

# BEAWebLogic Adapter for RDBMS

Installation and Configuration Guide

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# About This Document

This document explains how to install and configure the BEA WebLogic Adapter for RDBMS. This document is organized as follows:

• Chapter 1, "Installing the BEA WebLogic Adapter for RDBMS," explains how to install the adapter.

## Who Should Read This Documentation

This document is intended for the following members of an integration team:

- Integration Specialists—Lead the integration design effort. Integration specialists have expertise in defining the business and technical requirements of integration projects, and in designing integration solutions that implement specific features of WebLogic Integration. The skills of integration specialists include business and technical analysis, architecture design, project management, and WebLogic Integration product knowledge.
- Technical Analysts—Provide expertise in an organization's information technology infrastructure, including telecommunications, operating systems, applications, data repositories, future technologies, and IT organizations. The skills of technical analysts include technical analysis, application design, and information systems knowledge.
- Enterprise Information System (EIS) Specialists—Provide domain expertise in the systems that are being integrated using WebLogic adapters. The skills of EIS specialists include technical analysis and application integration design.
- System Administrators—Provide in-depth technical and operational knowledge about databases and applications deployed in an organization. The skills of system administrators

include capacity and load analysis, performance analysis and tuning, deployment topologies, and support planning.

## What You Need to Know

This document assumes that you have an understanding of:

- Web technologies
- WebLogic Integration 8.1
- Your RDBMS software, system, and environment. This includes understanding of RDBMS tools and configuration as well as processes and data models.
- Your specific RDBMS business needs and applications.

## Product Documentation on the dev2dev Web Site

BEA product documentation, along with other information about BEA software, is available from the BEA dev2dev Web site:

#### http://dev2dev.bea.com

To view the documentation for a particular product, select that product from the list on the dev2dev page; the home page for the specified product is displayed. From the menu on the left side of the screen, select Documentation for the appropriate release. The home page for the complete documentation set for the product and release you have selected is displayed.

## **Related Information**

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Readers of this document may find the following documentation and resources especially useful:

• BEA WebLogic Adapter for RDBMS Release Notes

http://edocs.bea.com/wladapters/rdbms/docs812/pdf/relnotes.pdf

• BEA WebLogic Adapter for RDBMS User Guide

http://edocs.bea.com/wladapters/rdbms/docs812/pdf/user.pdf

Introducing Application Integration

http://edocs.bea.com/wli/aiover/index.html

• BEA WebLogic Adapters 8.1 Dev2Dev Product Documentation

http://dev2dev.bea.com/products/wladapters/index.jsp

- Using the Application Integration Design Console http://edocs.bea.com/wli/docs81/aiuser/index.html
- BEA WebLogic Integration documentation http://edocs.bea.com/wli/docs81/index.html
- Deploying WebLogic Integration Solutions http://edocs/wli/docs81/deploy/index.html
- BEA WebLogic Platform documentation http://edocs.bea.com/platform/docs81/index.html
- Your RDBMS documentation

## **Contact Us!**

Your feedback on the BEA WebLogic Adapter for RDBMS documentation is important to us. Send us e-mail at docsupport@bea.com if you have questions or comments. Your comments will be reviewed directly by the BEA professionals who create and update the BEA WebLogic Adapter for RDBMS documentation.

In your e-mail message, please indicate that you are using the documentation for BEA WebLogic Adapter for RDBMS and the version of the documentation.

If you have any questions about this version of BEA WebLogic Adapter for RDBMS, or if you have problems using the BEA WebLogic Adapter for RDBMS, contact BEA Customer Support through BEA WebSUPPORT at www.bea.com. You can also contact Customer Support by using the contact information provided on the Customer Support Card which is included in the product package.

When contacting Customer Support, be prepared to provide the following information:

- Your name, e-mail address, phone number, and fax number
- Your company name and company address
- Your machine type and authorization codes
- The name and version of the product you are using
- A description of the problem and the content of pertinent error messages



# Installing the BEA WebLogic Adapter for RDBMS

This section explains how to install the BEA WebLogic Adapter for RDBMS with WebLogic Integration on both Windows and UNIX systems.

