

SYBASE®

Installation Guide

RepConnector™

15.0

[WINDOWS, LINUX, UNIX]

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About This Book

Audience	This book is for system and installation administrators.
How to use this book	<p>This book contains these chapters:</p> <ul style="list-style-type: none">• Chapter 1, “Overview,” describes RepConnector™ and how it integrates with your systems.• Chapter 2, “Installing RepConnector,” instructs you how to install InstallShield and RepConnector.• Chapter 3, “Post-Installation Tasks,” describes post-installation tasks for RepConnector.• Chapter 4, “Upgrading from an existing RepConnector 2.0 installation,” describes upgrading RepConnector.• Chapter 5, “Uninstalling RepConnector 15.0,” instructs you in uninstalling RepConnector.
Related documents	<p>Document sets for Unwired Orchestrator®, Sybase® Adaptive Server™ Enterprise, Replication Server®, and EAServer are included with this product.</p> <p>Document sets for Oracle, BEA Weblogic, TIBCO, IBM Websphere MQ, and Sonic MQ are optional and not included with this product. Documentation for Eclipse can be found at http://eclipse.org.</p>
Other sources of information	<p>Use the Sybase Getting Started CD, the SyBooks CD, and the Sybase Product Manuals Web site to learn more about your product:</p> <ul style="list-style-type: none">• The Getting Started CD contains release bulletins and installation guides in PDF format, and may also contain other documents or updated information not included on the SyBooks CD. It is included with your software. To read or print documents on the Getting Started CD, you need Adobe Acrobat Reader, which you can download at no charge from the Adobe Web site using a link provided on the CD.• The SyBooks CD contains product manuals and is included with your software. The Eclipse-based SyBooks browser allows you to access the manuals in an easy-to-use, HTML-based format.

Some documentation may be provided in PDF format, which you can access through the PDF directory on the SyBooks CD. To read or print the PDF files, you need Adobe Acrobat Reader.

Refer to the *SyBooks Installation Guide* on the Getting Started CD, or the *README.txt* file on the SyBooks CD for instructions on installing and starting SyBooks.

- The Sybase Product Manuals Web site is an online version of the SyBooks CD that you can access using a standard Web browser. In addition to product manuals, you will find links to EBFs/Maintenance, Technical Documents, Case Management, Solved Cases, newsgroups, and the Sybase Developer Network.

To access the Sybase Product Manuals Web site, go to Product Manuals at <http://www.sybase.com/support/manuals/>.

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Technical documentation at the Sybase Web site is updated frequently.

❖ Finding the latest information on product certifications

- 1 Point your Web browser to Technical Documents at <http://www.sybase.com/support/techdocs/>.
- 2 Select Products from the navigation bar on the left.
- 3 Select a product name from the product list and click Go.
- 4 Select the Certification Report filter, specify a time frame, and click Go.
- 5 Click a Certification Report title to display the report.

❖ Creating a personalized view of the Sybase Web site (including support pages)

Set up a MySybase profile. MySybase is a free service that allows you to create a personalized view of Sybase Web pages.

- 1 Point your Web browser to Technical Documents at <http://www.sybase.com/support/techdocs/>.
- 2 Click MySybase and create a MySybase profile.

Sybase EBFs and software maintenance

❖ Finding the latest information on EBFs and software maintenance

- 1 Point your Web browser to the Sybase Support Page at <http://www.sybase.com/support>.

- 2 Select EBFs/Maintenance. Enter user name and password information, if prompted (for existing Web accounts) or create a new account (a free service).
- 3 Select a product.
- 4 Specify a time frame and click Go.
- 5 Click the Info icon to display the EBF/Maintenance report, or click the product description to download the software.

Conventions

This manual uses these style conventions:

- Commands that you enter exactly as shown appear in a Courier font:

On Windows:

```
dir \work\sybase
```

On UNIX:

```
setenv SYBASE /work/sybase
```

- Words you replace with the appropriate value for your installation appear in italics:

```
isql -Uyour_username -Pyour_password
```

- The names of files, volumes, and directories appear in italics:

On UNIX: */work/sybase*

On Windows: *\work\sybase*

- The names of programs, utilities, stored procedures, databases, and commands appear in a sans serif font:

ratool

- Items within a graphical pull-down menu appear with vertical bars showing the menu hierarchy:

File | Print

Syntax conventions

Syntax formatting conventions are summarized as follows. Examples that combine these elements follow the table.

Key	Definition
<i>variable</i>	Variables (words that stand for values that you fill in) appear in italics.
{ }	Curly braces mean that you must choose at least one of the enclosed options. Do not include braces in the command.
[]	Brackets mean that you may choose or omit enclosed options. Do not include brackets in the command.

Key	Definition
	Vertical bars mean that you may choose no more than one option, which must be enclosed in braces or brackets.
,	Commas mean that you may choose as many options as you need. Options must be enclosed in braces or brackets. Separate your choices with commas. Commas may also be required in other syntax contexts.
()	Parentheses are typed as part of the command.
...	An ellipsis (three dots) means that you may repeat the last unit as many times as necessary.

Required choices

- Curly braces and vertical bars – choose one and only one option.
 {red | yellow | blue}
- Curly braces and commas – choose one or more options. If you choose more than one, separate your choices with commas.
 {cash, check, credit}

Optional choices

- One item in square brackets – choose or omit it.
 [anchovies]
- Square brackets and vertical bars – choose none or only one.
 [beans | rice | sweet_potatoes]
- Square brackets and commas – choose none, one, or more options. If you choose more than one, separate your choices with commas.
 [extra_cheese, avocados, sour_cream]

Repeated elements

An ellipsis (...) means that you may repeat the last unit as many times as necessary. For example, when you use the alter function replication definition command, you can list one or more parameters and their datatypes for the add clause or the add searchable parameters clause:

```
alter function replication definition function_rep_def
  {deliver as 'proc_name' |
  add @parameter datatype [, @parameter datatype]... |
  add searchable parameters @parameter [, @parameter]... |
  send standby {all | replication definition}
  parameters}
```

Accessibility features

This document is available in an HTML version that is specialized for accessibility. You can navigate the HTML with an adaptive technology such as a screen reader, or view it with a screen enlarger.

