

Oracle® Financial Services Lending and Leasing

Oracle Analytics Server



Release 15.1.0.0.0

G53938-01

April 2026

The Oracle logo, consisting of a solid red square with the word "ORACLE" in white, uppercase, sans-serif font centered within it.

ORACLE®

Oracle Financial Services Lending and Leasing Oracle Analytics Server, Release 15.1.0.0.0

G53938-01

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Contents

1	Install OA Publisher	
1.1	Installing OA Publisher	1
2	Configure OA Publisher	
2.1	Configuring OA Publisher	1
2.2	Verifying Successful OA Publisher Deployment	9
3	Create OA Publisher Datasource	
3.1	Creating OA Publisher Datasource	1
3.2	Creating Roles	5
3.2.1	Creating WebLogic Application Role	5
3.2.2	Creating WebLogic Application Policies	8
4	Import Reports to OA Publisher Server	
4.1	Importing Reports to OA Publisher Server	1
5	Configure MDB Mail Server	
5.1	Configuring MDB Mail Server	1

Preface

This topic contains the 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 jdk-21.0.10 <https://www.oracle.com/java/technologies/javase/jdk21-archive-downloads.html>.
 2. Oracle WebLogic Server 14c Version 14.1.2.0.0 (Fusion Middleware Infrastructure Installer) <https://www.oracle.com/middleware/technologies/weblogic-server-installers-downloads.html>.
 3. Oracle Analytic Server (OAS) 26.01.0 <https://www.oracle.com/solutions/business-analytics/analytics-server/analytics-server.html>.

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

Oracle customer access to and use of Oracle support services will be pursuant to the terms and conditions specified in their Oracle order for the applicable services.

Critical Patches

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

Diversity and Inclusion

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.
<i>italic</i>	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.

1

Install OA Publisher

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

- [Installing OA Publisher](#)

