Oracle® Financial Services Lending and Leasing Oracle Analytics Server





Oracle Financial Services Lending and Leasing Oracle Analytics Server, Release 15.0.0.0.0

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Preface

This topic contains following sub-topics:

- **Purpose**
- **Prerequisites**
- **Audience**
- **Documentation Accessibility**
- **Critical Patches**
- **Diversity and Inclusion**
- **Conventions**
- Screenshot Disclaimer

Purpose

This document contains notes and installation steps needed to install and Configure Oracle Analytics Publisher. Oracle Financial Services Lending and Leasing relies on this software to configure reports and this document is in no way meant to replace Oracle documentation supplied with this Oracle product or available via Oracle technical support. The purpose of this document is only meant to supplement the Oracle documentation and to provide Oracle Financial Services Lending and Leasing specific installation instructions.

For recommendations on security configuration, refer Security Configuration Guide.

Prerequisites

The following software are required to install Oracle Financial Services Lending and Leasing application and they are available from the following sources:

- Oracle Software Delivery Cloud (http://edelivery.oracle.com/)
- Oracle Technology Network (OTN)
 - 1. JDK Version 1.8.0 461 or above (https://www.oracle.com/technetwork/java/javase/ downloads/idk8-downloads-2133151.html)
 - 2. Oracle WebLogic Server 12c Version 12.2.1.4.0 (Fusion Middleware Infrastructure Installer) http://www.oracle.com/technetwork/middleware/weblogic/downloads/wlsmain-097127.html
 - 3. Oracle Analytic Server (OAS) 8.2.0 https://www.oracle.com/solutions/businessanalytics/analytics-server/analytics-server.html



(i) Note

Please use all 64-bit software's for machine hosted with 64-bit O/S.



Audience

This document is intended for system administrators or application developers who are installing Oracle Financial Services Lending and Leasing Application.

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

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Critical Patches

Oracle advises customers to get all their security vulnerability information from the Oracle Critical Patch Update Advisory, which is available at <u>Critical Patches</u>, <u>Security Alerts and Bulletins</u>. All critical patches should be applied in a timely manner to make sure effective security, as strongly recommended by <u>Oracle Software Security Assurance</u>.

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Oracle is fully committed to diversity and inclusion. Oracle respects and values having a diverse workforce that increases thought leadership and innovation. As part of our initiative to build a more inclusive culture that positively impacts our employees, customers, and partners, we are working to remove insensitive terms from our products and documentation. We are also mindful of the necessity to maintain compatibility with our customers' existing technologies and the need to ensure continuity of service as Oracle's offerings and industry standards evolve. Because of these technical constraints, our effort to remove insensitive terms is ongoing and will take time and external cooperation.

Conventions

The following text conventions are used in this document:

Table Convention

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.



Screenshot Disclaimer

Personal information used in the interface or documents is dummy and does not exist in the real world. It is only for reference purposes.

Install OA Publisher

The following section explains the steps to install Oracle Analytics publisher.

Installing OA Publisher

1.1 Installing OA Publisher

Follow the below steps to install Oracle Analytics publisher:

- 1. Download and unzip 'V1048371-01.zip'.
- Navigate to . jar file location.
- Run the command java -jar Oracle_Analytics_Server_2025_Linux.jarThe following window is displayed.

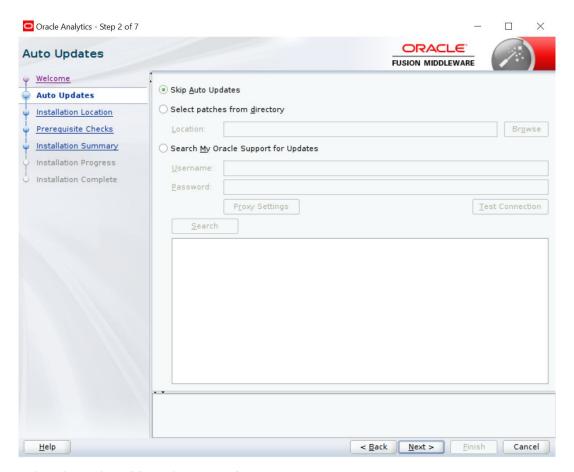
Figure 1-1 Oracle Analytics Installer window



Click Next.



Figure 1-2 Auto Updates window



- 5. Select the option **Skip Software Updates**.
- 6. Click Next.