RepConnector 2.5 and the HTML documentation have been tested for compliance with U.S. government Section 508 Accessibility requirements. Documents that comply with Section 508 generally also meet non-U.S. accessibility guidelines, such as the World Wide Web Consortium (W3C) guidelines for Web sites.

For information on using this product without a mouse, see the *RepConnector Configuration and User's Guide*.

Note You might need to configure your accessibility tool for optimal use. Some screen readers pronounce text based on its case; for example, they pronounce ALL UPPERCASE TEXT as initials, and MixedCase Text as words. You might find it helpful to configure your tool to announce syntax conventions. Consult the documentation for your tool.

For information about how Sybase supports accessibility, see Sybase Accessibility at <http://www.sybase.com/accessibility>. The Sybase Accessibility site includes links to information on Section 508 and W3C standards.

For more information about accessibility features of RepConnector 15.0, see the *RepConnector Configuration and User's Guide*.

For a Section 508 compliance statement for RepConnector, go to www.sybase.com/accessibility.

If you need help

Each Sybase installation that has purchased a support contract has one or more designated people who are authorized to contact Sybase Technical Support. If you cannot resolve a problem using the manuals or online help, please have the designated person contact Sybase Technical Support or the Sybase subsidiary in your area.



Overview

This chapter introduces the overall installation process for Sybase RepConnector.

This chapter covers the following topics:

Topic	Page
Introduction	1
Installation workflow	2

Introduction

RepConnector combines traditional data integration with message-level integration. You must install RepConnector in the same directory structure as the application server that you will be using it with.

RepConnector consists of two components:

- RepConnector runtime component – the RepConnector component that monitors databases for business events of interest, transforms them into XML, and routes them to messaging systems, Java components, integration servers, business process engines, or other applications. It also routes events from messaging systems to databases.
- RepConnector Manager – a graphical user interface (GUI) application that allows you to create, configure, and manage RepConnector connections.

Installation workflow

RepConnector is one part of a larger system full of several products. You must have this system available to install RepConnector. For example, if your application server is Sybase EAServer, then EAServer must be installed, configured, and running before you begin to install RepConnector.

To ensure that you install RepConnector successfully, you should follow this basic workflow:

- 1 Review system requirements
- 2 Install and start the application server
- 3 Start InstallShield
- 4 Install and deploy RepConnector
- 5 Verify the installation
- 6 Set or verify the values of required environment variables

The following chapters describe the tasks in this workflow.

Installing RepConnector

This chapter describes the steps for installing and deploying Sybase RepConnector, then verifying the installation.

This chapter covers the following topics:

Topics	Page
Reviewing system requirements	3
Before installing	5
Installing and deploying RepConnector	7
Verifying the installation	13

Reviewing system requirements

RepConnector requires a specific environment to run correctly. This section describes the software, operating system, memory, and disk space that RepConnector needs to run successfully.

Required servers

The following servers must be installed and running before you can install RepConnector:

- Sybase Replication Server version 12.6 or 15.0
- One of the following:
 - Sybase EAServer version 5.2 running with JDK 1.4, with EBFs Solaris 13238, Linux 13507, and AIX 13508
 - BEA WebLogic version 8.1 running with Java Development Kit (JDK) 1.4
- One of the following:
 - Sybase Adaptive Server Enterprise version 12.6 or 15.0

- Oracle 9i or 10g

Use Oracle 10g only for messages to the database. For JDK 1.4, use Oracle JDBC driver 9205.

System configuration

RepConnector requires the system configuration described in Table 2-1.

Table 2-1: RepConnector system configuration

Item	Requirement
Disk space	A minimum of 160MB of available hard disk space. A minimum of 50MB in the system temporary directory (<i>TEMP</i> on Windows or <i>/tmp</i> on UNIX).
Memory	The minimum memory required is 512MB. Note Recommended memory for satisfactory performance depends on message rates, message sizes, and application-specific factors.
Operating system	One of the following platforms: <ul style="list-style-type: none">• Windows 2000 Service Pack 3 or later• Windows 2003• Solaris version 8.0 or 9.0• AIX 5.2 or 5.3.• Linux 2.1 or 3.0

Note Information about disk space and memory requirements for the other components in the system is available in the documentation for each specific product.

Other optional software

- IBM Websphere MQ/MQJMS 5.3.
-
- **Note** IBM JMS classes are installed by default when you install IBM Websphere MQ Series 5.3.x, but not if you install IBM MQ Series 5.x. See the IBM Web site at www.ibm.com for more information.
-

- TIBCO Rendezvous version 7.4.1 or later
- TIBCO Enterprise for JMS version 4.3.0
- TIBCO Active Enterprise 4.1
- Sonic MQ version 6.1
- Unwired Orchestrator

For information on how RepConnector works with Unwired Orchestrator, see the *RepConnector Configuration and User's Guide*.

