Oracle® Retail Integration Bus

Hospital Administration Guide

Release 13.2.6

E47711-01

July 2013

ORACLE®

Oracle® Retail Integration Bus Hospital Administration Guide, Release 13.2.6

E47711-01

Copyright © 2013, Oracle and/or its affiliates. All rights reserved.

Primary Author: Anshuman Accanoor

This software and related documentation are provided under a license agreement containing restrictions on use and disclosure and are protected by intellectual property laws. Except as expressly permitted in your license agreement or allowed by law, you may not use, copy, reproduce, translate, broadcast, modify, license, transmit, distribute, exhibit, perform, publish, or display any part, in any form, or by any means. Reverse engineering, disassembly, or decompilation of this software, unless required by law for interoperability, is prohibited.

The information contained herein is subject to change without notice and is not warranted to be error-free. If you find any errors, please report them to us in writing.

If this is software or related documentation that is delivered to the U.S. Government or anyone licensing it on behalf of the U.S. Government, the following notice is applicable:

U.S. GOVERNMENT END USERS: Oracle programs, including any operating system, integrated software, any programs installed on the hardware, and/or documentation, delivered to U.S. Government end users are "commercial computer software" pursuant to the applicable Federal Acquisition Regulation and agency-specific supplemental regulations. As such, use, duplication, disclosure, modification, and adaptation of the programs, including any operating system, integrated software, any programs installed on the hardware, and/or documentation, shall be subject to license terms and license restrictions applicable to the programs. No other rights are granted to the U.S. Government.

This software or hardware is developed for general use in a variety of information management applications. It is not developed or intended for use in any inherently dangerous applications, including applications that may create a risk of personal injury. If you use this software or hardware in dangerous applications, then you shall be responsible to take all appropriate fail-safe, backup, redundancy, and other measures to ensure its safe use. Oracle Corporation and its affiliates disclaim any liability for any damages caused by use of this software or hardware in dangerous applications.

Oracle and Java are registered trademarks of Oracle and/or its affiliates. Other names may be trademarks of their respective owners.

Intel and Intel Xeon are trademarks or registered trademarks of Intel Corporation. All SPARC trademarks are used under license and are trademarks or registered trademarks of SPARC International, Inc. AMD, Opteron, the AMD logo, and the AMD Opteron logo are trademarks or registered trademarks of Advanced Micro Devices. UNIX is a registered trademark of The Open Group.

This software or hardware and documentation may provide access to or information on content, products, and services from third parties. Oracle Corporation and its affiliates are not responsible for and expressly disclaim all warranties of any kind with respect to third-party content, products, and services. Oracle Corporation and its affiliates will not be responsible for any loss, costs, or damages incurred due to your access to or use of third-party content, products, or services.

Value-Added Reseller (VAR) Language

Oracle Retail VAR Applications

The following restrictions and provisions only apply to the programs referred to in this section and licensed to you. You acknowledge that the programs may contain third party software (VAR applications) licensed to Oracle. Depending upon your product and its version number, the VAR applications may include:

(i) the **MicroStrategy** Components developed and licensed by MicroStrategy Services Corporation (MicroStrategy) of McLean, Virginia to Oracle and imbedded in the MicroStrategy for Oracle Retail Data Warehouse and MicroStrategy for Oracle Retail Planning & Optimization applications.

(ii) the **Wavelink** component developed and licensed by Wavelink Corporation (Wavelink) of Kirkland, Washington, to Oracle and imbedded in Oracle Retail Mobile Store Inventory Management.

(iii) the software component known as **Access Via™** licensed by Access Via of Seattle, Washington, and imbedded in Oracle Retail Signs and Oracle Retail Labels and Tags.

(iv) the software component known as **Adobe Flex™** licensed by Adobe Systems Incorporated of San Jose, California, and imbedded in Oracle Retail Promotion Planning & Optimization application.

You acknowledge and confirm that Oracle grants you use of only the object code of the VAR Applications. Oracle will not deliver source code to the VAR Applications to you. Notwithstanding any other term or condition of the agreement and this ordering document, you shall not cause or permit alteration of any VAR Applications. For purposes of this section, "alteration" refers to all alterations, translations, upgrades, enhancements, customizations or modifications of all or any portion of the VAR Applications including all reconfigurations, reassembly or reverse assembly, re-engineering or reverse engineering and recompilations or reverse compilations of the VAR Applications or any derivatives of the VAR Applications. You

acknowledge that it shall be a breach of the agreement to utilize the relationship, and/or confidential information of the VAR Applications for purposes of competitive discovery.

The VAR Applications contain trade secrets of Oracle and Oracle's licensors and Customer shall not attempt, cause, or permit the alteration, decompilation, reverse engineering, disassembly or other reduction of the VAR Applications to a human perceivable form. Oracle reserves the right to replace, with functional equivalent software, any of the VAR Applications in future releases of the applicable program.

Contents

Send Us Your Comments vii

Preface ix

Audience ix
Documentation Accessibility ix
Related Documents ix
Customer Support ix
Review Patch Documentation x
Oracle Retail Documentation on the Oracle Technology Network x
Conventions x

1 Introduction

2 Installation and Setup

Installation and Setup Instructions 2-1
Installation Prerequisite 2-1
Prepare the WebLogic Server 2-2
Creating a WebLogic Domain with ADF Runtime Libraries 2-5
Verify Installation of ADF Runtime Libraries 2-14
Extending an existing domain to add ADF run-time libraries 2-15
Deploying the EAR File 2-21
Create a New Data Source 2-21
Deploy EAR 2-26
Security Setup Guidelines 2-32
Add Users to the Server 2-32
Create and Configure Role for the Deployed tool 2-34
Create and Configure Policy to the Deployed Tool 2-38
Testing the Deployment 2-41

3 Navigation and Help

Log in to RIHA 3-1
Search for a Hospital Record 3-2
Basic Search 3-2
Advanced Search 3-3
Delete a Message 3-4
Stop a Message 3-4
Retry a Message 3-4
View a Message 3-4
Partial Tree View 3-5
Full Tree View 3-5
Flat View 3-5
Search Within a Message 3-6

Edit a Message 3-6
Validate a Message 3-6
Save a Message Locally 3-6
Import a New Hospital Record to Hospital Tables 3-7
Update an Existing Hospital Record 3-7
View Hospital Record Details 3-8
View the Error History of a Message 3-9
View the Hospital Reference Information of a Message 3-9
View the Routing Information of a Message 3-10

Glossary

Send Us Your Comments

Oracle® Retail Integration Bus Hospital Administration Guide, Release 13.2.6

Oracle welcomes customers' comments and suggestions on the quality and usefulness of this document.

Your feedback is important, and helps us to best meet your needs as a user of our products. For example:

- Are the implementation steps correct and complete?
- Did you understand the context of the procedures?
- Did you find any errors in the information?
- Does the structure of the information help you with your tasks?
- Do you need different information or graphics? If so, where, and in what format?
- Are the examples correct? Do you need more examples?

If you find any errors or have any other suggestions for improvement, then please tell us your name, the name of the company who has licensed our products, the title and part number of the documentation and the chapter, section, and page number (if available).

> **Note:** Before sending us your comments, you might like to check that you have the latest version of the document and if any concerns are already addressed. To do this, access the Online Documentation available on the Oracle Technology Network Web site. It contains the most current Documentation Library plus all documents revised or released recently.

Send your comments to us using the electronic mail address: retail-doc_us@oracle.com

Please give your name, address, electronic mail address, and telephone number (optional).

If you need assistance with Oracle software, then please contact your support representative or Oracle Support Services.

If you require training or instruction in using Oracle software, then please contact your Oracle local office and inquire about our Oracle University offerings. A list of Oracle offices is available on our Web site at http://www.oracle.com.

Preface

The Oracle Retail Integration Bus Hospital Administration Guide describes the application user interface and how to navigate through it.

Audience

This document is intended for the users and administrators of Oracle RIB Hospital Administration. This may include merchandisers, buyers, and business analysts.

Documentation Accessibility

For information about Oracle's commitment to accessibility, visit the Oracle Accessibility Program website at http://www.oracle.com/pls/topic/lookup?ctx=acc&id=docacc.

Access to Oracle Support

Oracle customers have access to electronic support through My Oracle Support. For information, visit http://www.oracle.com/pls/topic/lookup?ctx=acc&id=info or visit http://www.oracle.com/pls/topic/lookup?ctx=acc&id=trs if you are hearing impaired.

Related Documents

For more information, see the following documents in the Oracle Retail Integration Bus 13.2.6 documentation set:

- *Oracle Retail Integration Bus Installation Guide*
- *Oracle Retail Integration Bus Release Notes*
- *Oracle Retail Functional Artifacts Generator Guide*
- *Oracle Retail Service-Oriented Architecture Enabler Tool Guide*

Customer Support

To contact Oracle Customer Support, access My Oracle Support at the following URL:

https://support.oracle.com

When contacting Customer Support, please provide the following:

- Product version and program/module name
- Functional and technical description of the problem (include business impact)
- Detailed step-by-step instructions to re-create
- Exact error message received
- Screen shots of each step you take

Review Patch Documentation

When you install the application for the first time, you install either a base release (for example, 13.2) or a later patch release (for example, 13.2.3). If you are installing the base release, additional patch, and bundled hot fix releases, read the documentation for all releases that have occurred since the base release before you begin installation. Documentation for patch and bundled hot fix releases can contain critical information related to the base release, as well as information about code changes since the base release.

Oracle Retail Documentation on the Oracle Technology Network

Documentation is packaged with each Oracle Retail product release. Oracle Retail product documentation is also available on the following Web site:

`http://www.oracle.com/technology/documentation/oracle_retail.html`

(Data Model documents are not available through Oracle Technology Network. These documents are packaged with released code, or you can obtain them through My Oracle Support.)

Documentation should be available on this Web site within a month after a product release.

Conventions

The following text conventions are used in this document:

Convention	Meaning
boldface	Boldface type indicates graphical user interface elements associated with an action, or terms defined in text or the glossary.
italic	Italic type indicates book titles, emphasis, or placeholder variables for which you supply particular values.
`monospace`	Monospace type indicates commands within a paragraph, URLs, code in examples, text that appears on the screen, or text that you enter.

1
Introduction

Oracle Retail Integration Bus Hospital Administration or RIB Hospital Administration (RIHA) is a tool to manage RIB messages in the RIB hospital error tables.

Using RIHA you can search for hospital records, stop a message from being retried, retry a message for which maximum system-set retries have been tried, and delete a message from the tables. You can insert new records into hospital tables. You can also update existing hospital records and message payloads.

RIHA should be installed only after core RIB components have been installed and verified. For each RIB-<app>, the riha-<app> ear file must be deployed separately and the tool can be accessed using a browser.

Using RIHA is the recommended way to perform all RIB Hospital error table operations.

2

Installation and Setup

The RIHA installation chapter widely focuses on ADF 11g runtime installation and deploying the tool's EAR file. For more information about domain creation and other server related information, see the WebLogic application server documents.

Installation and Setup Instructions

This section describes the installation and setup instructions including the installation prerequisite, preparing the WebLogic server, creating a WebLogic domain, verifying installation of ADF runtime libraries, extending an existing domain to add ADF run-time libraries, and deploying the EAR file. It also describes the security setup guidelines.

> **Note:** The screen captures included in the following procedures are for example only. Because these procedures must be followed for each application, valid values will vary. Therefore, consider the illustrations as guides only; the values shown may not always apply.

Installation Prerequisite

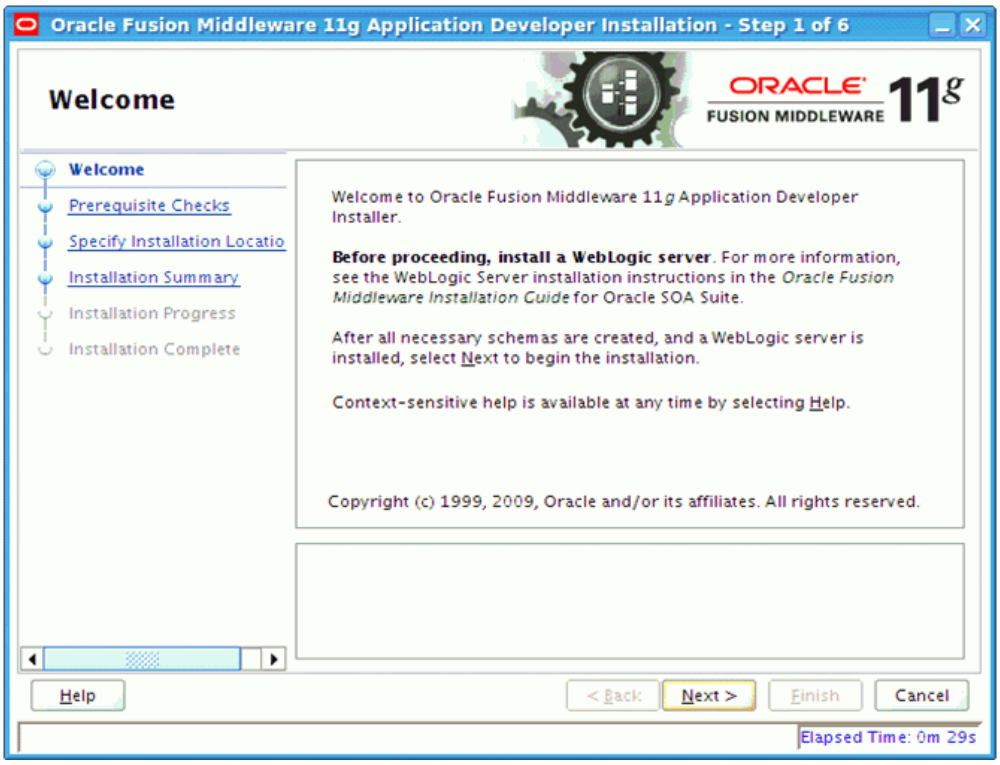
The RIB Hospital Administration(RIHA) requires Oracle WebLogic Server 11g Release 3 (10.3.6) and built with Java 6 (JDK 1.6.0_18+ 64 bit or Jrockit 1.6 R28 build or later, within the 1.6 code line. 64 bit, for Linux and Solaris OS only).

> **Important:** If there is an existing WebLogic 10.3.3 installation on the server, you must upgrade WebLogic 10.3.3 to WebLogic 10.3.6. All middleware components associated with WebLogic server 10.3.3 should be upgraded to 11.1.1.6.
>
> Back up the weblogic.policy file ($WLS_HOME/wlserver_10.3/server/lib) before upgrading your WebLogic server, because this file could be overwritten. Copy over the weblogic.policy backup file after the WebLogic upgrade is finished and the post patching installation steps are completed.
>
> For general instructions on upgrading Weblogic, please refer to My Oracle Support document, "How to Upgrade from WebLogic11g 10.3.3 to WebLogic11g 10.3.4" (ID 1432575.1).

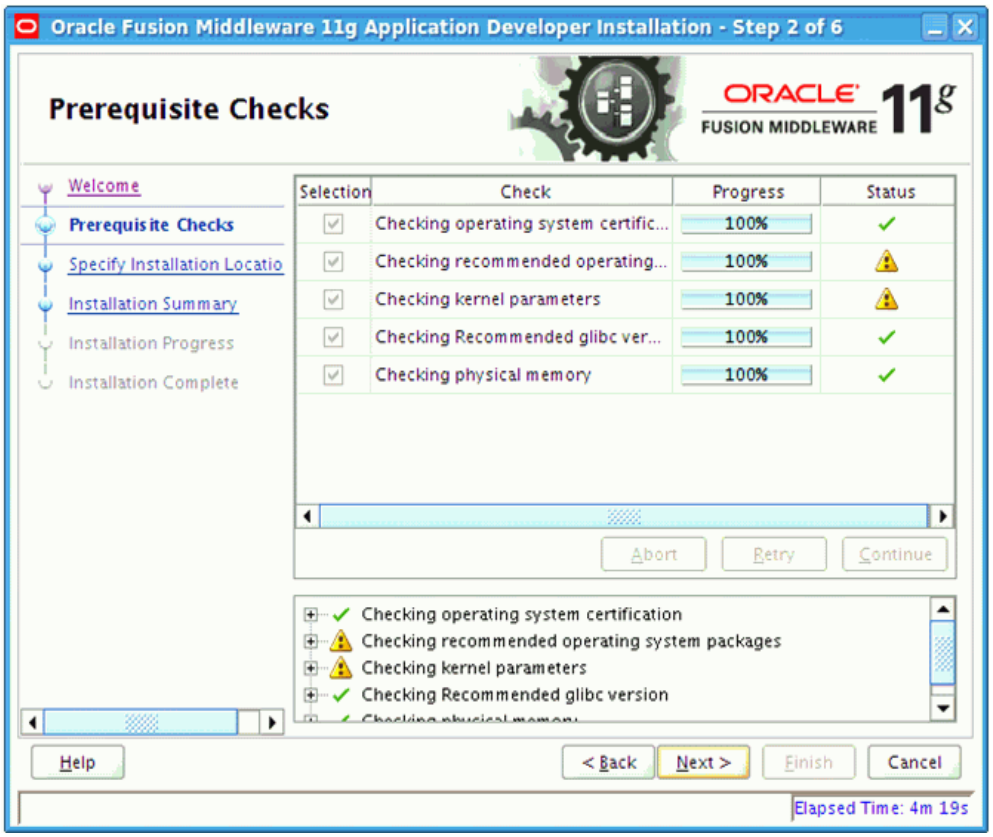
Prepare the WebLogic Server

To get the ADF runtime option while creating a domain, download the Application Development Runtime-11.1.1.6.0 from http://www.oracle.com/technetwork/index.html.

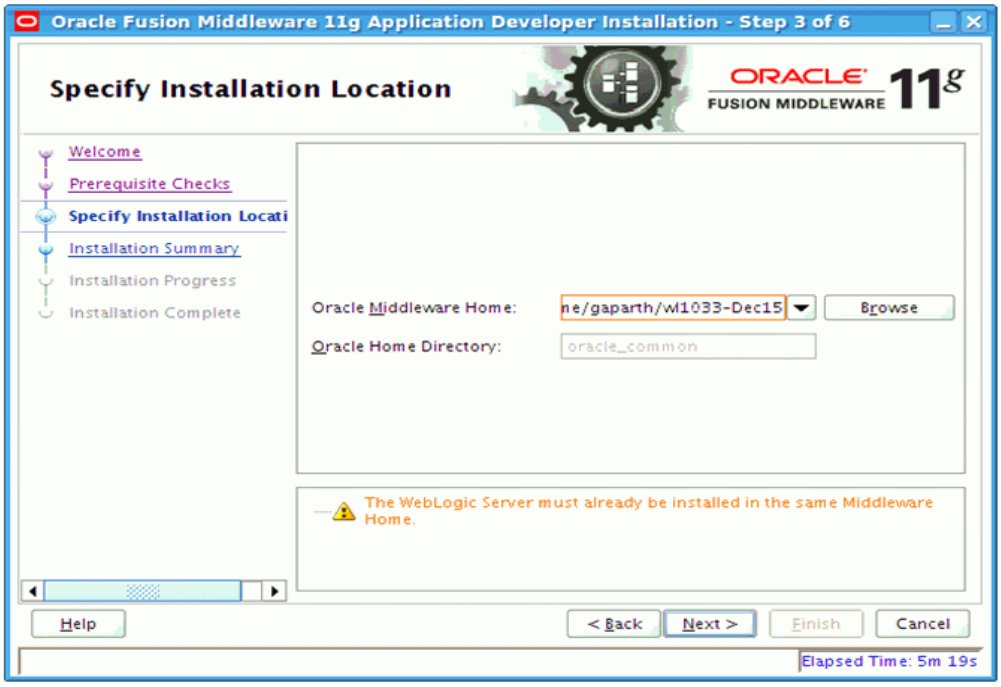
1. Unpack the downloaded Application Development Runtime-11.1.1.6.0 and run the installer. The Installer Welcome screen opens.



2. Click **Next**.
   - Installer performs the prerequisite checks and ensures all required prerequisites are met.

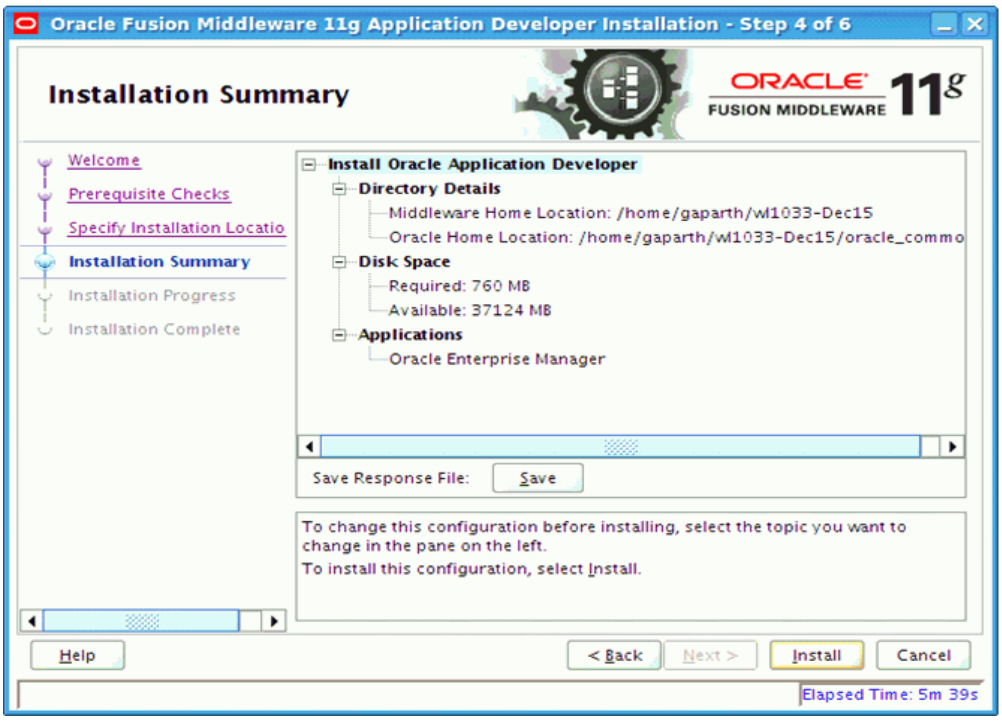


3. Click **Next**. The Specify Installation Location screen opens.

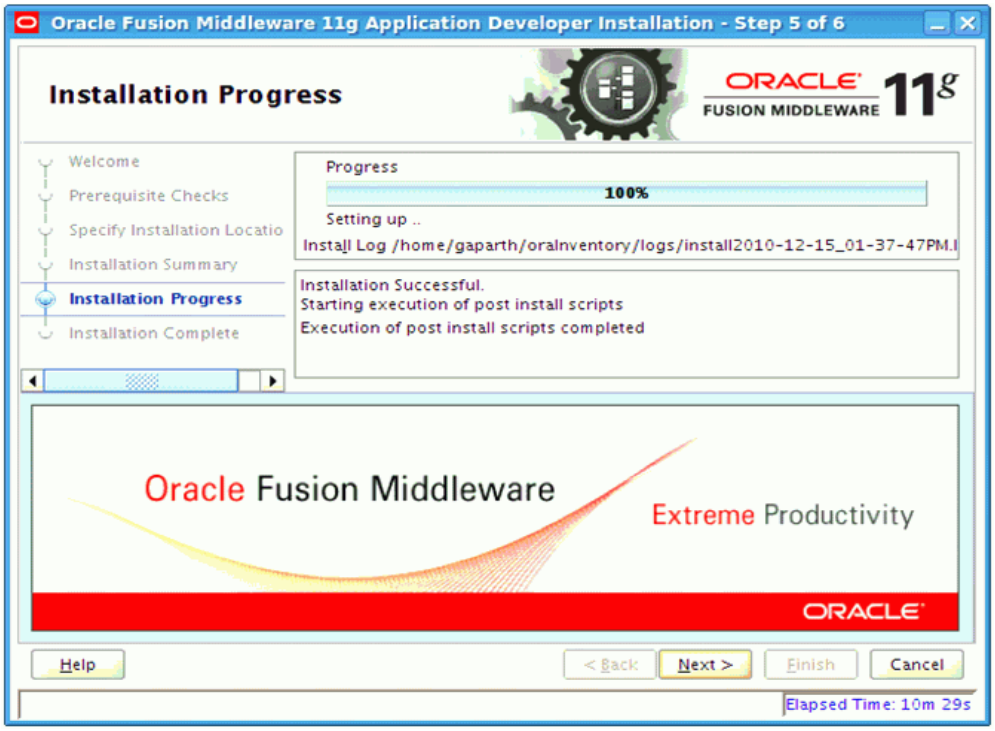


4. Select the Oracle Middleware Home from where the WebLogic server instance hosting RIHA applications will run.

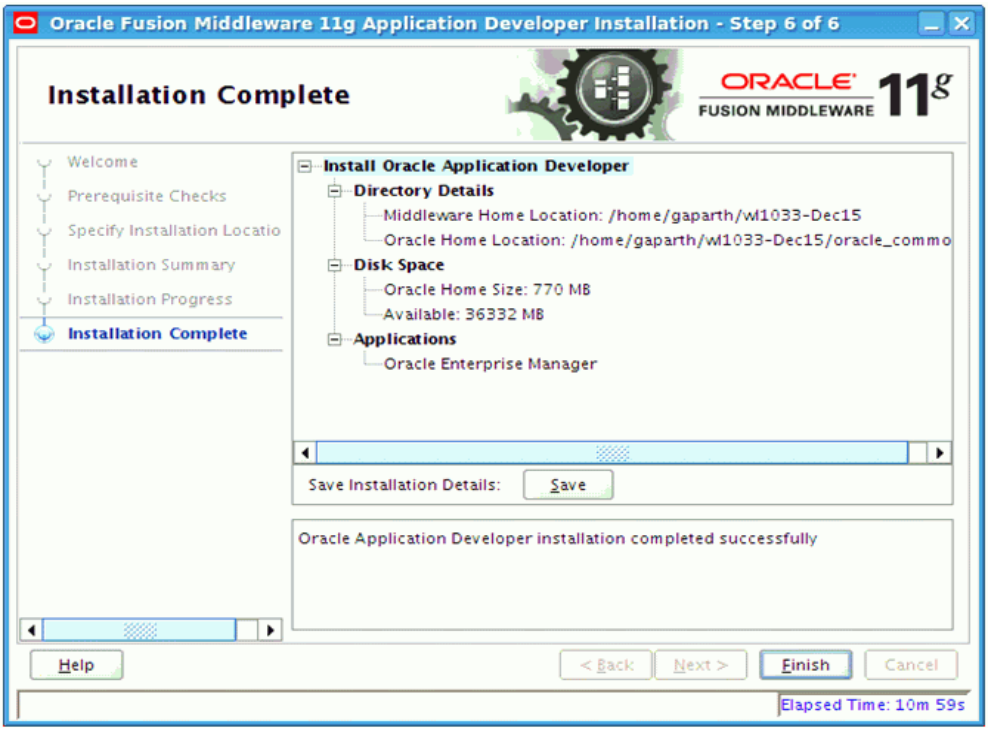
5. Click **Next**. The Installation Summary screen opens.



