch: 106271-04	Patch: 105600-07	Patch: 105566-06
Patch: 106828-01	Patch: 105755-07	Patch: 106429-02	Patch: 106222-01
Patch: 105401-16	Patch: 106301-01	Patch: 105633-30	Patch: 105591-12
Patch: 105181-11	Patch: 106439-02	Patch: 105284-20	Patch: 105375-09
Patch: 105562-03	Patch: 106448-01	Patch: 105284-31	Patch: 105552-02
Patch: 105210-17	Patch: 105490-07	Patch: 105464-01	Patch: 106235-02
Patch: 105568-12	Patch: 106226-01	Patch: 105669-04	Patch: 105357-02
Patch: 105216-03	Patch: 105210-25	Patch: 106242-02	Patch: 105356-07
Patch: 105621-09	Patch: 105568-14	Patch: 105669-09	Patch: 105926-01
Patch: 105393-07	Patch: 105210-38	Patch: 107492-01	Patch: 106125-06
Patch: 105395-03	Patch: 107733-09	Patch: 105800-05	Patch: 105407-01
Patch: 105615-04	Patch: 105379-05	Patch: 106193-03	Patch: 106040-10

A.10 Solaris 7 Patches (Japanese)

Table 15 lists the recommended patches for Solaris 7 (Japanese).

Note: *These patches are recommended but not required. For required patches, see “Solaris patch requirements” on page 55.*

Table 15 Recommended Solaris 7 Patches (Japanese)

Patches			
Patch: 107716-02	Patch: 106944-02	Patch: 107351-01	Patch: 107337-01
Patch: 107430-01	Patch: 106948-01	Patch: 107553-01	Patch: 107555-01
Patch: 108029-01	Patch: 106963-01	Patch: 107794-01	Patch: 106146-07

Table 15 Recommended Solaris 7 Patches (Japanese) (Continued)

Patches			
Patch: 107063-01	Patch: 107121-02	Patch: 107127-02	Patch: 107784-03
Patch: 107437-03	Patch: 107148-03	Patch: 107001-01	Patch: 107330-01
Patch: 107316-01	Patch: 107456-01	Patch: 107180-06	Patch: 107115-02
Patch: 106541-06	Patch: 107459-01	Patch: 107022-03	Patch: 106925-01
Patch: 107453-01	Patch: 107460-03	Patch: 107031-01	Patch: 107185-01
Patch: 107003-03	Patch: 107462-01	Patch: 106949-01	Patch: 107187-01
Patch: 107738-01	Patch: 107465-02	Patch: 106952-01	Patch: 107438-02
Patch: 106793-03	Patch: 107680-01	Patch: 107450-01	Patch: 106857-09
Patch: 106940-01	Patch: 107796-01	Patch: 107038-01	Patch: 107044-01
Patch: 106950-06	Patch: 107841-01	Patch: 107899-01	Patch: 107499-02
Patch: 106985-01	Patch: 107809-02	Patch: 107011-01	Patch: 107891-01
Patch: 106987-02	Patch: 106938-02	Patch: 107072-01	Patch: 106879-01
Patch: 107018-01	Patch: 106942-03	Patch: 107200-05	Patch: 106887-02
Patch: 107117-05	Patch: 106980-05	Patch: 107219-01	Patch: 107359-01
Patch: 107285-01	Patch: 107332-02	Patch: 107248-01	Patch: 107684-01
Patch: 107401-01	Patch: 106917-01	Patch: 107306-01	Patch: 107972-01
Patch: 107403-01	Patch: 107147-03	Patch: 107688-01	Patch: 107171-03
Patch: 107441-01	Patch: 107059-01	Patch: 107711-01	Patch: 107049-01
Patch: 107443-05	Patch: 107799-01	Patch: 107226-04	Patch: 107838-01
Patch: 107448-01	Patch: 107078-10	Patch: 107702-01	Patch: 106926-04
Patch: 107451-02	Patch: 107014-01	Patch: 106959-01	Patch: 107076-01
Patch: 107454-03	Patch: 107250-02	Patch: 106999-01	Patch: 107259-01
Patch: 107458-02	Patch: 107807-01	Patch: 106145-08	Patch: 107584-01
Patch: 107551-01	Patch: 107081-06	Patch: 106327-05	Patch: 106147-03
Patch: 107624-01	Patch: 107233-01	Patch: 106327-08	Patch: 107546-02
Patch: 107744-01	Patch: 106934-03	Patch: 107293-01	Patch: 107124-03
Patch: 107792-01	Patch: 107178-01	Patch: 107834-01	Patch: 107042-03
Patch: 107836-01	Patch: 106946-01	Patch: 107919-01	Patch: 107119-04
Patch: 107843-01	Patch: 107587-01	Patch: 106982-01	Patch: 107811-01
Patch: 107589-02	Patch: 106978-08	Patch: 107292-01	Patch: 106843-01
Patch: 106924-01	Patch: 106148-05	Patch: 107074-01	Patch: 107577-01
Patch: 106936-01	Patch: 106144-09	Patch: 107432-03	