This section is organized as follows:

- Preparing to Install the Adapter
- Installing the Adapter
- Next Steps

## Preparing to Install the Adapter

Before you install the BEA WebLogic Adapter for RDBMS, be sure to complete the following tasks:

- Review the Release Notes
- Understand the Representation of Paths

## **Review the Release Notes**

The *BEA WebLogic Adapter for RDBMS Release Notes* contain important information about supported platforms and versions of RDBMS systems, and information regarding the software you must install prior to installing the BEA WebLogic Adapter for RDBMS. Also, be sure to check the release notes for information about any required patches for your system. The *BEA WebLogic Adapter for RDBMS Release Notes* are available at the following URL:

http://edocs.bea.com/wladapters/rdbms/docs812/pdf/relnotes.pdf

## Understand the Representation of Paths

When you install WebLogic Integration, you specify the locations for files. Some of these files are required by the adapter. This document uses the following conventions to represent the locations of these files.

- *BEA\_HOME* represents the BEA Home directory of your WebLogic installation. For example:
  - If you install the product in the default location on a Windows system, *BEA\_HOME* represents c:\bea.
  - If you install the product in the default location on a UNIX system, *BEA\_HOME* represents /usr/local/bea.
- WL\_HOME represents the root directory of your WebLogic installation. For example:
  - If you install the product in the default location on a Windows system, *WL\_HOME* represents c:\bea\weblogic81\.
  - If you install the product in the default location on a UNIX system, *WL\_HOME* represents /usr/local/bea/weblogic81/.
- *WLI\_HOME* represents the root directory of your WebLogic Integration installation. For example:
  - If you install WebLogic Integration in the default location on a Windows system, *WLI\_HOME* represents c:\bea\weblogic81\integration.
  - If you install WebLogic Integration in the default location on a UNIX system, *WLI\_HOME* represents /usr/local/bea/weblogic81/integration.
- domain represents the name of a domain.

You use the Configuration Wizard to create custom user domains. When you set up the domain configuration with the Configuration Wizard, you must specify a domain name, *domain*. You must also indicate where the directory associated with this domain is created. This directory contains files required for that domain. To learn more about the Configuration Wizard, see *Creating WebLogic Configurations Using the Configuration Wizard*, which is available at the following URL:

http://edocs.bea.com/platform/docs81/confgwiz/index.html

• *DOMAIN\_HOME* represents the complete path to the root of a domain.

For example, if you use the Configuration Wizard to create a domain in the default location on a Windows system, *DOMAIN\_HOME* represents the following path:

c:\bea\user\_projects\domains\domain

If you use the Configuration Wizard to create a domain in the default location on a UNIX system, *DOMAIN\_HOME* represents the following path:

/usr/local/bea/user\_projects/domains/domain

**Note:** *BEA\_HOME*, *DOMAIN\_HOME*, and *WLI\_HOME* (italicized) also represent the corresponding Windows and UNIX environment variables. For example, the literal interpretation of *WLI\_HOME* is %WLI\_HOME% for Windows and \$WLI\_HOME for UNIX.

## **Installing the Adapter**

This section explains how to install the BEA WebLogic Adapter for RDBMS with WebLogic Integration. It includes the following steps:

- Step 1. Obtain the BEA WebLogic Adapter for RDBMS
- Step 2. Configure the Domain
- Step 3. Extract the Adapter Files and Prepare the Adapter
- Step 4. Configure a JDBC Driver for Database Connection
- Step 5. Update the BEA License
- Step 6. Deploy the Adapter
- Step 7. Create an Adapter Administrative User

## Step 1. Obtain the BEA WebLogic Adapter for RDBMS

The EAR file containing the BEA WebLogic Adapter for RDBMS software, BEA\_RDBMS\_8\_1.ear, is packaged along with other required files as BEA\_RDBMS\_8\_1.zip. To obtain the zip file, do one of the following:

• Download the file from the following URL:

http://commerce.bea.com/products/weblogicadapters/wl\_adapter\_home.jsp

• Obtain the software on CD.

