



BEA WebLogic Adapter for ClarifyCRM®

Installation and Configuration Guide

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About This Document

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

- [Chapter 1, “Installing the BEA WebLogic Adapter for ClarifyCRM with the CBO Interface,”](#) explains how to install the adapter for use with the CBO interface of ClarifyCRM.
 - [Preparing to Install the Adapter](#)
 - [Installing the Adapter](#)
 - [Next Steps](#)
- [Chapter 2, “Installing the BEA WebLogic Adapter for ClarifyCRM with the ClearBasic Interface,”](#) explains how to install the adapter for use with the ClearBasic interface of ClarifyCRM.
 - [Preparing to Install the Adapter](#)
 - [Installing the Adapter](#)
 - [Next Steps](#)

About the Adapter Distribution

The BEA WebLogic Adapter for ClarifyCRM is distributed in a single zip file. This zip file contains two ear files. Which one you use depends on which ClarifyCRM interface you use. You can use the adapter with either interface, or both.

The distribution zip file contains:

- `BEA_CLARIFY_8_1.ear` is the ear file for the CBO interface of ClarifyCRM.
- `BEA_CLARIFYCB_8_1.ear` is the ear file for the ClearBasic interface for ClarifyCRM.

To learn more about installing and configuring the adapter to use the CBO interface, see [Chapter 1, “Installing the BEA WebLogic Adapter for ClarifyCRM with the CBO Interface.”](#)

For information on installing and configuring the adapter to use the ClearBasic interface, see [Chapter 2, “Installing the BEA WebLogic Adapter for ClarifyCRM with the ClearBasic Interface.”](#)

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 Integration 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
- ClarifyCRM software, system, and environment. This includes understanding of ClarifyCRM tools and configuration as well as processes and data models.
- BEA Tuxedo, if you are using ClarifyCRM with the ClearBasic interface.
- Your specific ClarifyCRM 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 ClarifyCRM Release Notes*
<http://edocs.bea.com/wladapters/clarify/docs811/pdf/relnotes.pdf>
- *BEA WebLogic Adapter for ClarifyCRM User Guide*
<http://edocs.bea.com/wladapters/clarify/docs811/pdf/user.pdf>
- *Introduction to the BEA WebLogic Adapters*
<http://edocs.bea.com/wladapters/docs81/pdf/intro.pdf>
- BEA WebLogic Adapters 8.1.1 Dev2Dev Product Documentation
<http://dev2dev.bea.com/products/wladapters/index.jsp>

- Application Integration documentation
<http://edocs.bea.com/wli/docs81/aiover/index.html>
<http://edocs.bea.com/wli/docs81/aiuser/index.html>
- BEA WebLogic Integration documentation
<http://edocs.bea.com/wli/docs81/index.html>
- BEA WebLogic Platform documentation
<http://edocs.bea.com/platform/docs81/index.html>
- ClarifyCRM documentation
<http://www.amdocs.com>

Contact Us!

Your feedback on the BEA WebLogic Adapter for ClarifyCRM 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 ClarifyCRM documentation.

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

If you have any questions about this version of BEA WebLogic Adapter for ClarifyCRM, or if you have problems using the BEA WebLogic Adapter for ClarifyCRM, 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

Documentation Conventions

The following documentation conventions are used throughout this document.

Convention	Item
boldface text	Indicates terms defined in the glossary.
Ctrl+Tab	Indicates that you must press two or more keys simultaneously.
<i>italics</i>	Indicates emphasis or book titles.
monospace text	Indicates code samples, commands and their options, data structures and their members, data types, directories, and file names and their extensions. Monospace text also indicates text that you must enter from the keyboard. <i>Examples:</i> <pre>#include <iostream.h> void main () the pointer psz chmod u+w * \tux\data\ap .doc tux.doc BITMAP float</pre>
monospace boldface text	Identifies significant words in code. <i>Example:</i> <pre>void commit ()</pre>
<i>monospace italic text</i>	Identifies variables in code. <i>Example:</i> <pre>String <i>expr</i></pre>
UPPERCASE TEXT	Indicates device names, environment variables, and logical operators. <i>Examples:</i> <pre>LPT1 SIGNON OR</pre>
{ }	Indicates a set of choices in a syntax line. The braces themselves should never be typed.

Convention	Item
[]	<p>Indicates optional items in a syntax line. The brackets themselves should never be typed.</p> <p><i>Example:</i></p> <pre>buildobjclient [-v] [-o name] [-f file-list]... [-l file-list]...</pre>
	<p>Separates mutually exclusive choices in a syntax line. The symbol itself should never be typed.</p>
...	<p>Indicates one of the following in a command line:</p> <ul style="list-style-type: none"> • That an argument can be repeated several times in a command line • That the statement omits additional optional arguments • That you can enter additional parameters, values, or other information <p>The ellipsis itself should never be typed.</p> <p><i>Example:</i></p> <pre>buildobjclient [-v] [-o name] [-f file-list]... [-l file-list]...</pre>
.	<p>Indicates the omission of items from a code example or from a syntax line. The vertical ellipsis itself should never be typed.</p>

Installing the BEA WebLogic Adapter for ClarifyCRM with the CBO Interface

This chapter provides instructions for installing the BEA WebLogic adapter for ClarifyCRM with the CBO interface on both Windows and UNIX systems. To learn more about installing the BEA WebLogic Adapter for ClarifyCRM with the ClearBasic interface, see [Chapter 2, “Installing the BEA WebLogic Adapter for ClarifyCRM with the ClearBasic Interface.”](#)

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 ClarifyCRM, be sure to complete the following tasks:

- [Review the Release Notes](#)
- [Install the Clarify Desktop LAN/WAN Client](#)
- [Obtain Samples and Run Database Scripts](#)
- [Obtain the JDBC Driver](#)
- [Understanding the Representation of Paths](#)

Review the Release Notes

The *BEA WebLogic Adapter for ClarifyCRM Release Notes* contain important information about the software you must install prior to installing the BEA WebLogic Adapter for ClarifyCRM.

Also, be sure to check the release notes for information about any required patches for your system. The *BEA WebLogic Adapter for ClarifyCRM Release Notes* are available at the following URL:

<http://edocs.bea.com/wladapters/clarify/docs811/pdf/relnotes.pdf>

Install the Clarify Desktop LAN/WAN Client

Before you install the BEA WebLogic adapter for ClarifyCRM with the CBO interface, you must install the Clarify Desktop LAN/WAN Client. See your Clarify product documentation for installation instructions for the Clarify Desktop LAN/WAN Client.

Obtain Samples and Run Database Scripts

Before you use the adapter, you must obtain the `bea_clarify_samples.zip` file. This file contains:

- The database scripts necessary for generating triggers for ClarifyCRM events
- Sample XML and XSD files for requests, responses, and events

To obtain the samples file and run the database scripts:

1. Go to

http://commerce.bea.com/products/weblogicadapters/wladapters_samples.jsp

and download the samples for the Adapter for ClarifyCRM.

2. Use WinZip or a similar extracting tool to extract the contents of this zip file.
The samples include scripts for the Oracle and Microsoft SQL Server databases.

Table 1-1 Clarify Database Scripts

Directory	Script Name	Function
createtables\ <i>database</i>	wli_clarify_events.sql	Creates the events table for the BEA WebLogic Adapter for ClarifyCRM .
	wli_clarify_events_seq.sql (Oracle)	Creates the sequence object for events.
	wli_clarify_events_sql.sql (Microsoft SQL Server)	
dbtriggers	<i>database_TriggerGen.bat</i>	Creates the database trigger table.

Here, *database* is the name of your database.

3. Go to the `dbtriggers` directory and find the batch file that is appropriate for your database.
4. Edit the batch file. Replace `user` with the name of a valid database user and `password` with the password associated with the database user name.
5. Start your database SQL interface. For example, if your database is Oracle, you can start SQL*Plus. Or, if your database is Microsoft SQL Server, use the Query Analyzer. You must log on as a user that has privileges to create tables.
6. Execute the `wli_clarify_events.sql` script to generate the event table within your database.
7. Execute the script to generate the event sequence object within your database.
If you are using Oracle, execute the `wli_clarify_events_seq.sql` script.
If you are using Microsoft SQL Server, execute the `wli_clarify_events_sql.sql` script.
8. Exit your database SQL interface.