A.11 Solaris 8 Patches

Table 16 lists the recommended patches for Solaris 8.

Note: *These patches are recommended but not required. For required patches, see “Solaris patch requirements” on page 55.*

Table 16 Recommended Solaris 8 Patches

Patches			
Patch: 109965-01	Patch: 109896-02	Patch: 108820-01	Patch: 109748-01
Patch: 109887-02	Patch: 109906-01	Patch: 108827-04	Patch: 110088-01
Patch: 109889-01	Patch: 108975-03	Patch: 109223-01	Patch: 109169-08
Patch: 108528-06	Patch: 108974-09	Patch: 109322-02	Patch: 109470-01
Patch: 109873-01	Patch: 108975-04	Patch: 109326-01	Patch: 109960-01
Patch: 109618-01	Patch: 110283-01	Patch: 109384-01	Patch: 109167-0
Patch: 108725-02	Patch: 110662-02	Patch: 109461-01	Patch: 109931-01
Patch: 108825-01	Patch: 110905-01	Patch: 109680-01	Patch: 108921-06
Patch: 108875-07	Patch: 110951-01	Patch: 109801-01	Patch: 108923-01
Patch: 108899-01	Patch: 109279-08	Patch: 109805-01	Patch: 109354-02
Patch: 108982-05	Patch: 110898-01	Patch: 110383-01	Patch: 108921-13
Patch: 108985-02	Patch: 110934-01	Patch: 109805-03	Patch: 108981-03
Patch: 109043-02	Patch: 109896-04	Patch: 110458-01	Patch: 108981-04
Patch: 109045-02	Patch: 109472-03	Patch: 109159-01	Patch: 109529-01
Patch: 109091-02	Patch: 109657-01	Patch: 108874-01	Patch: 109238-01
Patch: 109137-01	Patch: 109740-02	Patch: 109793-03	Patch: 109128-01
Patch: 109145-01	Patch: 109742-02	Patch: 109880-01	Patch: 109679-01
Patch: 109147-06	Patch: 109764-02	Patch: 109928-04	Patch: 109704-02
Patch: 109149-01	Patch: 109877-01	Patch: 109872-01	Patch: 109766-01
Patch: 109277-01	Patch: 109883-01	Patch: 109893-01	Patch: 109025-01
Patch: 109279-06	Patch: 109898-01	Patch: 108652-15	Patch: 109460-02
Patch: 109324-01	Patch: 110075-01	Patch: 108652-27	Patch: 108606-07
Patch: 109524-02	Patch: 108727-04	Patch: 108652-37	Patch: 108808-10
Patch: 109571-02	Patch: 108966-03	Patch: 108940-09	Patch: 109134-03
Patch: 109576-01	Patch: 108977-01	Patch: 108940-33	Patch: 108869-02
Patch: 109729-01	Patch: 108991-05	Patch: 108960-01	Patch: 109037-01
Patch: 109783-01	Patch: 108993-01	Patch: 109221-02	Patch: 109328-01
Patch: 109803-01	Patch: 108995-01	Patch: 110453-01	Patch: 109667-01
Patch: 109807-01	Patch: 108997-03	Patch: 109221-06	Patch: 109695-01

Table 16 Recommended Solaris 8 Patches (Continued)