Figure 1-3 Installation Location

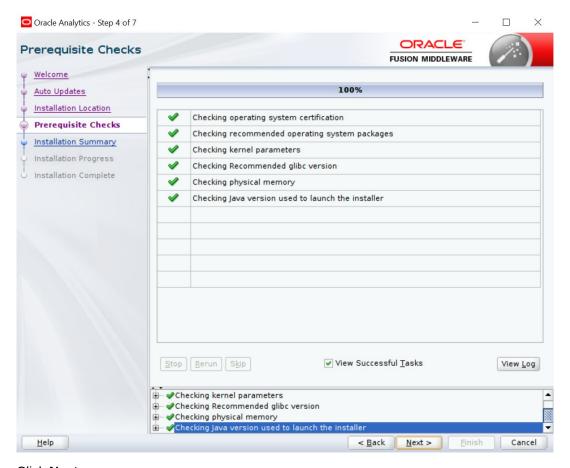


7. Browse Oracle Middleware Home path

(for example /u01/Middleware/Weblogic12cHome) and click **Next**.



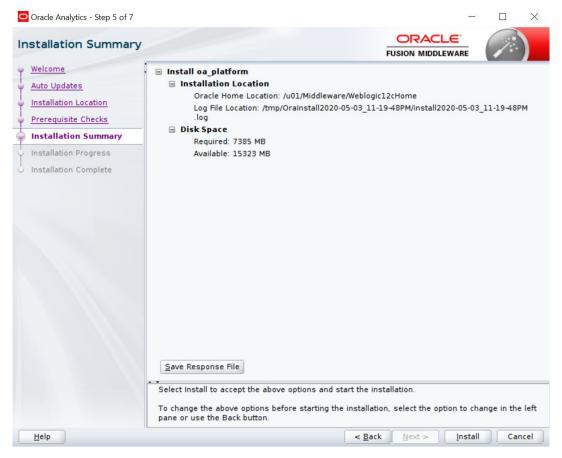
Figure 1-4 Prerequisite Check



8. Click Next.



Figure 1-5 Installation Summary



Click Install.



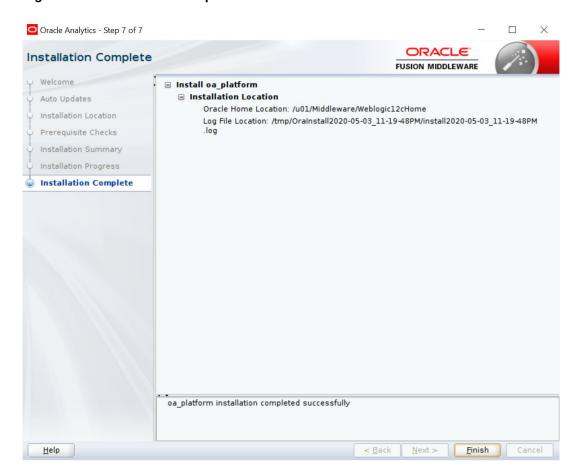
Figure 1-6 Installation Progress



10. Click Next. Once the installation is complete click Finish to close.



Figure 1-7 Installation Complete



Configure OA Publisher

The following sections details the steps to configure OA Publisher.

- Configuring OA Publisher
- Verifying Successful OA Publisher Deployment

2.1 Configuring OA Publisher

After installing OA Publisher, the next step is to configure OA Publisher.

To configure OA Publisher

- Launch configuration window and browse to \$BI_HOME/bin (for example, BI_HOME is /u01/Middleware/Weblogic12cHome/bi).
- 2. Run ./config.sh.

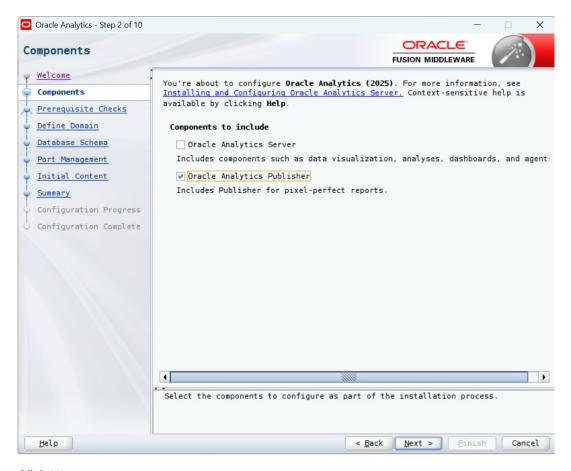
Figure 2-1 Oracle Analytics Configuration Assistant window





3. Select the option Oracle Analytics Publisher and Click Next.

Figure 2-2 Configuration



Click Next.



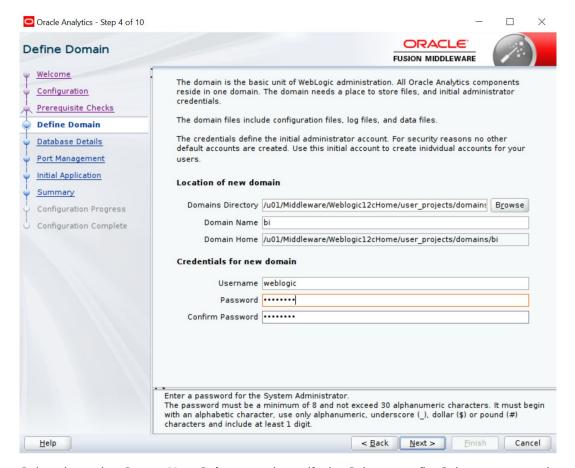
Figure 2-3 Prerequisite Checks



5. Enter the User Name, Password and Domain Name for OA Publisher domain. Click **Next**. The following window is displayed.