9. Run the `database_TriggerGen.bat` batch file to create the database trigger table.

Obtain the JDBC Driver

The BEA WebLogic Adapter for ClarifyCRM relies on JDBC access to the ClarifyCRM database for event processing. Before you install the adapter, you must install the appropriate JDBC driver and set in the classpath for the new driver.

If the ClarifyCRM database is stored in Microsoft SQL Server, you can obtain the necessary JDBC driver from the following URL:

<http://msdn.microsoft.com/downloads/default.asp>

If the ClarifyCRM database is stored in Oracle, you can obtain the necessary JDBC driver from the following URL:

http://otn.oracle.com/software/tech/java/sqlj_jdbc/content.html

Note: This page requires you to have a username and password on the Oracle site.

After you have obtained and installed the required driver, you can proceed with installing the adapter.

Understanding 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 `/bea`.
- *WLI_HOME* represents the root 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 `/bea/weblogic81/integration`.

- *domain* is used to indicate 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, such as *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 *Using the Configuration Wizard* which is available at the following URL:

<http://edocs.bea.com/platform/docs81/configwiz/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
`c:\bea\weblogic81\user_projects\domain`.

If you use the Configuration Wizard to create a domain in the default location on a UNIX system, *DOMAIN_HOME* represents `/bea/weblogic81/user_projects/domain`.

Note: *WLI_HOME* and *BEA_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.

Unlike *WLI_HOME* and *BEA_HOME*, *DOMAIN_HOME* is not an environment variable that is set by default in the WebLogic Integration environment.

Installing the Adapter

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

- [Step 1. Obtain the BEA WebLogic Adapter for ClarifyCRM](#)
- [Step 2. Configure the Domain](#)
- [Step 3. Extract the Adapter Files and Change the WebLogic Script](#)
- [Step 4. Update the BEA License](#)
- [Step 5. Deploy the Adapter](#)
- [Step 6. Create an Adapter Administrative User](#)

Step 1. Obtain the BEA WebLogic Adapter for ClarifyCRM

To obtain the EAR file containing the BEA WebLogic Adapter for ClarifyCRM software (BEA_CLARIFY_8_1.ear), 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.

If you haven't already obtained the `bea_clarify_samples.zip` file and run the scripts contained in this zip file, do so now. This zip file contains the tool necessary for generating triggers for ClarifyCRM events. To learn about obtaining this file and running the scripts, see [Obtain Samples and Run Database Scripts](#).

Step 2. Configure the Domain

You must deploy the BEA WebLogic Adapter for ClarifyCRM 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: `BEA_HOME\weblogic81\samples\domains\integration`
- On UNIX: `BEA_HOME/weblogic81/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 the *Configuration Wizard Template Reference* at the following URL:

<http://edocs.bea.com/platform/docs81/configwiz/index.html>

Step 3. Extract the Adapter Files and Change the WebLogic Script

This section explains how to extract the BEA WebLogic Adapter for ClarifyCRM files and edit your WebLogic script to add jar files to the classpath, and adjust the path.

Note: For WebLogic Integration 8.1 SP2, the script file you edit is `setDomainEnv.cmd` or `setDomainEnv.sh`. For versions of WebLogic Integration, earlier than 8.1 SP2, the file name is `startWeblogic.cmd` or `startWebLogic.sh`.

Set the classpath using the procedure appropriate for your system:

- [Extracting Files and Adjusting the Classpath for Windows](#)
- [Extracting Files and Adjusting the Classpath for UNIX](#)

Extracting Files and Adjusting the Classpath for Windows

To extract the BEA WebLogic Adapter for ClarifyCRM for the CBO interface files and edit the WebLogic script:

1. Use WinZip (or another similar extracting product) to extract the `BEA_CLARIFY_8_1.ear` file to a directory of your choice (for example, `BEA_HOME\adapters\clarify`).

2. Go to the root directory for your domain:

```
cd DOMAIN_HOME
```

Note: You must choose a domain that supports application integration functionality.

3. Open the script file with an ASCII editor. For WebLogic Integration 8.1 SP2, the file is `setDomainEnv.cmd`. For earlier versions of WebLogic Integration, the file is `startWebLogic.cmd`.

4. Find the following command in the script file:

```
set CLASSPATH=%ARDDIR%\ant\ant.jar;%JAVA_HOME%\jre\lib\rt.jar
```

5. Immediately *after* this command line, insert the following command lines so that the `CLASSPATH` and `PATH` point to the files you extracted in Step 1:

- If you're using Microsoft SQL Server, set the classpath as follows:

```
rem ===== JDBC Java Libraries and DLLs (for JNI calls) =====
set CLASSPATH=%CLASSPATH%; "JDBC_inst_path\msbase.jar"
set CLASSPATH=%CLASSPATH%; "JDBC_inst_path\mssqlserver.jar"
set CLASSPATH=%CLASSPATH%; "JDBC_inst_path\msutil.jar"
set CLASSPATH=%CLASSPATH%; "Clarify_path\javaclasses\ClfyCbo.jar"
```

Here, `JDBC_inst_path` is the path to where you installed the JDBC driver. To learn more about installing the JDBC driver, see [Obtain the JDBC Driver](#).

Here, `Clarify_path` is the path to where you installed the adapter.

- If you're using Oracle, set the classpath as follows:

```
rem ===== JDBC Java Libraries and DLLs (for JNI calls) =====
set CLASSPATH=%CLASSPATH%; "JDBC_inst_path\classes12.zip"
```

```
set CLASSPATH=%CLASSPATH%; "Clarify_path\javaclasses\ClfyCbo.jar"
```

Here *JDBC_inst_path* is the path to where you installed the JDBC driver. To learn more about installing the JDBC driver, see [Obtain the JDBC Driver](#).

Here *Clarify_path* is the path to where you installed the adapter.

6. Add the ClarifyCRM /bin directory to the path.

```
rem ==== Adding clarify bin directory to PATH =====  
set PATH=%PATH%; "BEA_HOME\adapters\clarify\bin"
```

Here, *BEA_HOME*\adapters\clarify is the directory to which you extracted the adapter files in Step 1.

7. Save your changes and close the script file.

Extracting Files and Adjusting the Classpath for UNIX

To extract the BEA WebLogic Adapter for ClarifyCRM for the CBO interface files and edit the WebLogic startup script:

1. Use jar (or another similar extracting product) to extract *BEA_CLARIFY_8_1.ear* to a directory of your choice (for example, *BEA_HOME*/adapters/clarify).

2. Go to the root directory for your domain:

```
cd DOMAIN_HOME
```

Note: You must choose a WebLogic Integration domain that supports application integration functionality.

3. Open the WebLogic script file with an editor. For WebLogic Integration 8.1 SP2, the file is *setDomainEnv.sh*. For earlier versions of WebLogic Integration, the file is *startWebLogic.sh*.
4. Update the classpath and path environment settings in the script file.

After the following line:

```
CLASSPATH="%${ARDIR}/ant/ant.jar:${JAVA_HOME}/jre/lib/rt.jar"
```

Insert the following command lines so that the CLASSPATH and PATH point to the files you extracted in Step 1:

```
rem ===== JDBC Java Libraries and DLLs (for JNI calls) =====  
set CLASSPATH=%CLASSPATH%; "JDBC_inst_path/classes12.zip"  
set CLASSPATH=%CLASSPATH%; "Clarify_path/javaclasses/ClfyCbo.jar"
```

Here *JDBC_inst_path* is the path to where you installed the JDBC driver. To learn more about installing the JDBC driver, see [Obtain the JDBC Driver](#).

Here *Clarify_path* is the path to where you installed the adapter.

5. Add the ClarifyCRM /bin directory to your path. Add the following line to your script file:

```
rem ==== Adding clarify directory to PATH ====
set PATH=$PATH:"$BEA_HOME/adapters/clarify/your_UNIX_system/bin"
```

Here, *BEA_HOME/adapters/clarify* is the directory specified in Step 1, and *your_UNIX_system* is *hpux*, *solaris*, or *aix*, depending on your UNIX system.