6. Click **Install**.
   - The installation progress is displayed.



7. Click **Next**. The Installation Complete screen opens once the installation is complete.

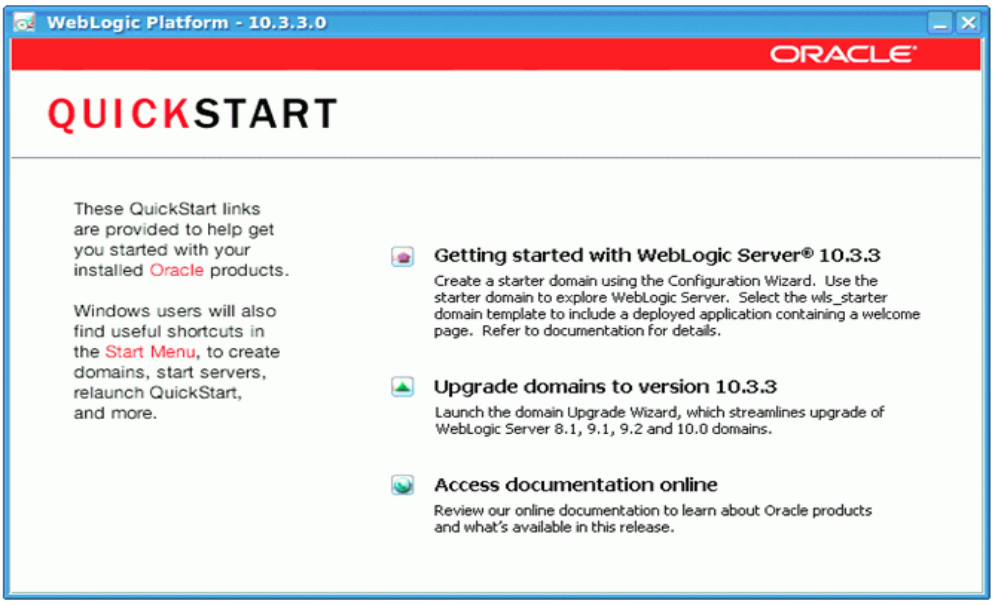


8. Click **Finish**.

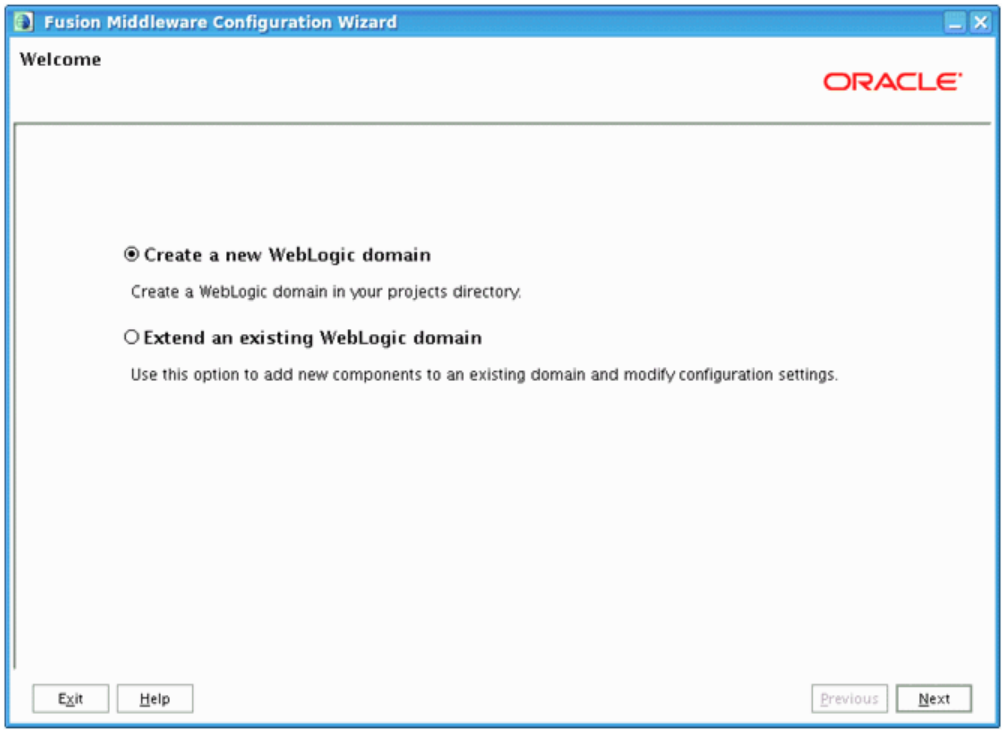
Creating a WebLogic Domain with ADF Runtime Libraries

This section describes the steps to create a new WebLogic domain with ADF runtime libraries.

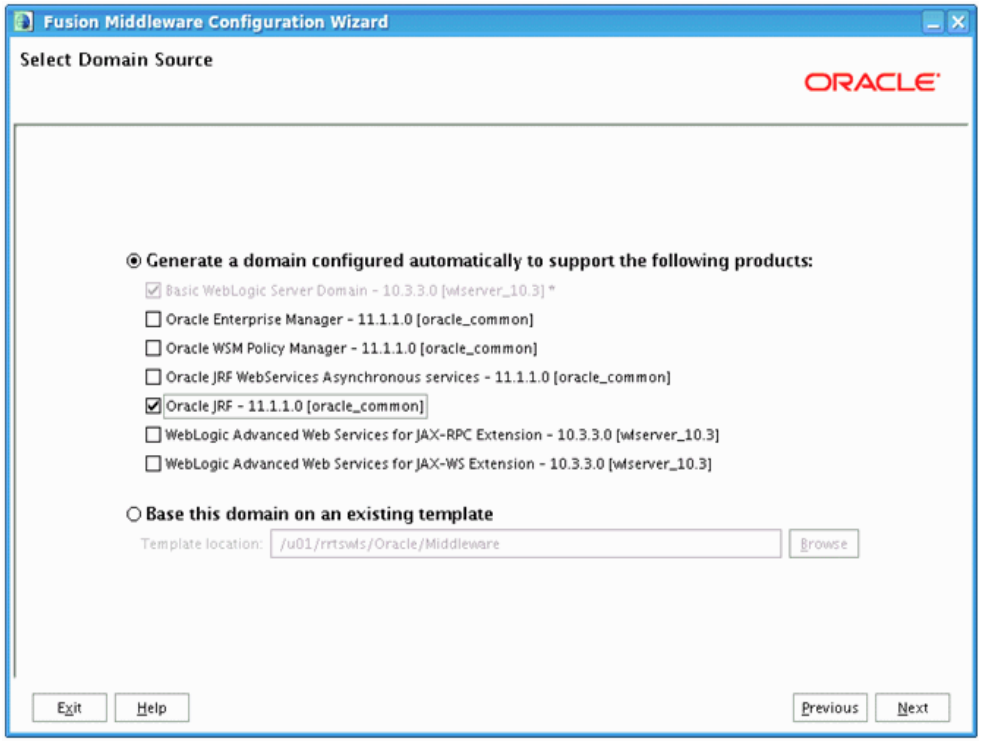
1. Run quick start from the Oracle Middleware home located under Utils folder.
   - The WebLogic Platform Quick Start screen opens.



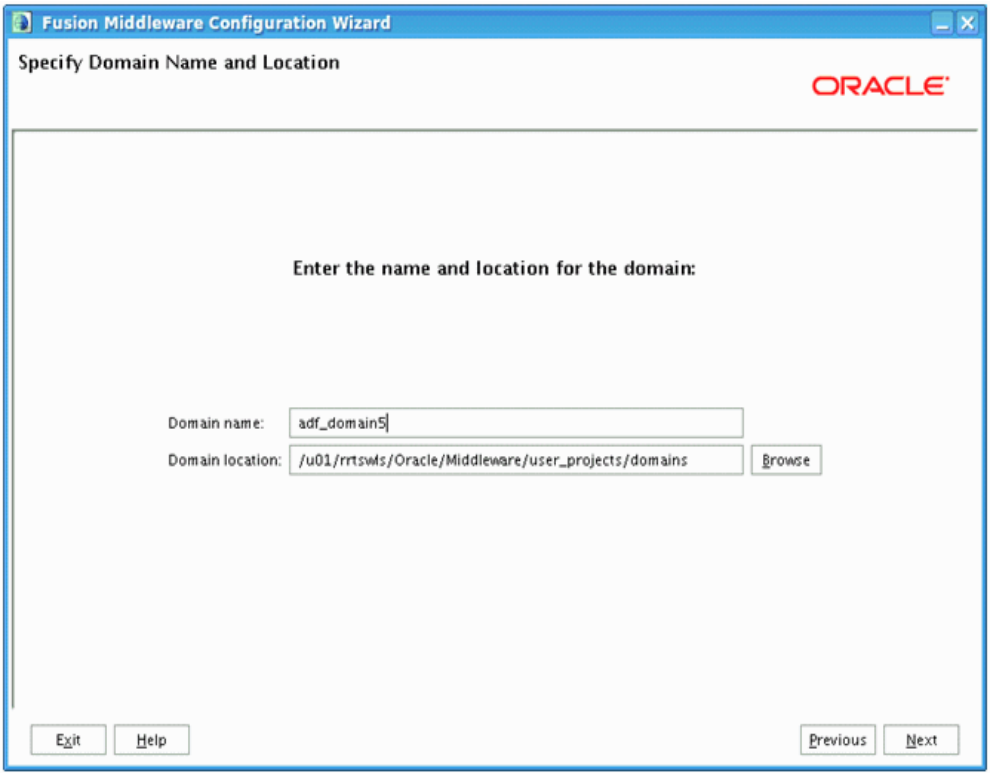
2. Select Getting started with WebLogic Server.
   - The Fusion Middleware Configuration Wizard opens.



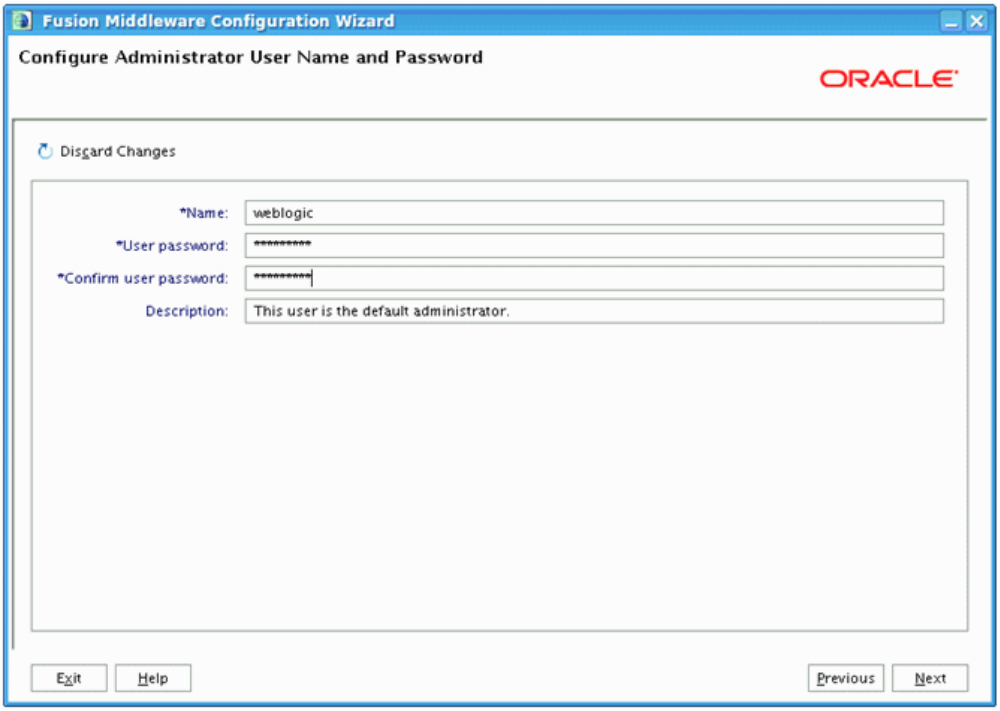
3. Select **Create a new WebLogic domain**. The domain source window screen opens.



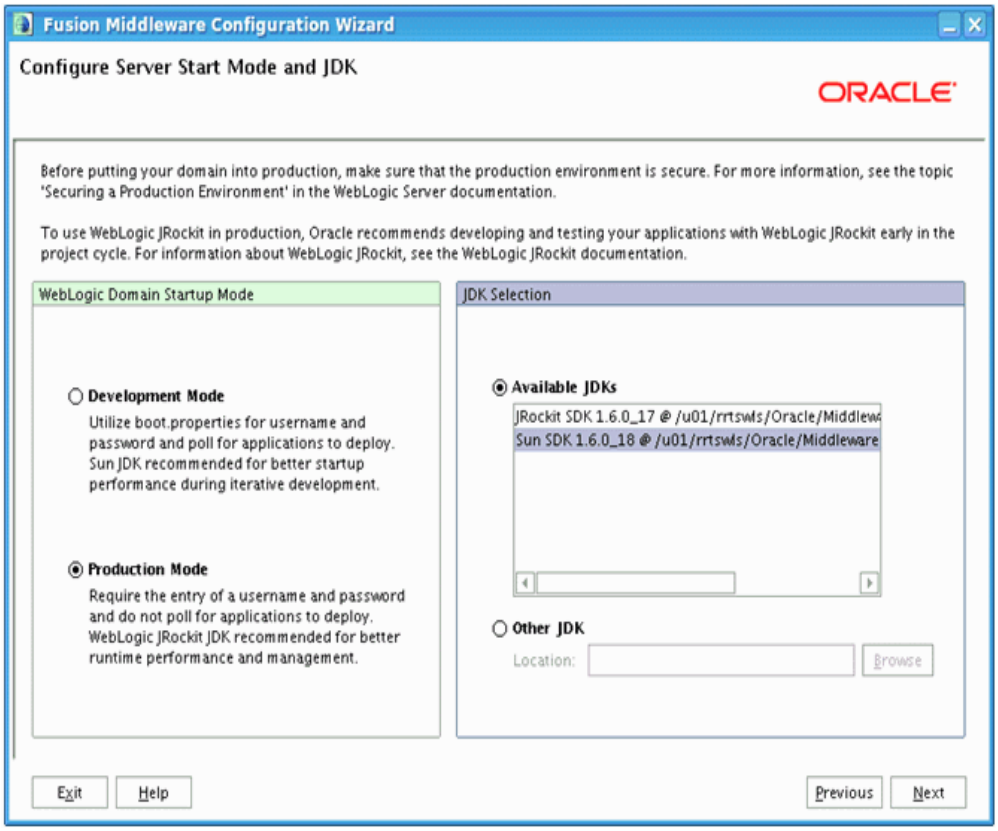
4. Select the Oracle JRF - 11.1.1.0 checkbox. Click **Next**.



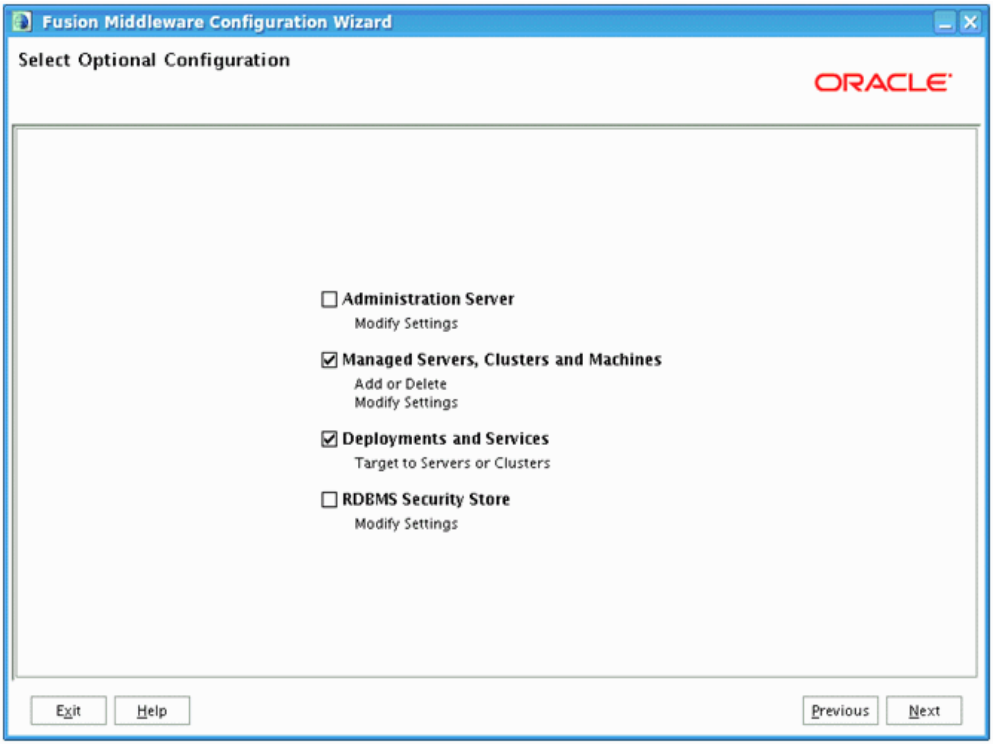
5. In the Domain name field, enter the domain name.
6. In the Domain location field, enter the domain location or click **Browse** to select a domain location.
7. Click **Next**.



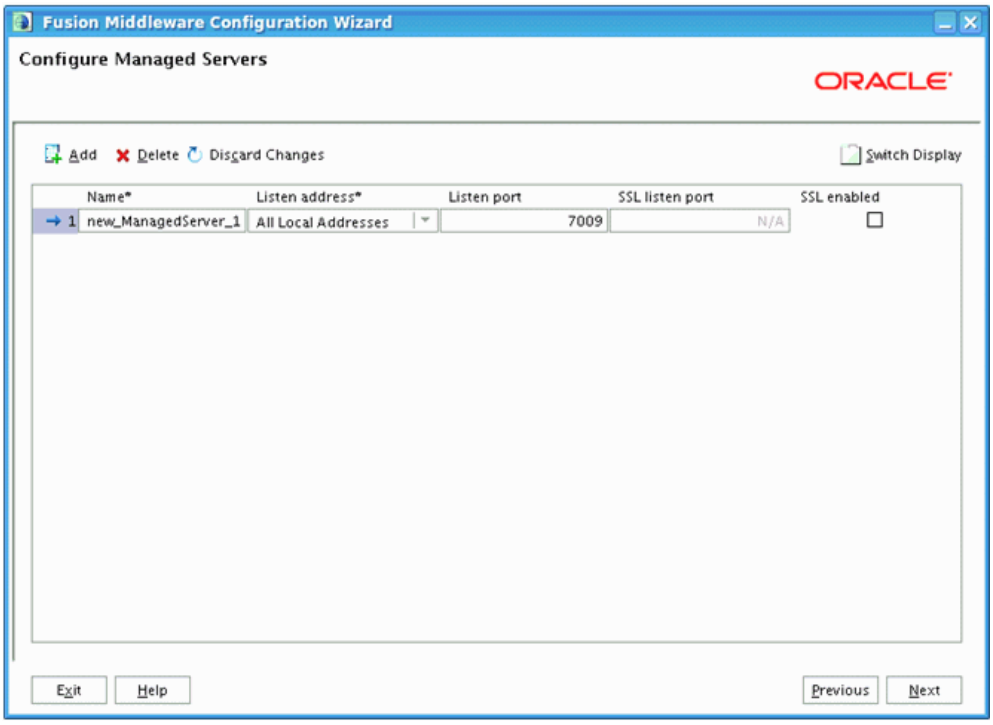
8. In the Name field, enter the user name.
9. In the User Password field, enter a password for the user.
10. In the Confirm user password field, enter the password again.
11. In the Description field, enter a description for the user (optional).
    - Click Discard Changes (above the Name field) to reset the fields.
12. Click **Next**. The server configuration screen opens.



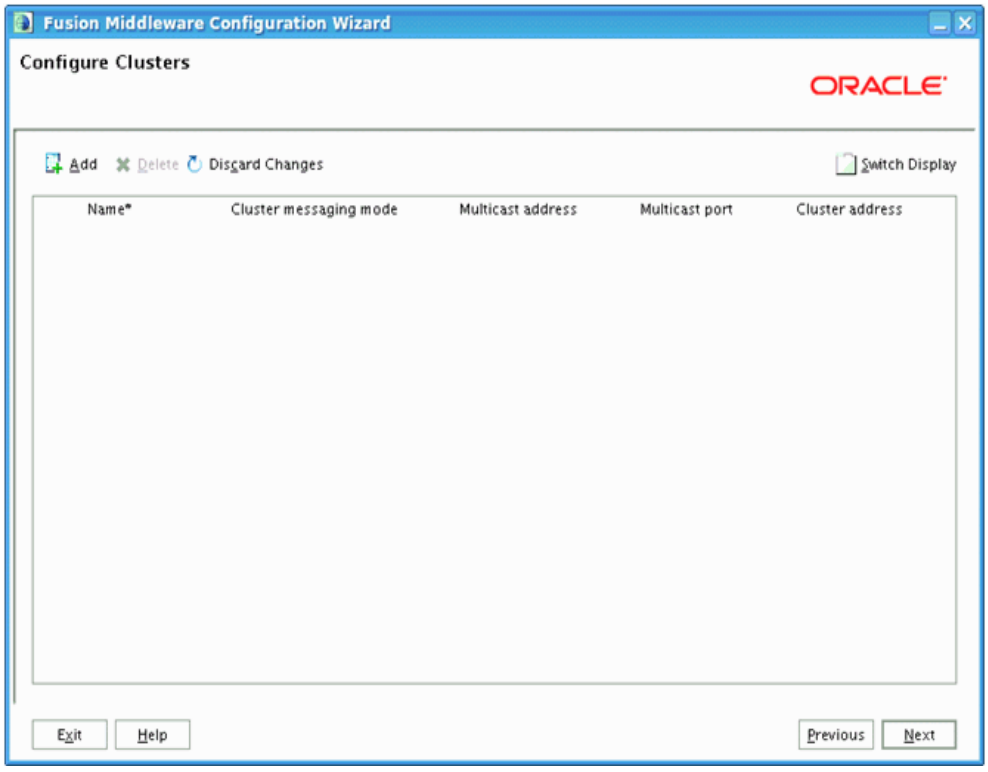
13. In the WebLogic Domain Startup Mode section, select Production Mode.
    - The available JDKs are listed in the JDK Selection section.
14. Select a JDK from the available JDKs.
    - Click Other JDK to browse and select a JDK of your choice.
15. Click **Next**. The Select Optional Configuration screen opens.



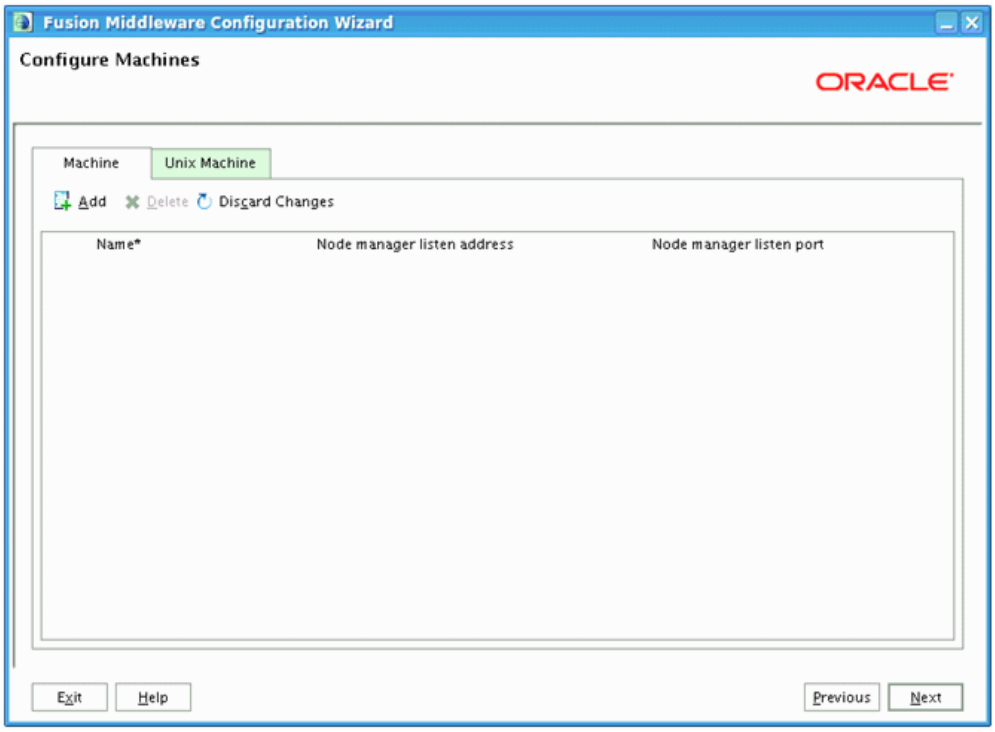
16. Select the Managed Servers, Clusters and Machines checkbox to add a managed server for the domain.
17. Select the Deployments and Services checkbox to add ADF runtime libraries to the managed server for the domain.
18. Click **Next**. The Configure Managed Servers screen opens.