- Eclipse 3.0.1

Before installing

Before installing RepConnector:

- Verify that you have enough disk space for InstallShield to create the RepConnector directory structure. Check the requirements in Table 2-1 on page 4.
- Review the environment variables that are used by the RepConnector installation. See “Reviewing environment variables” on page 6 for more information.
- Install and start the application server before you install RepConnector:
 - If you are using EAServer, install and start both EAServer and Jaguar Manager. See the *EAServer Installation and Configuration Guide*.
 - If you are using WebLogic, install and start both WebLogic and the WebLogic Server Console. See the BEA documentation for WebLogic at <http://commerce.bea.com/index.jsp>.
- Verify that your application server is running and ready to accept connections.

- When EAServer is ready, the server console displays this message:

```
Accepting Connections
```

- When WebLogic is ready, the server console displays this message:

```
Server started in RUNNING mode
```

See your application server documentation for more information.

- If you are installing on a UNIX machine, verify that your PATH environment variable includes “.” at the end of the definition so that applications look for executable files from the current directory.

If “.” is not included in the PATH environment variable, add it to the PATH environment as follows:

- In the UNIX sh environment:

```
PATH= . :$PATH
export PATH
```

- In the UNIX csh, tcsh environments:

```
setenv PATH . :$PATH
```

Reviewing environment variables

The following environment variables are used by the RepConnector installation.

For UNIX:

Variable	Description
\$\$SYBASE	The default location of the Sybase product installation
\$JAGUAR	The location of the EAServer installation
\$REPR_HOME	The location of RepConnector installation (\$JAGUAR/repra)
\$JAVA_HOME	The location of the JDK
\$BEA_HOME	The root location of the BEA product installation

For Windows:

Variable	Description
%SYBASE%	The default location of the Sybase product installation
%JAGUAR%	The location of the EAServer installation

Variable	Description
%REPR_HOME%	The location of RepConnector installation (%JAGUAR%\repra)
%JAVA_HOME%	The location of the JDK
%BEA_HOME%	The root location of the BEA product installation

Installing and deploying RepConnector

The following section describes the steps you must follow to install and deploy both the RepConnector runtime component and RepConnector Manager. See Chapter 1, “Overview,” for more information about RepConnector.

❖ Starting InstallShield on UNIX

1 Insert the RepConnector CD into your CD drive.

2 Mount the CD:

- On a Solaris platform, the operating system mounts the CD automatically. If you get CD-reading errors, check your operating system kernel to verify that the ISO 9660 option is turned on.

Note If your CD shows up as anything other than `repcon15.0sol`, this means you previously installed a Sybase CD on your system. Perform either of these two options to install your current CD:

- Restart your system.
 - Delete the `sybasecd` file in `/vol/dsk`.
-

- On an IBM AIX platform, mount the CD using the following command, where `repcon15aix` is the CD drive device name, and `cdrom` is the name of the directory where the CD is to be mounted:

```
/usr/sbin/mount -v 'cdrfs' -r" device_name RC125IBM/cdrom
```

The location of the mount command is site-specific and may differ from what is shown in these instructions.

3 At the UNIX prompt, enter the following to start installation, where `cdrom` is the directory you specified when mounting the CD drive:

- On Solaris,

- a At the command line, enter `cd /cdrom/repcon15.0sol.`
- b Enter `./setupSOL.bin.`
- On AIX:
 - a At the command line, enter `cd /cdrom/repcon15.0aix.`
 - b Enter `./setupAIX.bin.`
- On Linux,
 - a At the command line, enter:
`cd /cdrom/repcon15.0$`
 - b Enter
`./setupLinux`

❖ **Starting InstallShield on Windows**

- 1 Insert the RepConnector CD into your CD drive.
- 2 If InstallShield does not start automatically, go to the CD drive which holds the installation CD and double-click *setupWIN.exe*.

❖ **Installing RepConnector components**

To install either the RepConnector runtime component or RepConnector Manager after starting InstallShield:

- 1 When the InstallShield Welcome window appears, click Next.
- 2 On the End-user License Agreement window, select your country from the drop-down list and read the end-user license agreement carefully.

Select I Agree to continue with the installation.

Note If you do not select I Agree, you cannot install the software. You must click Cancel to end the installation process.

Click Next.

- 3 Select one of the following:

- RepConnector for Sybase EAServer, which installs the RepConnector runtime component into the EAServer directory structure. Click Next, then follow the steps in “Installing the RepConnector runtime component.”

Note You must have Sybase EAServer 5.2 already installed and running on your machine before you can install this option.

- RepConnector for BEA WebLogic, which installs the RepConnector runtime component into the WebLogic directory structure. Click Next, then follow the steps in “Installing the RepConnector runtime component.”

Note You must have BEA WebLogic version 8.1 already installed and running on your machine before you can install this option.

- RepConnector Manager, which installs the RepConnector Manager component. Click Next, then follow the steps in “Installing RepConnector Manager” on page 11.

❖ **Installing the RepConnector runtime component**

After you have completed the previous procedure, follow these steps to install the RepConnector runtime component using InstallShield:

- 1 Enter or browse for the name of the directory where the selected application server is installed.

For example, if you are installing RepConnector with EAServer, the default location is:

- On Windows, %SYBASE%\EAServer
- On UNIX, \$SYBASE/EAServer

Click Next.

- 2 Enter connectivity information for your application server:
 - If you are installing on EAServer, enter the EAServer information (the defaults are listed):
 - Host name = (your machine name)
 - Port number = 9000, or your port number
 - User name = jagadmin, or your user name

- Password = (blank)
 - If you are installing on BEA WebLogic Server, enter the WebLogic information (the defaults are listed):
 - Host name = (your machine name)
 - Domain name = (your domain name)
 - Server name = (your server name)
 - Port number = 7001, or your port number
 - User name = weblogic, or your user name
 - Password = (blank)
- 3 InstallShield tries to connect to the application server by sending a ping. If the ping is successful, InstallShield takes you to the next step.