# Step 2. Configure the Domain

You must deploy the BEA WebLogic Adapter for RDBMS in a domain that supports application integration functionality. You can create one of your own, or use the sample integration domain. The sample integration domain is:

- On Windows: WL\_HOME\samples\domains\integration
- On UNIX: WL\_HOME/samples/domains/integration

If you have not already done so, use the Configuration Wizard to create the domain using the Integration domain template.

To learn more about the Configuration Wizard, see *Creating WebLogic Configurations Using the Configuration Wizard* at the following URL:

http://edocs.bea.com/platform/docs81/confgwiz/index.html

## Step 3. Extract the Adapter Files and Prepare the Adapter

This section explains how to extract the BEA WebLogic Adapter for RDBMS files, set up and run the EventPollingMetadata table, configure database connection properties, and create event tables for the database you select.

The adapter file, BEA\_RDBMS\_8\_1.ear, is packaged along with other files as BEA\_RDBMS\_8\_1.zip. Use the procedure appropriate for your system to extract the files:

- Extracting the Adapter Files and Preparing the Adapter for Windows
- Extracting the Adapter Files and Preparing the Adapter for UNIX

### Extracting the Adapter Files and Preparing the Adapter for Windows

To extract the adapter files and prepare the adapter for Windows:

1. Use WinZip (or another similar extracting product) to extract the BEA\_RDBMS\_8\_1.zip file to a directory of your choice (for example, *BEA\_HOME*\adapters\rdbms). The extracted folder structure would be:

```
\dbscripts
create_db_common.cmd
dbprops.properties
EventPollingMetadatasetupdb.cmd
\dbscripts\db2
CreateDB2EventTables.sql
\dbscripts\informix
CreateInformixEventTables.sql
\dbscripts\mssql
create_mssql.cmd
CreateMssqlEventCluster.sql
CreateMssqlEventTables.sql
\dbscripts\oracle
create_oracle.cmd
```

CreateOracleEventCluster.sgl

```
CreateOracleEventPollingMetadata.sql
CreateOracleEventPollingMetadata9i.sql
CreateOracleEventTables.sql
```

\dbscripts\pointbase

```
create_pointbase.cmd
CreatePointbaseEventCluster.sql
CreatePointbaseEventPollingMetadata.sql
CreatePointbaseEventTables.sql
```

\dbscripts\sybase

create\_sybase.cmd CreateSybaseEventCluster.sql CreateSybaseEventPollingMetadata.sql CreateSybaseEventTables.sql

\lib

BEA\_RDBMS\_8\_1.ear

- 2. Open the EventPollingMetadatasetupdb.cmd file with an ASCII editor.
- 3. Find the following command in the file.

if /I "%WLI\_HOME%" == "" call WL\_HOME\common\bin\commEnv.cmd

4. Modify the path to commEnv. cmd to show its location on your system. For example:

if /I "%WLI\_HOME%" == "" call D:\bea8\weblogic81\common\bin\commEnv.cmd

- 5. Open the dbprops.properties file with an ASCII editor.
- 6. Find the section that sets the database connection properties. These properties should point to the WLI domain repository. The default database is Pointbase. To use another database:
  - a. Comment the Pointbase database connection property settings. The comments should be preceded by the # symbol.
  - b. Remove comments preceded by # from the appropriate database's connection property settings.
  - c. Replace the settings with the appropriate parameters for database user, password, and server.
  - Note: Oracle users must also specify the version of the Oracle database software by setting dbversion to 8.1.7 or 9i.

7. Run EventPollingMetadatasetupdb.cmd, giving the database type as the argument.

For example: EventPollingMetadatasetupdb.cmd oracle

This command creates the EVENT\_POLLING\_METADATA and EVENT\_CLUSTER\_SUPPORT tables in your WebLogic Integration Repository. For more information about these tables, see "Setting Event Properties" in "Defining Application Views for RDBMS" in *BEA WebLogic Integration Adapter for RDBMS Installation and Configuration Guide*, available through the following URL:

http://edocs.bea.com/wli/docs81/aiuser/index.html

8. Run the CreateRDBMSEventTables.sql file on the RDBMS you have selected, based on the following table.

For the <i>RDBMS</i>	Run the file			
Oracle	CreateOracleEventTables.sql			
SQL Server 2000	CreateMssqlEventTables.sql			
DB2 UDB	CreateDB2EventTables.sql			
Informix Dynamic Server Version	CreateInformixEventTables.sql			
Sybase Adaptive Server	CreateSybaseEventTables.sql			

This command creates the event table for your target EIS database.