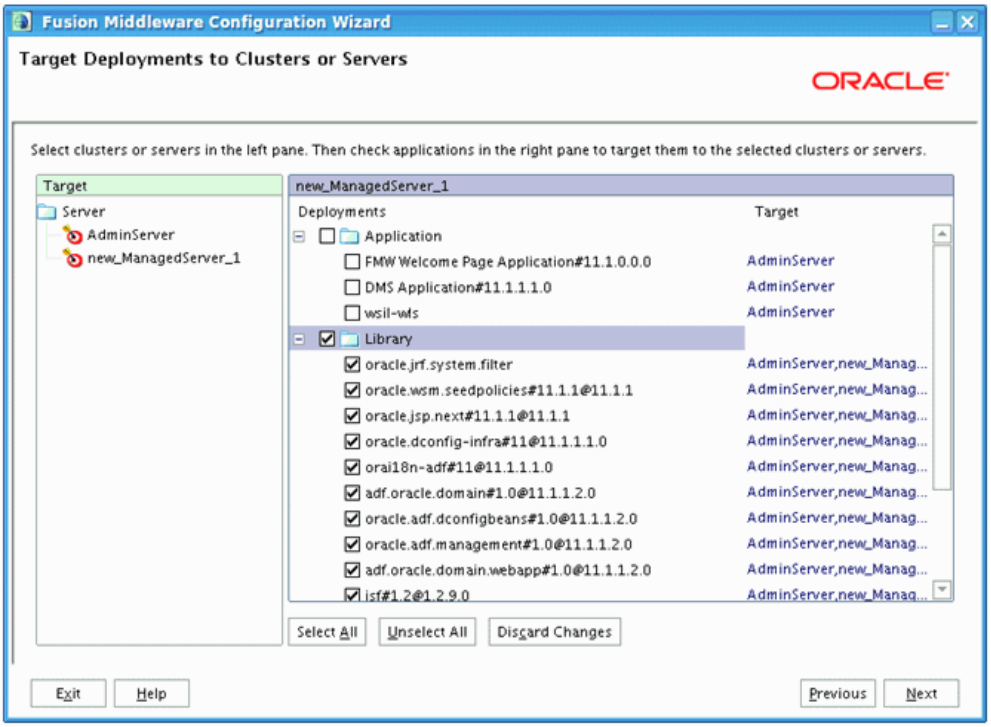
19. Click **Add** to add a managed server and edit the name and ports of the managed server.
20. Click **Next**. The Configure Clusters screen opens.



21. Click **Add** and configure the clusters if needed.
22. Click **Next**. The Configure Machines screen opens.

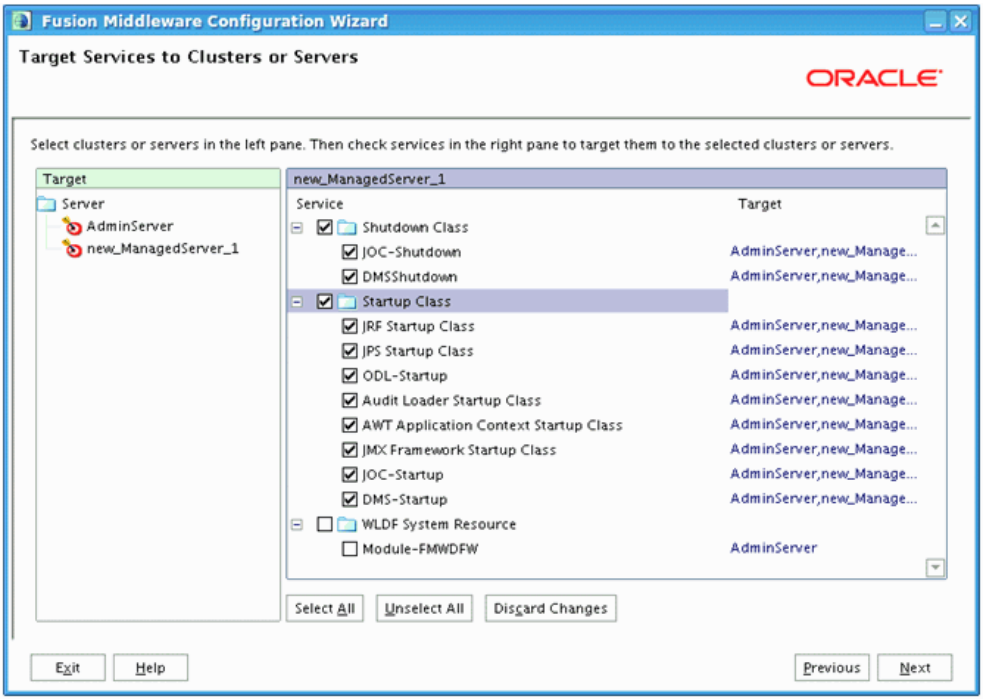


23. Click **Add** and configure the machines.
24. Click **Next**. The Target Deployments to Clusters or Servers screen opens.

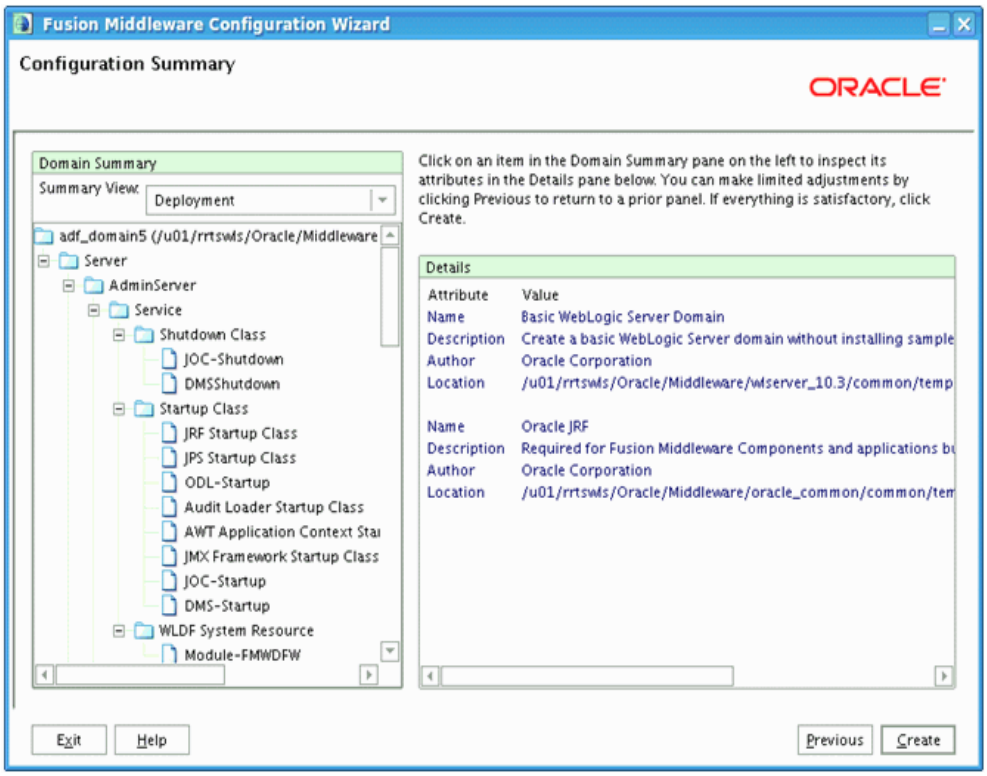


25. Select the created cluster or server (new_managedServer_1, in this example) in the left pane.

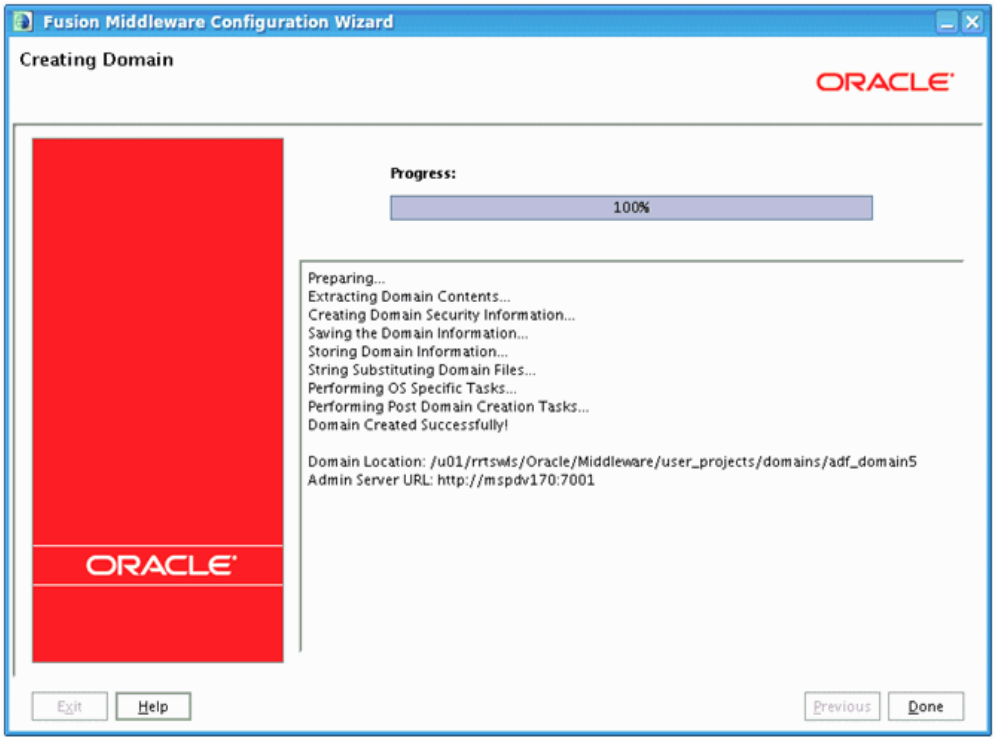
26. Select the applications in the right pane to target them to the selected cluster or server.
27. Click **Next**. The Target Services to Clusters or Services screen opens.



28. Select the clusters or servers in the left pane.
29. Select the services in the right pane to target them to the selected clusters or servers.
30. Click **Next**. The Configuration Summary screen opens.



31. Click **Create**. The Creating Domain screen opens.

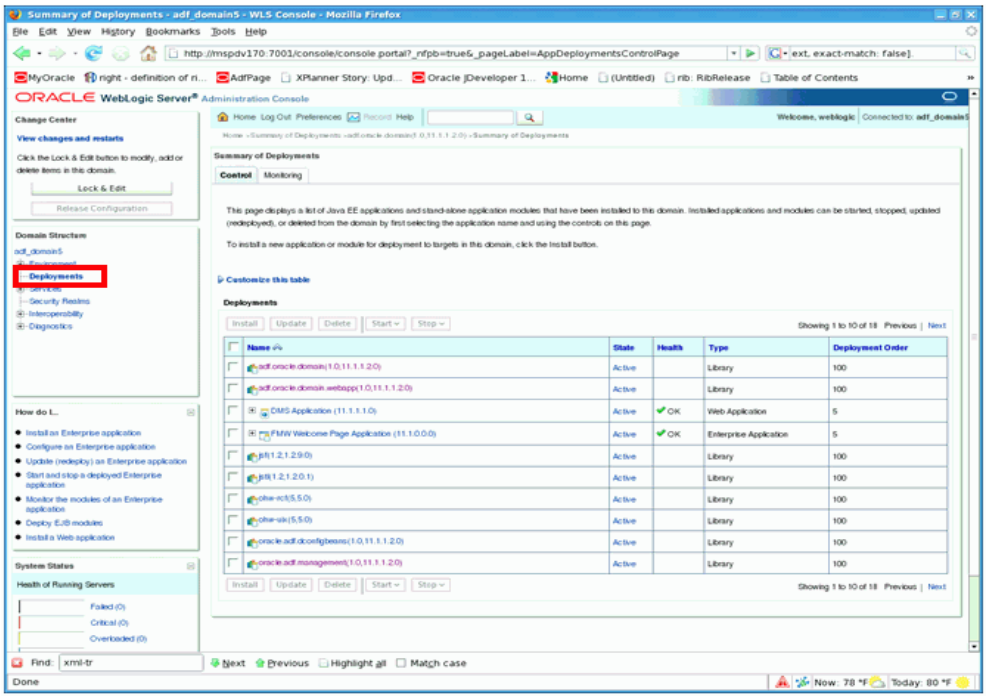


32. Click **Done**. The domain and managed servers with ADF runtime is created.

Verify Installation of ADF Runtime Libraries

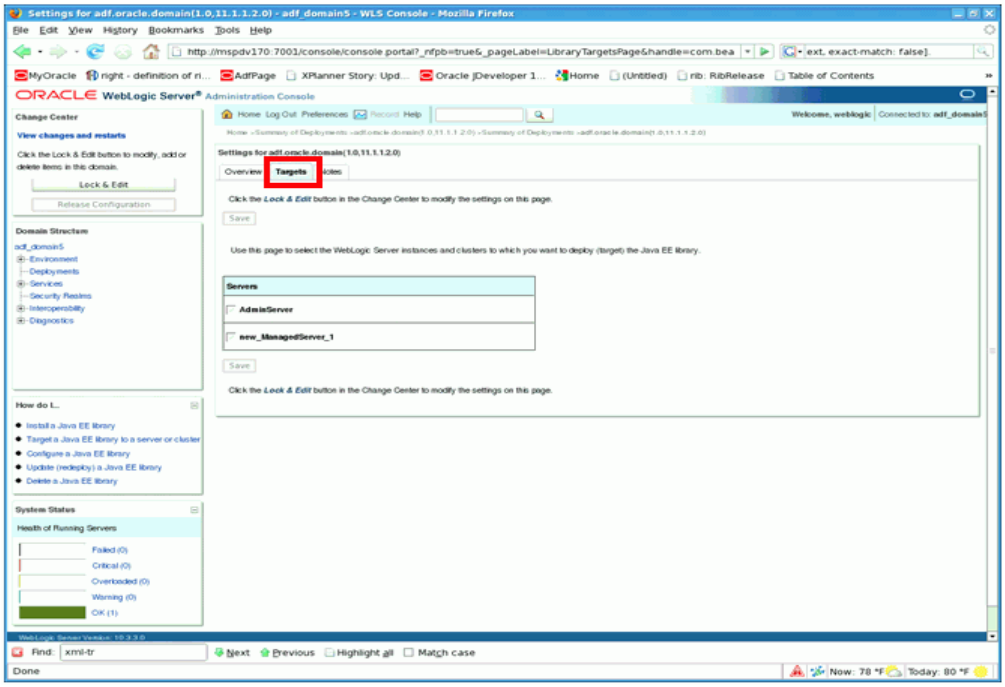
This section describes the steps to verify the installation of ADF runtime libraries.

1. Start the server and log on to the console.



2. In the Domain Structure section, click **Deployments**. The deployed libraries are listed.

3. Click on the ADF libraries.

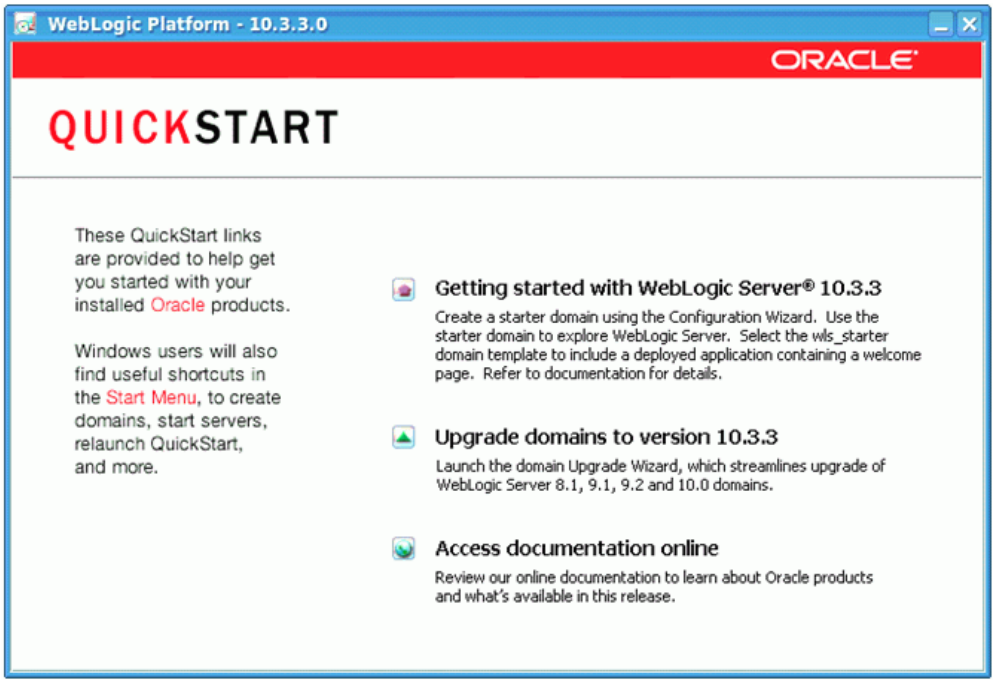


4. Click the **Targets** tab and verify that the created server is selected for that library.

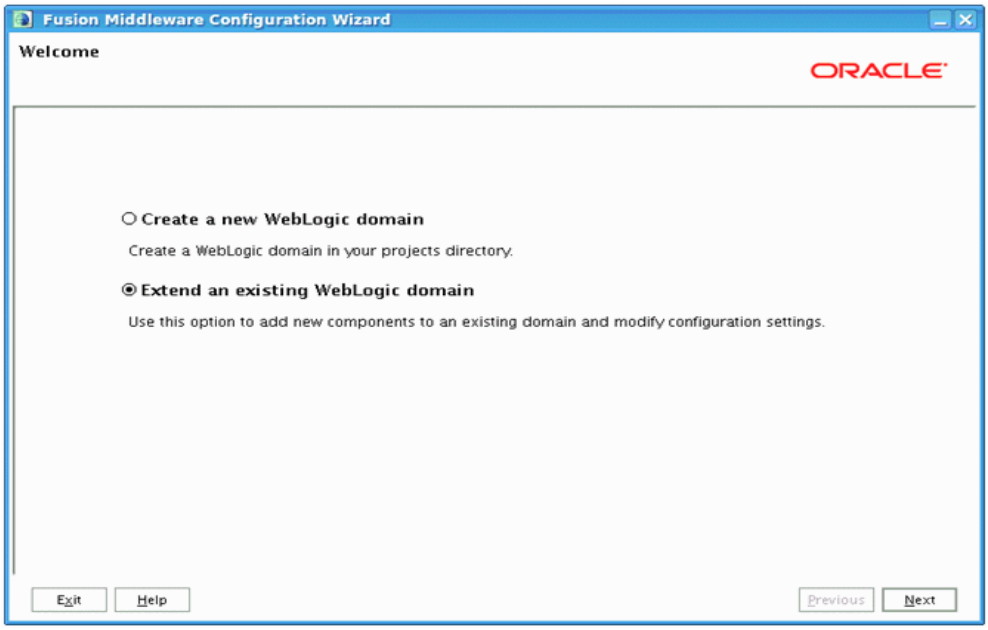
Extending an existing domain to add ADF run-time libraries

This section describes the steps to extend an existing domain to add ADF runtime libraries.

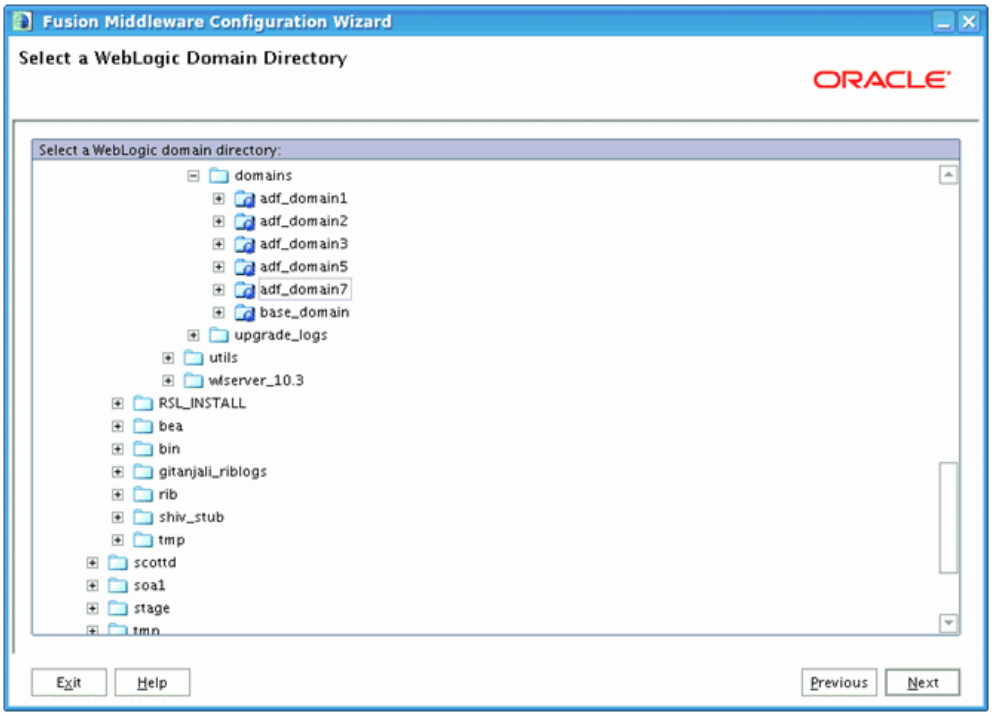
1. Run quick start from the Oracle Middleware home located under Utils folder.
   - The WebLogic Platform Quick Start screen opens.



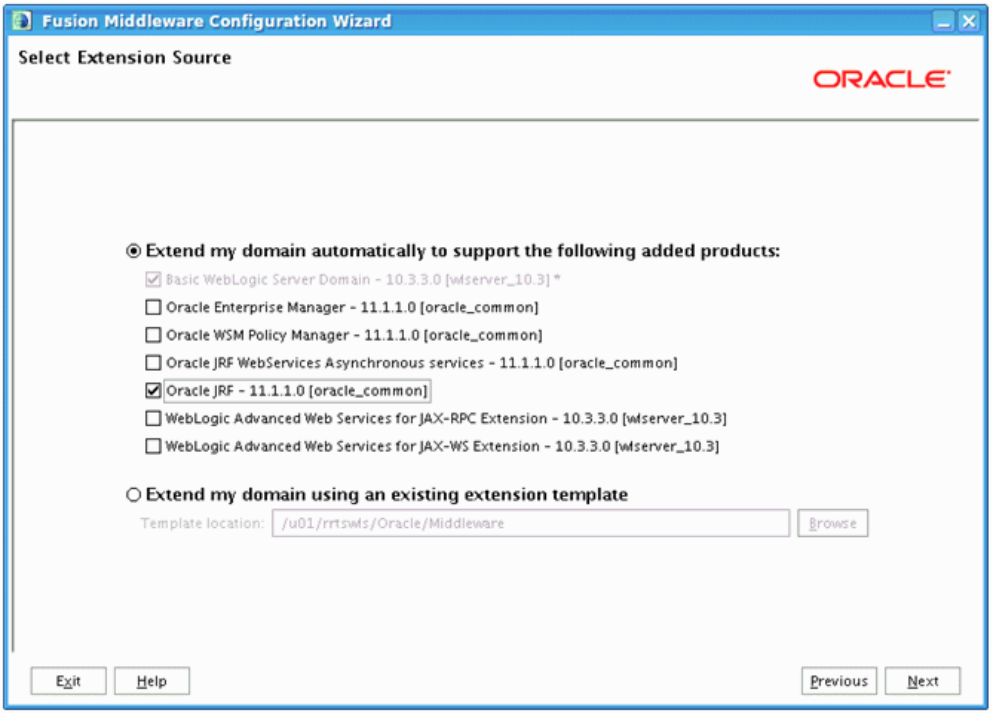
2. Select Getting started with WebLogic Server.
   - The Fusion Middleware Configuration Wizard opens.



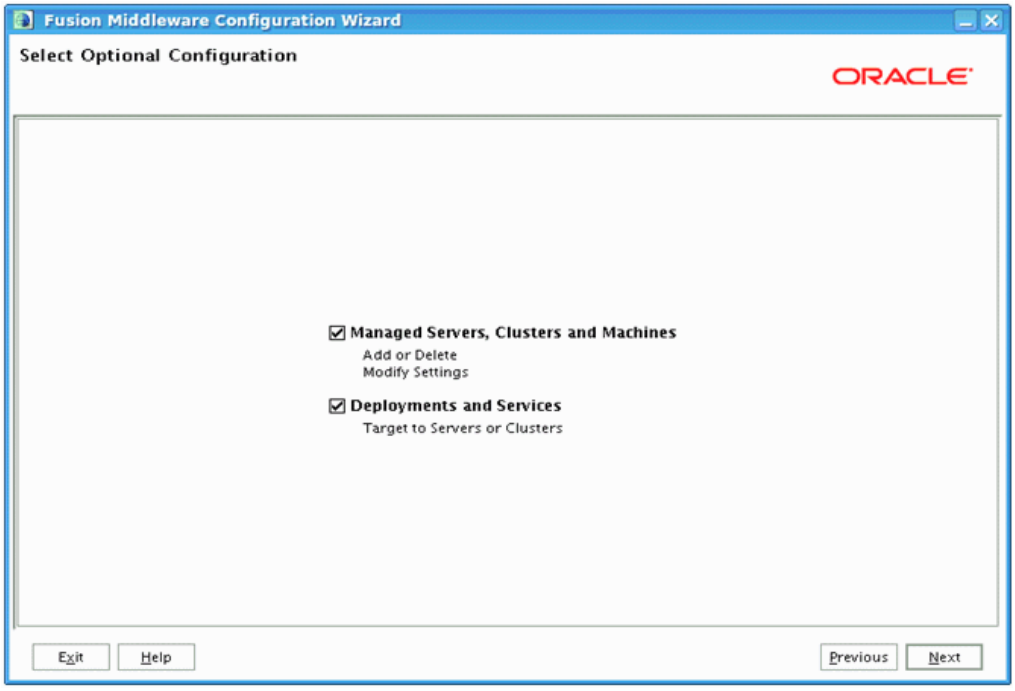
3. Select Extend an existing WebLogic domain.
4. Click **Next**. The Select a WebLogic Domain Directory screen opens.