6. Save your changes and close the script file.

Step 4. Update the BEA License

In order to use the BEA WebLogic Adapter for ClarifyCRM 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 *clarify_adapter_license.bea*. The adapter license file is the *license_update_file* referred to in step 4 of this procedure.

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_02\bin;%PATH%
```

- On a UNIX system:

```
PATH=BEA_HOME/jdk141_02/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 5. Deploy the Adapter

After you have installed the BEA WebLogic Adapter for ClarifyCRM, 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/
```

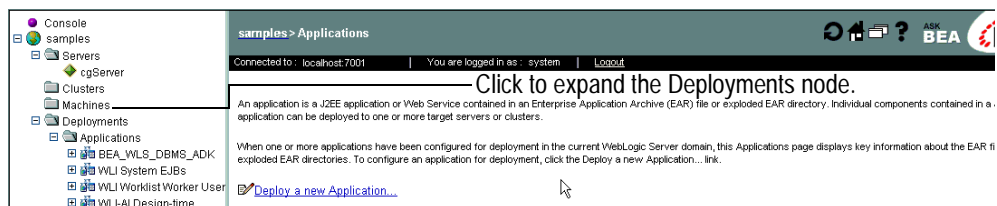
Where,

- *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.

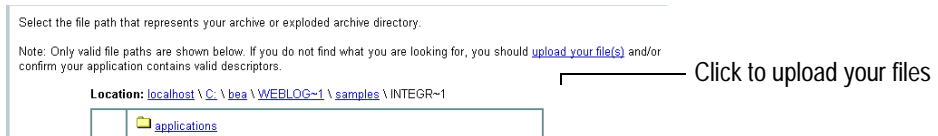
The WebLogic Server Administration Console appears.



4. In the left pane, expand the Deployments node.

- Under the Deployments node, right-click Applications, and select Deploy a New Application.

This initiates the Deployment Assistant in the right panel.



- Click the upload your files(s) link.

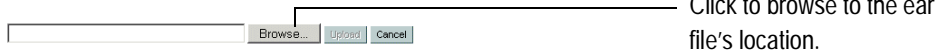
The Administration Console displays the Install or Update an Application window.

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.

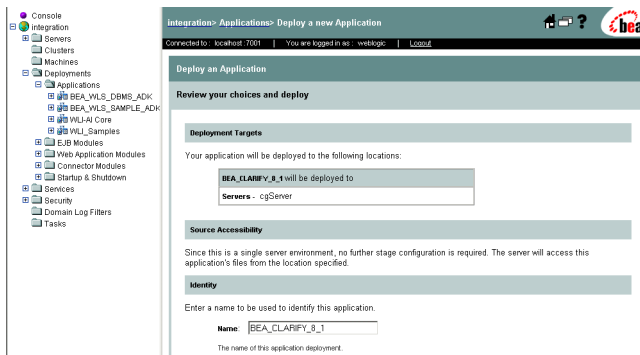


- Click the Browse button, navigate to the directory in which the `BEA_CLARIFY_8_1.ear` file resides, and then click the Upload button.

The Administration Console prompts you to confirm the uploaded application.

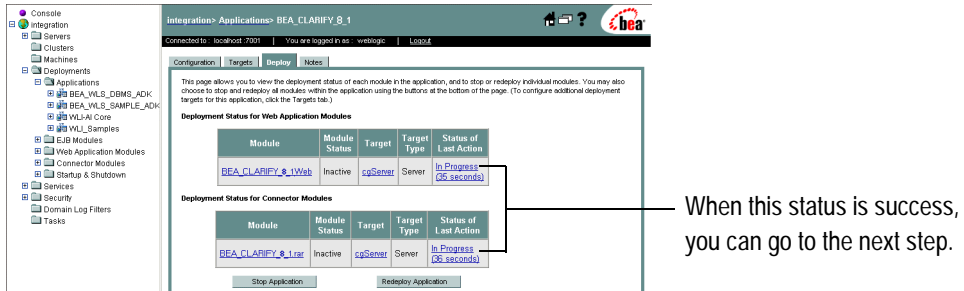
- Click the radio button next to the application file and then click Continue.

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



9. Click Deploy.

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



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

Step 6. Create an Adapter Administrative User

If you want to manage security for the BEA WebLogic Adapter for ClarifyCRM, you can create an administrative user (such as `clarifyAdapterAdmin`) 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 the Security node.
2. In the left pane, click the Realms node.
3. In the left pane, click the name of the realm for which you want to configure security.
4. In the left pane, click Users.

The Users page appears.

Users are entities that can be authenticated. A user can be a person or software entity, such as a Java client. Each user is given a unique identity within a security realm. BEA recommends assigning users to groups for two reasons: it makes the WebLogic Security Service perform better, and makes it more efficient for administrators who work with large numbers of users.

This Users page displays key information about each user that has been configured in this security realm.

[Configure a new User...](#)

Click to configure a new user.

Filter By:

User	Description	Provider	
weblogic	weblogic	DefaultAuthenticator	
installadministrator	installadministrator	DefaultAuthenticator	

5. Click the Configure a New User link.

The Create User page appears.

This page allows you to define a user in this security realm.

Name:
The login name for this user.

Description:
A short description of this user. For example, the user's full name.

Password:
Confirm Password:
The password associated with the login name for this user.

Enter the user information.

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

The User page appears.

[Configure a new User...](#)

This page allows you to define a user in this security realm.

Name: MyAdapterAdmin
The login name for this user.

Description:
A short description of this user. For example, the user's full name.

Password: [Change...](#)

Enter a description for this user.

Click to change the password.

7. Click the Groups tab.

The Groups page appears.

[Configure a new User...](#)

This page allows you to select the groups to which this user belongs.

Group Membership:

Possible Groups	Current Groups
Administrators	
Deployers	
IntegrationAdministrators	
IntegrationDeployers	
IntegrationMonitors	
IntegrationOperators	
IntegrationUsers	
Monitors	
Operators	
TaskCreationGroup	

Select a group for the user.

8. In the Possible Groups list, select Administrators and then click the right arrow to add the Administrators group to the list of current groups.

9. Click the Apply button.
10. 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 finished installing the BEA WebLogic Adapter for ClarifyCRM, you can proceed to the following task:

- [Starting Integration with ClarifyCRM](#)

Starting Integration with ClarifyCRM

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

<http://edocs.bea.com/wlapters/clarify/docs811/pdf/user.pdf>

Installing the BEA WebLogic Adapter for ClarifyCRM with the ClearBasic Interface

This section explains how to install the BEA WebLogic Adapter for ClarifyCRM with the ClearBasic interface with WebLogic Integration on both Windows and UNIX systems. To learn more about installing the BEA WebLogic Adapter for ClarifyCRM with the CBO interface, see [Chapter 1, “Installing the BEA WebLogic Adapter for ClarifyCRM with the CBO Interface.”](#)

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 ClarifyCRM for the ClearBasic interface, be sure to complete the following tasks:

- [Review the Release Notes](#)
- [Understanding the Representation of Paths](#)

Review the Release Notes

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

<http://edocs.bea.com/wladapters/clarify/docs811/pdf/relnotes.pdf>

Understanding 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 `/bea`.
- *WLI_HOME* represents the root 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 `/bea/weblogic81/integration`.
- *domain* is used to indicate 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 *Using the Configuration Wizard* which is available at the following URL:

<http://edocs.bea.com/platform/docs81/configwiz/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

`c:\bea\weblogic81\user_projects\domain.`

If you use the Configuration Wizard to create a domain in the default location on a UNIX system, *DOMAIN_HOME* represents `/bea/weblogic81/user_projects/domain.`

Note: *WLI_HOME* and *BEA_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.

Unlike *WLI_HOME* and *BEA_HOME*, *DOMAIN_HOME* is not an environment variable that is set by default in the WebLogic Integration environment.

Installing the Adapter

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

- [Step 1. Obtain the BEA WebLogic Adapter for ClarifyCRM](#)
- [Step 2. Configure the WebLogic Domain](#)
- [Step 3. Update the BEA License](#)
- [Step 4. Deploy the Adapter](#)
- [Step 5: Configure the WebLogic Tuxedo Connector](#)
- [Step 6. Create an Adapter Administrative User](#)

Step 1. Obtain the BEA WebLogic Adapter for ClarifyCRM

To obtain the EAR file containing the BEA WebLogic Adapter for ClarifyCRM for the ClearBasic interface software (`BEA_CLARIFYCB_8_1.ear`), 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 WebLogic Domain

You must deploy the BEA WebLogic Adapter for ClarifyCRM 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: `BEA_HOME\weblogic81\samples\domains\integration`
- On UNIX: `BEA_HOME/weblogic81/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 the *Configuration Wizard Template Reference* at the following URL:

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

Step 3. Update the BEA License

In order to use the BEA WebLogic Adapter for ClarifyCRM 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 `clarify_adapter_license.bea`. The adapter license file is the *license_update_file* referred to in step 4 of this procedure.

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_02\bin;%PATH%
```