### **Extracting the Adapter Files and Preparing the Adapter for UNIX**

To extract the adapter files and prepare the adapter for UNIX:

Use jar (or another similar extracting product) to extract the BEA\_RDBMS\_8\_1.zip file to a
directory of your choice (for example, BEA\_HOME/adapters/rdbms). The extracted folder
structure would be:

```
/dbscripts
create_db_common.sh
dbprops.properties
EventPollingMetadatasetupdb.sh
```

/dbscripts/db2

CreateDB2EventTables.sql

/dbscripts/informix

CreateInformixEventTables.sql

/dbscripts/mssql

CreateMssqlEventCluster.sql CreateMssqlEventPollingMetadata.sql CreateMssqlEventTables.sql

/dbscripts/oracle

```
create_oracle.sh
CreateOracleEventCluster.sql
CreateOracleEventPollingMetadata.sql
CreateOracleEventPollingMetadata9i.sql
CreateOracleEventTables.sql
```

/dbscripts/pointbase

```
create_pointbase.sh
CreatePointbaseEventCluster.sql
CreatePointbaseEventPollingMetadata.sql
CreatePointbaseEventTables.sql
```

/dbscripts/sybase

```
create_sybase.sh
CreateSybaseEventCluster.sql
CreateSybaseEventPollingMetadata.sql
CreateSybaseEventTables.sql
```

/lib BEA\_RDBMS\_8\_1.ear

2. In the EventPollingMetadatasetupdb.sh file, find the following command:

if ["\$WLI\_HOME"=""]; then .\$WL\_HOME/common/bin/commEnv.sh

3. Modify the path to commEnv.sh to show its location on your system. For example:

```
if ["$WLI_HOME"=""]; then
./opt/bea_Jul7/weblogic81/common/bin/commEnv.sh
```

4. In the dbprops.properties file, find the section that sets the database connection properties. These properties should point to the WLI domain repository. The default database is Pointbase. To use another database:

- a. Comment the Pointbase database connection property settings out. The comments should be preceded by the # symbol.
- b. Remove comments preceded by # from the appropriate database's connection property settings.
- c. Replace the settings with the appropriate parameters for database user, password, and server.
- **Note:** Oracle users must also specify the version of the Oracle database software by setting dbversion to 8.1.7 or 9i.
- 5. Run EventPollingMetadatasetupdb.sh, giving the database type as the argument.

For example: /EventPollingMetadatasetupdb.sh oracle

This command creates the EVENT\_POLLING\_METADATA and EVENT\_CLUSTER\_SUPPORT tables in your WebLogic Integration Repository. For more information about these tables, see "Setting Event Properties" in "Defining Application Views for RDBMS" in *BEA WebLogic Integration Adapter for RDBMS Installation and Configuration Guide*, available through the following URL:

http://edocs.bea.com/wli/docs81/aiuser/index.html

6. Run the CreateRDBMSEventTables.sql file on the RDBMS you have selected, based on the following table.

For the <i>RDBMS</i>	Run the file				
Oracle	CreateOracleEventTables.sql				
SQL Server 2000	CreateMssqlEventTables.sql				
DB2 UDB	CreateDB2EventTables.sql				
Informix Dynamic Server Version	CreateInformixEventTables.sql				
Sybase Adaptive Server	CreateSybaseEventTables.sql				

This command creates the event table for your target EIS database.

## Step 4. Configure a JDBC Driver for Database Connection

To configure a database connection, you need a JDBC 2.1-compliant driver for the RDBMS you are using. Get the appropriate driver and perform the following steps using the procedure appropriate for your system.