5. Select the domain that requires ADF runtime libraries.
6. Click **Next**. The Select Extension Source screen opens.

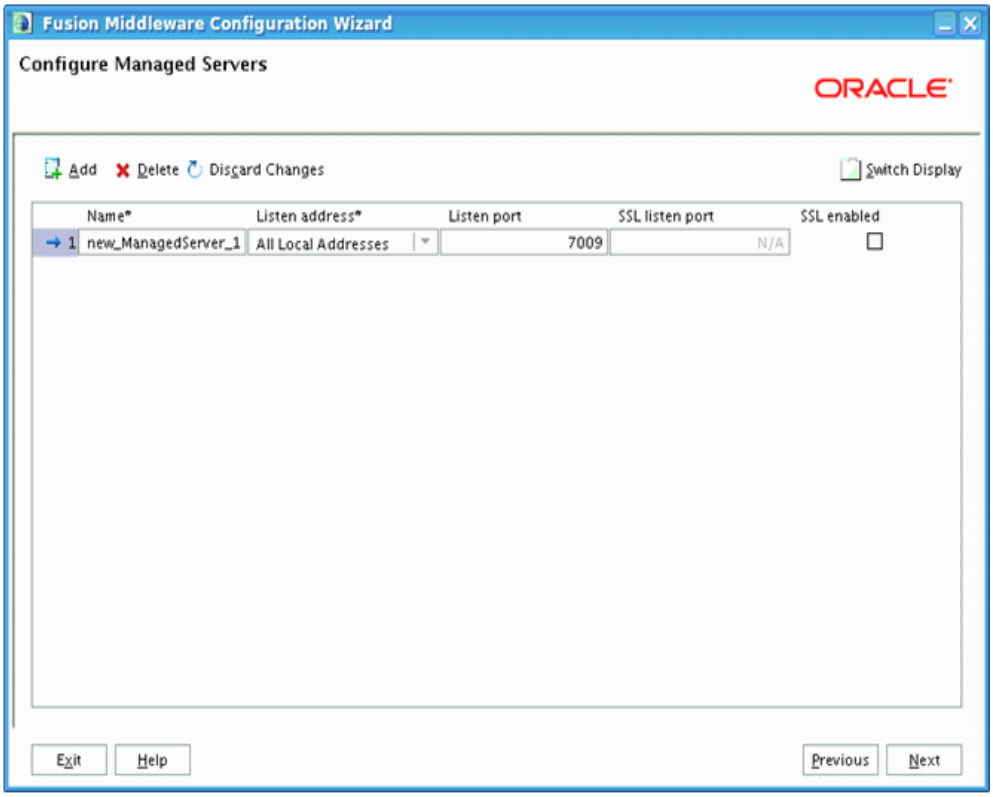


7. Select the Oracle JRF-11.1.1.0 checkbox to add ADF run-time libraries.
8. Click **Next**. The Select Optional Configuration screen opens.

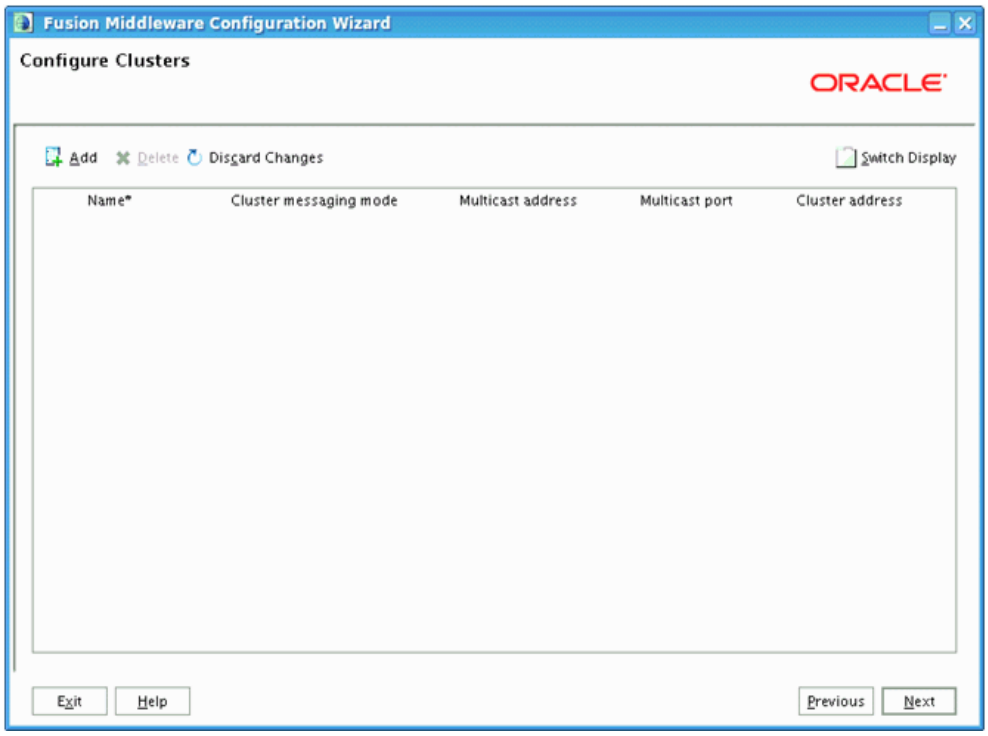


9. Select the Managed Servers Clusters and Machines checkbox to create managed servers, if a managed server needs to be created.
10. Select the Deployments and Services checkbox to add ADF run-time.

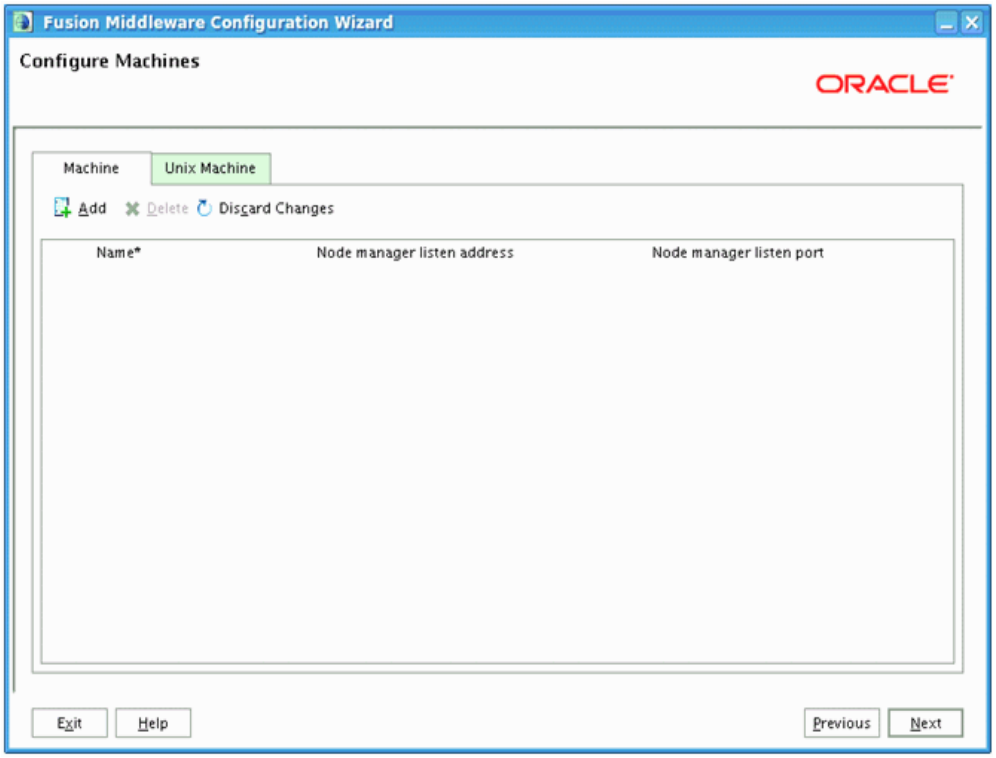
11. Click **Next**. The Configure Managed Servers screen opens.



12. Click **Add** to add a managed server and edit the name and ports of the managed server.
13. Click **Next**. The Configure Clusters screen opens.

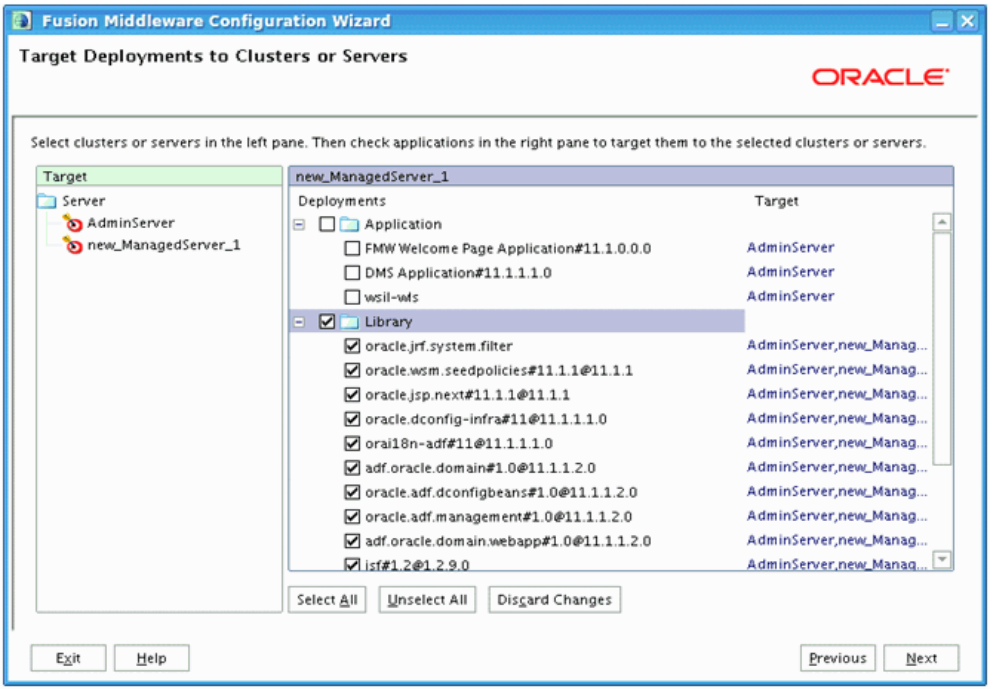


14. Click **Add** and configure the clusters if needed.
15. Click **Next**. The Configure Machines screen opens.

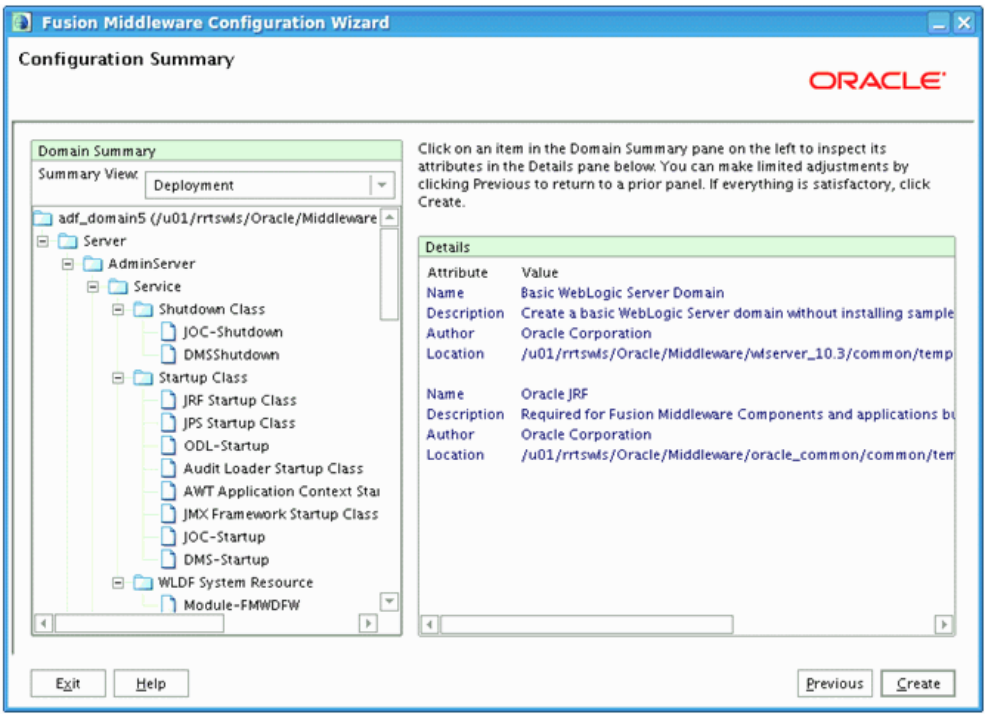


16. Click **Add** and configure the machines.

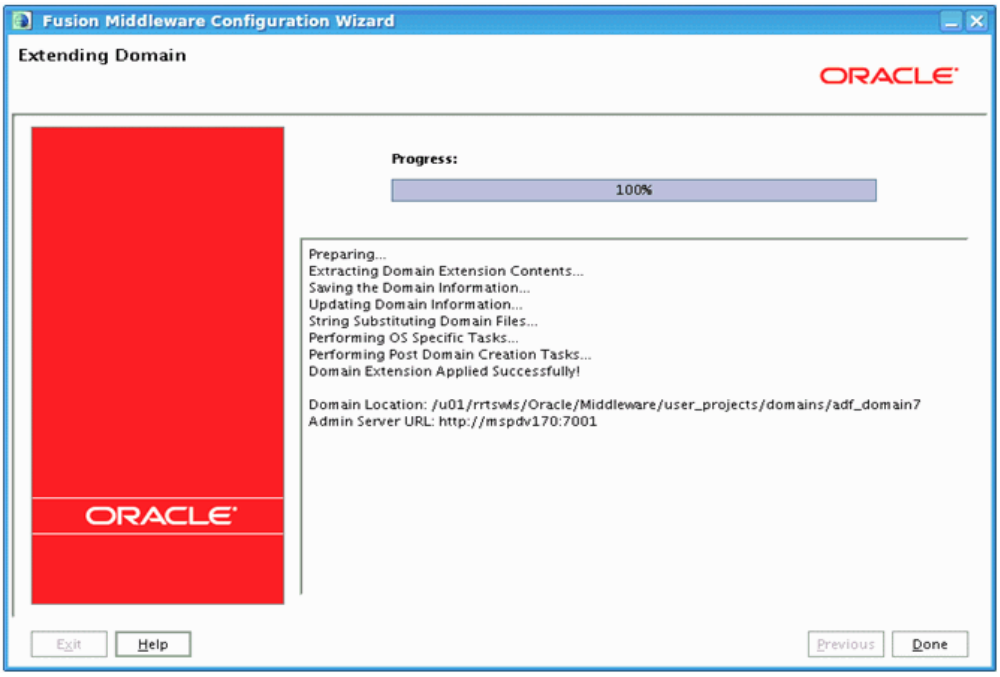
17. Click **Next**. The Target Deployments to Clusters or Servers screen opens.



18. Select the clusters or servers in the left pane.
19. Select the services in the right pane to target them to the selected clusters or servers.
20. Click **Next**. The Configuration Summary screen opens.



21. Click **Create**. The Extending Domain screen opens.



22. Click **Done**. The domain is extended to add ADF run-time libraries.

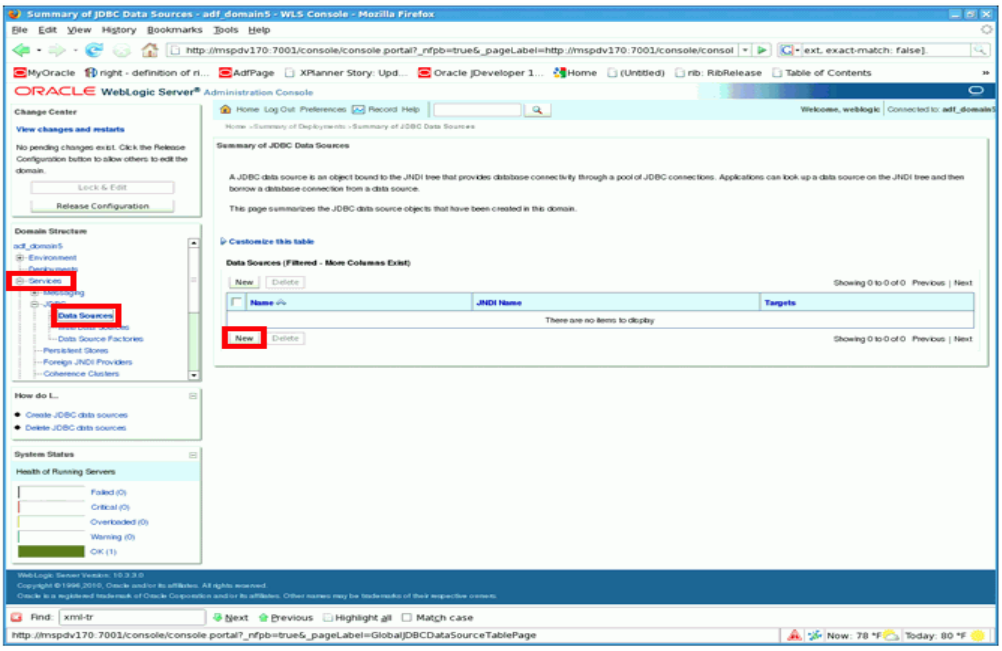
Deploying the EAR File

This section describes the steps to create a new data source and deploy the EAR file.

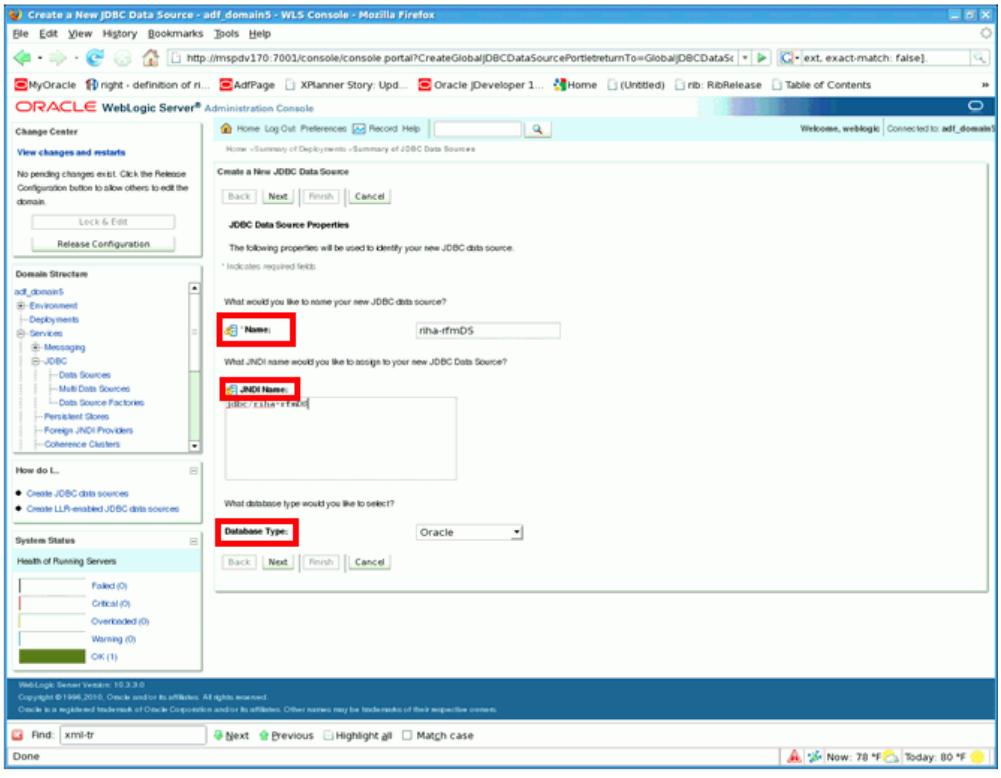
Create a New Data Source

To create a new data source, perform the following steps:

1. Log in to the WebLogic console as a user with permissions to create services and to deploy an EAR file.



2. In the left pane, under Domain Structure, click Services --> JDBC --> DataSources.
3. In the right pane, under Customize this table, click **New**.

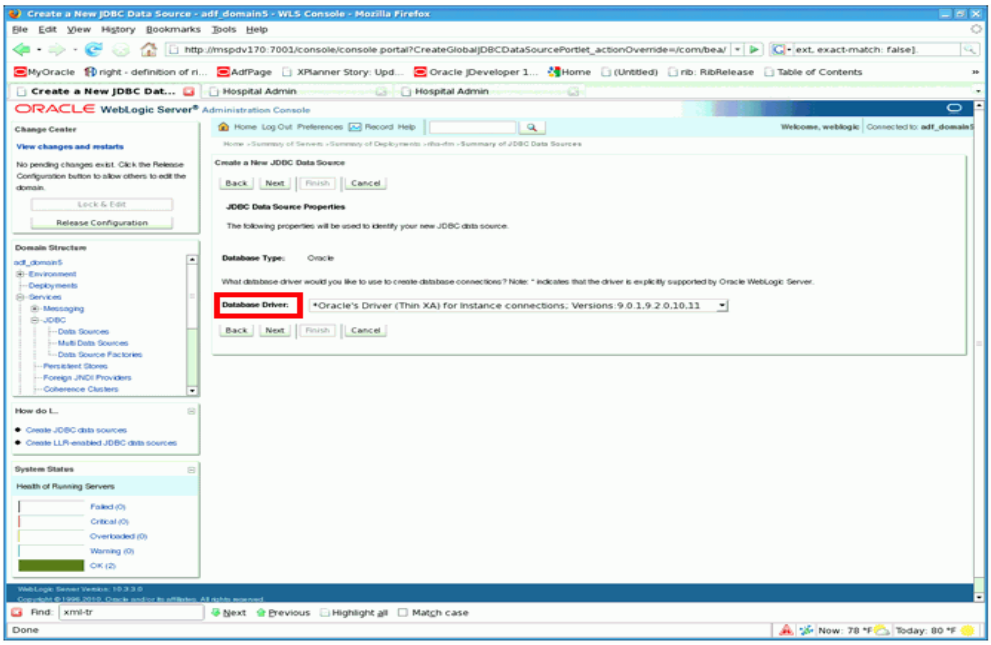


4. In the Name field, enter the new JDBC datasource name.
5. In the JNDI field, enter the JNDI name.

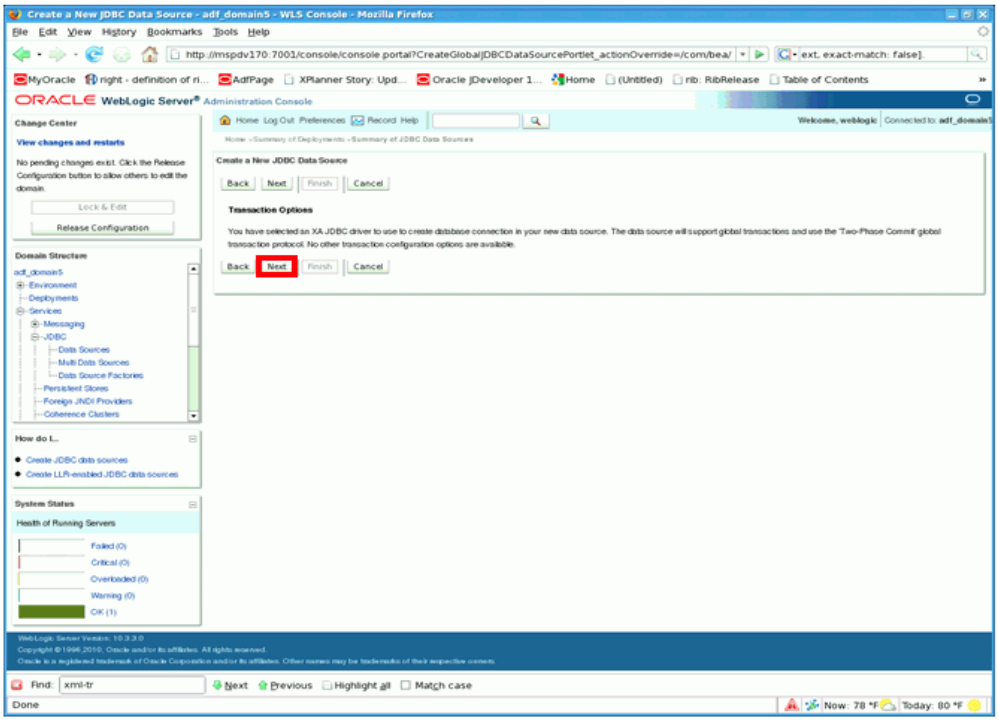
The JNDI name format is jdbc/riha-<app>DS, where <app> is the name of the retail application.

For example (for the Oracle Retail Mercandising System), jdbc/riha-rmsDS.

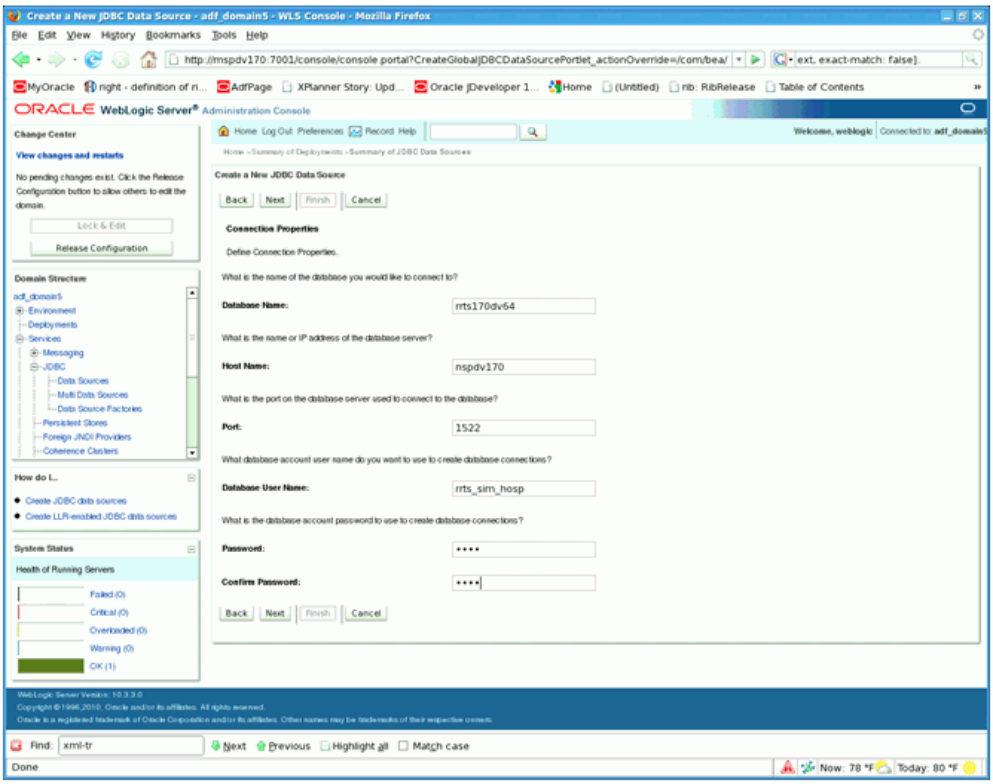
6. In the Database Type field, select the database type.
7. Click **Next**.