Patches			
Patch: 109809-01	Patch: 108999-01	Patch: 109318-04	Patch: 109920-02
Patch: 109902-01	Patch: 109785-01	Patch: 109587-02	Patch: 109029-01
Patch: 109994-01	Patch: 109874-02	Patch: 108962-01	Patch: 109922-02
Patch: 108528-03	Patch: 109879-01	Patch: 108823-01	Patch: 109926-02
Patch: 108964-03	Patch: 109882-02	Patch: 108970-01	Patch: 109320-01
Patch: 108974-06	Patch: 109885-02	Patch: 109936-01	Patch: 109731-02
Patch: 108979-10	Patch: 109888-02	Patch: 109013-02	Patch: 109892-01
Patch: 108983-05	Patch: 109894-01	Patch: 110700-01	Patch: 109568-02
Patch: 108984-02	Patch: 109900-01	Patch: 109066-03	Patch: 109727-01
Patch: 108989-02	Patch: 109904-01	Patch: 108714-02	Patch: 109890-01
Patch: 109003-01	Patch: 109954-01	Patch: 108949-03	Patch: 109924-02
Patch: 109005-01	Patch: 108968-02	Patch: 109142-03	Patch: 108806-02
Patch: 109007-02	Patch: 108972-04	Patch: 108919-02	Patch: 108909-05
Patch: 109009-01	Patch: 109367-09	Patch: 109165-06	Patch: 108680-02
Patch: 109011-01	Patch: 109369-03	Patch: 109152-01	Patch: 108987-02
Patch: 109015-01	Patch: 111023-01	Patch: 109990-01	Patch: 109862-01
Patch: 109017-01	Patch: 109472-04	Patch: 108947-01	Patch: 108897-01
Patch: 109019-01	Patch: 109740-03	Patch: 109887-01	Patch: 108569-02
Patch: 109021-01	Patch: 109898-02	Patch: 109244-02	Patch: 109639-02
Patch: 109023-01	Patch: 110901-01	Patch: 109881-02	Patch: 109234-01
Patch: 109027-01	Patch: 109041-03	Patch: 109077-01	Patch: 109607-01
Patch: 109031-01	Patch: 108993-02	Patch: 108609-01	Patch: 109642-01
Patch: 109033-01	Patch: 109883-02	Patch: 108835-01	Patch: 109813-01
Patch: 109035-01	Patch: 108727-06	Patch: 109582-01	Patch: 110609-01
Patch: 109876-01	Patch: 109888-05	Patch: 109613-01	Patch: 109892-03

A.12 Solaris 8 Patches (Japanese, Korean)

Table 17 lists the recommended patches for Solaris 8 (Japanese and Korean).

Note: *These patches are recommended but not required. For required patches, see “Solaris patch requirements” on page 55.*

Table 17 Recommended Solaris 8 Patches (Japanese, Korean)

Patches			
Patch: 109965-01	Patch: 109472-03	Patch: 109234-01	Patch: 109890-01
Patch: 109889-01	Patch: 109657-01	Patch: 109066-03	Patch: 109924-02
Patch: 109873-01	Patch: 109740-02	Patch: 108714-02	Patch: 108806-02
Patch: 109618-01	Patch: 109742-02	Patch: 108949-03	Patch: 108909-05
Patch: 108725-02	Patch: 109764-02	Patch: 109142-03	Patch: 108680-02
Patch: 108825-01	Patch: 109877-01	Patch: 108919-02	Patch: 108987-02
Patch: 108875-07	Patch: 109883-01	Patch: 109165-06	Patch: 109862-01
Patch: 108899-01	Patch: 109898-01	Patch: 109152-01	Patch: 108897-01
Patch: 108982-05	Patch: 110075-01	Patch: 109990-01	Patch: 108569-02
Patch: 108985-02	Patch: 108727-04	Patch: 108947-01	Patch: 109154-03
Patch: 109043-02	Patch: 108966-03	Patch: 109887-01	Patch: 108735-02
Patch: 109045-02	Patch: 108977-01	Patch: 109244-02	Patch: 109133-02
Patch: 109091-02	Patch: 108991-05	Patch: 109881-02	Patch: 109087-01
Patch: 109137-01	Patch: 108993-01	Patch: 109694-01	Patch: 108734-02
Patch: 109145-01	Patch: 108995-01	Patch: 109815-01	Patch: 109552-01
Patch: 109147-06	Patch: 108997-03	Patch: 109908-01	Patch: 108914-02
Patch: 109149-01	Patch: 108999-01	Patch: 109935-01	Patch: 108954-02
Patch: 109277-01	Patch: 109785-01	Patch: 109077-01	Patch: 109094-01
Patch: 109279-06	Patch: 109874-02	Patch: 108609-01	Patch: 109179-04
Patch: 109324-01	Patch: 109879-01	Patch: 108835-01	Patch: 109200-02
Patch: 109524-02	Patch: 109882-02	Patch: 109582-01	Patch: 109249-01
Patch: 109571-02	Patch: 109885-02	Patch: 109613-01	Patch: 109573-01
Patch: 109576-01	Patch: 109888-02	Patch: 109748-01	Patch: 109910-01
Patch: 109729-01	Patch: 109894-01	Patch: 110088-01	Patch: 109247-01
Patch: 109783-01	Patch: 109900-01	Patch: 109169-08	Patch: 110065-01
Patch: 109803-01	Patch: 109904-01	Patch: 109470-01	Patch: 109564-01
Patch: 109807-01	Patch: 109954-01	Patch: 109960-01	Patch: 109692-03
Patch: 109809-01	Patch: 108968-02	Patch: 109167-01	Patch: 109264-01
Patch: 109902-01	Patch: 108972-04	Patch: 109931-01	Patch: 109639-02