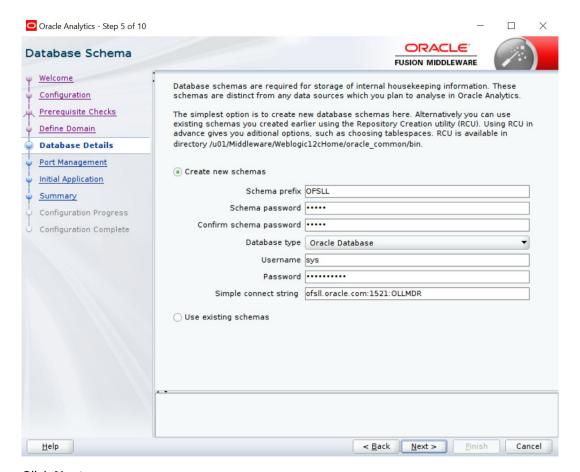
Figure 2-4 Define Domain



- **6.** Select the option **Create New Schema** and specify the Schema prefix, Schema password, database type, user name, password, simple connect string.
- Click Next.



Figure 2-5 Database details



Click Next.



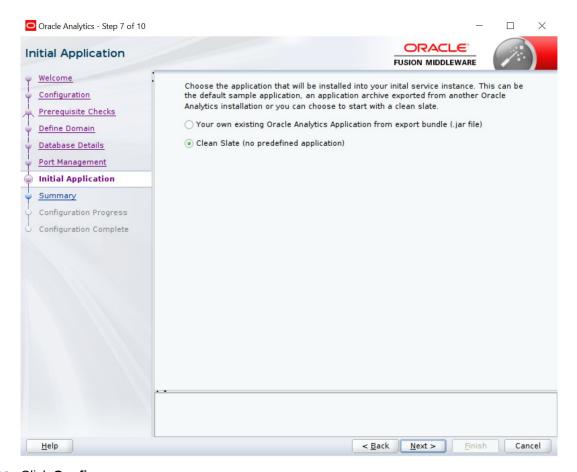
Figure 2-6 Port Management



Click Next.



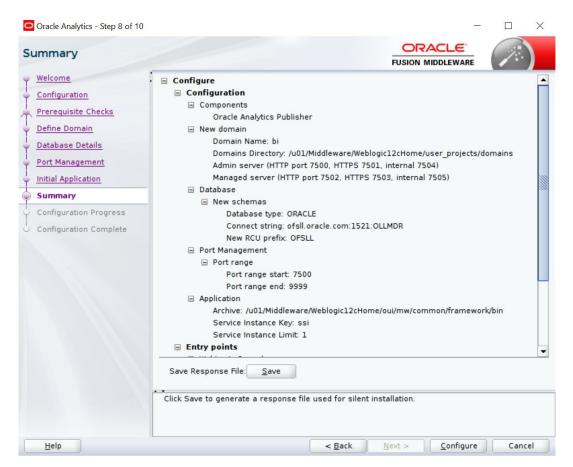
Figure 2-7 Initial Application



10. Click Configure.

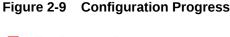


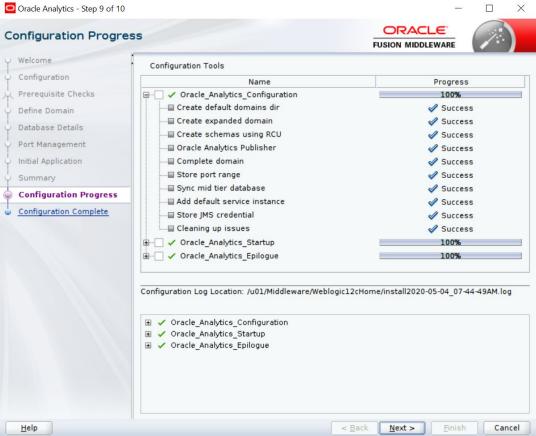
Figure 2-8 Summary



11. Click Next.







- 12. Click Save and save the Response File.
- **13.** Click **Finish**. The application will create a new domain for OA Publisher with the details as highlighted in the above screen.

2.2 Verifying Successful OA Publisher Deployment

Successful OA Publisher deployment can be verified by launching the OA Publisher URL http://hostname:http://hostname:port>/xmlpserver.

Create OA Publisher Datasource

The following sections details the steps to be followed to create OA Publisher Datasource.