If the ping is not successful, InstallShield displays an error message:

Ping to the server failed. Verify that the server is running, and that you have entered valid information

To troubleshoot the error:

- 1 Verify that the server is running and ready to accept connections. See “Before installing” on page 5 for more information.
- 2 If the server is running, verify that the information you entered in the previous step is correct. See your system administrator if you are not able to verify this information.

If the server is not running, restart it.
- 3 If the server is running, the information in the InstallShield wizard is correct, and there is no other apparent reason for the failure, ask your Sybase representative to call Sybase Technical Support.
- 4 In the preview window, verify the size of the installation. If the installation is larger than the space you have available, see your system administrator to reassess the requirements.
- 5 InstallShield installs the RepConnector runtime component, then deploys it to the application server.

If you have an existing RepConnector installation, InstallShield asks if you want to overwrite that installation. Click Yes to overwrite or Cancel.
- 6 When InstallShield finishes installing and deploying the RepConnector runtime component, it prompts you to select one of these options:

- Install RepConnector Manager, which takes you to the InstallShield page that installs Eclipse (if it is not already installed on your machine) and the RepConnector administration tool. Click Next and proceed to the next section, Installing RepConnector Manager.

Note You can also install RepConnector Manager at a later time or on a separate machine.

- Do not install RepConnector Manager, which takes you to the last page of InstallShield and completes installation. Click Finish.

Installing RepConnector Manager

If you chose to install RepConnector Manager in “Installing RepConnector components” on page 8, follow the steps in this section.

Note If you are running on AIX, before you install RepConnector Manager, verify that you have the correct operating system patches:

- For AIX 5.1 – APAR IY27695 and APAR IY41942
- For AIX 5.2 – APAR IY41944

You can retrieve these patches from the IBM support web page at <http://www.ibm.com>.

From the RepConnector Manager Options window, select one of the following options:

- Install Eclipse and RepConnector Manager to install both RepConnector Manager and Eclipse. This option is best if you do not have an existing Eclipse installation or an existing Unwired Orchestrator installation. See the procedure called “Installing RepConnector Manager and Eclipse,” which follows.
- Install RepConnector Manager on the Existing Eclipse, if you have an existing Eclipse installation and want to install RepConnector Manager into the Eclipse installation directory. See the next procedure called “Installing RepConnector Manager to an existing Eclipse directory”.

- Install RepConnector Manager on the Existing Sybase Unwired Orchestrator, if you are installing RepConnector Manager on a machine with an existing Unwired Orchestrator installation and want to install it in the Integrator Orchestrator installation directory. See the procedure called “Installing RepConnector Manager with an existing Unwired Orchestrator” on page 13.

❖ **Installing RepConnector Manager and Eclipse**

If you chose to install RepConnector Manager on a machine that does not have an existing Eclipse installation:

- 1 Enter the directory in which you want to install RepConnector Manager and Eclipse, or accept the default, which is `<AppServer>\repra\eclipse`. Then click Next.
- 2 On the preview page, click OK.
InstallShield installs RepConnector Manager and the Eclipse Framework into the directory you indicated.
- 3 When the installation is finished, click Finish.
- 4 Follow the verification steps in “Verifying the installation” on page 13.

❖ **Installing RepConnector Manager to an existing Eclipse directory**

If you chose to install RepConnector Manager to an existing Eclipse directory structure:

- 1 Enter the directory for your Eclipse installation.
Click Next.
- 2 If there is an existing RepConnector Manager installed, InstallShield prompts:

```
Do you want to override the existing RepConnector
Manager installation?
```

Click Yes if you want to continue.

Note If you click No, InstallShield does not install RepConnector Manager.

- 3 InstallShield installs RepConnector Manager. Follow the verification steps in “Verifying the installation” on page 13.

❖ Installing RepConnector Manager with an existing Unwired Orchestrator

If you chose to install RepConnector Manager on a machine with an existing Unwired Orchestrator installation:

- 1 Enter the directory for your Unwired Orchestrator installation.
- 2 Click Next to install RepConnector Manager in the Unwired Orchestrator directory, or click Browse to change the directory.

InstallShield installs RepConnector Manager into the Unwired Orchestrator directory. Now, you can configure and run RepConnector and Unwired Orchestrator from the same Eclipse framework.

- 3 When the installation is complete, click Finish.
- 4 The next time you start Unwired Orchestrator (using *IntegrationOrchestrator40.bat*), a notification window appears:

```
Pending Configuration Changes
```

```
Check the changes you wish to process now. Remove  
changes that should never be processed.
```

Accept the configuration change you just made (it is listed with the current date and time).

- 5 You are prompted:

```
You will need to restart the workbench for the  
changes to take effect. Would you like to restart  
now?
```

Click Yes to restart Eclipse.

Verifying the installation

Follow the appropriate procedure to verify your installation.

Note Your EAServer should still be running from before you installed RepConnector. If it is not, restart it using the steps in Chapter 3, “Post-Installation Tasks.”

❖ Verifying the RepConnector installation for EAServer

To verify a RepConnector installation in an EAServer environment:

- 1 Start Jaguar Manager if not already started:
 - On Windows, select Start | Programs | Sybase | EAServer 5.2 | Jaguar Manager, or from the command line, where `%JAGUAR%` is the location of the EAServer installation, enter:

```
%JAGUAR%\bin\jagmgr
```
 - On UNIX, from the command line, where `$JAGUAR` is the location of the EAServer installation, navigate to `$JAGUAR/bin` and enter:

```
./jagmgr
```
- 2 In the Jaguar Manager window, select Tools | Connect | Jaguar Manager to connect to your EAServer.
- 3 On the Login dialog box, enter:
 - The user name. The default is “jagadmin.”
 - The password. The default is blank.
 - The host name. The default is your machine name.
 - The port number. The default is 9000.Click Connect.
- 4 To verify that RepConnector is deployed to your EAServer installation directory structure:
 - a Open the Servers folder.
 - b Open the EAServer folder. (“Jaguar” is the default name.)
 - c Open the Installed Applications folder and verify that the Sybase RepConnector object is listed.