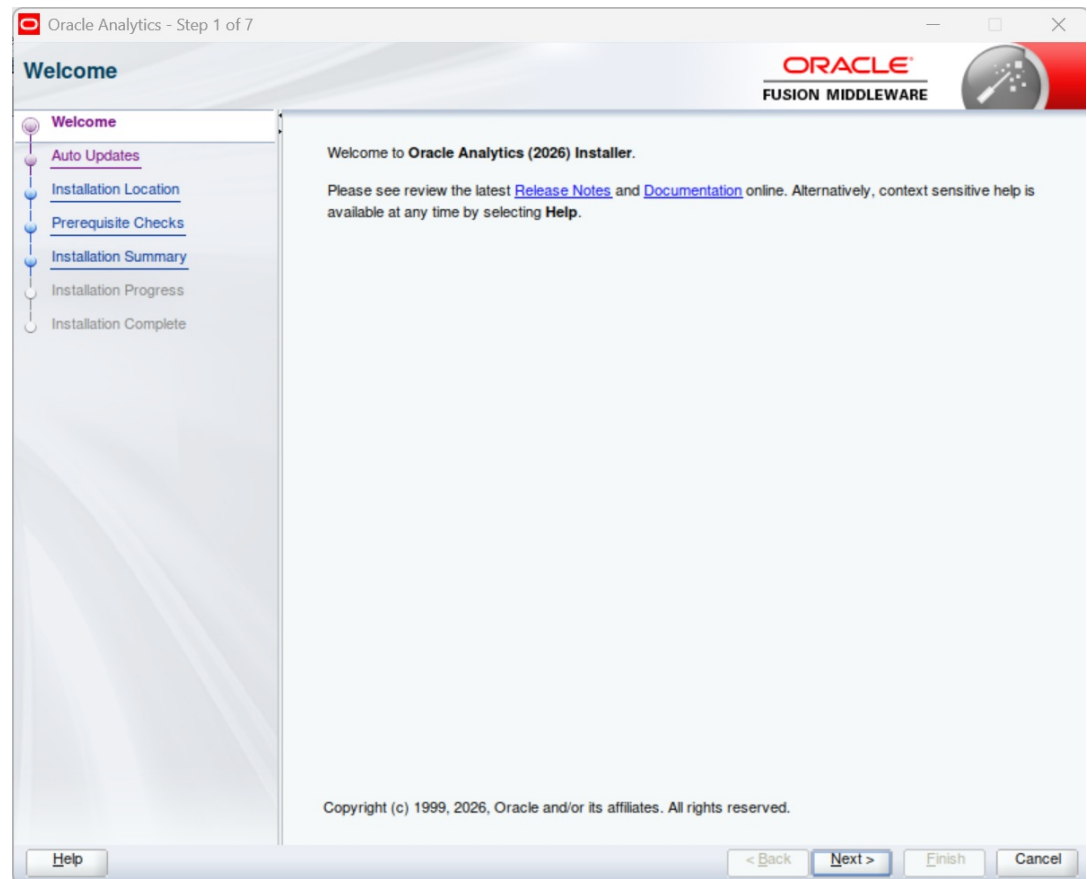
1.1 Installing OA Publisher

Follow the below steps to install Oracle Analytics publisher:

1. Download and unzip 'V1055080-01.zip'.
2. Navigate to .jar file location.
3. Run the command `java -jar Oracle_Analytics_Server_2026_Linux.jar`

The following window is displayed.

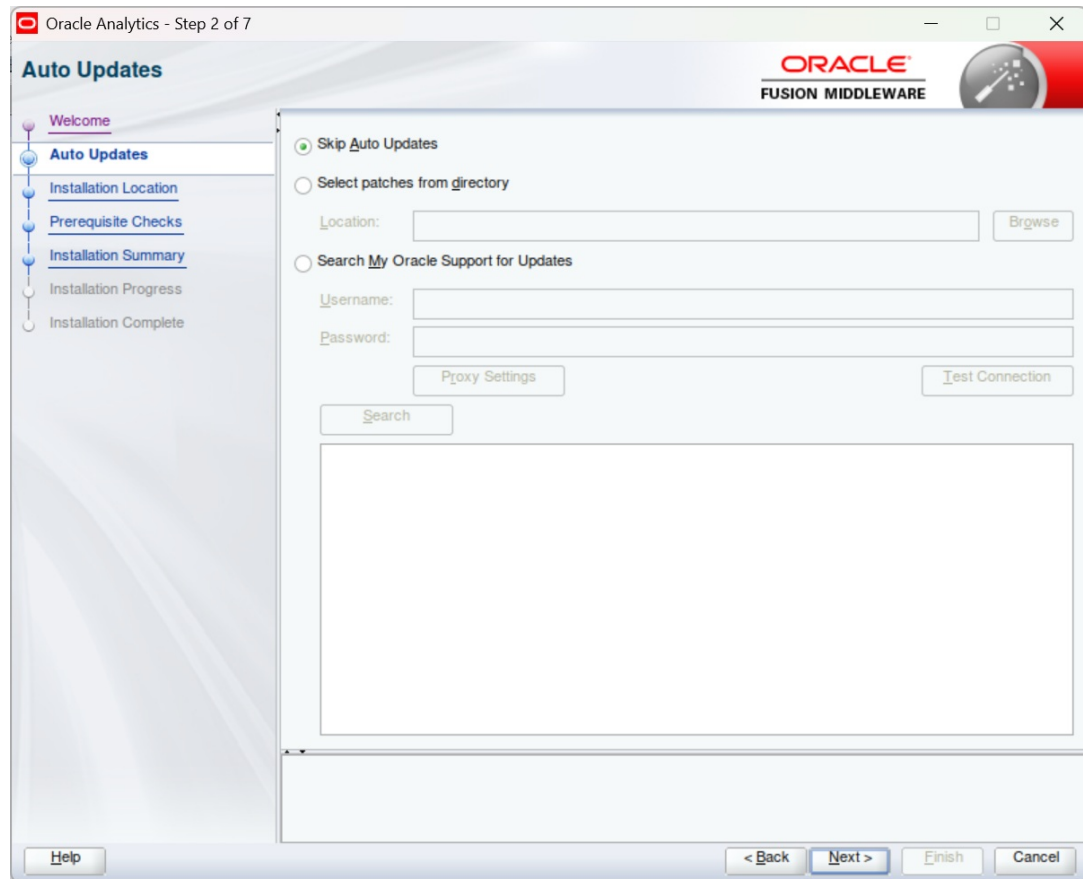
Figure 1-1 Oracle Analytics Installer window