- On a UNIX system:

```
PATH=BEA_HOME/jdk141_02/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 4. Deploy the Adapter

After you have installed the BEA WebLogic Adapter for ClarifyCRM, 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,

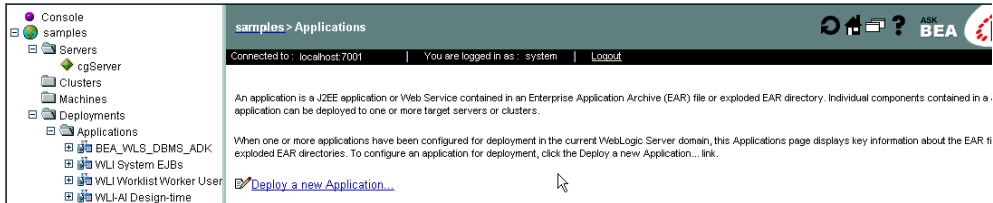
- `host` represents the machine on which WebLogic Server is running
- `port` represents the listening port.

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

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

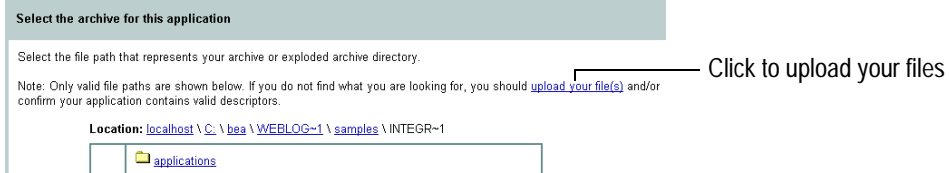
The WebLogic Server Administration Console appears.

4. In the left pane, expand the Deployments node. Expand the Applications node.



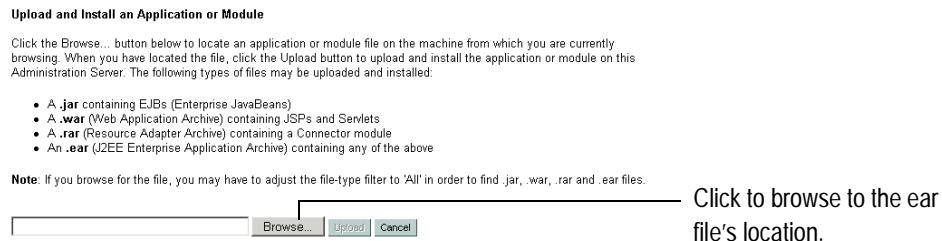
5. Click Deploy a new Application.

This initiates 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 window.

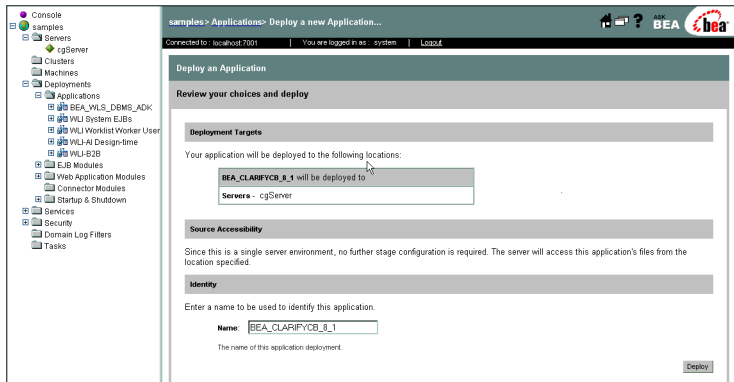


7. Click the Browse button, navigate to the directory in which the BEA_CLARIFYCB_8_1.ear file resides, and then click the Upload button.

The Administration Console prompts you to confirm the uploaded application.

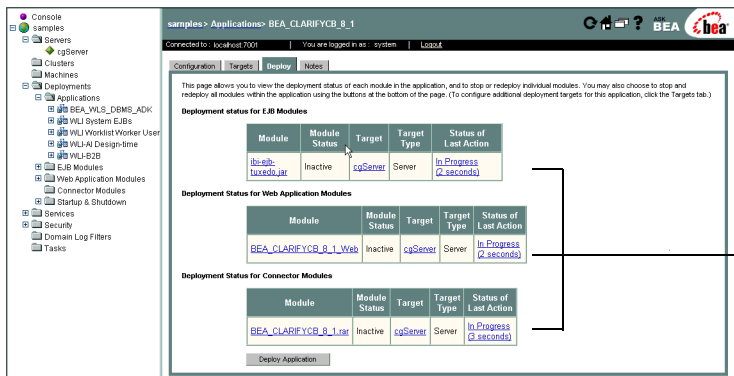
8. Click the radio button next to the application file and then click Continue.

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



9. Click Deploy.

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



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

Using the Adapter in a Clustered Environment

The adapter for ClarifyCRM adapter is supported for a clustered environment. In order to successfully deploy the adapter on a clustered environment, you must deploy the WTC and EJB services on each node in the cluster. For more information on clustering, see “Clusters” in “Deployment Targets” in “Deploying WebLogic Server Applications” in the WebLogic Server documentation:

<http://edocs.bea.com/wls/docs81/deployment/overview.html#1040441>

Step 5: Configure the WebLogic Tuxedo Connector

The ClearBasic interface of the BEA WebLogic Adapter for ClarifyCRM uses Tuxedo and the WebLogic Tuxedo Connector (WTC) to communicate to the ClarifyCRM application server. ClearBasic routines are then executed at the Tuxedo-based ClarifyCRM application server through a Tuxedo-to-ClearBasic router service.

WTC provides a Tuxedo Domain-to-Domain connectivity between the services available in Tuxedo and the services hosted by EJBs in WebLogic. WTC also provides the Java ATMI (JATMI) interface, which enables Java components to call Tuxedo services and Tuxedo services to invoke the service methods of WebLogic-hosted EJBs.

WebLogic Integration service calls to the ClearBasic interface of the BEA Adapter for ClarifyCRM translate the XML request document into a JATMI Tuxedo service call through the facilities provided by the adapter and WTC to a remote Tuxedo application. This application receives the service call and its arguments (in an FML32-based buffer) and routes the request to a ClearBasic ClarifyCRM routine. The results are returned and presented as the response to the original WebLogic Integration service request.

Conversely, ClarifyCRM ClearBasic routines may call a Tuxedo service that is routed through the Tuxedo Domain configuration to a WebLogic Server-based WTC domain. The WebLogic Server WTC Exported Service and the EJB supporting this service will be invoked, with the ClearBasic arguments (in an FML32-based buffer) forming the contents of a WebLogic Integration posted XML event.

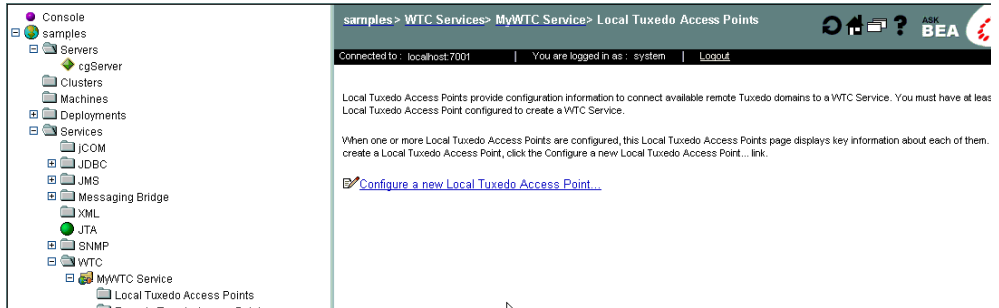
This step includes the following topics:

- [Creating a Local WebLogic Domain](#)
- [Creating a Remote Tuxedo Domain](#)
- [Exporting a Local WTC Service](#)
- [Importing a Remote Tuxedo Service](#)
- [Creating a New WTC Server](#)
- [Configuring the WebLogic Tuxedo Connector EJBs](#)
- [Creating Domain Access Permissions for WTC Server](#)