**Note:** For details of the drivers that the Adapter for RDBMS supports, see the *BEA WebLogic Adapter for RDBMS Release Notes* are available at the following URL:

http://edocs.bea.com/wladapters/rdbms/docs811/pdf/relnotes.pdf

## **Configuring a JDBC Driver for Windows**

To configure a JDBC driver for Windows:

1. Place the JAR files that constitute the driver in a folder of your choice.

For example: For MS SQL database driver configuration, copy the driver files to  $C: \setminus$  as follows:

```
C:\jdbcDriver\msutil.jar
C:\jdbcDriver\msbase.jar
C:\jdbcDriver\mssqlserver.jar
```

2. Go to the root directory for your domain:

cd DOMAIN\_HOME

- 3. Open the setDomainEnv.cmd file with an ASCII editor.
- 4. Find the following command in the setDomainEnv.cmd file:

```
set CLASSPATH=%PRE_CLASSPATH%;%WEBLOGIC_CLASSPATH%;%CLASSPATH%;
%POST_CLASSPATH%;%WLP_POST_CLASSPATH%
```

5. Immediately *before* this command line, insert the command lines to include the driver files in the WebLogic Server CLASSPATH.

For example, for MS SQL Server, insert the following command lines:

```
set WEBLOGIC_CLASSPATH=%WEBLOGIC_CLASSPATH%;C:\jdbcDriver\msutil.jar;
C:\jdbcDriver\msbase.jar;C:\jdbcDriver\mssqlserver.jar
```

- 6. Save your changes and close the setDomainEnv.cmd file.
- 7. Start WebLogic Server by running startWebLogic.cmd from your domain folder.

### **Configuring a JDBC Driver for UNIX**

To configure a JDBC driver for UNIX:

1. Place the JAR files that constitute the driver in a folder of your choice.

For example: For MS SQL database driver configuration, copy the driver files as follows:

```
/jdbcDriver/msutil.jar
/jdbcDriver/msbase.jar
/jdbcDriver/mssqlserver.jar
```

2. Go to the root directory for your domain:

cd DOMAIN\_HOME

- 3. Find the setDomainEnv.sh file.
- 4. Find the following command in the setDomainEnv.sh file:

```
CLASSPATH="${PRE_CLASSPATH}:${WEBLOGIC_CLASSPATH}:${CLASSPATH}:
${POST_CLASSPATH}:${WLP_POST_CLASSPATH}"
```

5. Immediately *before* this command line, insert the command lines to include the driver files in the WebLogic Server CLASSPATH.

For example, for MS SQL Server, insert the following command lines:

```
WEBLOGIC_CLASSPATH="${WEBLOGIC_CLASSPATH}:/jdbcDriver/msutil.jar:
/jdbcDriver/msbase.jar:/jdbcDriver/mssqlserver.jar"
```

6. Add the tools.jar to your CLASSPATH, as follows:

CLASSPATH="\${CLASSPATH}:\${ARDIR}/ant/ant.jar: \${JAVA\_HOME}/lib/tools.jar"

7. Start WebLogic Server by running startWebLogic.sh from your domain folder.

## Step 5. Update the BEA License

In order to use the BEA WebLogic Adapter for RDBMS you must have a valid software license. If you have downloaded the adapter for evaluation, see the instructions on the adapter download page to obtain an evaluation license. If you have purchased a license for the adapter, you should receive the license file as an e-mail attachment. Once you have the license file for the adapter, you must update your license.bea file to include the new information for the adapter.

To update your license.bea file:

1. Save the adapter license file in the *BEA\_HOME* directory. To avoid overwriting your license.bea file, use a name other than license.bea. For example, save the file as *license\_update\_file*.

Warning: Do not overwrite or change the name of the existing license.bea file.