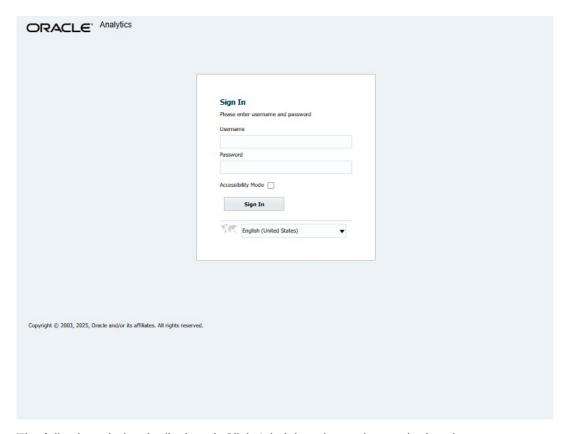
- Creating OA Publisher Datasource
- Creating Roles

3.1 Creating OA Publisher Datasource

To create OA Publisher Datasource, do the following:

1. Access the console URL using http://hostname:<port>/xmlpserver.

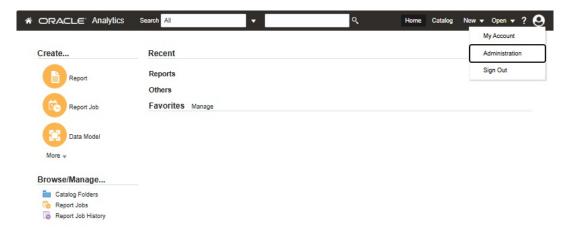
Figure 3-1 Sign in page



2. The following window is displayed. Click Administration option on the header.



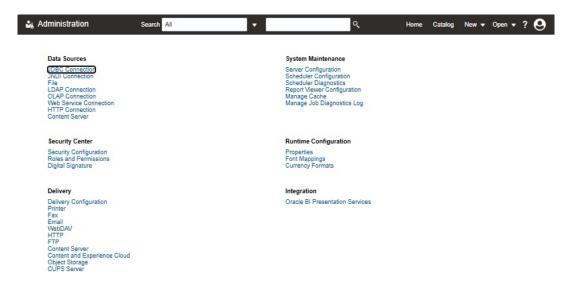
Figure 3-2 Home page



3. Click on JDBC Connection.



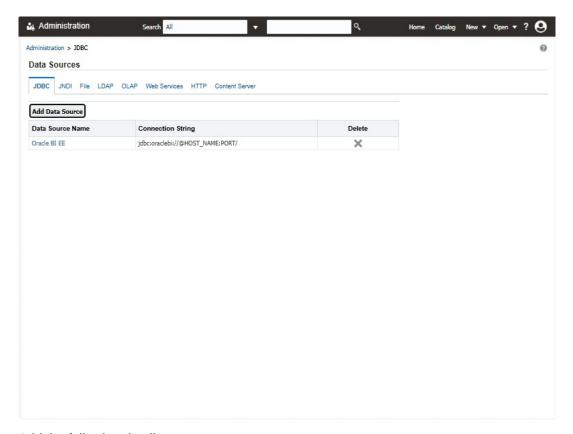
Figure 3-3 Administration page



4. Click Add Data Source.



Figure 3-4 JDBC page



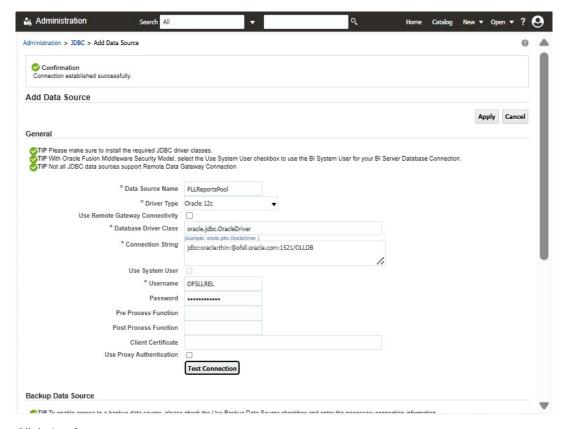
- 5. Add the following details:
 - Specify Data Source Name as FLLReportsPool.
 - Click on Test Connection.
 - Under **Security** section, select **BI Author Role** and **BI Consumer Role** from Available Roles and assign them as Allowed Roles.

① Note

If "BI Author" and "BI Consumer" roles are not displayed in the 'Available Roles' section, you need to create the roles as explained in following 'Creating Roles' section



Figure 3-5 Details page



6. Click Apply.

3.2 Creating Roles

The following sections details the steps to be followed to create "BI Author" and "BI Consumer" roles which are used to define security roles while creating Data Source on OA Publisher.