Creating a Local WebLogic Domain

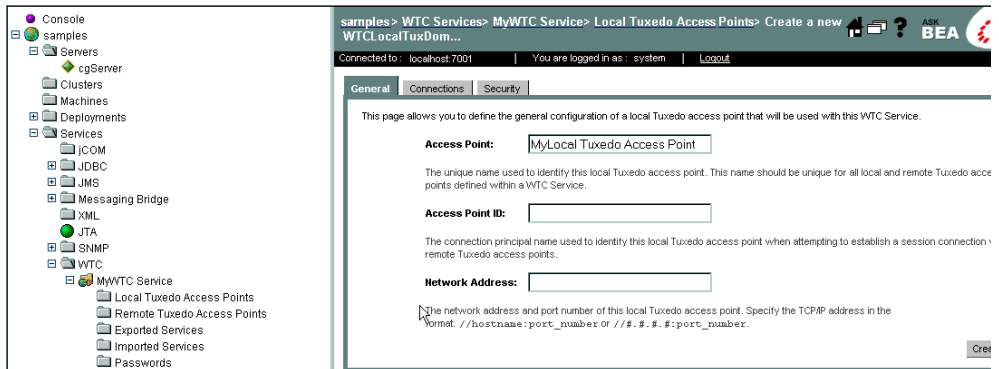
To create a local WebLogic domain:

1. Log on to the WebLogic Server Console and expand your WebLogic Tuxedo Connector (WTC) Server's node in the left pane, if you have not yet done so.



2. In the left pane, expand your WTC Service node.
3. Click [Configure a new Local Tuxedo Access Point](#) in the right pane.

The [Create a new WTCLocalTuxDom...](#) window opens.



4. Specify the access point, the access point ID, and the network address.
5. Click [Create](#).

You have successfully created the local WebLogic domain. To create a remote Tuxedo domain, see [“Creating a Remote Tuxedo Domain.”](#)

If you have already created a remote Tuxedo domain, you can now create services.

- To export a local WTC service, see [“Exporting a Local WTC Service.”](#)
- To import a remote Tuxedo service, see [“Importing a Remote Tuxedo Service.”](#)

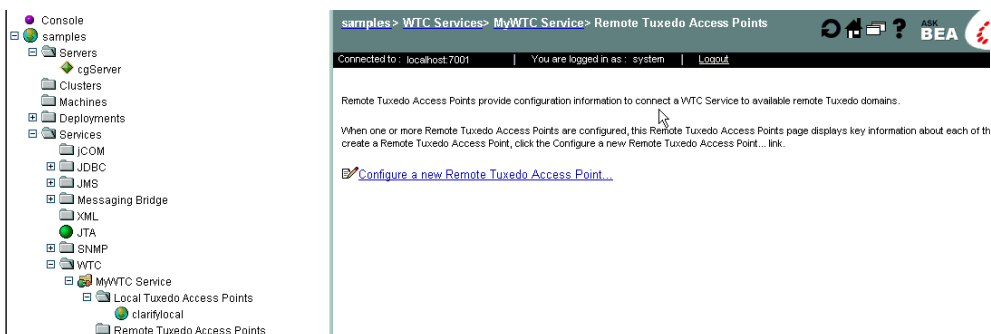
You can export and import services in any order.

Creating a Remote Tuxedo Domain

This configuration corresponds to the remote Tuxedo domain that will be running ClarifyCRM and to which the local WebLogic Server WTC domain will be communicating.

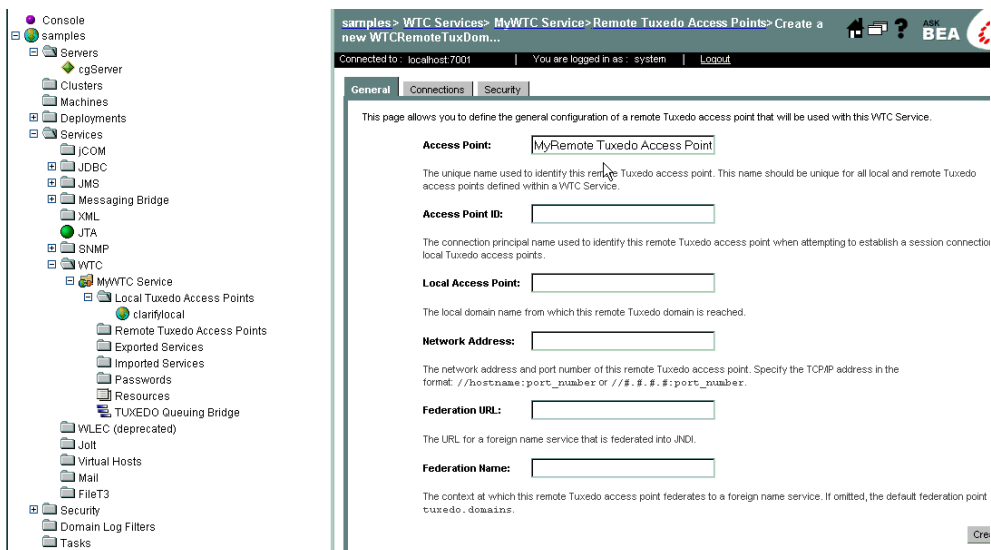
To create a remote Tuxedo domain:

1. Log on to the WebLogic Server Console and expand your WebLogic Tuxedo Connector (WTC) Server's node in the left pane.
2. In the left pane, expand your WTC Service node.



3. Click Configure a new Remote Tuxedo Access Point in the right pane.

The Create A Remote Tux Domain window appears.



4. Enter the domain's properties:
 - Access Point: the name of the remote Tuxedo domain.
 - Access Point Id: the ID of the Tuxedo domain as listed in the DMCONFIG configuration on Tuxedo.
 - Local Access Point: the name of the local WLS domain that will be connected to this remote Tuxedo domain.
 - Network Address: the TCP/IP //host:port of the remote Tuxedo domain.
 - Federation URL: the URL for a foreign name service that is federated into JNDI. You are not required to provide this value.
 - Federation Name: the context at which to federate to a foreign name service. You are not required to provide this value.
5. Click Create to activate the configuration you have defined.

You may also want to modify default values in the Connections and Security tabs. Please see your WebLogic Tuxedo Connector Administration manual for help with modifying these values.

You have successfully created a remote Tuxedo domain. To create a local WebLogic domain, see [“Creating a Local WebLogic Domain.”](#)

If you have already created a local WebLogic domain, you can now create services.

- To export a local WTC service, see [“Exporting a Local WTC Service.”](#)
- To import a remote Tuxedo service, see [“Importing a Remote Tuxedo Service.”](#)

You can export and import services in any order.

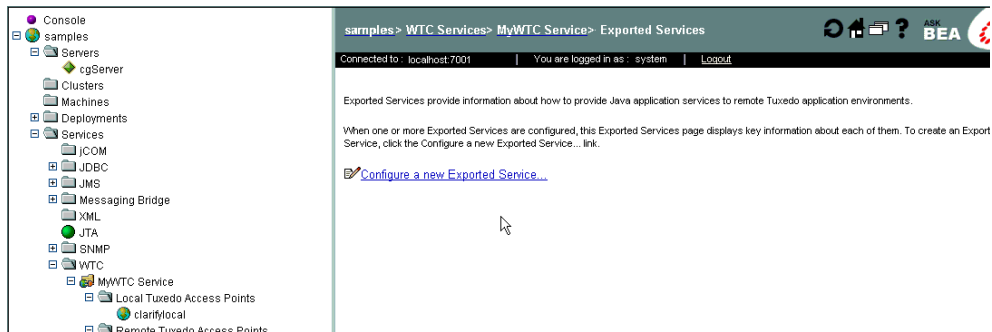
Exporting a Local WTC Service

Exported local WebLogic Tuxedo Connector (WTC) services are services hosted on the WebLogic Server, implemented through Enterprise JavaBeans (EJBs) which implement the `weblogic.wtc.jatmi.TuxedoService` interface. The ClearBasic interface of the BEA WebLogic Adapter for ClarifyCRM supplies an EJB to support the inbound invocation of service requests and to post the constructed XML event document into WebLogic Integration. These local WTC services support the event adapter.

To export a local WTC service:

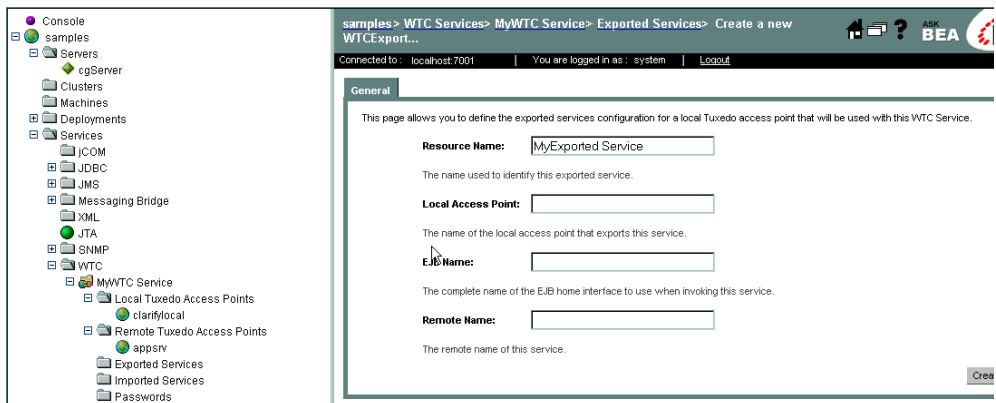
1. Log on to the WebLogic Server Console and expand your WTC Server's node in the left pane.

2. In the left pane, expand your WTC Service node.



3. Click Configure a new Exported Service.

The Create a new WTC Exported Service screen appears.



4. Enter the service's properties:
 - Resource Name: the locally known name of the service.