- 2. Go to the **BEA\_HOME** directory:
  - On a Windows system, open an MS-DOS session and go to the BEA\_HOME directory.
  - On a UNIX system, go to the BEA\_HOME directory.
- 3. Add the JDK to your PATH variable. If it is already included, skip to step 4.
  - On a Windows system:
    - set PATH=BEA\_HOME\jdk141\_03\bin;%PATH%
  - On a UNIX system:

```
PATH=BEA_HOME/jdk141_03/bin:$PATH export PATH
```

- 4. Merge the adapter license file into your existing license:
  - On a Windows system:

```
UpdateLicense license_update_file
```

- On a UNIX system:
  - sh UpdateLicense.sh license\_update\_file

Here, *license\_update\_file* is the name of the adapter license file you saved in step 1.

5. Save a backup copy of your updated license.bea file. This backup location should be a safe place that is neither the WebLogic Integration nor the application installation directories.

## Step 6. Deploy the Adapter

After you have installed the adapter, you must deploy it to your domain.

To deploy the adapter:

- 1. Start WebLogic Server in your domain.
- 2. Start the WebLogic Server Administration Console in a browser using the following URL:

http://host:port/console/

Where,

- host represents the machine on which WebLogic Server is running
- port represents the listening port

For example, http://localhost:7001/console/

3. Enter the user name and password for the server.

The WebLogic Server Administration Console appears.



- 4. In the left pane, expand the Deployments node.
- 5. Under the Deployments node, right-click Applications, and then select Deploy a New Application.

The Administration Console displays the Deployment Assistant in the right panel.

Select the archive for this application						
Select the file path that represents your archive or exploded archive directory.						
Note: Only valid file paths are shown below. If you do not find what you are looking for, you should <u>upload your file(s)</u> and/or confirm your application contains valid descriptors.						
Location: <u>localhost</u> \ <u>C</u> : \ <u>bea</u> \ <u>WEBLOG~1</u> \ <u>samples</u> \ INTEGR~1	your files					

#### 6. Click the upload your files(s) link.

#### The Administration Console displays the Install or Update an Application page.

#### Upload and Install an Application or Module

Click the Browse... button below to locate an application or module file on the machine from which you are currently browsing. When you have located the file, click the Upload button to upload and install the application or module on this Administration Server. The following types of files may be uploaded and installed:

- A .jar containing EJBs (Enterprise JavaBeans)
- A .war (Web Application Archive) containing JSPs and Servlets
- A .rar (Resource Adapter Archive) containing a Connector module
- · An .ear (J2EE Enterprise Application Archive) containing any of the above

Note: If you browse for the file, you may have to adjust the file-type filter to 'All' in order to find .jar, .war, .rar and .ear files.

	-	—— Click to browse to the
Browse	Upload Cancel	ear file's location

7. Click Browse, navigate to the directory in which the BEA\_RDBMS\_8\_1.ear file resides, and then click Upload.

The Administration Console prompts you to confirm the uploaded application.

Select the file path that represents your archive or exploded archive directory.								
Note: Only valid file paths are shown below. If you do not find what you are looking for, you should <u>upload your file(s)</u> and/or confirm your application contains valid descriptors.								
Location: localhost \ <u>D:</u> \ bea \ WEBLOG~2 \ samples \ domains \ INTEGR~1 \ cgSe	<u>rver</u> \ upload							
ි 👼 BEA_RDBMS_8_1.ear								
Click to confirm the upload								
	Continue							

8. Click the radio button next to the application file and then click Continue.

The Administration Console uploads the file and displays the Deploy an Application page (specifying the default target server).

Deploy an Application					
Review your choices and deploy					
Deployment Targets					
Your application will be deployed to the following locations:					
BEA_RDBMS_8_1 will be deployed to					
Servers - cgServer					
Source Accessibility					
Since this is a single server environment, no further stage configuration is required. The server will access this application's files from the location specified.					
Identity					
Enter a name to be used to identify this application.           Name:         BEA_RDBMS_8_1           The name of this application deployment.					
Deploy					

9. Click Deploy.

The Administration Console deploys the application and displays its deployment status.