❖ **Verifying the RepConnector runtime installation for WebLogic**

Note Your WebLogic server should still be running from before you installed RepConnector. If it is not, restart it following the steps in Chapter 3, “Post-Installation Tasks.”

To verify a RepConnector installation in a WebLogic environment:

- 1 Start the WebLogic Server Console, if not already started.

See the WebLogic documentation at <http://commerce.bea.com/index.jsp> for more information.

- 2 Open your Internet Explorer or Netscape browser and connect to *http://<hostname>:port_number/console*.

For example, enter:

```
http://localhost:7001/console
```

- 3 Enter your user name and password to connect to the server. For example, enter `weblogic` for both your user name and password.
- 4 Go to *<your_domain>/Deployments/Applications*.
- 5 Verify that the SybaseRepConnector folder is listed.

❖ Verifying the RepConnector Manager installation

If you installed RepConnector Manager, follow this procedure to verify the installation.

- 1 From the RepConnector Manager installation directory, run the RepConnector Manager batch or script file, where *your_app_server* is the application server:
 - On Windows, go to *\your_app_server\repra\eclipse*, and run *RepConnectorManager.bat*.
 - On UNIX, go to */your_app_server/repra/eclipse*, and run *RepConnectorManager.sh*.

Eclipse starts and displays the RepConnector Manager Welcome window.

Note If the RepConnector Manager Welcome window does not display:

- 1 Select Help | Welcome.
 - 2 Select To Show Welcome Page for Sybase RepConnectors.
-
- 2 The RepConnector Manager view is added to your workbench below the Welcome window, and a Sybase RepConnector icon is displayed in the RepConnector Manager view.

If you do not see the RepConnector Manager view displayed:

 - a Select Window | Show View | Other | Sybase| RepConnector Category.
 - b From the Show View dialog box, select Sybase RepConnector View.

The RepConnector Manager view should now be displayed.
 - 3 Click the Sybase RepConnector icon to expand it.

Two sample connection profiles are now listed under the Sybase RepConnector icon:

```
SybaseRepConnector  
- EAServer:8080  
- weblogic:7001
```

If you do not see the tree structure displayed under the Sybase RepConnector icon, have your Sybase contact call Sybase Technical Support.

This chapter describes the post-installation steps for both Windows and UNIX that are required after you have installed the RepConnector and verified the installation (see Chapter 2, “Installing RepConnector”).

This chapter covers the following topics:

Topics	Page
Post-installation tasks for Windows	17
Post-installation tasks for UNIX	21

Post-installation tasks for Windows

RepConnector requires specific environment variable settings to run with your application server and target messaging systems. These environment variables are set in the *repra_env.bat* file. The location for *repra_env.bat* is:

- For EAServer, *%JAGUAR%\repra\bin*, where *%JAGUAR%* is the location of the EAServer installation.
- For WebLogic, *%BEA_HOME%\repra\bin*, where *%BEA_HOME%* is the location of the WebLogic Server installation.

Most environment variables are already set correctly for your environment in *repra_env.bat*. However, you must also verify that the environment variable for your messaging system is set properly and that *repra_env.bat* is called by the batch file that starts your application server.

Note Whenever you modify *repra_env.bat*, you must restart your application server for the new values to take effect.

Use the following procedures to set up and verify your RepConnector environment on Windows.

If you are using WebLogic, verify that the `BEA_HOME` environment variable is set to the path of your WebLogic installation.

❖ **Verifying that `user_setenv.bat` calls `repra_env.bat` for EAServer**

- 1 Go to `EAServer\bin`.
- 2 Right-click `user_setenv.bat` and select Edit.
- 3 Verify that `user_setenv.bat` contains the following line:

```
if exist "%JAGUAR%\repra\bin\repra_env.bat" CALL
"%JAGUAR%\repra\bin\repra_env.bat"
```

❖ **Modifying the server-starting batch file to call `repra_env.bat` for WebLogic**

See your BEA documentation for the details about the WebLogic installation.

- 1 Locate the batch file that you use to start your server. Typically, the file is in your domain directory and is called `startWebLogic.cmd`.

For example, the file could be:

`C:\BEA\user_projects\domains\mydomain\startWebLogic.cmd`

- 2 Modify the file to call `repra_env.bat`, and apply `repra_env.bat` environment variable settings to the server environment. Add the new line just above the line that starts the server. For example:

- Before your edits:

```
%JAVA_HOME%\bin\java %JAVA_VM% %MEM_ARGS% %JAVA_OPTIONS% -
Dweblogic.Name=%SERVER_NAME% -
Dweblogic.ProductionModeEnabled=%PRODUCTION_MODE% -
Djava.security.policy="%WL_HOME%\server\lib\weblogic.policy"
weblogic.Server
```

- After your edits (see the lines in bold):

```
if exist C:\BEA\repra\bin\repra_env.bat CALL
C:\BEA\repra\bin\repra_env.bat
```

```
%JAVA_HOME%\bin\java %JAVA_VM% %MEM_ARGS% %JAVA_OPTIONS% -
Dweblogic.Name=%SERVER_NAME% -
Dweblogic.ProductionModeEnabled=%PRODUCTION_MODE% -
Djava.security.policy="%WL_HOME%\server\lib\weblogic.policy"
weblogic.Server
```

❖ Restarting EAServer

You can restart EAServer at the command line or from Sybase Central, using Jaguar Manager.