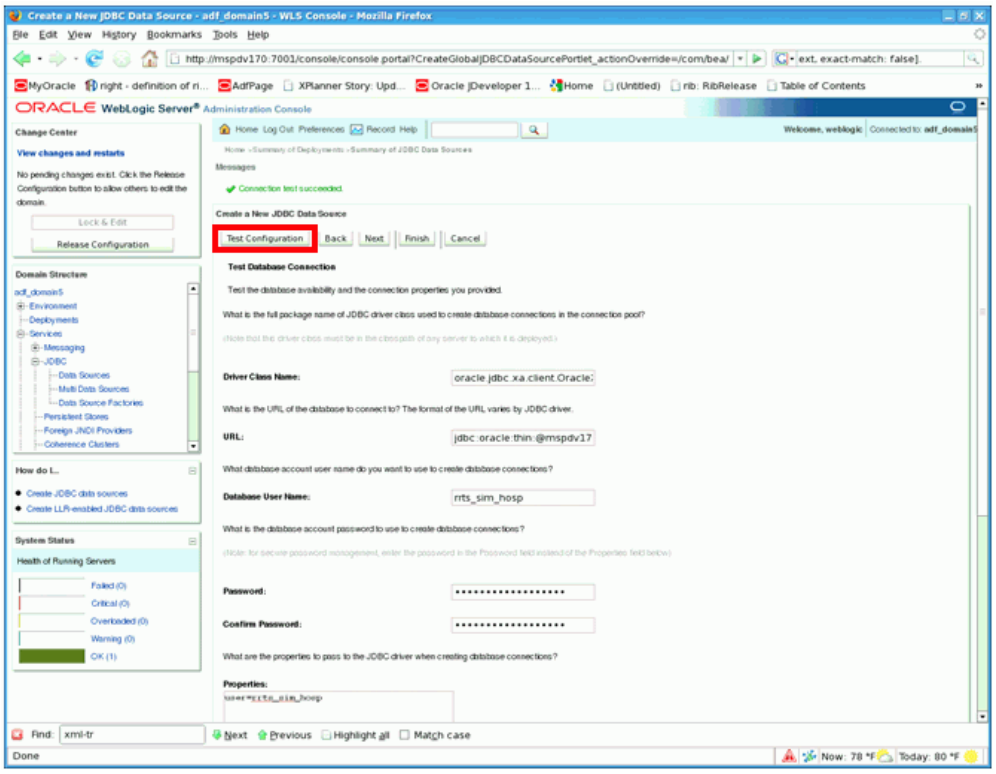
8. In the Database Driver field, select the database driver, based on the database type selected in Step 6.
9. Click **Next**.



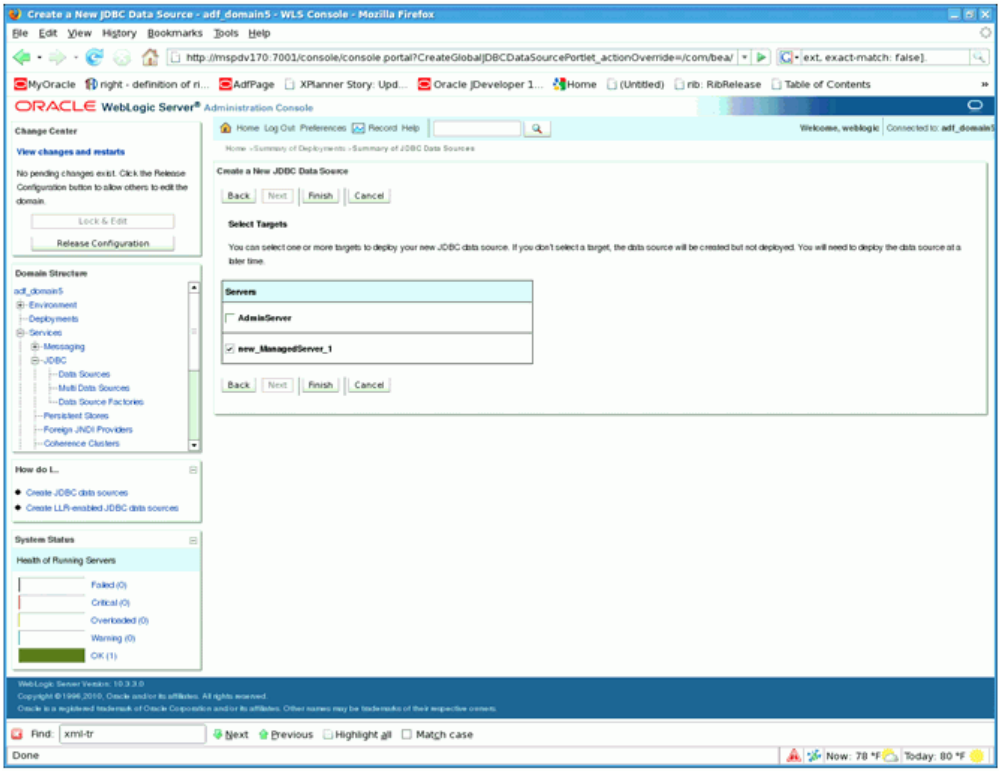
10. Click **Next**. This screen contains the connection properties for the rib-<app> hospital schema that was created during installation of the RIB. This screen must be completed for each rib-<app> that is deployed, so values will vary.



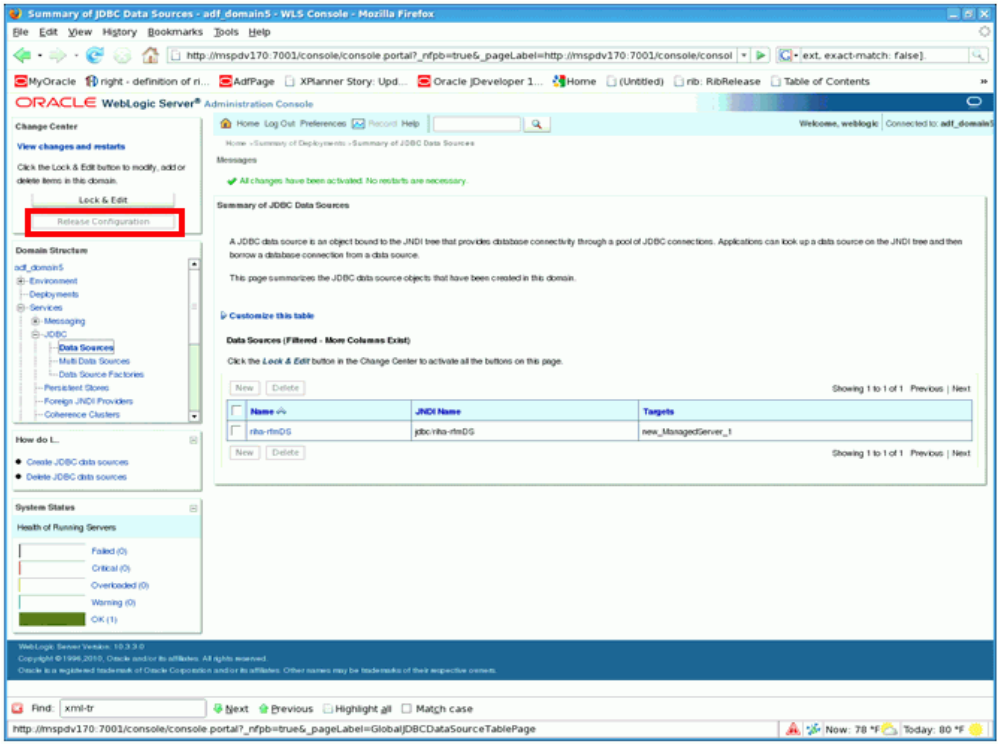
11. Enter the database credentials. Click **Next**.



12. Click **Test Configuration**. If the data source configuration is successful, click **Next**.



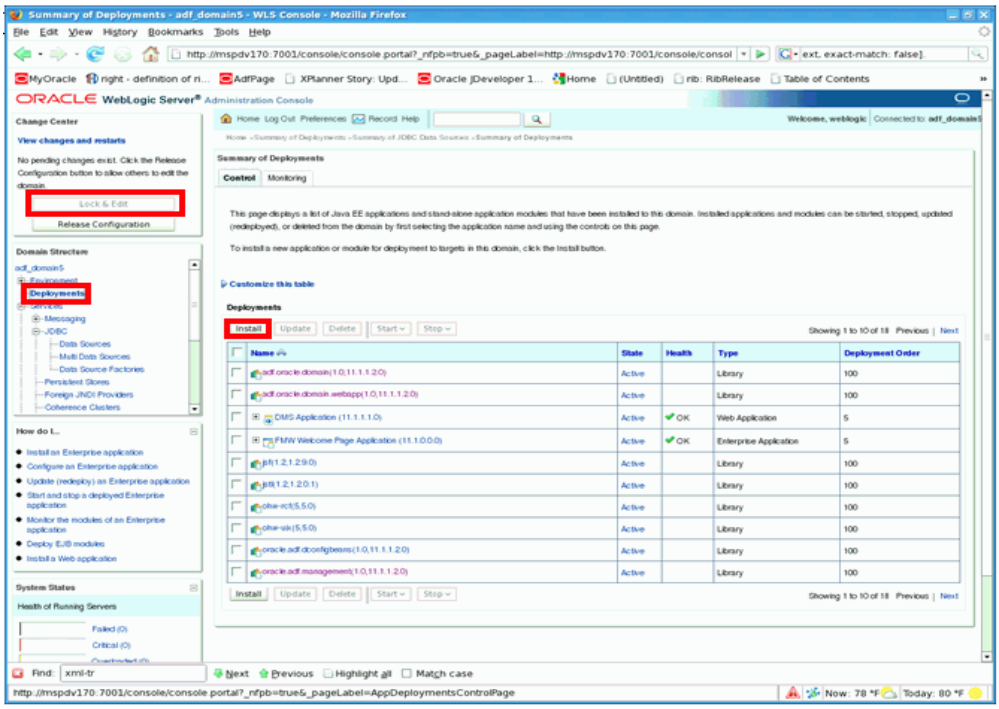
13. Select the Targets for the data source and click **Finish**.



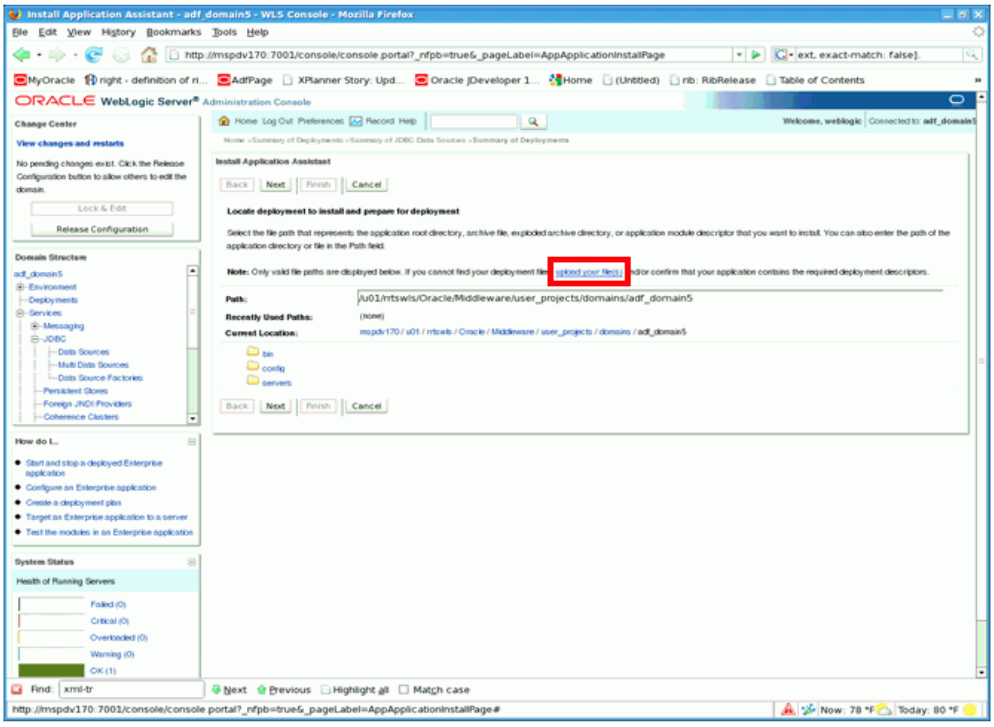
14. Click **Activate Changes** on the left pane.

Deploy EAR

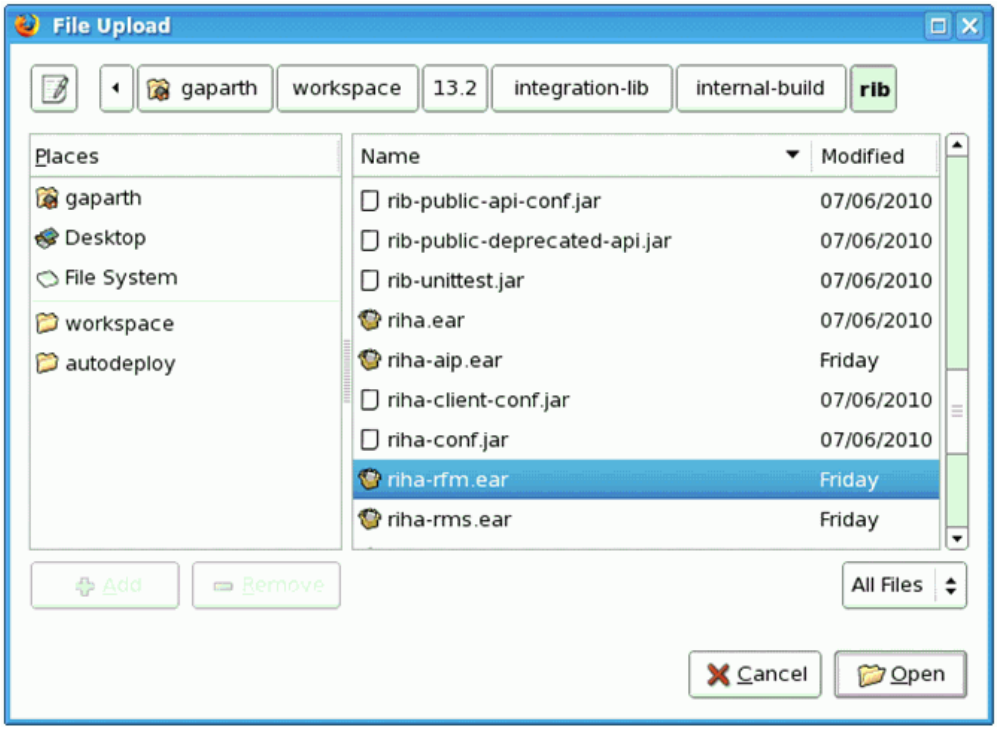
1. Log in to WebLogic console as a user with permissions to create services and to deploy an ear file.



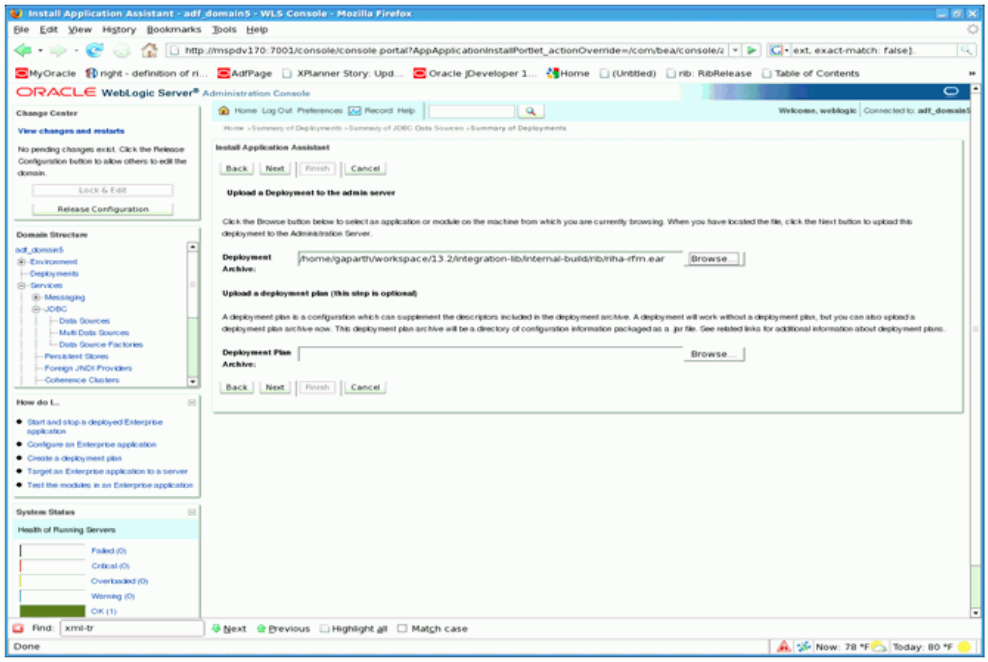
2. In the left pane, click **Lock & Edit**.
3. In the Domain Structure section, select Deployments.
4. In the right pane, in the Deployments section, click **Install**.



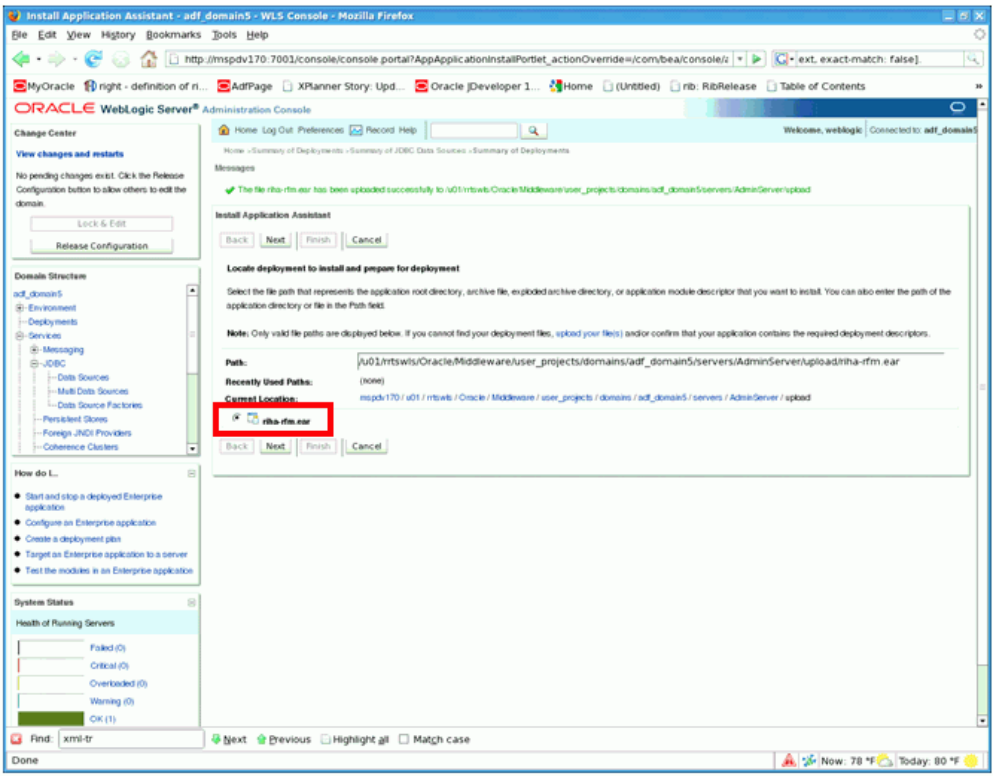
5. In the Path field, enter the path of the riha-<app> ear file location. Or you can use the **Upload your files** link to upload RIHA ear files. Click **Next**. The File Upload screen opens.



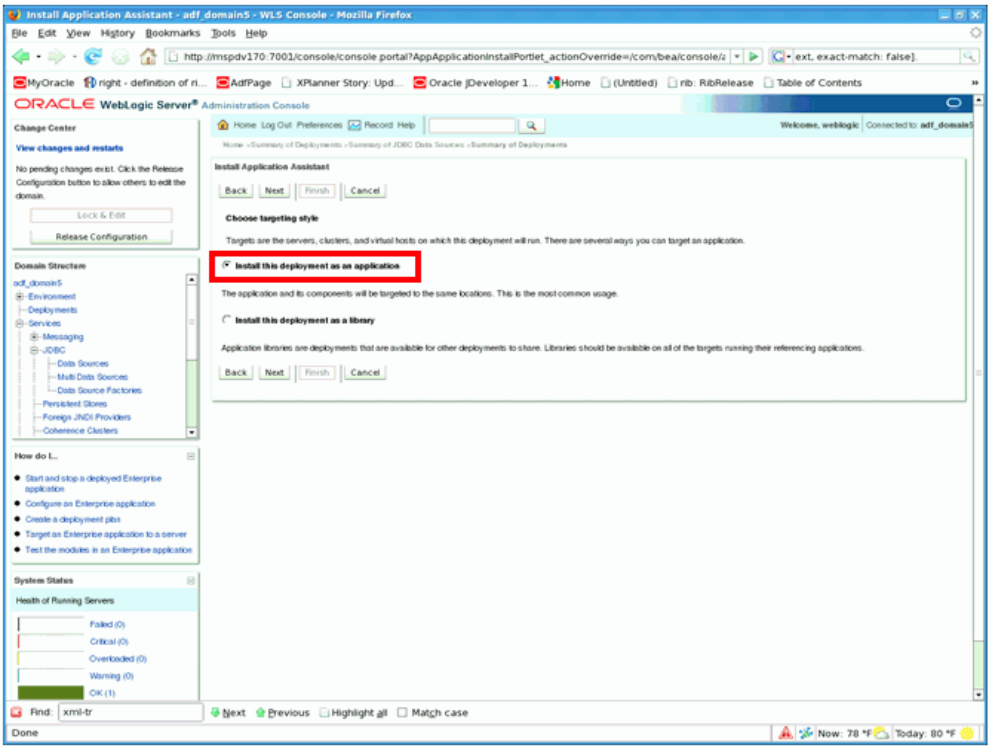
6. Select the EAR file and click **Open**.



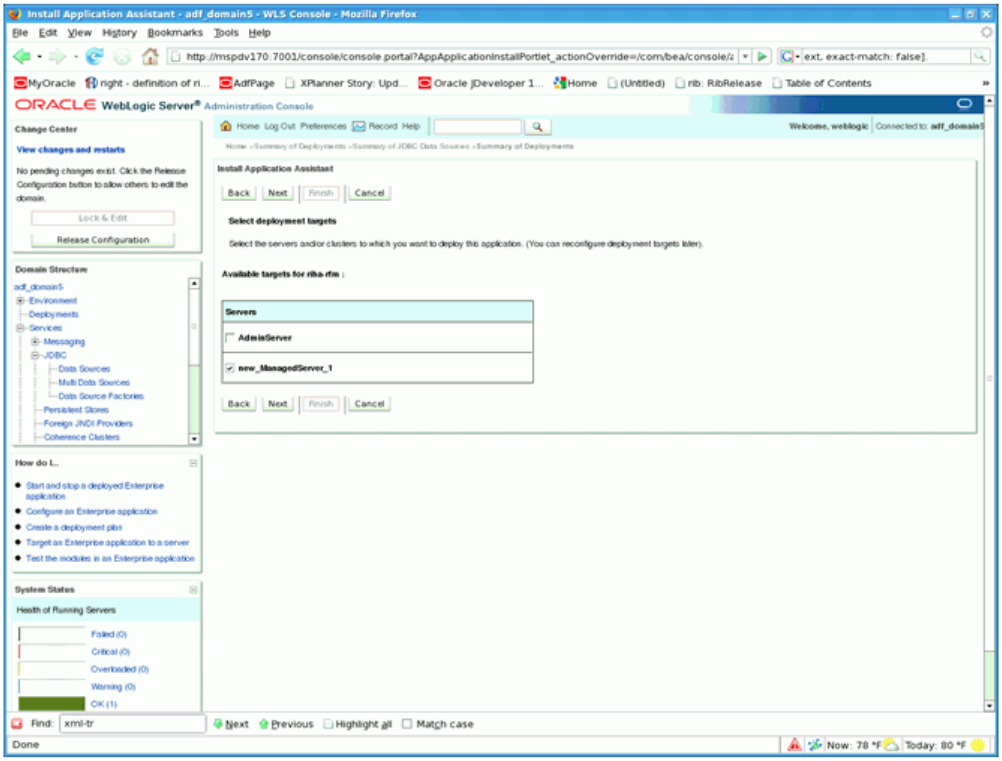
7. Click **Next**.



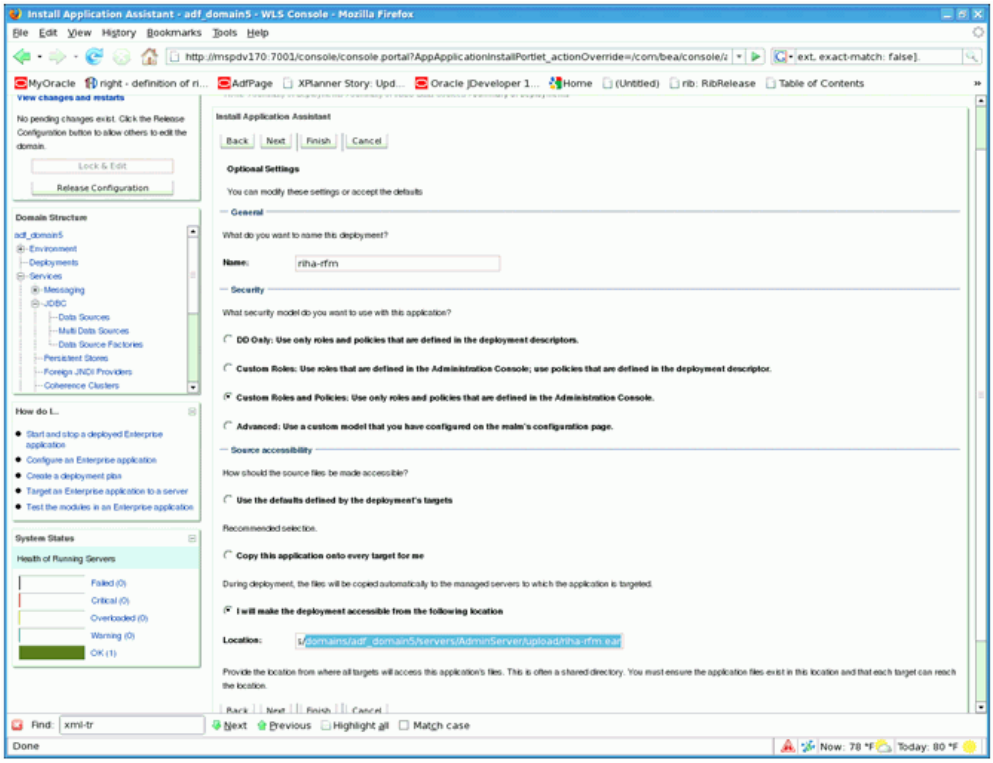
8. Select the EAR file and click **Next**.