Configuration Targets Deploy Notes											
This p choos page.	This page allows you to view the deployment status of each module in the application. You may also choose to stop and redeploy all modules within the application using the buttons at the bottom of the page. (To configure additional deployment targets for this application, click the Targets tab.)										
Depl	Deployment Status for Web Application Modules										
	Module Module Target Target Status of Type Last Action										
	BEA_RDBMS_8_1_Web Inactive cgServer Server In Progress								]		
Depl	Deployment Status for Connector Modules ————————————————————————————————————										
	Modu	P :	vlodule Status	Tai	rget	Tar Ty	get pe	Status Last Ac	s of ction	success, you can go to the next step	
	RDBMS_XA_Tra	insaction.r	<u>rar</u> li	nactive	<u>cgS</u>	erver	Ser	ver	In Progr	ess -	1
	RDBMS_No_Tra	nsaction.r	<u>ar</u> li	nactive	<u>cgS</u>	erver	Ser	ver	In Progr	<u>ess</u>	
	RDBMS_Local_Transaction.rar				<u>cgS</u>	erver	Ser	ver	In Progr	<u>ess</u>	
	Deploy Applicatio	n									

## Step 7. Create an Adapter Administrative User

If you want to manage security for the BEA WebLogic Adapter for RDBMS, you can create an administrative user (such as rdbmsAdapterAdmin) who is authorized to log in to the Application View Console, create application views, configure services and events, deploy, and test. This adapter administrator also needs to be added to the Administrators group.

To create a new adapter administrative user:

1. In the left pane of the WebLogic Server Administration Console, click Security  $\rightarrow$  Realms  $\rightarrow$  MyRealm. Right-click the Users node, and then choose Open.

The Users page appears.

Deployments     Deployments     Deployments     Deployments     Deployments     Deployment     Deployment     Deployment     Services     Services     Services     Services     Realms     Deployment	Users are entities that can be authenticated. A user can be a person or soft a security reaches the Ref recommends assigning users to groups for two reaso efficient for administrators who work with large numbers of users. This Users page displays key information about each user that has been cor <pre>Configure a new User</pre>				tware entity, such as a Java client. Each user is given a unique identity within ons: it makes the WebLogic Security Service perform better, and makes it more unfigured in this security reatm. •Click to configure a new user		
Users	User	Description	Provider				
🚞 Groups	weblogic	weblogic	DefaultAuthenticator	Û			
□ Global Roles	installadministrator	installadministrator	DefaultAuthenticator	Û			
Demonstra Leen Dilleene							

2. Click the Configure a New User link.

The Create User page appears.

General	Groups Details						
This pag	This page allows you to define a user in this security realm.						
	Name:	new_user					
	The login name	or this user.					
	Description:						
	A short descript	ion of this user. For example, the user's full name.					
	Password:						
	Confirm Password:						
	The password a	ssociated with the login name for this user.					
		Apply					

3. Enter the user name, description and password, and then click Apply.

The User page appears.

#### ☑ Configure a new User...

General	Groups Details		
This pag	e allows you to define	e a user in this security realm.	
	Name:	MyAdapterAdmin	
	The login name Description: A short descrip Password:	for this user. MyAdapter Administrator tion of this user. For example, the user's full name. Change	Enter a description for this user Click to change the password

4. Click the Groups tab.

The Groups page appears.

☑ Configure a new User...

General Gr	oups Details					
This page allows you to select the groups to which this user belongs.						
		Possible Groups Administrators Deployers IntegrationAdministrators		Current Groups	Select	a group user
Gro	up Membership:	IntegrationDeployers IntegrationMonitors IntegrationOperators IntegrationUsers Monitors Operators TaskCreationGroup	•			
					Apply	

- 5. In the Possible Groups list, select Administrators and then click the right arrow to add the Administrators group to the list of current groups.
- 6. Click Apply.
- 7. In the left pane, right-click the Users node, select Open, and confirm that the user you created appears in the list of users.

## **Next Steps**

After you have successfully installed and deployed the BEA WebLogic Adapter for RDBMS, you can begin integrating with your RDBMS system using the adapter and BEA WebLogic Integration. To learn more about integrating with RDBMS, see the *BEA WebLogic Adapter for RDBMS User Guide* at the following URL:

http://edocs.bea.com/wladapters/rdbms/docs812/index.html

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