Note To pick up the new environment variables, you must restart EAServer using one of the options described in this procedure. *Do not use* the Shutdown and Start command in Jaguar Manager.

- From the command line:

- a To shut down EAServer, enter:

```
%JAGUAR%\bin\jagtool -h <server's hostname> -n <servers port number>
-u <admin user> -p <admin password> shutdown
```

- b To start EAServer, enter:

```
cd %JAGUAR%\bin
serverstart.bat -jdk14
```

- From Sybase Central:

- a To shut down EAServer, in Jaguar Manager, right-click the server in the Servers folder.

- b Select Shutdown.

The server shuts down.

- c To start the server, select Start | Programs | Sybase | EAServer 5.2 | Jaguar Server (jdk1.4).

The server is started when the Jaguar CTS console appears and shows “Accepting connections” on the last line.

❖ Restarting WebLogic

- 1 Use your Web browser to log in to the WebLogic Server Console. For example:

```
http://localhost:7001/console
```

- 2 From the console, log in to your WebLogic server using the user name and password of the admin user.

- 3 Go to <your domain name>/Servers/<your server name>.

- 4 Right-click the server, and from the drop-down list, select Start/Stop This Server.

5 On the next Web page, choose one of the shutdown options:

- Graceful Shutdown of This Server
- Force Shutdown of This Server

Note See the WebLogic Administrator's Guide from BEA for detailed information about shutdown options.

6 Click OK to shut down the server.

7 Locate the server-starting batch file that you modified in the previous procedure to apply to your environment.

8 To start the server, do one of the following:

- Select Start | All Programs | BEA WebLogic Platform 8.1 | User Projects | mydomain | Start Server

Note You can start the WebLogic server from the Start menu only if you have added the shortcut to the Windows system registry when you created the server with the WebLogic Configuration wizard. See the WebLogic documentation for more information.

- Double-click the server-starting batch file.
- From the command line, enter:

```
cd <the domain directory>
startWebLogic
```

9 Verify the server's running status from the command line console by checking for the following message:

```
Server started in RUNNING mode
```

10 If the server is in RUNNING mode, connect to the server from your browser by entering:

```
http://<hostname>:<serverport>/console
```

For example, enter:

```
http://localhost:7001/console
```

See the WebLogic documentation at <http://commerce.bea.com/index.jsp> for more information.

Post-installation tasks for UNIX

RepConnector requires specific environment variable settings to run with your application server and target messaging systems. These environment variables are set in the *repra_env.sh* file, located as follows:

- For EAServer: *\$JAGUAR/repra/bin*
- For WebLogic: *\$BEA_HOME/repra/bin*

Most environment variables are already set correctly for your environment in *repra_env.sh*. However, you must verify that the environment variable for your messaging system is set properly. You must also verify that *repra_env.sh* is called by the batch file that starts your application server.

Note Whenever you modify *repra_env.sh*, you must restart your application server for the new values to take effect.

If you are using WebLogic, verify that the *BEA_HOME* environment variable is set to the path of your WebLogic installation.

Use the following procedures to set up and verify your RepConnector environment on UNIX.

❖ **Verifying that *user_setenv.sh* calls *repra_env.sh* for EAServer**

- 1 Go to the *EAServer/bin*.
- 2 Edit *user_setenv.sh* using any command line editor.
- 3 Verify that *user_setenv.sh* contains the following line:

```
if [ -f $JAGUAR/repra/bin/repra_env.sh ]
then
. $JAGUAR/repra/bin/repra_env.sh
fi
```

❖ **Modifying the server-starting batch file to call *repra_env.sh* for WebLogic**

See your BEA documentation for the details about the WebLogic installation.

- 1 Locate the script file that you use to start your server. Typically, the file is in your domain directory and called *startWebLogic.sh*.

For example, the file could be:

```
/opt/BEA/user_projects/domains/mydomain/startWebLogic.sh
```

- 2 Modify the file to call *repra_env.sh*, and apply *repra_env.sh* environment variable settings to the server environment.

- 1 Open the file with any text editor. For example:

```
vi /opt/BEA/user_projects/domains/mydomain/startWebLogic.sh
```

- 2 Add the new line that calls *repra_env.sh* just above the line that starts the server. For example:

- Before your edits:

```
$JAVA_HOME/bin/java $JAVA_VM $MEM_ARGS \  
$JAVA_OPTIONS -Dweblogic.Name=$SERVER_NAME \  
-Dweblogic.ProductionModeEnabled=$PRODUCTION_MODE \  
-Djava.security.policy="$WL_HOME/server/lib/weblogic.policy" \  
weblogic.Server
```

- After your edits (see the lines in bold):

```
if [ -f /opt/BEA/repra/bin/repra_env.sh ]  
then  
    ./opt/BEA/repra/bin/repra_env.sh  
fi
```

```
$JAVA_HOME/bin/java $JAVA_VM $MEM_ARGS \  
$JAVA_OPTIONS -Dweblogic.Name=$SERVER_NAME \  
-Dweblogic.ProductionModeEnabled=$PRODUCTION_MODE \  
-Djava.security.policy="$WL_HOME/server/lib/weblogic.policy" \  
weblogic.Server
```

❖ Restarting EAServer

- From the command line:

- a To shut down EAServer, enter:

```
$JAGUAR/bin/jagtool -h <server's hostname> -n <servers port number>  
-u <admin user> -p <admin password> shutdown
```

- b To start EAServer, enter:

```
cd $JAGUAR/bin  
serverstart.sh -jdk14
```

- From Sybase Central

- a To shut down EAServer, in Jaguar Manager, right-click the server in the Servers folder.