 - Local Access Point: the name of the local WebLogic WTC domain access point containing the service.
 - EJB Name: the JNDI name of the EJB implementing the Tuxedo service locally on the WebLogic Server.
 - Remote Name: the name the local service will be known as when accessed in the remote Tuxedo domains.
5. Click Create to activate the configuration entries.

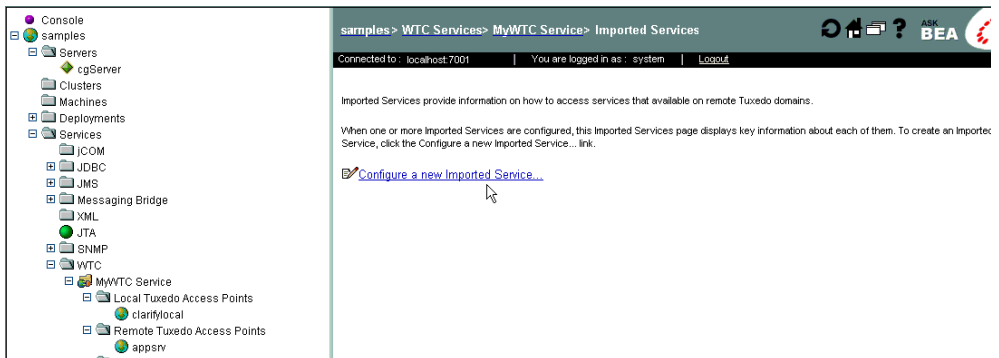
You have successfully exported the local WTC service. To import a remote Tuxedo service, see “[Importing a Remote Tuxedo Service.](#)”

Importing a Remote Tuxedo Service

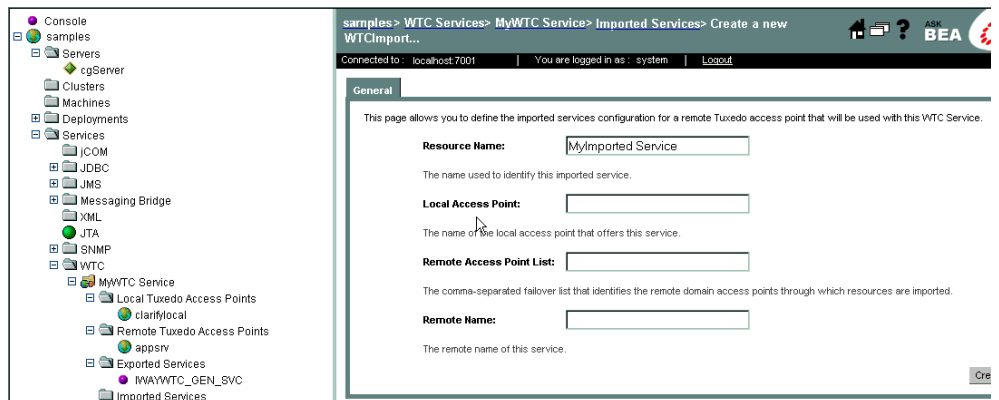
Imported remote Tuxedo services are services hosted on the remote Tuxedo server. ClarifyCRM supplies a routing service, CB_EXESUB, that takes Tuxedo requests and calls into ClarifyCRM ClearBasic routines.

To import a remote WTC service:

1. Log on to the WebLogic Server Console and expand your WTC Server’s node in the left pane.
2. In the left pane, expand your WTC Service node.



3. Click Configure a new Imported Service.



4. Enter the service’s properties:

- Resource Name: the locally-known name of the service.
- Local Access Point: the name of the local WebLogic WTC domain access point in which the service will be made available.
- Remote Access Point List: the list of all defined remote Tuxedo domains that can be called on to execute the imported service.
- Remote Name: the name the remote service as it exists in the Tuxedo domains.

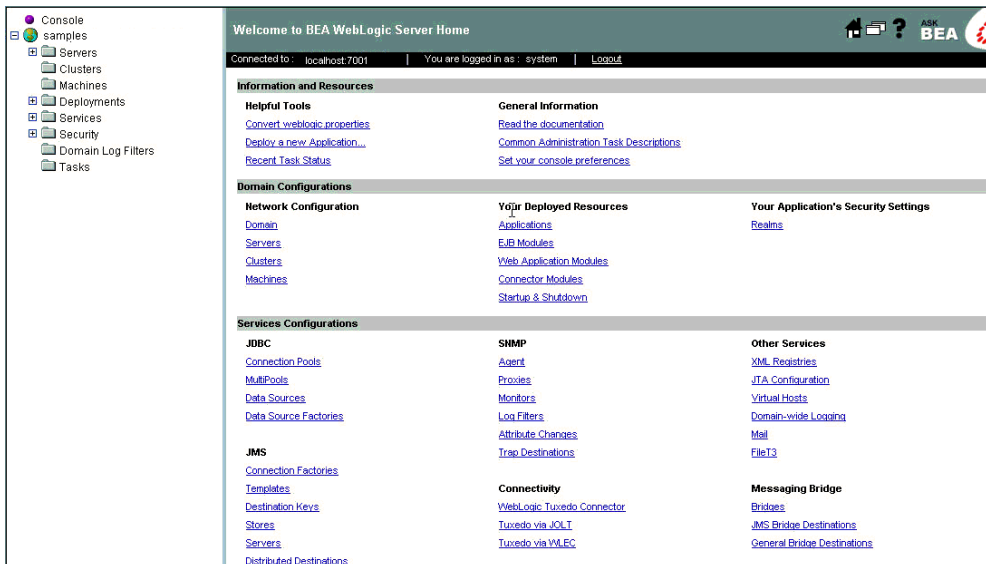
5. Click Create to activate the configuration entries.

You have successfully imported the remote Tuxedo service. To export a local Tuxedo service, see “[Exporting a Local WTC Service.](#)”

Creating a New WTC Server

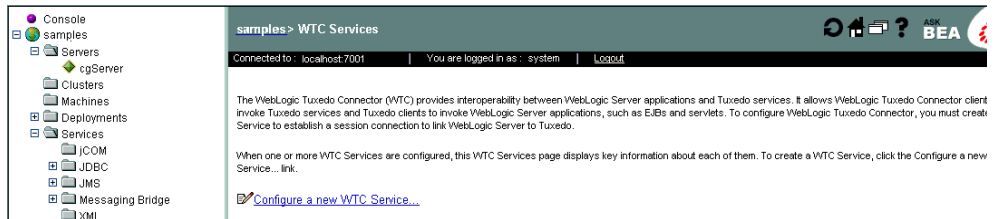
To create a new WTC Server:

1. Log on to the BEA WebLogic Server Console.



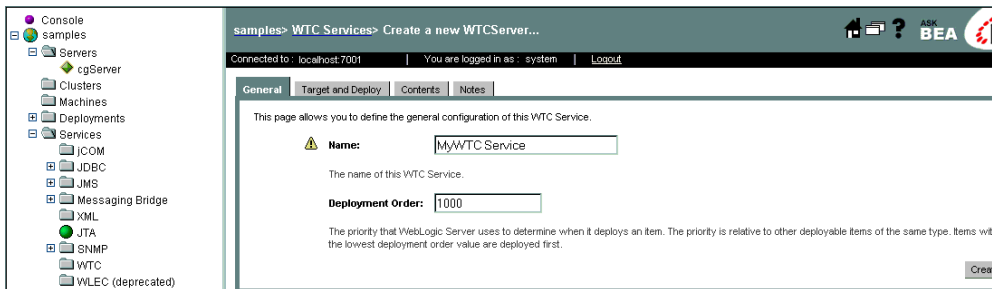
2. Click WebLogic Tuxedo Connector.

The WTCServers window opens.



3. Click **Configure a new WTCServer...**

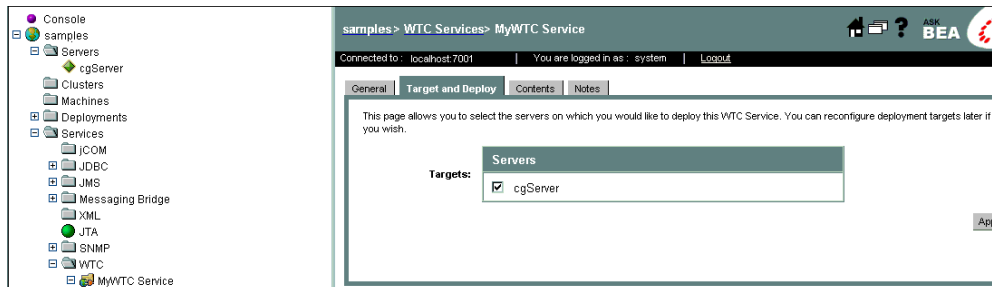
The **Create a new WTCServer...** window opens.



4. Enter a name and deployment order for this WebLogic Tuxedo Connector Server (that is, for this instance of the WebLogic Tuxedo Connector).

You can provide any descriptive name for the server: it serves only to contain the configuration of domains and services.

5. Click **Create** to create your new WTC Server.
6. Select the **Targets** tab.
7. Select the WebLogic Server on which you want the WTC server to be deployed.



8. In the left pane, expand the node corresponding to your new WTC Server.

The WTC Server's components are displayed in the left pane.

You have successfully created the WTC Server.

To create:

- A local WebLogic domain, see [“Creating a Local WebLogic Domain.”](#)
- A remote Tuxedo domain, see [“Creating a Remote Tuxedo Domain.”](#)

You can create the domains in any order.

Configuring the WebLogic Tuxedo Connector EJBs

The ClearBasic interface for the BEA WebLogic Adapter for ClarifyCRM requires Enterprise JavaBeans (EJBs) to access the Java-based Application to Monitor Interface (JATMI) of the WebLogic Tuxedo Connector (WTC). Two EJBs are supplied:

- TuxConnectorEJB for WLAI service invocation.
- TuxEventConnectorEJB for Tuxedo service invocation and WLAI event posting.

The EJBs are automatically installed and deployed when the adapter's Web Application .ear file is installed. This section describes the configuration options available to the Tuxedo Connector EJBs.

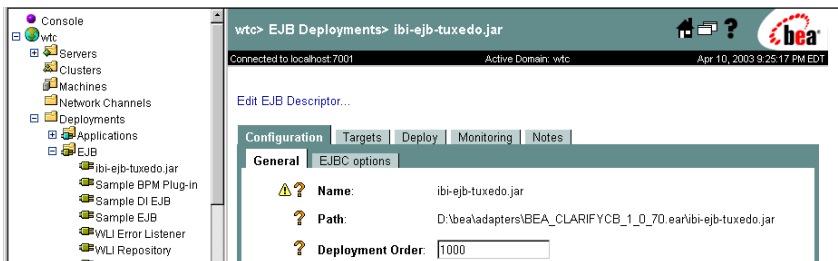
1. Log on to the WebLogic Server Console if you have not already done so.
2. Select Deployments→EJB in the left pane.

The list of all EJBs deployed on your WebLogic Server is displayed.

WLI-AI Async Processor	WebLogic Integration	wlai-asyncprocessor-ejb.jar	1000	
