BEAWebLogic
Adapter for
RDBMS

**Installation and
Configuration Guide**

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1. Installing the BEA WebLogic Adapter for RDBMS

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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

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
   CreateMssqlEventPollingMetadata.sql
   CreateMssqlEventTables.sql
   ```

   `\dbscripts\oracle`

   ```
   create_oracle.cmd
   CreateOracleEventCluster.sql
   ```

```
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 *RDBMS*...	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:

1. 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 *RDBMS*...	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:\` 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.

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.

   [_____] Browse...   Upload   Cancel

   Click to browse to the
   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 upload your file(s) and/or confirm your application contains valid descriptors.

   Location: localhost \ D: \ bea \ WEBLOG~2 \ samples \ domains \ INTEGR~1 \ cgServer \ upload

   ○   📄 BEA_RDBMS_8_1.ear

   Click to confirm the upload
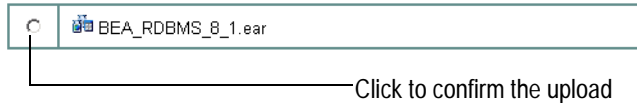
   Continue

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 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.)

Deployment Status for Web Application Modules

Module	Module Status	Target	Target Type	Status of Last Action
BEA_RDBMS_8_1_Web	Inactive	cgServer	Server	In Progress

Deployment Status for Connector Modules

Module	Module Status	Target	Target Type	Status of Last Action
RDBMS_XA_Transaction.rar	Inactive	cgServer	Server	In Progress
RDBMS_No_Transaction.rar	Inactive	cgServer	Server	In Progress
RDBMS_Local_Transaction.rar	Inactive	cgServer	Server	In Progress

Deploy Application

When this status is success, you can go to the next step

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 theWebLogic Server Administration Console, click Security → Realms → MyRealm. Right-click the Users node, and then choose Open.

    The Users page appears.

2. Click the Configure a New User link.

    The Create User page appears.

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

    The User page appears.

4. Click the Groups tab.

   The Groups page appears.

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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