9. Select Install this deployment as an application and click **Next**.

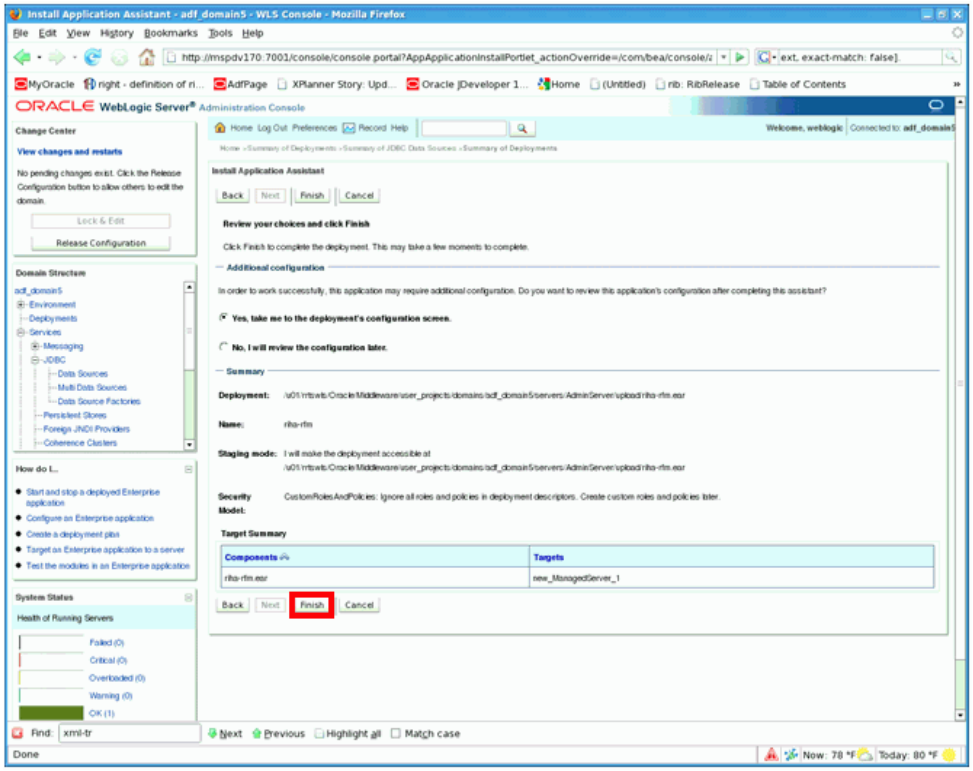


10. Select the deployment targets from the Available targets.

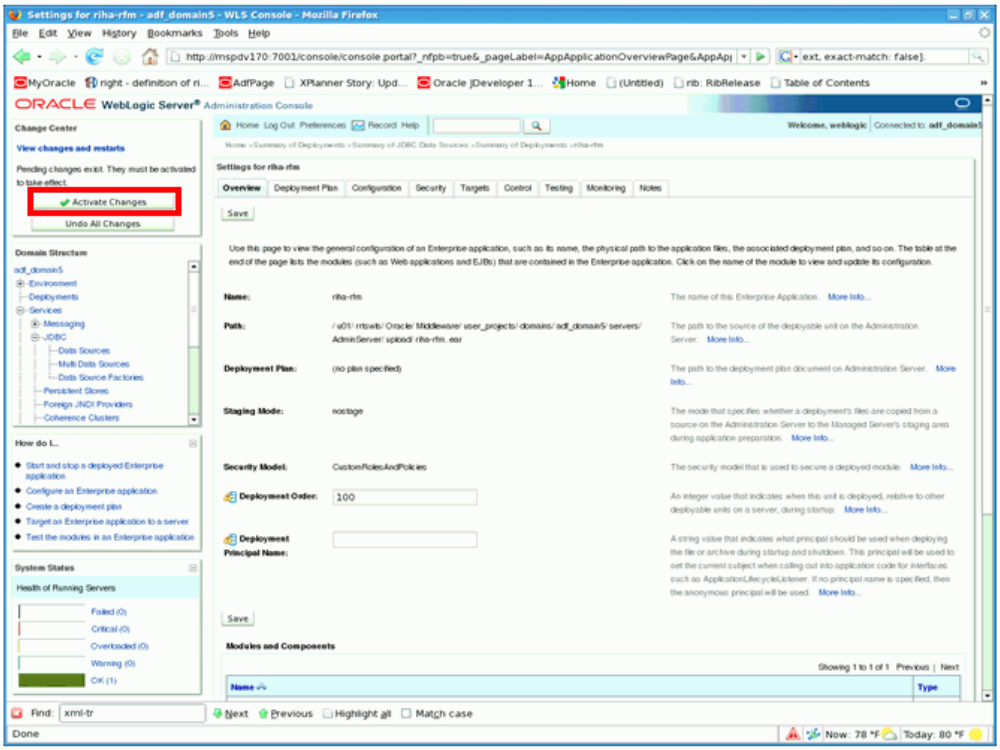


11. In the Security section, select Custom Roles and Policies.

12. In the Source Accessibility section, select **I will make the deployment accessible from the following locations**. Click **Next**.



13. Click **Finish**.



14. Click **Activate Changes**.

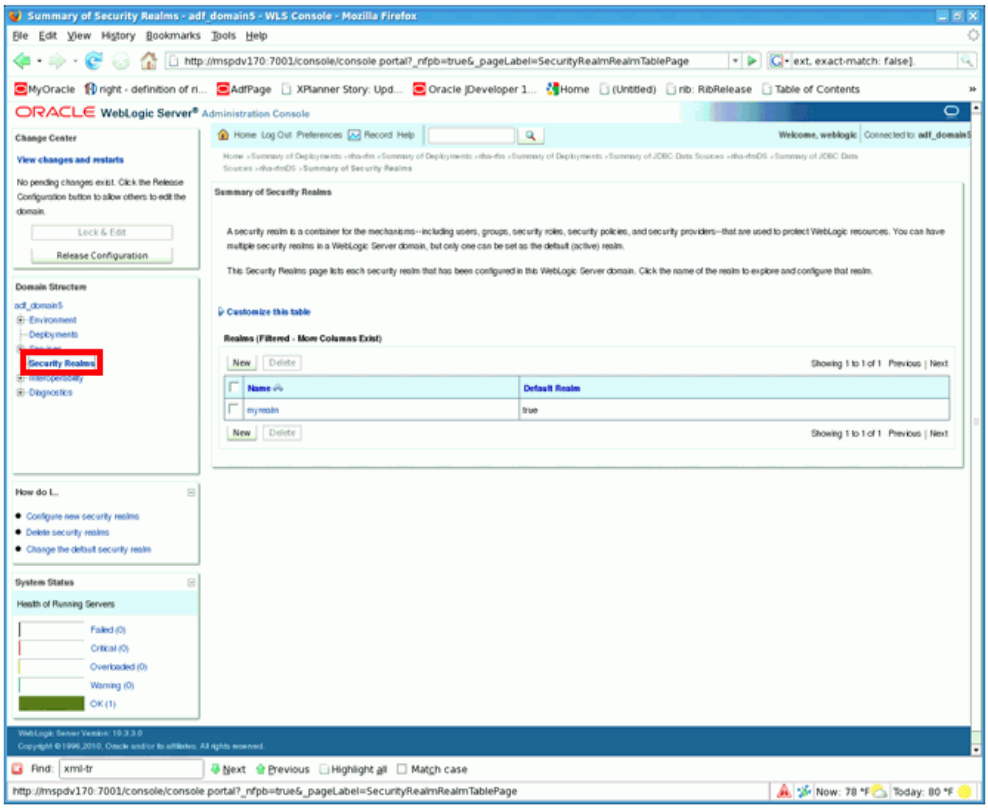
Security Setup Guidelines

This section describes the guidelines for setting up the security setup.

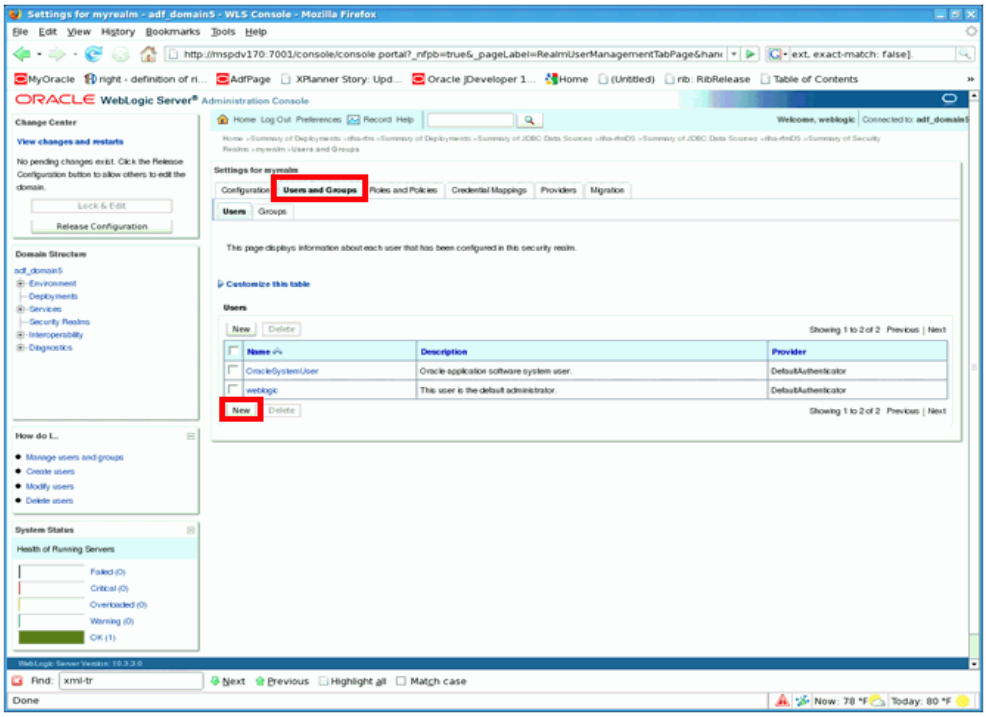
Add Users to the Server

This section lists the steps to add users to the server.

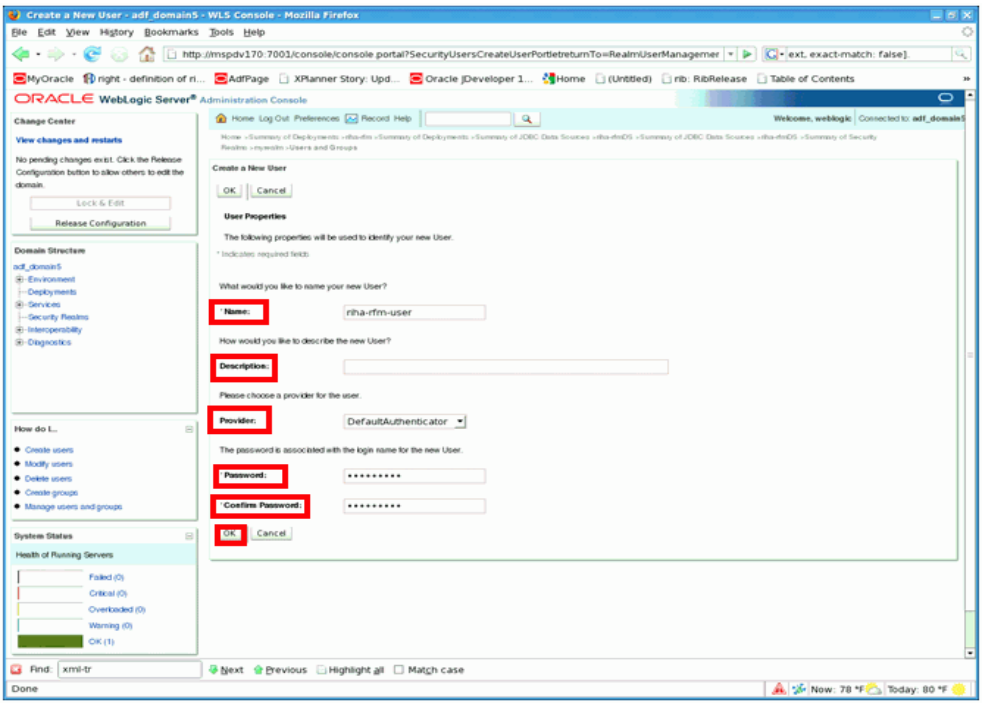
To add users to the server, perform the following steps.



1. In the Domain Structure section, select Security Realms and select the realm on the right pane.

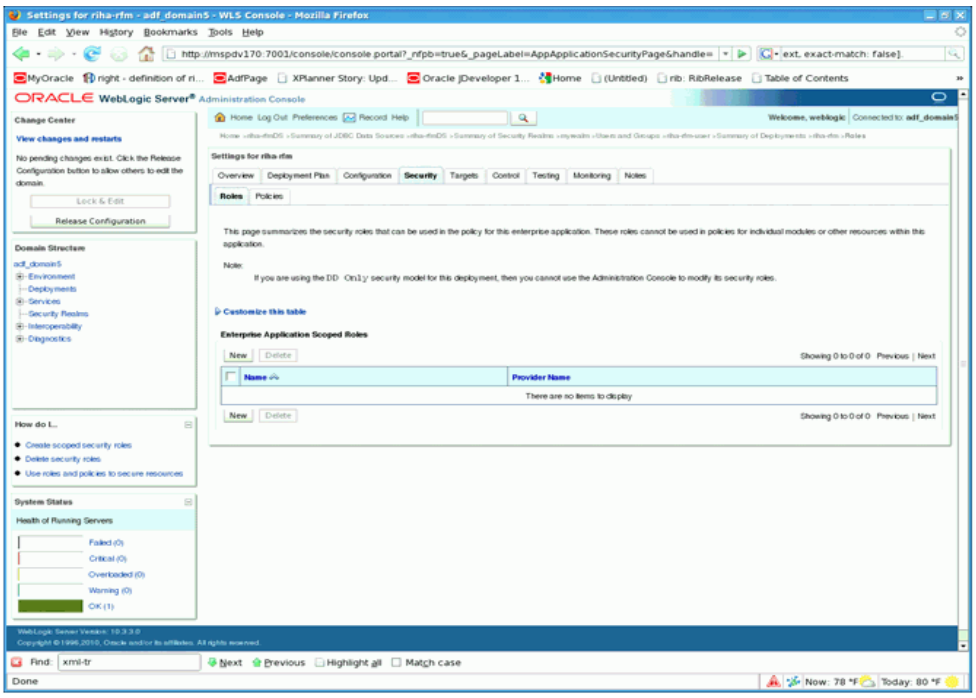


2. In the Settings for myrealm section, click the Users and Groups tab. Click **New**.



3. In the Name field, enter a user name.
4. In the Description field, enter a description.
5. In the Provider field, select **DefaultAuthenticator.** (For information, see WebLogic Server documentation.)

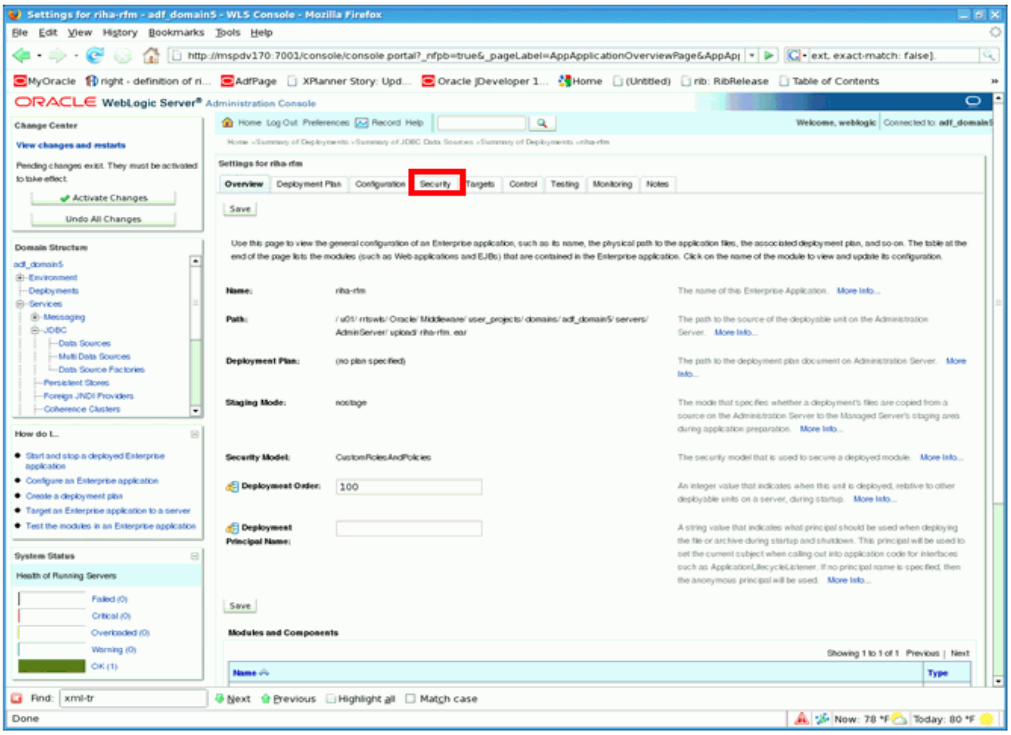
6. In the Password field, enter a password.
7. In the Confirm Password field, enter the password again.
8. Click **OK**.



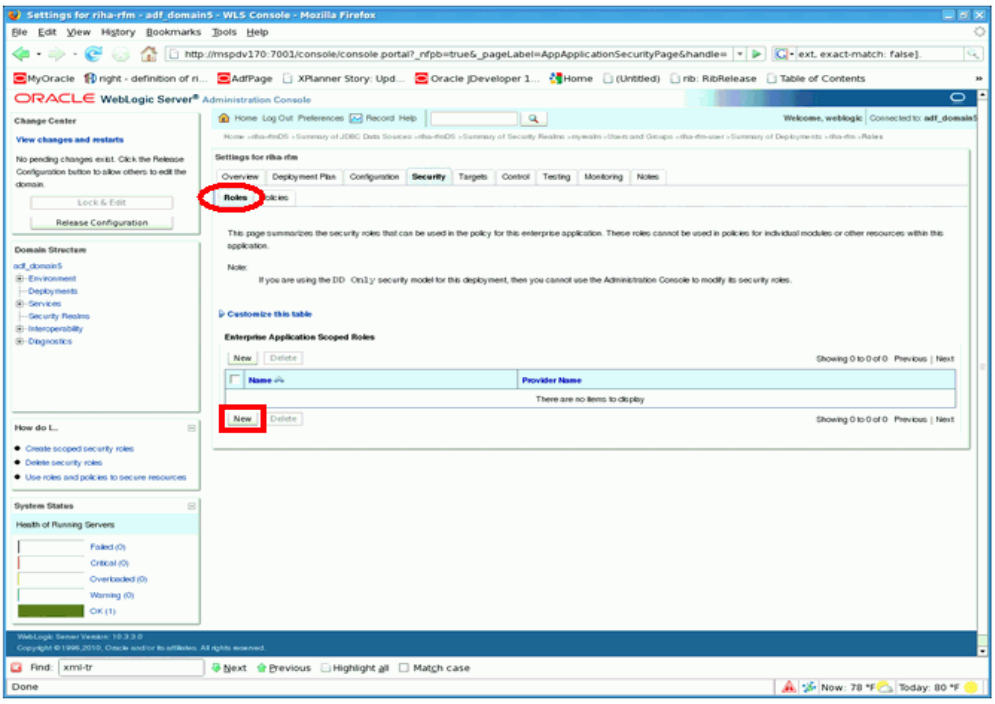
Create and Configure Role for the Deployed tool

This section describes the steps to create and configure a role for the deployed tool.

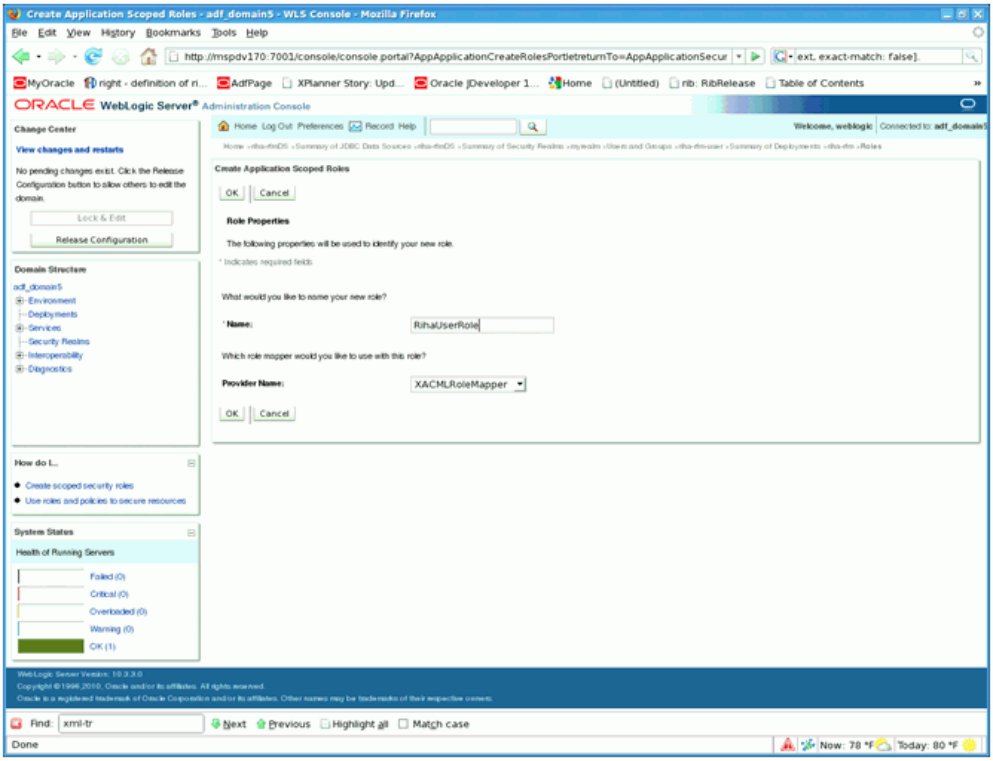
1. In the post EAR deployment screen (the screen that was displayed after Step 13 of the "Deploy EAR" procedure above), click the Security tab.



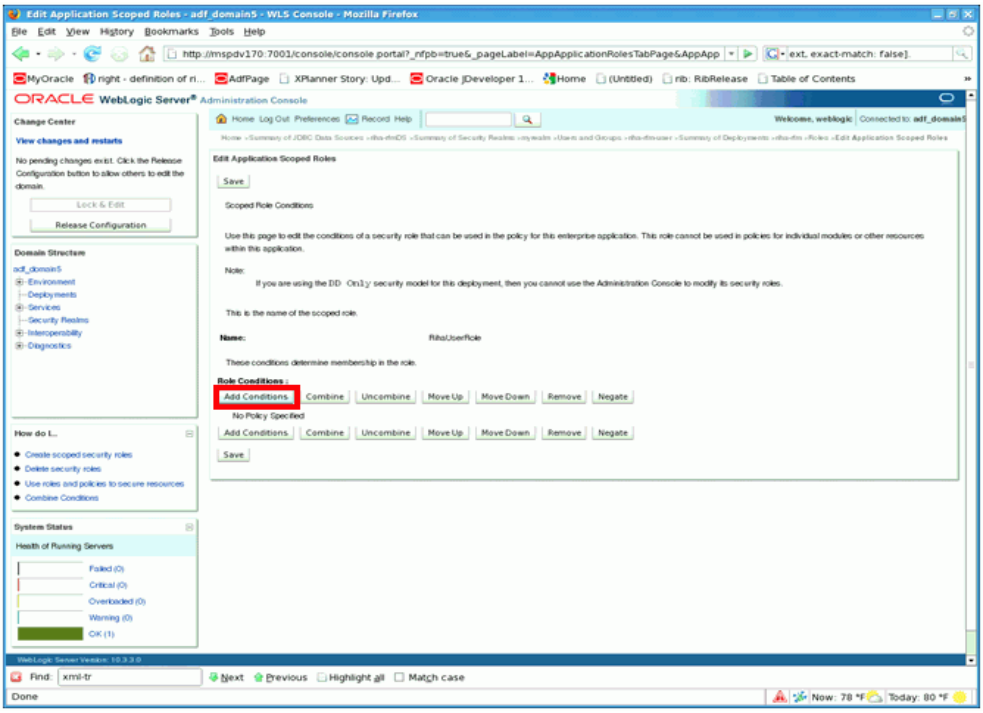
- The Roles tab is selected by default.



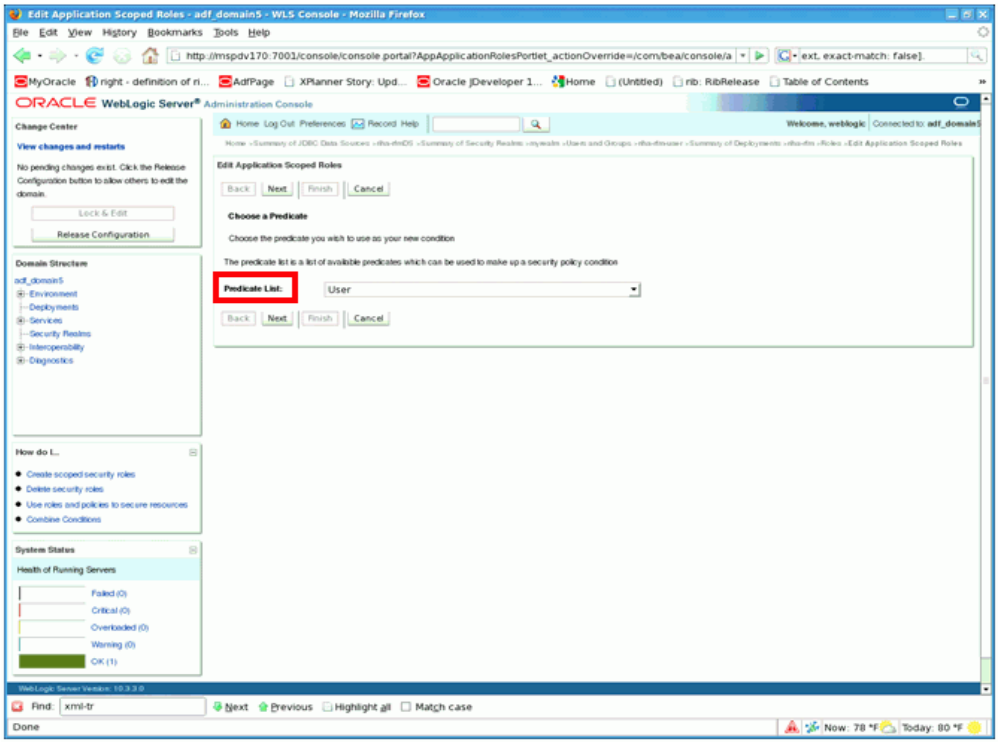
2. Click **New**.