- b Select Shutdown.

The server shuts down.

- c To start the server, from the command line, enter:

```
cd $JAGUAR/bin
serverstart.sh -jdk14
```

The server is started when the Jaguar CTS console appears and shows “Accepting connections” on the last line.

❖ Restarting WebLogic

- 1 Use your Web browser to log in to the WebLogic Server console. For example:

```
http://localhost:7001/console
```

- 2 From the console, log in to your WebLogic server using the user name and password of the admin user.
- 3 Go to *<your domain name>/Servers/<your server name>*.
- 4 Right-click the server, and from the drop-down list, select Start/Stop This Server.
- 5 On the next Web page, choose one of the shutdown options:
- Graceful Shutdown of This Server
 - Force Shutdown of This Server

Note See the *WebLogic Administrator's Guide* from BEA for detailed information about shutdown options.

- 6 Click OK to shut down the server.
- 7 Locate the server-starting batch file that you modified in the previous procedure to apply to your environment.
- 8 To start the server, do one of the following:
- Double-click the server-starting batch file, or
 - From the command line, enter:

```
cd <the domain directory>
startWebLogic.sh
```

- 9 Verify the server's running status from the command line console by checking for the following message:

```
Server started in RUNNING mode
```

- 10 If the server is in RUNNING mode, connect to the server from your browser by entering:

```
http://<hostname>:<serverport>/console
```

For example:

```
http://localhost:7001/console
```

See the WebLogic documentation at <http://commerce.bea.com/index.jsp> for more information.

Upgrading from an existing RepConnector 2.0 installation

If you have a previously installed RepConnector version 2.0 on EAServer and you want to upgrade to RepConnector 2.5 on EAServer, InstallShield automatically detects the previous version and prompts you to upgrade to RepConnector 2.5.

InstallShield creates a backup file of the existing installation, and deletes the application component and files from the EAServer directory.

This chapter covers the following topics:

Topic	Page
Before upgrading	25
Upgrading the existing installation	26
Verifying the upgrade	26
Downgrading to RepConnector 2.0 from RepConnector 2.5	27

Before upgrading

Before you upgrade, make note of the following:

- InstallShield builds a backup file of the existing RepConnector installation called *Repra20Backup.jar*, located as follows:

For Windows:

```
%JAGUAR%\Repra20Backup.jar
```

For UNIX:

```
$JAGUAR/Repra20Backup.jar
```

- InstallShield converts all existing *ManagedConnectionFactory*s (*MCF*) configuration files to connection configuration properties files (*.props*) and places them in `%JAGUAR%\repra\conf` (on Windows) or `$JAGUAR/repra/conf` (on UNIX).

InstallShield uses the original MCF names to name the new RepConnector 2.5 connections *and* the configuration property files in the *conf* directory. For example, if you have a MCF named “abc” that was configured with RepConnector 2.0, after upgrading to RepConnector 2.5 you will see a connection named “abc” and a corresponding configuration properties file called *abc.props*.

Upgrading the existing installation

❖ Installing RepConnector 2.5 over an existing version

- 1 Start InstallShield by following the procedures in Chapter 2, “Installing RepConnector.”
- 2 On the server information page, click Next.
- 3 InstallShield prompts:

Do you want to upgrade to RepConnector 2.5?

Click Yes to upgrade RepConnector to version 2.5.
- 4 InstallShield backs up, then deletes the 2.0 installation from the EAServer directory structure.
- 5 Proceed to the next step of the installation following the procedures in Chapter 2, “Installing RepConnector.”

Verifying the upgrade

You can use RepConnector Manager to view the new connections and their properties. Verify that each connection has the correct connection properties from the previous MCF files. For every MCF file that you used with RepConnector 2.0, there should be a connection of the same name in RepConnector Manager.

See “Managing a RepConnector Connection” in the *Configuration and User's Guide* for detailed information about viewing and changing connection properties.

Downgrading to RepConnector 2.0 from RepConnector 2.5

If you want to return to RepConnector version 2.0 after installing RepConnector version 2.5, you can downgrade by following these steps.

Note If you downgrade to RepConnector 2.0, you must use JDK 1.3.

❖ Downgrading to RepConnector 2.0

- 1 Start InstallShield for the RepConnector 2.5 installation.

See Chapter 5, “Uninstalling RepConnector 15.0,” for detailed instruction for uninstalling the product.

- 2 Shut down EAServer.

- 3 Extract the files from the backup *jar* file in the EAServer directory that InstallShield created when you upgraded your system.

- For Windows:

```
cd %JAGUAR%
%JAVA_HOME%\bin\jar -xf Repra20Backup.jar
```

- For UNIX:

```
cd $JAGUAR
$JAVA_HOME/bin/jar -xf Repra20Backup.jar
```

- 4 Restart EAServer.

Note To pick up the new environment variables, you must restart EAServer using one of the options described in this procedure. Do not use the Shutdown and Start command in Jaguar Manager.

- From the command line:

- a To shut down EAServer, enter:

```
%JAGUAR%\bin\jagtool -h <server's hostname> -n <server's port number>
-u <admin user> -p <admin password> shutdown
```

- b To start EAServer, enter:

```
cd %JAGUAR%\bin
serverstart.bat -jdk13
```

- From Sybase Central:

- a To shut down EAServer, in Jaguar Manager, right-click the server in the Servers folder.
- b Select Shutdown.
The server shuts down.
- c To start the server, select Start | Programs | Sybase | EAServer 4.2.2 | Jaguar Manager.