Table 17 Recommended Solaris 8 Patches (Japanese, Korean) (Continued)

Patches			
Patch: 109994-01	Patch: 109367-09	Patch: 108921-06	Patch: 108711-04
Patch: 108528-03	Patch: 109369-03	Patch: 108923-01	Patch: 108933-01
Patch: 108964-03	Patch: 109920-03	Patch: 109354-02	Patch: 109452-01
Patch: 108974-06	Patch: 108820-01	Patch: 108605-10	Patch: 109255-01
Patch: 108979-10	Patch: 108827-04	Patch: 108981-03	Patch: 110019-01
Patch: 108983-05	Patch: 109223-01	Patch: 109754-03	Patch: 109068-01
Patch: 108984-02	Patch: 109322-02	Patch: 108576-06	Patch: 109176-02
Patch: 108989-02	Patch: 109326-01	Patch: 109679-01	Patch: 109411-02
Patch: 109003-01	Patch: 109384-01	Patch: 109529-01	Patch: 109131-03
Patch: 109005-01	Patch: 109461-01	Patch: 109189-02	Patch: 109755-01
Patch: 109007-02	Patch: 109680-01	Patch: 109238-01	Patch: 109093-03
Patch: 109009-01	Patch: 109801-01	Patch: 109718-01	Patch: 109441-02
Patch: 109011-01	Patch: 109805-01	Patch: 109128-01	Patch: 109072-05
Patch: 109015-01	Patch: 109159-01	Patch: 109704-02	Patch: 109070-01
Patch: 109017-01	Patch: 108874-01	Patch: 109766-01	Patch: 109951-01
Patch: 109019-01	Patch: 109793-03	Patch: 108833-04	Patch: 109157-07
Patch: 109021-01	Patch: 109880-01	Patch: 109025-01	Patch: 109868-02
Patch: 109023-01	Patch: 109928-04	Patch: 109460-02	Patch: 109609-01
Patch: 109027-01	Patch: 109872-01	Patch: 108606-07	Patch: 109750-03
Patch: 109031-01	Patch: 109893-01	Patch: 108808-10	Patch: 108925-07
Patch: 109033-01	Patch: 108664-04	Patch: 109134-03	Patch: 110044-01
Patch: 109035-01	Patch: 110320-01	Patch: 108869-02	Patch: 109622-01
Patch: 109876-01	Patch: 108652-15	Patch: 109037-01	Patch: 108956-01
Patch: 109896-02	Patch: 108940-09	Patch: 109328-01	Patch: 108781-01
Patch: 109906-01	Patch: 108960-01	Patch: 109667-01	Patch: 109752-01
Patch: 108975-03	Patch: 109221-02	Patch: 109695-01	Patch: 109543-03
Patch: 108723-01	Patch: 109318-04	Patch: 109920-02	Patch: 109660-01
Patch: 108901-03	Patch: 109587-02	Patch: 109922-02	Patch: 109039-04
Patch: 109041-02	Patch: 108962-01	Patch: 109926-02	Patch: 109607-01
Patch: 109181-02	Patch: 108604-10	Patch: 109320-01	Patch: 109642-01
Patch: 109202-01	Patch: 108823-01	Patch: 109731-02	Patch: 109813-01
Patch: 109236-01	Patch: 108970-01	Patch: 109892-01	Patch: 108127-03
Patch: 109454-01	Patch: 109936-01	Patch: 109568-02	Patch: 108813-03
Patch: 109458-01	Patch: 109013-02	Patch: 109727-01	Patch: 109715-01

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