WLI-B2B ebXML BPM Plug-in	WebLogic Integration	ebxml-bpm-plugin.jar	1000	
Sample EJB	WebLogic Integration	pobean.jar	1000	
WLI-AI Event Processor	WebLogic Integration	wlai-eventprocessor-ejb.jar	1000	
WLI-BPM Server	WebLogic Integration	wlpi-ejb.jar	1000	
WLI-BPM Event Processor	WebLogic Integration	wlpi-mdb-ejb.jar	1000	
WLI-DI BPM Plug-in	WebLogic Integration	wlxtpi.jar	1000	
WLI-B2B RN MDB	WebLogic Integration	b2b-rosettanet.jar	1000	
WLI-AI BPM Plug-in	WebLogic Integration	wlai-plugin-ejb.jar	1000	
WLI-B2B RN BPM Plug-in	WebLogic Integration	wlc-wlpi-plugin.jar	1000	
WLI-BPM Initialization	WebLogic Integration	bpm-init-ejb.jar	1000	
WLI-BPM Plugin Manager	WebLogic Integration	wlpi-master-ejb.jar	1000	
WLI Repository	WebLogic Integration	repository-ejb.jar	1000	
Sample BPM Plug-in	WebLogic Integration	sampleplugin-ejb.jar	1000	
ibi-ejb-tuxedo.jar	BEA_CLARIFYCB_1_0	ibi-ejb-tuxedo.jar	1000	

3. Click `ibi-ejb-tuxedo.jar`, the EJB .jar file that is supplied with the adapter. Both EJBs are contained in this file.

The `ibi-ejb-tuxedo.jar` summary window opens.

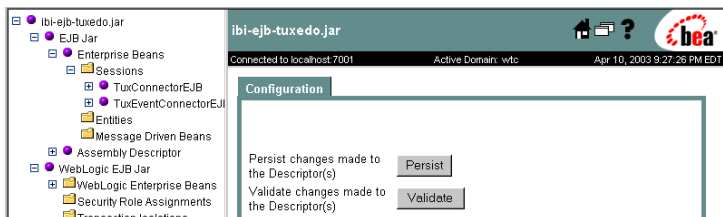


4. Click Edit EJB Descriptor...

A separate WebLogic Server Console window opens, with `ibi-ejb-tuxedo.jar` the root node in the left pane.

5. Expand `ibi-ejb-tuxedo.jar`→EJB Jar→Enterprise Beans→Sessions in the left pane.

The nodes for the two EJBs are displayed in the left pane.



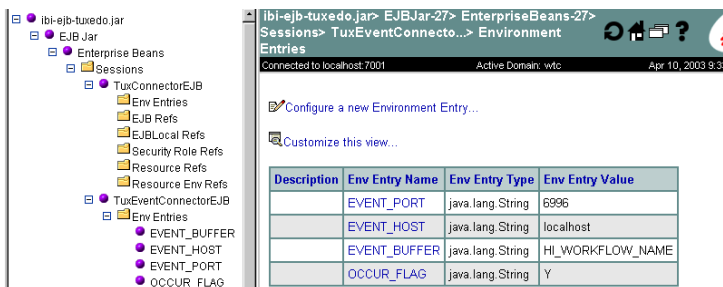
6. Expand the two EJB nodes in the left pane.

TuxEventConnectorEJB is responsible for receiving Tuxedo service requests, translating the Tuxedo data into XML, and posting into the WebLogic Integration event adapter. TuxEventConnectorEJB has environment entries (run-time properties that control the behavior of the EJB). You will configure its properties.

TuxConnectorEJB receives XML request documents and invokes Tuxedo service calls via the JATMI layer of WTC, and receives the corresponding response data and creates response documents from it. It has no properties to be configured.

7. Unfold TuxEventConnectorEJB's Env Entries folder.

The EJB's environment entries are displayed.

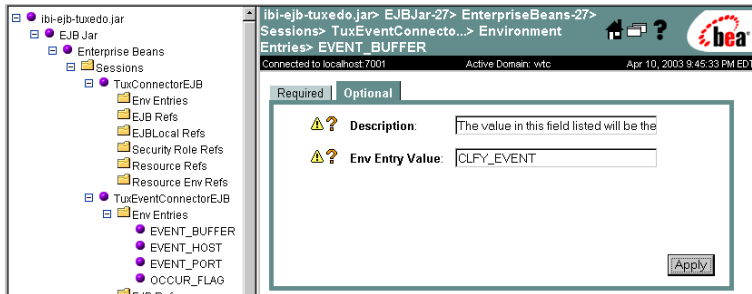


This EJB has the following environment entries:

- EVENT_PORT, which specifies the port to which the event XML file will be posted by the EJB.
- EVENT_HOST, which specifies the host to which the event XML file will be posted by the EJB.
- EVENT_BUFFER, which specifies the Tuxedo FML field from which the root XML element will be obtained.
- OCCUR_FLAG, which indicates whether OCCURRENCE attributes will be added to the created XML document elements to ensure addressability of repeating XML elements. (Y indicates that OCCURRENCE attributes will be created for every field; N indicates that no OCCURRENCE attributes will be created.)

8. To change the EJB's environment entry:

- a. Select the entry.
- b. Select the Optional tab.



- c. Enter a new value.
- d. Click Apply.

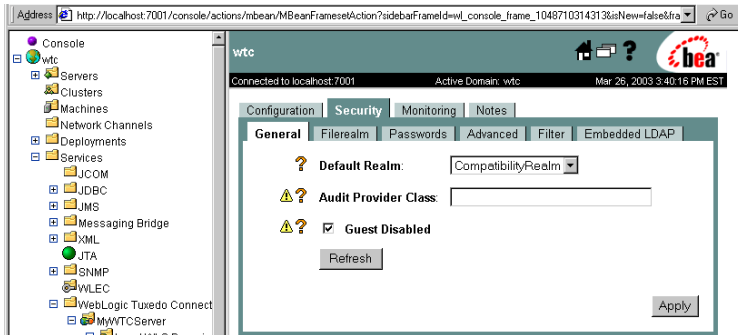
You have finished configuring the WTC EJBs.

Creating Domain Access Permissions for WTC Server

The Local WLS-based WTC domain and the remote Tuxedo domain have several security settings. By default, there is no domain-to-domain security configured for a WebLogic Server WebLogic Tuxedo Connector (WTC) to Tuxedo domain setup. For information about other security options that restrict access at the domain level, consult your WTC manual.

Regardless of the security levels chosen (“none”, “application password,” or “domain password”) on the local and remote domains, a connection principle will be required for the remote Tuxedo domain. It will be under this account that the remote domain will invoke local WTC-based service requests. By default, the connection principle or user ID under which a remote domain connects is its Access Point ID. An account must be created in the active security realm under which the remote domain request can be executed.