Uninstalling RepConnector 15.0

You can uninstall both the RepConnector runtime component and RepConnector Manager. To uninstall the runtime component, you must run InstallShield from a batch or script file specifically designed to uninstall components installed by InstallShield. To uninstall RepConnector Manager, you must run a separate batch or script file.

This chapter covers the following topics:

Topic	Page
Uninstalling the RepConnector runtime component	29
Uninstalling RepConnector Manager	33

Uninstalling the RepConnector runtime component

You can uninstall the RepConnector runtime component by running a batch file on Windows (*\repra_uninst\uninst.bat*) or a script file on UNIX (*/repra/_uninst/uninst.sh*), that enables you to uninstall RepConnector 15.0 using the uninstall feature of InstallShield. This file starts the uninstall procedure and removes both the RepConnector from the application server and the RepConnector directory structure from the *repra* directory.

Before uninstalling the RepConnector runtime component

Before you uninstall the runtime component:

- You must have the RepConnector target application server (either EAServer or WebLogic) running, because the uninstall procedure deletes the runtime component of RepConnector from the application server configuration, and deletes the directories and files from the installation location.

- If you made any changes to *.bat* or *.sh* files, Sybase recommends that you back up these files before you begin to uninstall the RepConnector runtime component.

Accessing the uninstall feature

This section describes how to start InstallShield so that you have access to the uninstall feature.

Note If you want to keep any batch or script files, back up these files before continuing.

If running EAServer

To uninstall if you are running EAServer, enter:

- On Windows from the command line:

```
cd %JAGUAR%\repra\_uninst
uninst.bat
```

- On Windows from the GUI:

Double-click *uninst.bat*.

- On UNIX from the command line:

```
cd $JAGUAR/repra/_uninst
uninst.sh
```

If running WebLogic

To uninstall if you are running WebLogic, from the command line, enter:

- On Windows:

```
cd %BEA_HOME%\repra\_uninst
uninst.bat
```

- On UNIX:

```
cd $BEA_HOME/repra/_uninst
uninst.sh
```

InstallShield starts.

Using the uninstall feature to uninstall the RepConnector runtime component

❖ Removing and uninstalling the RepConnector runtime component

Follow this procedure after you start the uninstall feature of InstallShield.

- 1 On the InstallShield Welcome window, click Next.
- 2 On the server information panel, provide the server connection information.

For EAServer:

- Host name
- Port number
- EAServer admin user name
- Password

For WebLogic:

- WebLogic domain name
- Server name
- Host name
- Port number
- WebLogic server admin user name
- Password

InstallShield removes the RepConnector runtime component from the application server configuration.

Note InstallShield proceeds only if the connection to the application server is established. Otherwise, it will display the same server information page. If you need assistance identifying the correct server information, see your server administrator.

- 3 In the uninstallation preview window, click Next to accept the directory path to the RepConnector installation that will be removed.

If you made any changes to *.bat* or *.sh* files, InstallShield prompts, for example:

```
C:\My_Installation\EASERVER\repra\bin\setlogin.bat  
exists on this system and has been modified since  
installation. Do you want to remove this file?
```

Click Yes to All.

Note If you did not back up these files before you began to uninstall RepConnector, you might want to click Cancel, back up the files, then return to the uninstaller.

InstallShield uninstalls the directories and files for RepConnector 15.0.

- 4 On the summary page, click Finish.
- 5 Shut down and restart your application server to apply the changed configuration:

Note To pick up the new environment variables, you must restart EAServer using one of the options described in this procedure. Do not use the Shutdown and Start command in Jaguar Manager.

- From the command line:

- a To shut down EAServer, enter:

```
%JAGUAR%\bin\jagtool -h <server's hostname> -n <servers port number>  
-u <admin user> -p <admin password> shutdown
```

- b To start EAServer, where *jdkxx* is the version of the Java Developer's Kit (JDK) that you require for your environment, enter:

```
cd %JAGUAR%\bin  
serverstart.bat -jdkxx
```

- From Sybase Central:

- a To shut down EAServer, in Jaguar Manager, right-click the server in the Servers folder.

- b Select Shutdown.

The server shuts down.

- c To start the server, select Start | Programs | Sybase | EAServer 5.2 | Jaguar Manager.

Note After you successfully uninstall the RepConnector runtime component, the *repra* directory and some residual files (like *BAK*) will remain. You can manually delete the entire *repra* directory and any remaining directories and files that you do not need.

Uninstalling RepConnector Manager

To uninstall RepConnector Manager, you must run a batch or script file provided in the Eclipse installation directory called *deleteRCManager.bat* on Windows and *deleteRCManager.sh* on UNIX.

❖ Running the deleteRCManager batch or script file

- 1 Go to your Eclipse installation directory:

- On Windows, where *My_Installation\My_App_Server* is the path to your application server installation:

```
cd \My_Installation\My_App_Server\repra\eclipse
```

- On UNIX, where *My_Installation/My_App_Server* is the path to your application server installation:

```
cd My_Installation/My_App_Server/repra/eclipse
```

- 2 Run the batch or script file:

- On Windows, from the command line:

```
deleteRCManager
```

- On Windows, from the GUI:

Double-click *deleteRCManager.bat*.

- On UNIX:

`deleteRCManager.sh`

Note Two considerations:

- Uninstalling RepConnector Manager does not remove the Eclipse installation: It removes RepConnector from the Eclipse framework. To remove the Eclipse installation, you must delete the *eclipse* directory manually.
 - If you installed Eclipse when you installed RepConnector Manager, Eclipse resides in the *repra* directory. Therefore, if you delete the *repra* directory, Eclipse is also deleted. See the Eclipse documentation at <http://eclipse.org>.
-

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