- Creating WebLogic Application Role
- Creating WebLogic Application Policies

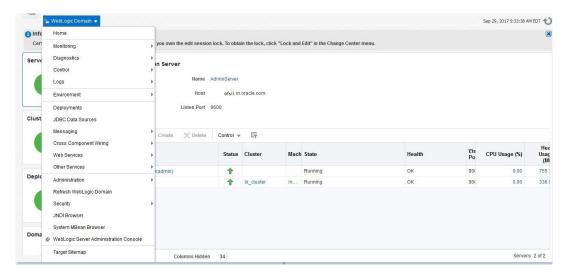
3.2.1 Creating WebLogic Application Role

To create WebLogic Application Role

- 1. Login to Enterprise Manager using the URL http://hostname:port/em.
- Select Weblogic Domain > Security > Application Roles as indicated in the following screen.

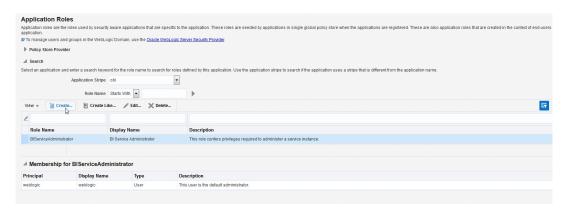


Figure 3-6 WebLogic Application Role 1



3. In the Application Stripe field, select **obi** from the drop-down list. The option **OAServiceAdministrator** is added by default. Click **Create**.

Figure 3-7 WebLogic Application Role 2



- **4.** Specify the following details:
 - Role Name
 - Display Name
 - Description

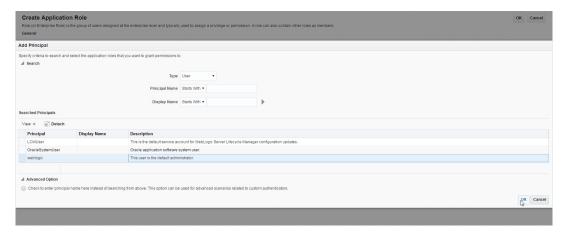
Figure 3-8 WebLogic Application Role 3





5. Click Add to add the application role to the members family. The same can later be mapped to required Users or Groups defined in Enterprise LDAP server, or the role can be mapped to other application roles.

Figure 3-9 WebLogic Application Role 4



Add the Weblogic User by selecting weblogic in the Searched Principals section and click OK. The Weblogic User is added to the application role.

Figure 3-10 WebLogic Application Role 5



7. Click **OK**. The new role is added to the list of application roles.

Figure 3-11 WebLogic Application Role 6



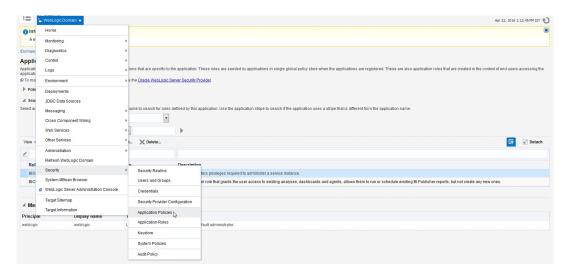


3.2.2 Creating WebLogic Application Policies

To Create WebLogic Application Policies

- 1. Login to Enterprise Manager using the URL http://hostname:port/em.
- 2. Select Weblogic Domain > Security > Application Policies as indicated in the following screen:

Figure 3-12 WebLogic Application Policies 1



3. In the Application Stripe field, select **obi** from the drop-down list. Click **Create**.

Figure 3-13 WebLogic Application Policies 2



4. In Create Application Grant screen, under the Grantee section, click Add.

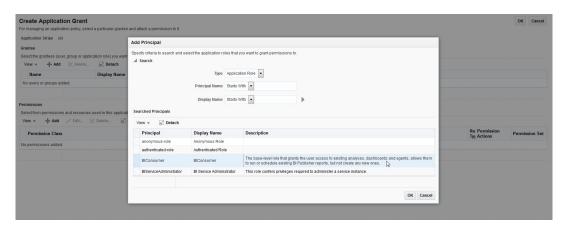


Figure 3-14 WebLogic Application Policies 3



5. Select the newly created application role from the list and click **OK**. The new role is added to the list.

Figure 3-15 WebLogic Application Policies 4



6. In the **Permissions** section, click **Add**.

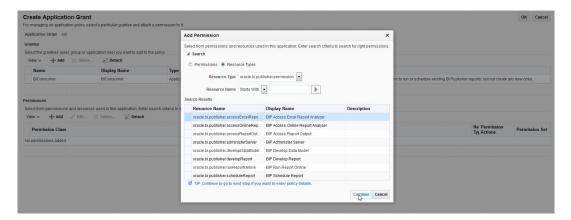
Figure 3-16 WebLogic Application Policies 5



In the search criteria, select Resource Type and select the resource type from the dropdown list. Select the required resource from the search results and click Continue.