WebLogic Interface adapters must run in a domain that supports application integration, and these domains run under CompatibilityRealm security.



For this reason, you must create a user account for the remote Tuxedo domain:

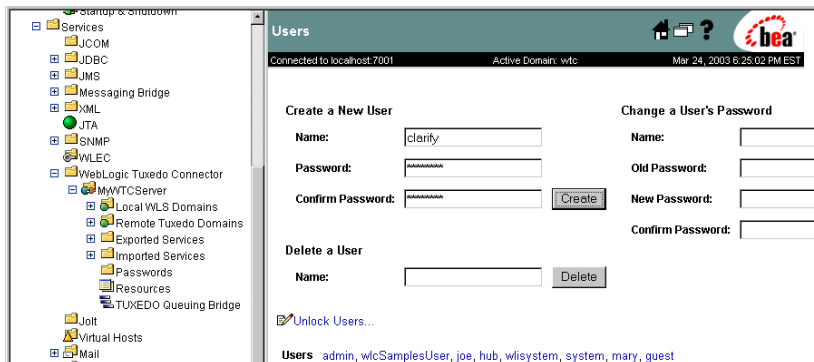
1. Create a new account for the remote Tuxedo domain.

From the WebLogic Console, expand the Compatibility Security branch, and select Users.

Fill in the requisite fields to create a new user:

- a. name, which must match the remote Tuxedo Access Point ID.
- b. password, which can be anything as it is not checked when domain security is set to “none.”

Click Create and then click Click here to save these changes to the realm implementation.



Step 6. Create an Adapter Administrative User

If you want to manage security for the BEA WebLogic Adapter for ClarifyCRM, you can create an administrative user (such as `clarifyAdapterAdmin`) 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 the Security node.
2. In the left pane, click the Realms node.
3. In the left pane, click the name of the realm for which you want to configure security.
4. In the left pane, click Users.

The Users page appears.

Users are entities that can be authenticated. A user can be a person or software entity, such as a Java client. Each user is given a unique identity within a security realm. BEA recommends assigning users to groups for two reasons: it makes the WebLogic Security Service perform better, and makes it more efficient for administrators who work with large numbers of users.

This Users page displays key information about each user that has been configured in this security realm.

[Configure a new User...](#)

Filter By:

User	Description	Provider	
weblogic	weblogic	DefaultAuthenticator	
installadministrator	installadministrator	DefaultAuthenticator	

Click to configure a new user.

5. Click the Configure a New User link.

The Create User page appears.

General | Groups | Details

This page allows you to define a user in this security realm.

Name:
The login name for this user.

Description:
A short description of this user. For example, the user's full name.

Password:
Confirm Password:
The password associated with the login name for this user.

Enter the user information.

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

The User page appears.

[Configure a new User...](#)

General Groups Details

This page allows you to define a user in this security realm.

Name: MyAdapterAdmin
The login name for this user.

Description: MyAdapter Administrator
A short description of this user. For example, the user's full name.

Password: [Change...](#)

Apply

Enter a description for this user.

Click to change the password.

7. Click the Groups tab.

The Groups page appears.

[Configure a new User...](#)

General Groups Details

This page allows you to select the groups to which this user belongs.

Group Membership:

Possible Groups	Current Groups
Administrators	
Deployers	
IntegrationAdministrators	
IntegrationDeployers	
IntegrationMonitors	
IntegrationOperators	
IntegrationUsers	
Monitors	
Operators	
TaskCreationGroup	

Apply

Select a group for the user.

8. In the Possible Groups list, select Administrators and then click the right arrow to add the Administrators group to the list of current groups.
9. Click Apply.
10. 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 finished installing the BEA WebLogic Adapter for ClarifyCRM, you can proceed to the following task:

- [Starting Integration with ClarifyCRM](#)

Starting Integration with ClarifyCRM

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

<http://edocs.bea.com/wlapters/clarify/docs811/pdf/user.pdf>

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