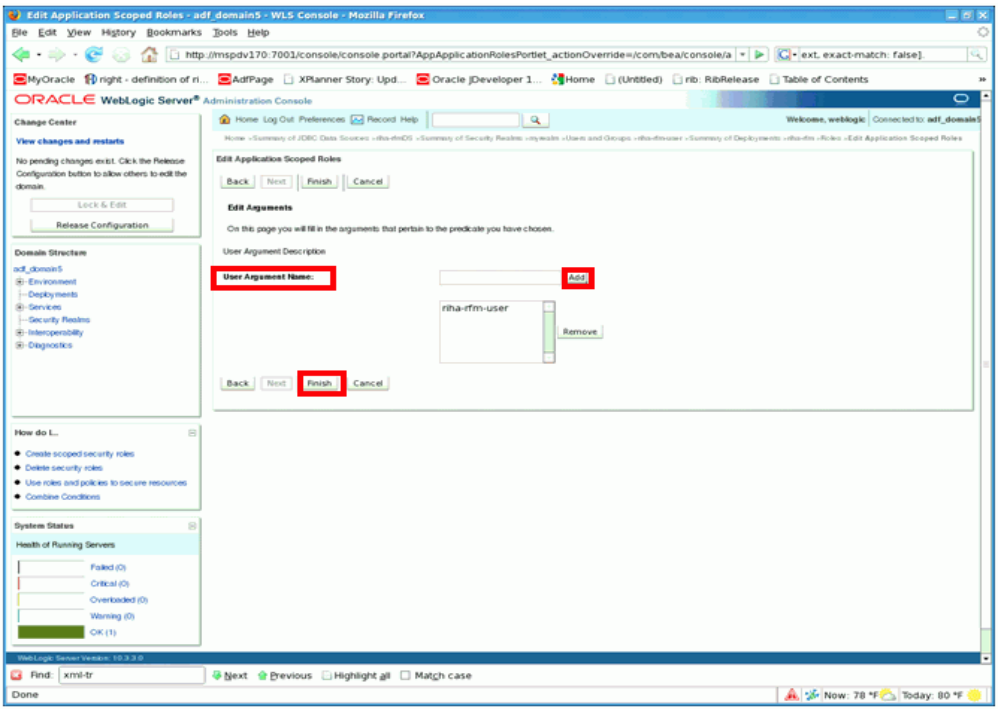
3. In the Name field, enter the role name, **RihaUserRole**. Click **OK**.
4. In the Provider Name field, select the default role mapper. For more details, see WebLogic Server documentation.
5. Click **OK** to return to Security --> Roles tab screen.



6. Click the new role, **RihaUserRole**. Click **Add Conditions**.

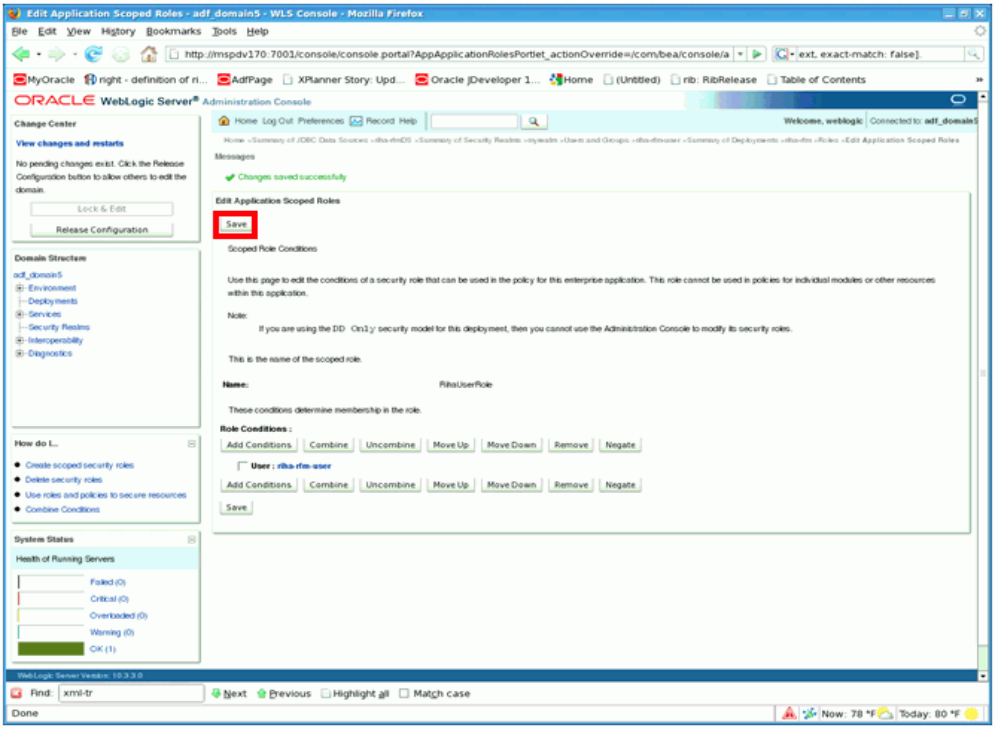


7. From the Predicate List, select User. Click **Next**.



8. In the User Agreement Name field, enter the user name created in Security Realms and click **Add**.

9. Click **Finish**.

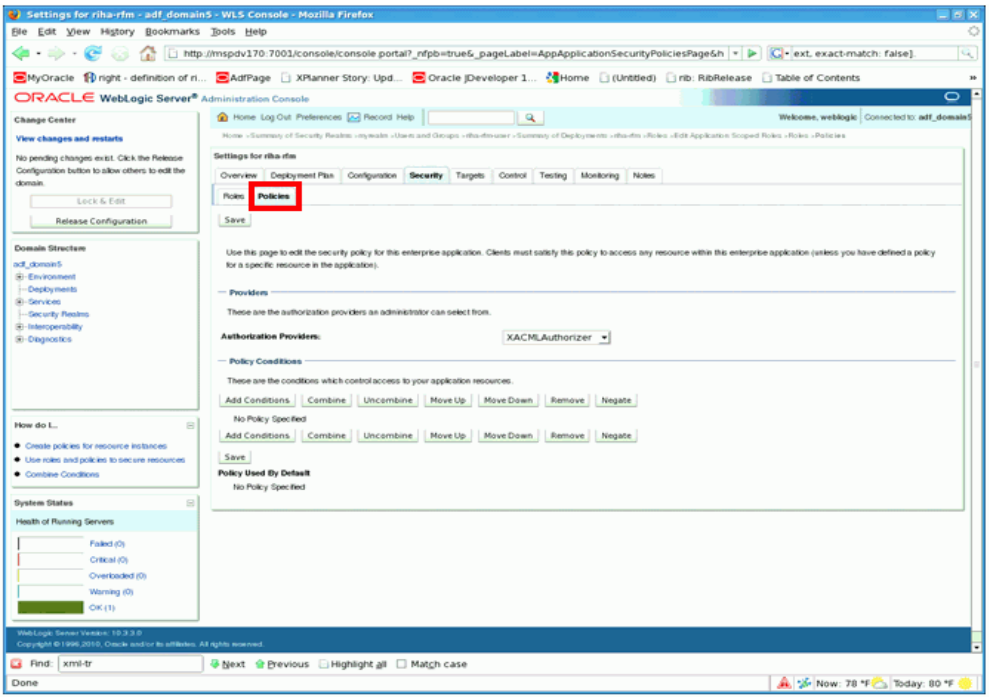


10. Click **Save** to save the changes.

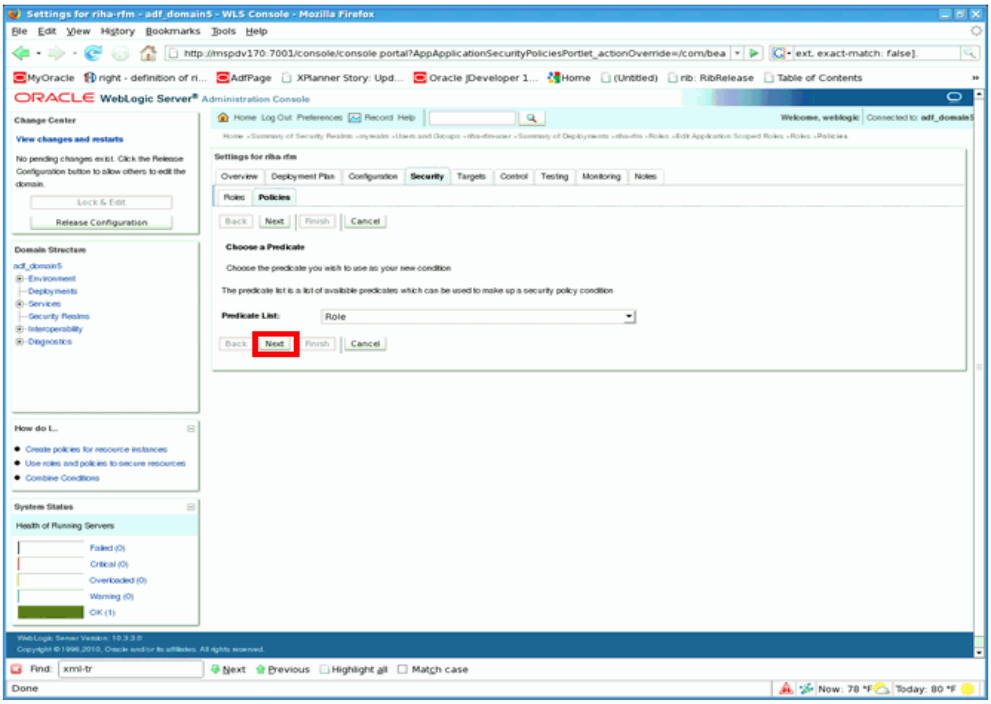
Create and Configure Policy to the Deployed Tool

This section describes the steps to create and configure policy to the deployed tool.

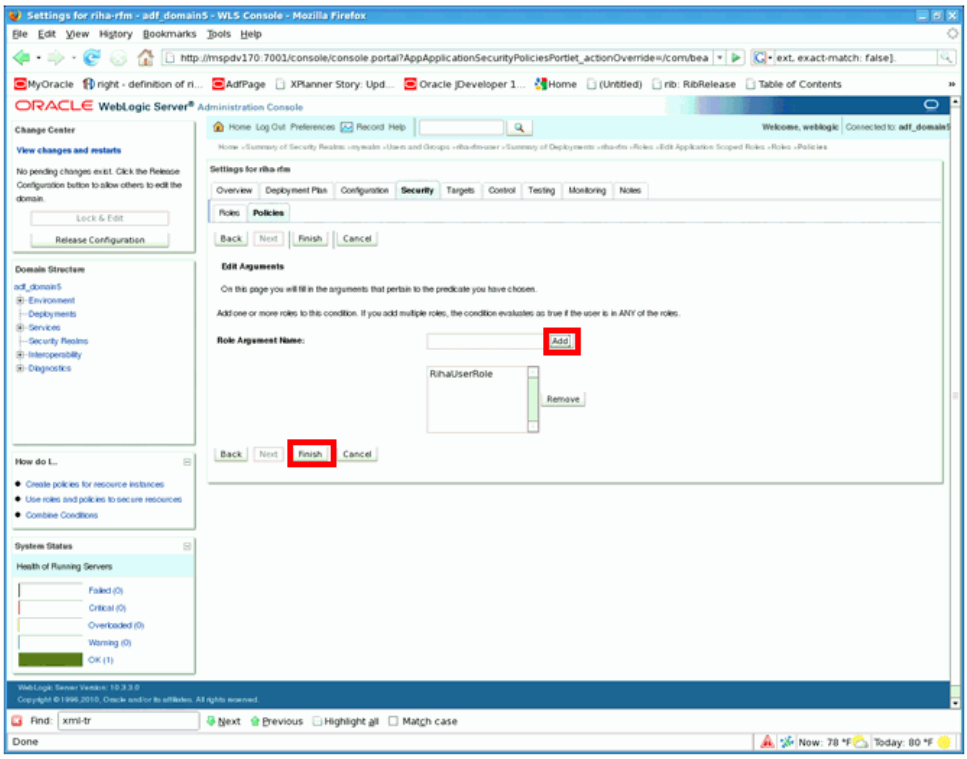
1. Go back to the Security tab.



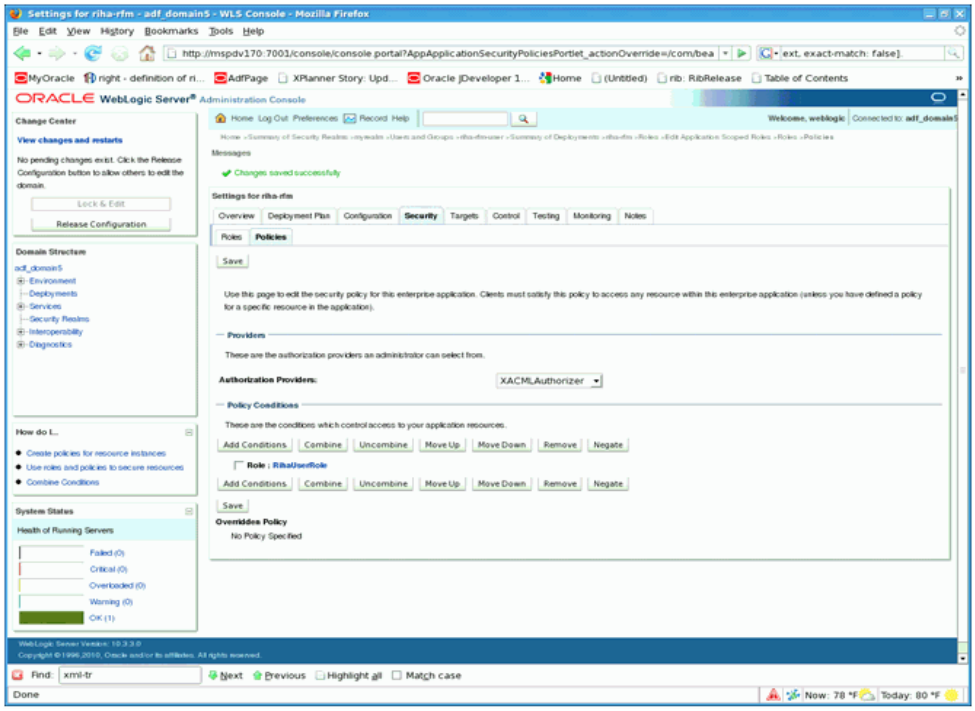
2. Click **Policies**. In the Policy Conditions panel, click **Add Conditions**.



3. In the Predicate List field, select Role. Click **Next**.



4. In the Role Agreement Name field, enter the created role and click **Add**.
5. Click **Finish**.



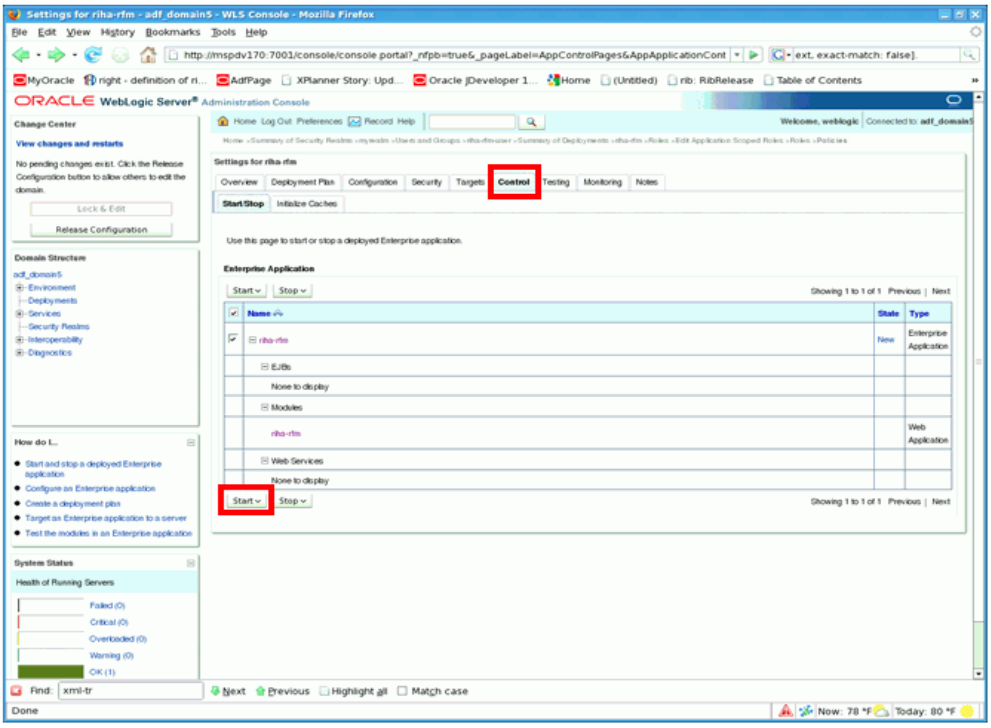
6. Click **Save** to save the changes.

Testing the Deployment

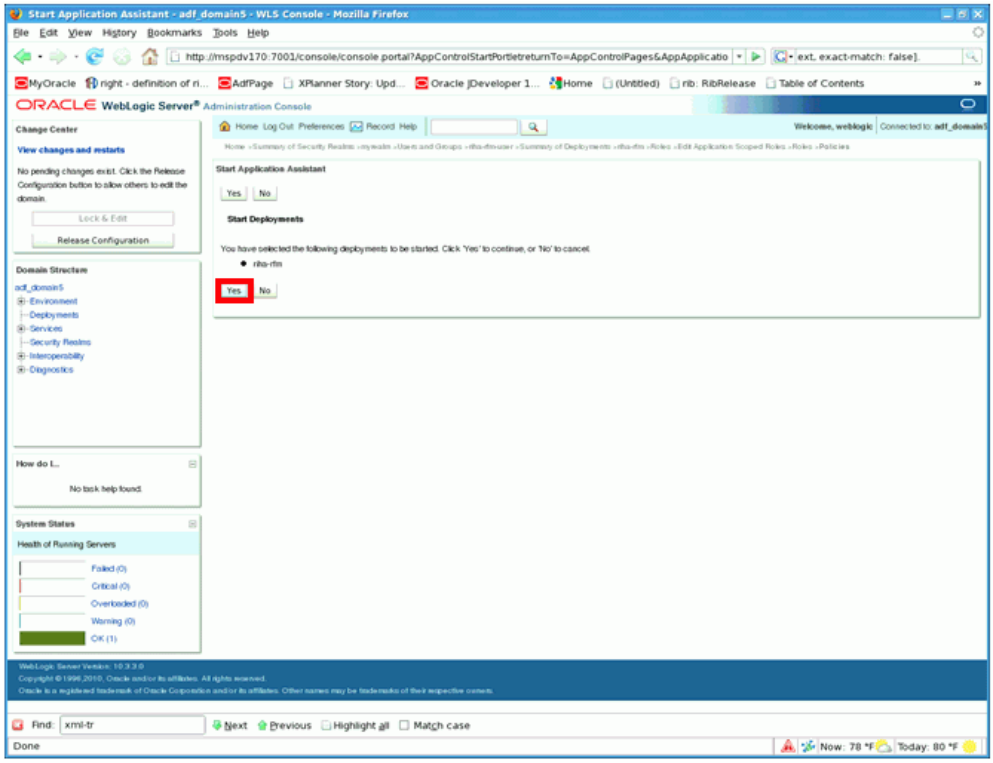
This section describes the steps to test the deployment.

Navigate to the post deployment screen, as illustrated in Step 13 of the "Deploy EAR" section earlier in this chapter.

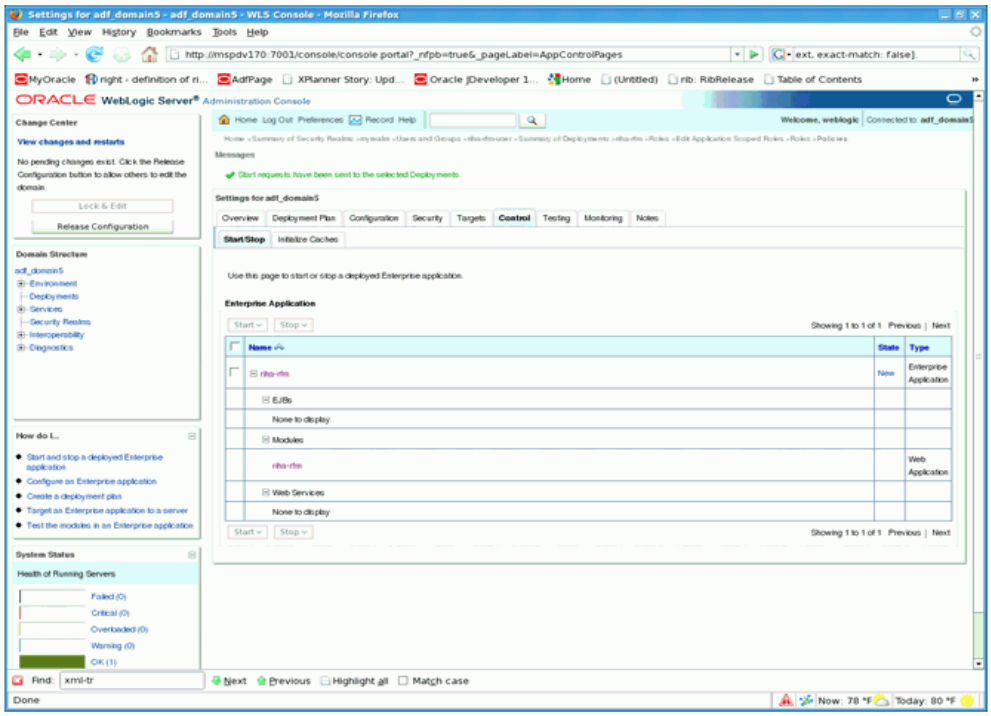
1. Click the **Control** tab.



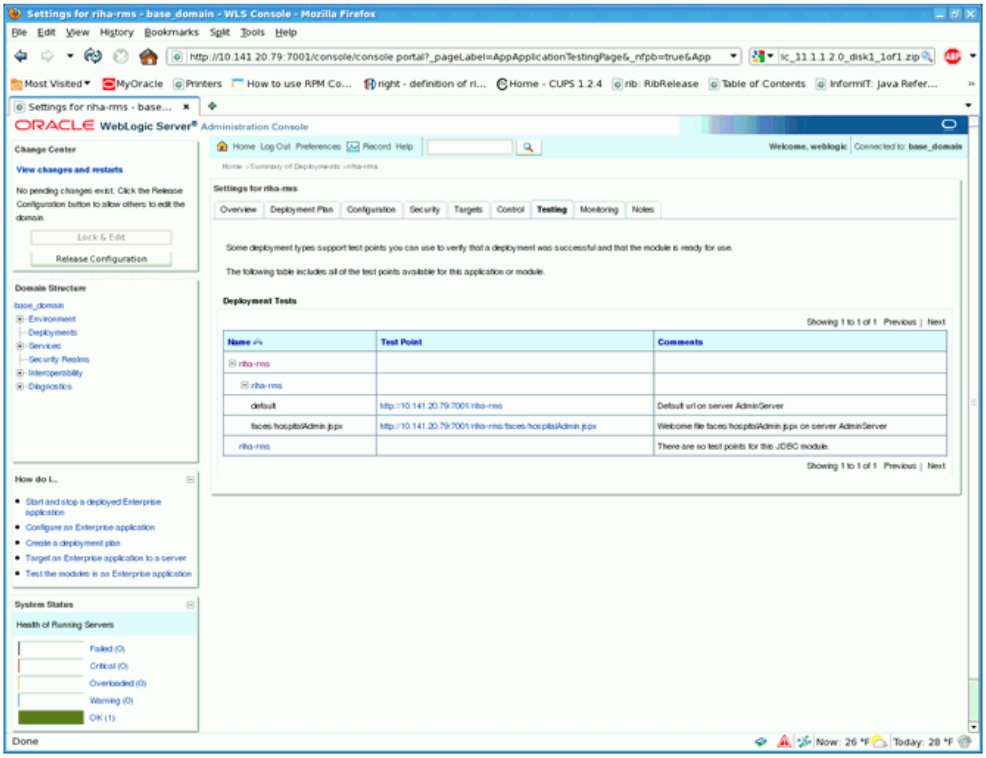
2. Select the application. Click **Start**.



3. Click **Yes**.



- The deployed tool is started successfully.



4. Click on the Testing tab and expand the deployed tool to access the URL of the tool.

3

Navigation and Help

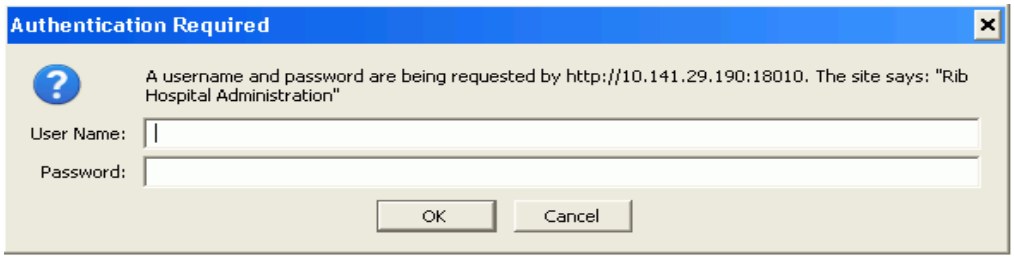
This chapter describes the navigation steps in the Oracle Retail Integration Bus Hospital Administration or RIB Hospital Administration (RIHA) application.