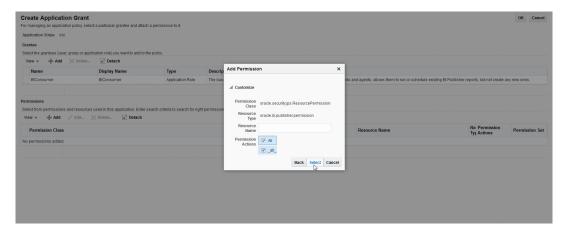


Figure 3-17 WebLogic Application Policies 6



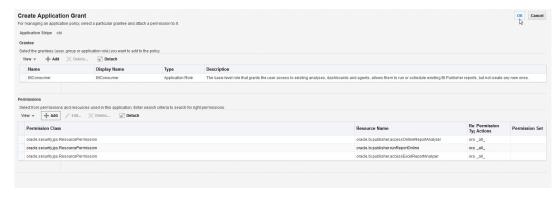
8. Define the required permission(s) for the application role by selecting the appropriate Permission Class and Permissions Actions check box. Click **Select**.

Figure 3-18 WebLogic Application Policies 7



The selected permissions are defined to the application role. Similarly you can define the required permissions for other application roles.

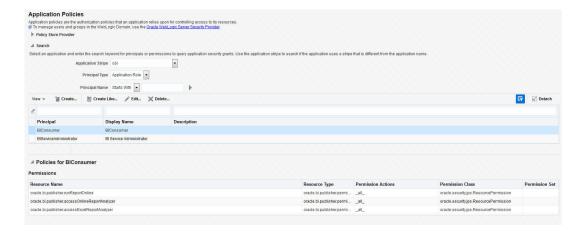
Figure 3-19 WebLogic Application Policies 8



10. Once done, click OK.



Figure 3-20 WebLogic Application Policies 9



Import Reports to OA Publisher Server

The following section details how to import ofsll application reports to OA Publisher Server.

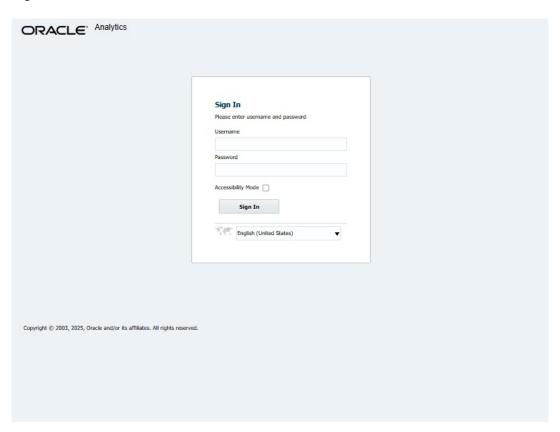
Importing Reports to OA Publisher Server

4.1 Importing Reports to OA Publisher Server

To import ofsll application reports to OA Publisher Server, do the following:

- 1. Copy and extract the OFSLLReports.zip file to staging area.
- Launch the Oracle Analytics Intelligence Publisher Application using http://hostname:port/xmlpserver.
- 3. Login with valid credentials.

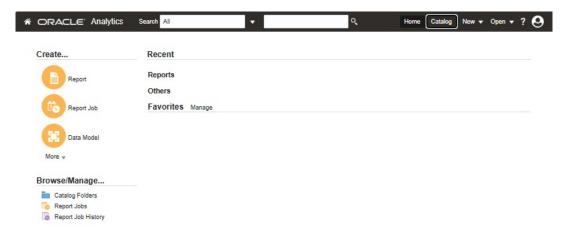
Figure 4-1 OA Publisher Server 1



4. Following window is displayed. Click on **Catalog Folders** on the left pane.



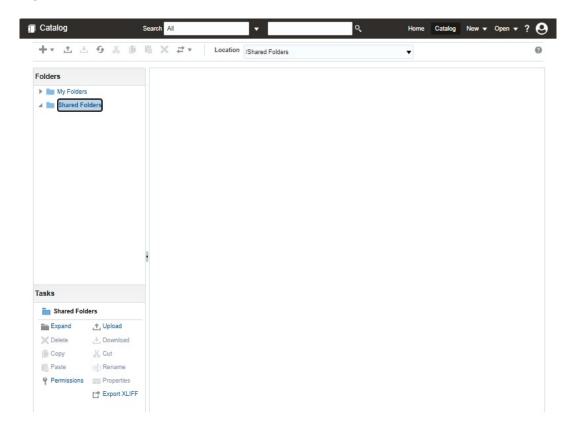
Figure 4-2 OA Publisher Server 2



5. Click on Shared Folders option and then click Upload.



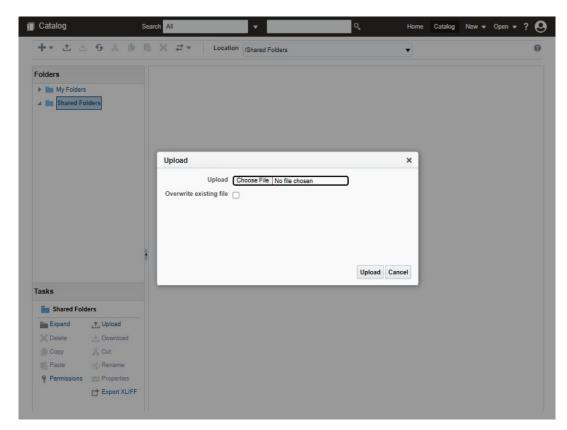
Figure 4-3 OA Publisher Server 3



6. The following window is displayed. Browse to the location where the oracle.xdrz file is saved. Click the **Overwrite Existing File** check box if you are overwriting an existing directory.



Figure 4-4 OA Publisher Server 4



7. Click on Upload.



Figure 4-5 OA Publisher Server 5

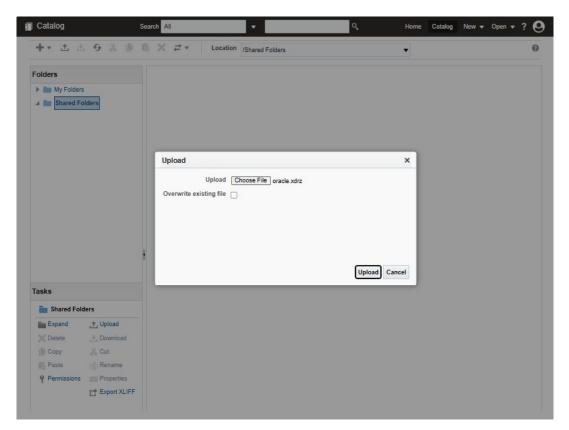
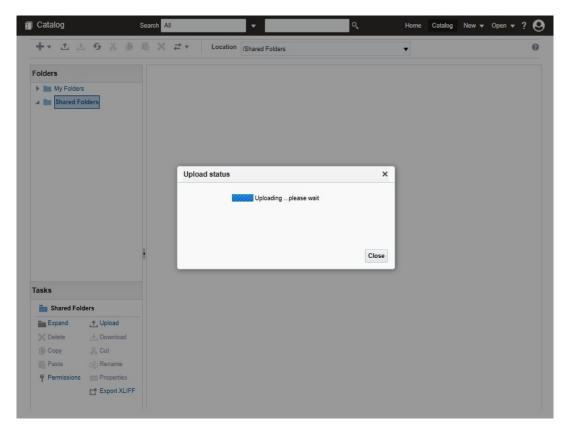




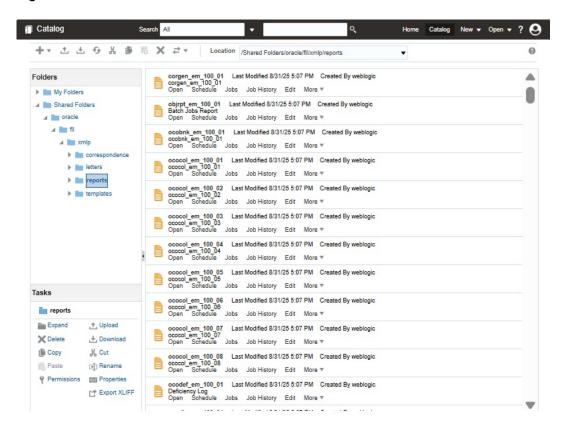
Figure 4-6 OA Publisher Server 6



Once the upload is completed, click any folder to see the list of reports under the directory.The following window is displayed.



Figure 4-7 OA Publisher Server 7



Configure MDB Mail Server

The following section details the steps to configure the MDB (Message Driven Bean) email server.

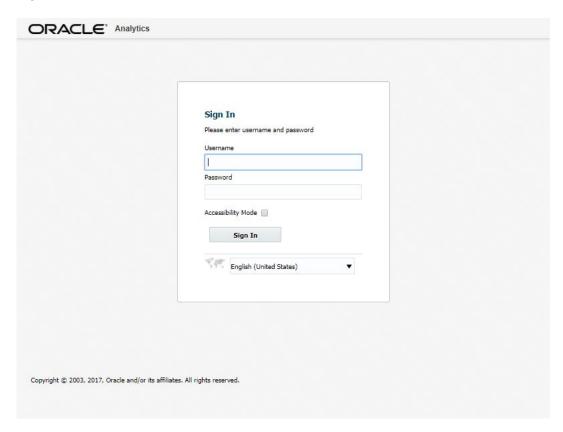
Configuring MDB Mail Server

5.1 Configuring MDB Mail Server

Refer to the following instructions to configure the MDB email server. This is required for outbound email communications.