Log in to RIHA

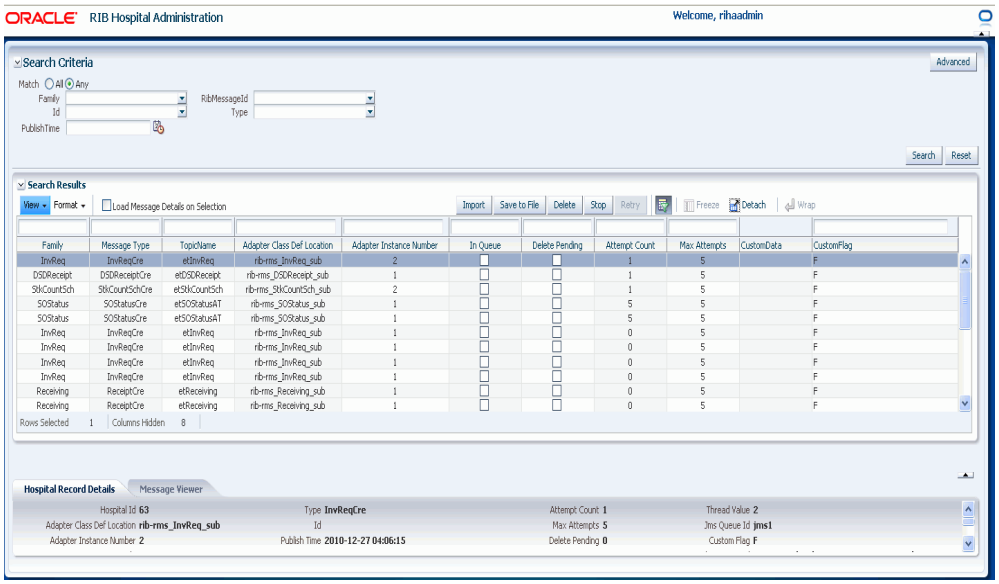
This procedure explains how to log in to the application.

1. Enter the application URL http://<host>:<port>/<rib-app>/faces/hospitalAdmin.jspx in the address bar of the browser.

   Note: Using Mozilla Firefox Web browser is recommended.



2. In the User Name field, enter the user name configured at the time of installation of the application.
3. In the Password field, enter the password.
4. Click **OK**. The application home page opens.



- The application name in the URL determines the hospital to which the application interacts.

  For example, if the URL is http://<host>:<port>/riha-rfm/faces/hospitalAdmin.jspx, then the application interacts with riha-rfm application hospital tables.

Search for a Hospital Record

This procedure explains how to search for a hospital record in RIHA.

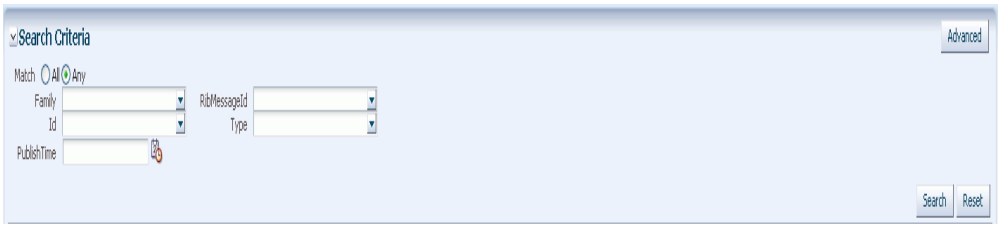
Basic Search

By default, the basic search option is enabled. Basic search is done using the Equal to operator against the given search values.

Click **Reset** to clear the data from search fields.

To perform a Basic Search:

1. Log in to the application.

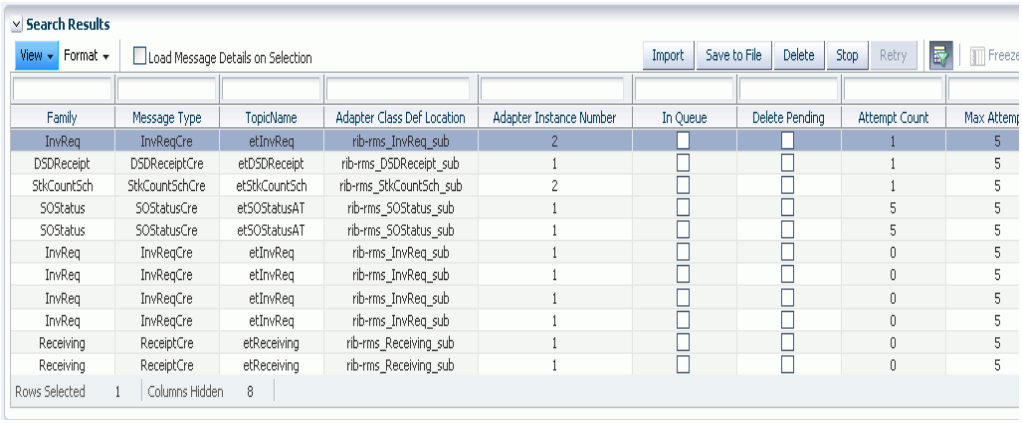


2. In the Search Criteria section, enter or select the criteria to limit your search in one or more of the following fields:
   - Family
   - ID
   - Publish Time

- RIB Message ID
- Message Type

Note: Select **All** to match all fields in the search. Select **Any** to match any field in the search criteria.

3. Click **Search**. The hospital records that match the search criteria are populated in the search results table.



Advanced Search

By default, the basic search option is selected in the application. In the search panel, click **Advanced** to switch to advanced search option. Advanced search allows you to add more search fields to the search criteria. Click Add Fields to add more fields.

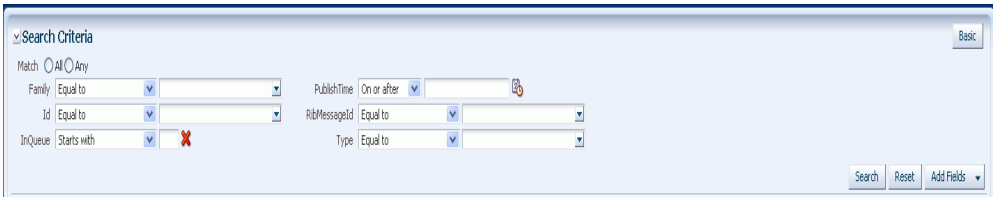
In the advanced search, the operators of each search field can be changed to other available options.

Click **Basic** to switch back to the basic search option.

Click **Reset** to clear the data from search fields.

To perform an Advanced Search:

1. Click **Advanced** in the search panel.



2. Click **Add Fields**. Additional fields are listed. Select the required fields to add to the search criteria.
   - Click the red cross mark icon besides the field to remove the field from the search criteria.
3. Enter values in the respective fields and click **Search**. The hospital records that match the search criteria are populated in the search results table.

Delete a Message

This procedure explains how to mark a message for deletion from the RIB Hospital.

1. Log in to the application.
2. Search for hospital records.
3. Select a row that represents a hospital record.
4. Click **Delete**. The message is deleted when the hospital retry adapters and/or process checks for messages to be deleted from the RIB Hospital.

> **Note:** A message that is in queue (as indicated when the check box in the In Queue column is selected) cannot be deleted.

Stop a Message

This procedure explains how to stop a retry adapter and/or a process from attempting to retry a message.

1. Log in to the application.
2. Search for a message.
3. Select a row that represents a hospital record.
4. Click **Stop**. The retry adapter and/or a process does not attempt to reprocess the message until you select the message for Retry.

> **Note:** A message that is in queue (as indicated when the check box in the In Queue column is selected) cannot be stopped.

Retry a Message

This procedure explains how to retry a message after you have stopped the retry adapter and/or process from re-processing it.

1. Log in to the application.
2. Search for a message.
3. Select a row that represents a hospital record.
4. Click **Retry**.

> **Note:** A message that is in queue (as indicated by the check box in the In Queue column is selected) or pending deletion (as indicated by the check box in the Delete Pending column is selected) cannot be retried.

View a Message

This procedure explains how to view a message.

1. Log in to the application.
2. Search for hospital records.

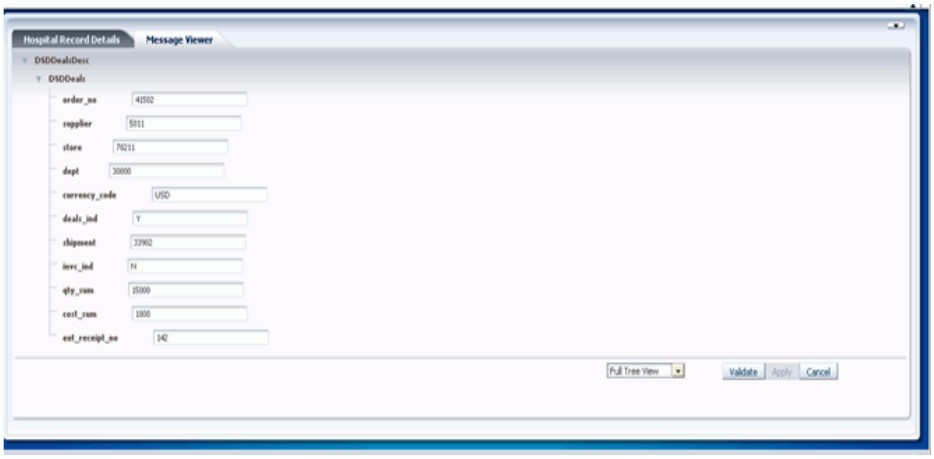
3. Click the Load Message Details on Selection check box located in the search results table.
4. Select a row to view the payload of hospital records.
5. Click the Message Viewer tab. By default, the message viewer displays the payload in partial tree view mode.
6. Expand the Message Viewer pane and select one of the following three views:
   - Partial Tree View
   - Full Tree View
   - Flat View

Partial Tree View

The partial tree view allows you to scroll the message one child node at a time.

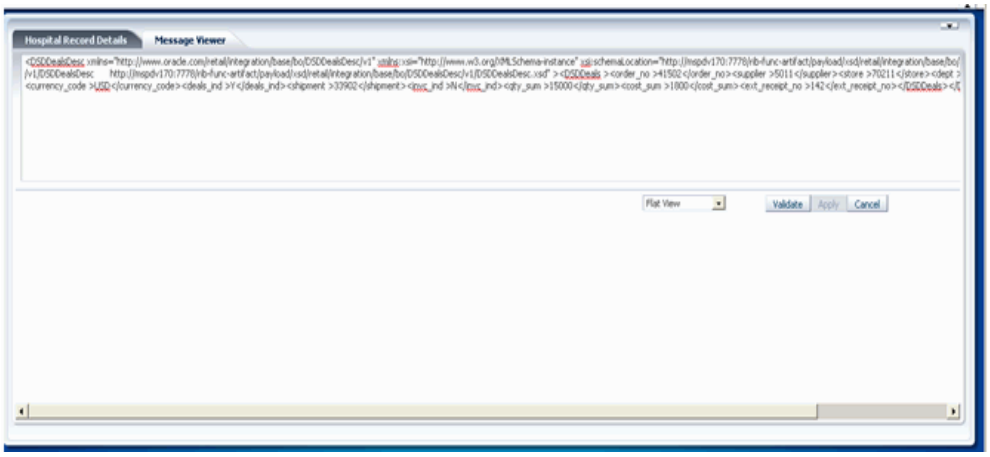
Full Tree View

The full tree view displays all the message's children, each of which you can expand.



Flat View

The flat view displays the XML document in its flat format.



Search Within a Message

To search a text in the payload, use the browser's find function (Ctl+F) in the full tree mode or flat view mode.

Edit a Message

This procedure explains how to edit a message.

1. View a message (see View a Message).
2. Insert the cursor within any portion of the message and edit the message.
3. Click **Validate**. If the message is validated, the Apply button is enabled.
4. Click **Apply** to save the message.
   - If you click Cancel before applying, all changes are rolled back to the previously saved data.

Validate a Message

This procedure allows you to perform the application's XML validation step for a message.

- The system validates the message against a XSD or a schema, depending on what is specified in the header section of the XML message.

1. View a message (see View a Message).
2. If you want to make changes to a message, edit the message in the Message Viewer pane.
3. Click **Validate**.

Save a Message Locally

This procedure explains how to save a message locally.

1. Search for a message and select a row (see Search Within a Message).
2. Click **Save To File**. The message is saved to a RibMessage.xml, a text file named by default.

Import a New Hospital Record to Hospital Tables

This procedure explains how to retrieve a message from a local location.

1. Click Import.
2. Search for a message and select a row (see Search Within a Message).
   - A popup browser opens with an option to browse for a hospital entry to be loaded.

The message must be in the following specified format.

```
<HospitalEntry>
<AdapterClassLocation>AdapterClassLocation</AdapterClassLocation>
<Family>Family</Family>
<Type>Type</Type>
<TopicName>TopicName</TopicName>
<CustomFlag>F</CustomFlag>
<CustomData> <![CDATA[ CustomData ]]> </CustomData>
<ReasonCode>ReasonCode</ReasonCode>
<RibMessagePayloadView>
<RibMessagePayload>
<MessageData> <![CDATA[ <Message Xml> ]]> </MessageData>
</RibMessagePayload>
</RibMessagePayloadView>
<RibMessageRoutingInfoView>
<RibMessageRoutingInfo>
<SeqNumber>0</SeqNumber>
<Name>Name</Name>
<Value>Value</Value>
<Detail1Name>DetailName</Detail1Name>
<Detail1Value>DetailValue</Detail1Value>
</RibMessageRoutingInfo>
</RibMessageRoutingInfoView>
</HospitalEntry>
```

Update an Existing Hospital Record

This procedure explains how to update an existing hospital record. location.

1. Search for a message and select a row (see **Search Within a Message**).
2. Save the hospital entry locally (See Save a Message Locally).
3. Edit the hospital entry file.
   - Do not edit or remove any of the <MessageNum> attributes.
4. Click **Import**.
   - A popup browser window opens with an option to browse for the edited hospital entry to be loaded.

The message must be in the same format in which it was saved.

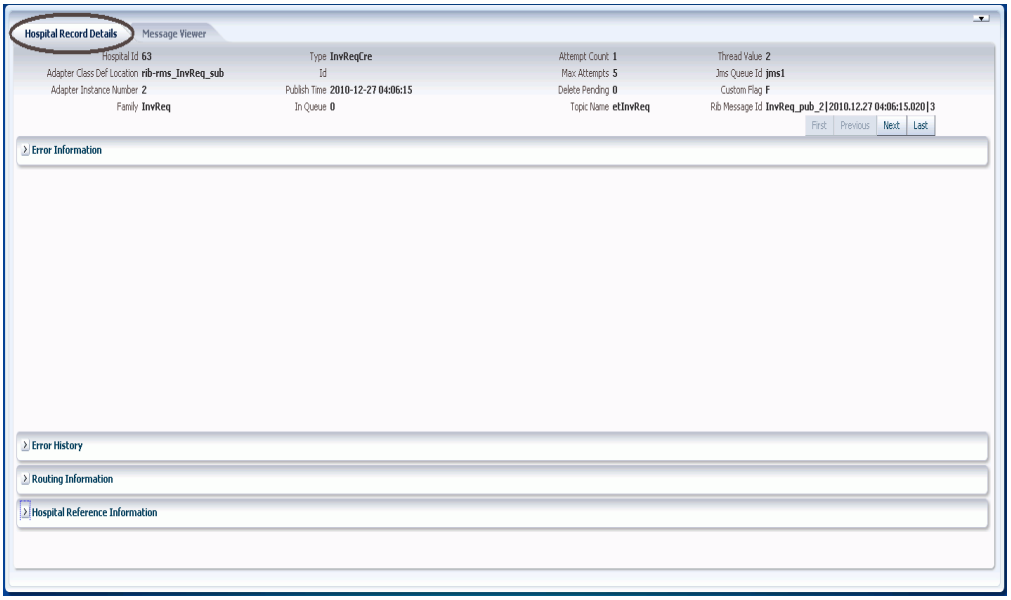
Format the hospital entry to be updated.

```
<HospitalEntry>
   <MessageNum>12345</MessageNum>
   <AdapterClassLocation>AdapterClassLocation</AdapterClassLocation>
   <Family>Family</Family>
   <Type>Type</Type>
   <RibMessageId>RibMessageId</RibMessageId>
   <Id>Id</Id>
```

```
   <PublishTime>YYYY-MM-DD HH:MM:SS</PublishTime>
   <TopicName>TopicName</TopicName>
   <ThreadValue>Threadvalue</ThreadValue>
   <JmsQueueId>jmsId</JmsQueueId>
   <CustomFlag>F</CustomFlag>
   <CustomData>    <![CDATA[  CustomData   ]]>   </CustomData>
   <ReasonCode>ReasonCode</ReasonCode>
   <RibMessagePayloadView>
      <RibMessagePayload>
         <MessageNum>12345</MessageNum>
         <MessageData> <![CDATA[ <Message Xml> ]]>  </MessageData>
      </RibMessagePayload>
   </RibMessagePayloadView>
   <RibMessageRoutingInfoView>
      <RibMessageRoutingInfo>
         <SeqNumber>0</SeqNumber>
         <Name>Name</Name>
         <Value>Value</Value>
         <Detail1Name>DetailName</Detail1Name>
         <Detail1Value>DetailValue</Detail1Value>
      </RibMessageRoutingInfo>
   </RibMessageRoutingInfoView>
</HospitalEntry>
```

View Hospital Record Details

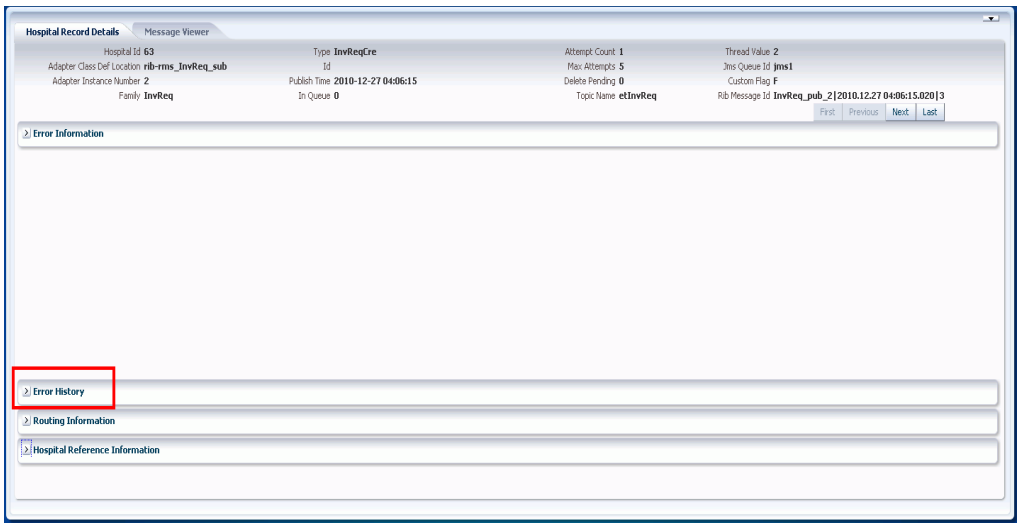
This procedure explains how to see detailed information about a hospital record.



1. Search for a message (see "Search Within a Message").
2. Select a row that represents a hospital record.
   - By default, the Hospital Records Detail tab is active and displays the selected row's hospital record details.
   - The size of the pane can be adjusted by using the arrow mark located in the right side of the pane.

View the Error History of a Message

This procedure explains how to view a message's error history.



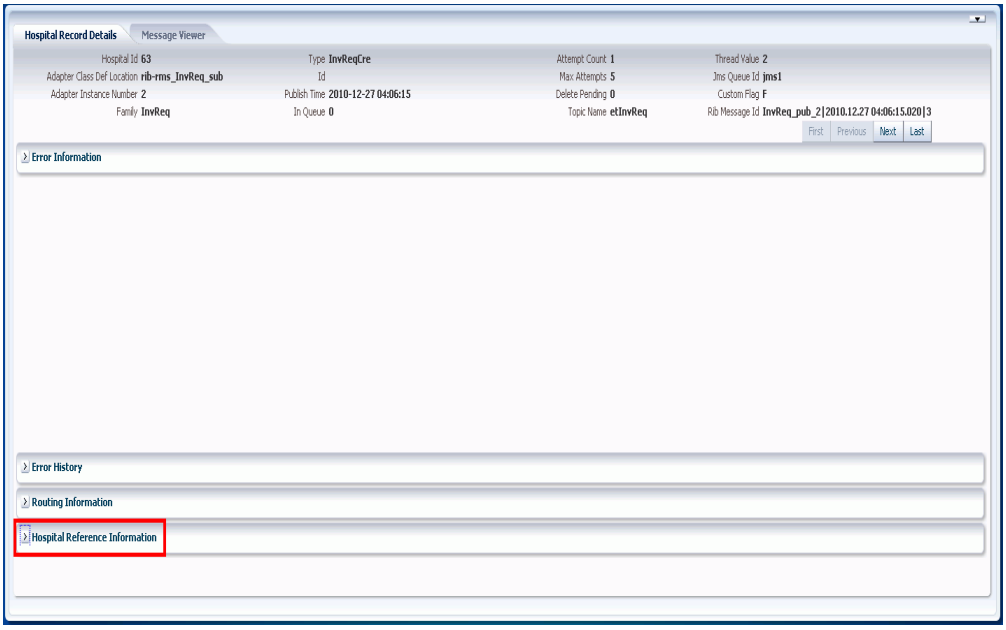
1. Search for a message (see "Search Within a Message").
2. Select a row that represents a hospital record.
   - By default the Hospital Records Details tab is active and displays hospital record details for the selected row.
   - Click on the arrow located near the error history. This will expand the pane and display errors associated with each of the possible retry attempts.

View the Hospital Reference Information of a Message

This procedure explains how to view a message's hospital reference information.

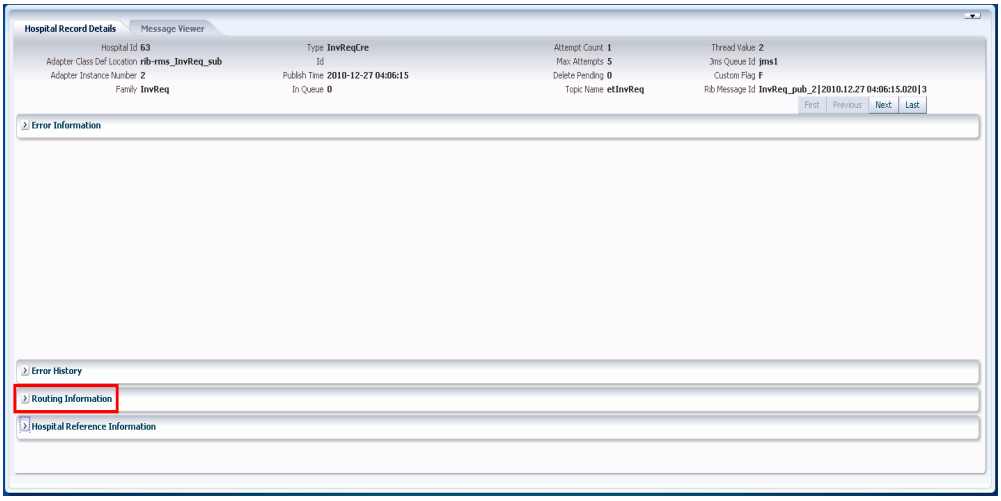
Note: This pane contains data that applies only to retailers who have access to the custom code.

This pane displays records that are already in the RIB_MESSAGE table but are prevented from being retried until another record has been successfully retried. Once the other record has been successfully retried, the Reason Code in the RIB_MESSAGE table for the record being referenced in the Hospital Reference column is set to the new Reason Code to make it available for retry. View the hospital record details for a message (see View Hospital Record Details).



1. Search for a message (see Search Within a Message).
2. Select a row that represents a hospital record.
   - By default the Hospital Records Details tab is active and displays hospital record details of the selected row.
   - Click on the arrow located near the hospital reference information. This will expand the pane and display associated reference information.

View the Routing Information of a Message



This procedure explains how to view a message's routing information.

1. Search for a message (see Search Within a Message).
2. Select a row that represents a hospital record.
   - By default the Hospital Records Details tab is active and displays hospital record details of the selected row.

- Click on the arrow located near the routing information. This will expand the pane and display associated reference information.

Glossary

Term	Definition
Attempt Count	The number of times the system has tried to process the message.
adapter	An adapter represents one or more threads of control within the adapter that publishes or subscribes to the applicable XML messages.
Custom Flag	This value is used to signal that the message contains custom data. This is not currently used by the RIB; therefore its value is always set to F (false).
Delete Pending	A Yes means that the message is marked for deletion and will be removed from the RIB Hospital when the retry adapter and/or process checks for messages to be deleted from the RIB Hospital. No means that the message is not pending for deletion.
Family	The valid message family to which the message belongs. Each message family contains information specific to a related set of operations on a business entity or related business entities.
Hospital ID	This is the identifier of a single message in the Hospital database. It is the primary key that associates the message in the RIB_MESSAGE table with its corresponding data in the RIB_MESSAGE_FAILURE, RIB_MESSAGE_ROUTING_INFO and RIB_MESSAGE_HOSPITAL_REF tables.
ID	Optional ID string that identifies the message. Composite primary keys require multiple IDs. For example, a line item within a Purchase Order may contain the PO number and line item number as part of the ID. For example: <id>PONumber=12345</id> <id>ItemID=321</id>
In Queue	If Yes, messages in the queue are waiting to be reprocessed. If No, messages are not being reprocessed.
JMS Queue ID	This ID represents the JMS server that the message is published to during retries from the hospital. The ID also represents the JMS server from which the message was originally published (or from which the message was originally attempted to be published). The format of this field is <JMS host name>:<JMS host port>.
Last Error Description	The text of the error message that describes why the message failed to process.
Location	The adapter name and/or process name.
Max Attempts	The maximum number of times a message in the RIB Hospital should be re-processed by an application.

Term	Definition
Message Type	Each message family contains a set of sub-formats specific to the business event triggering message publication. The term message type embodies this specific sub-format. For example: a Purchase Order message family can contain message types such as Create PO Header, Create PO Detail, Update PO Header, or Delete PO Detail.
Publish Time	The date/timestamp indicating when the message was published.
Reason Code	This value identifies whether an error occurred during publication of the message or during consumption (subscription). The indicators are JMS, SUB, and PUB. The PUB reason code is used by RMS to indicate that a reference to a message must be retained in the RIB Hospital. When retried, the adapter must call a special stored procedure (PUB_RETRY) that will publish the message once some specific conditions are met in the RMS application.
RIB Message ID	ID of the Message within the RIB Hospital. This value is set only after the message is checked into the RIB Hospital.
Thread Value	The thread value is used for parallel processing of messages within the same family. This value is added to the message during publication to the JMS so that it can be routed through a specific adapter and/or process.