Launch the Oracle Analytics Publisher application (http://hostname:port/xmlpserver).
 The following window is displayed.

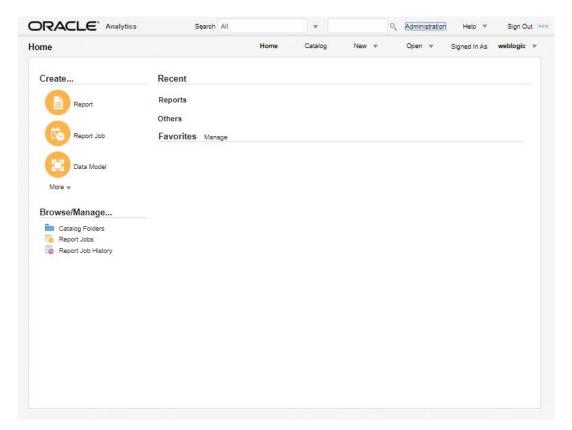
Figure 5-1 MDB Mail Server 1



2. Login using the valid credentials.



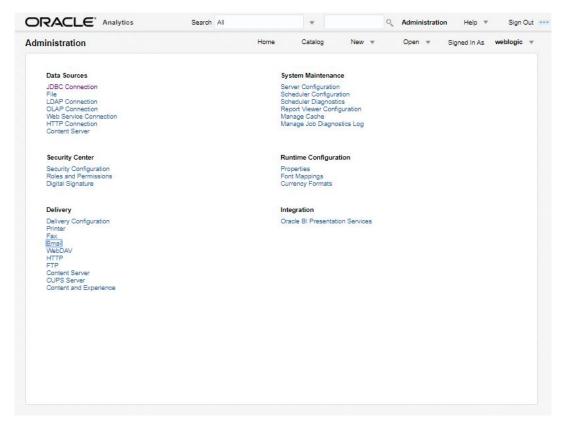
Figure 5-2 MDB Mail Server 2



3. Click Administration.



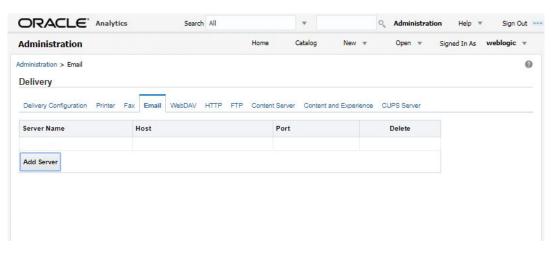
Figure 5-3 MDB Mail Server 3



4. Click Email.

The following window is displayed.

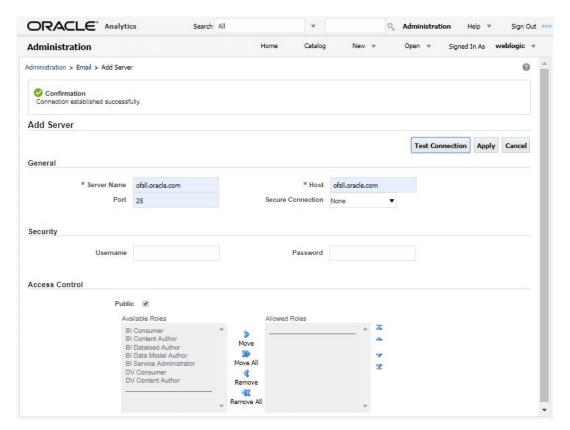
Figure 5-4 MDB Mail Server 4



Click Add Server.



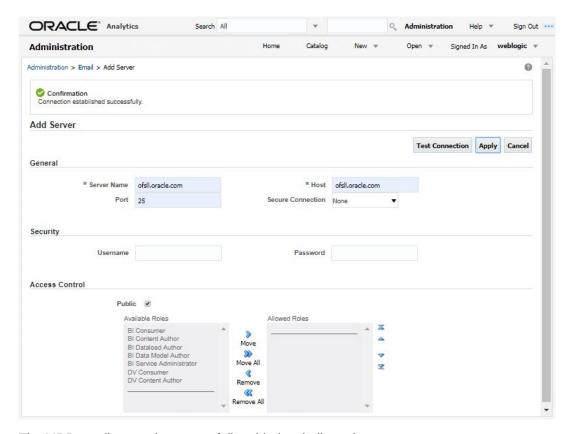
Figure 5-5 MDB Mail Server 5



- 6. Specify the Server details (server name, host, and port number) and click **Test Connection**. On completion, a confirmation message is displayed as indicated.
- 7. Click Apply.



Figure 5-6 MDB Mail Server 6



B. The MDB email server is successfully added as indicated.

Figure 5-7 MDB Mail Server 7