4. Click **Next**.

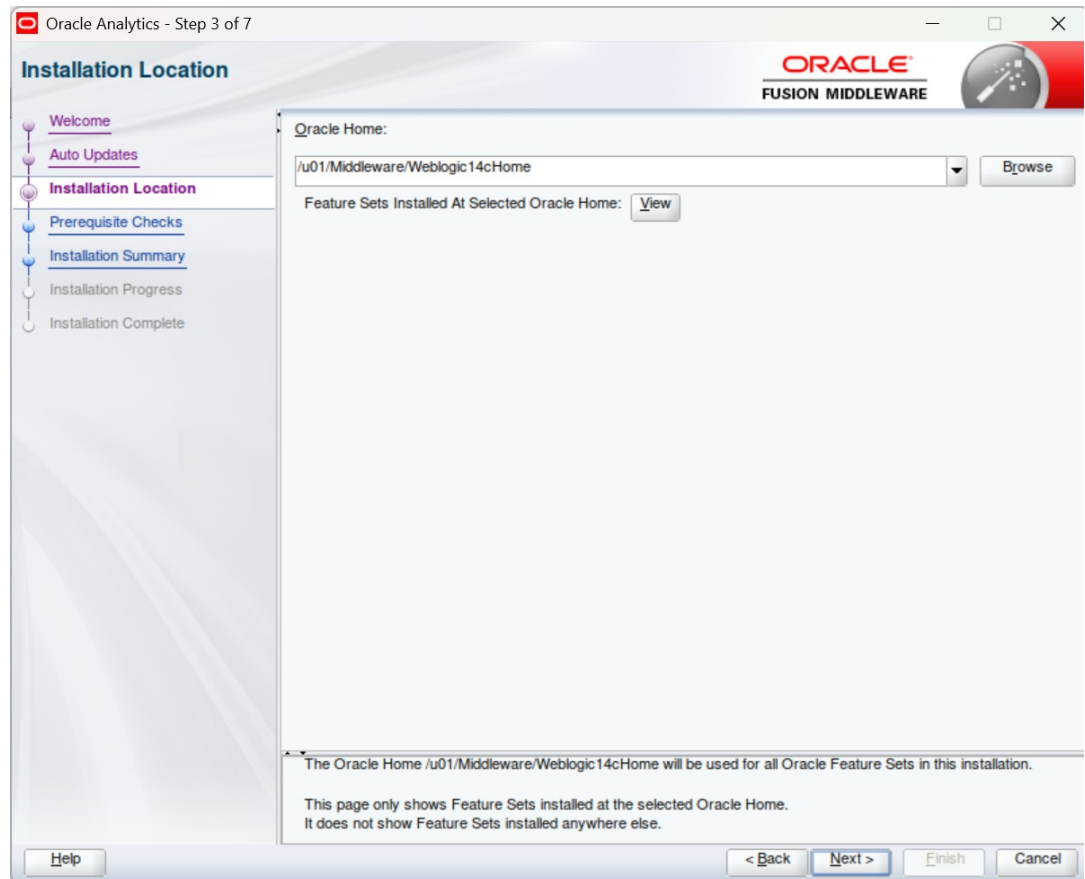
The following window is displayed.

Figure 1-2 Auto Updates window



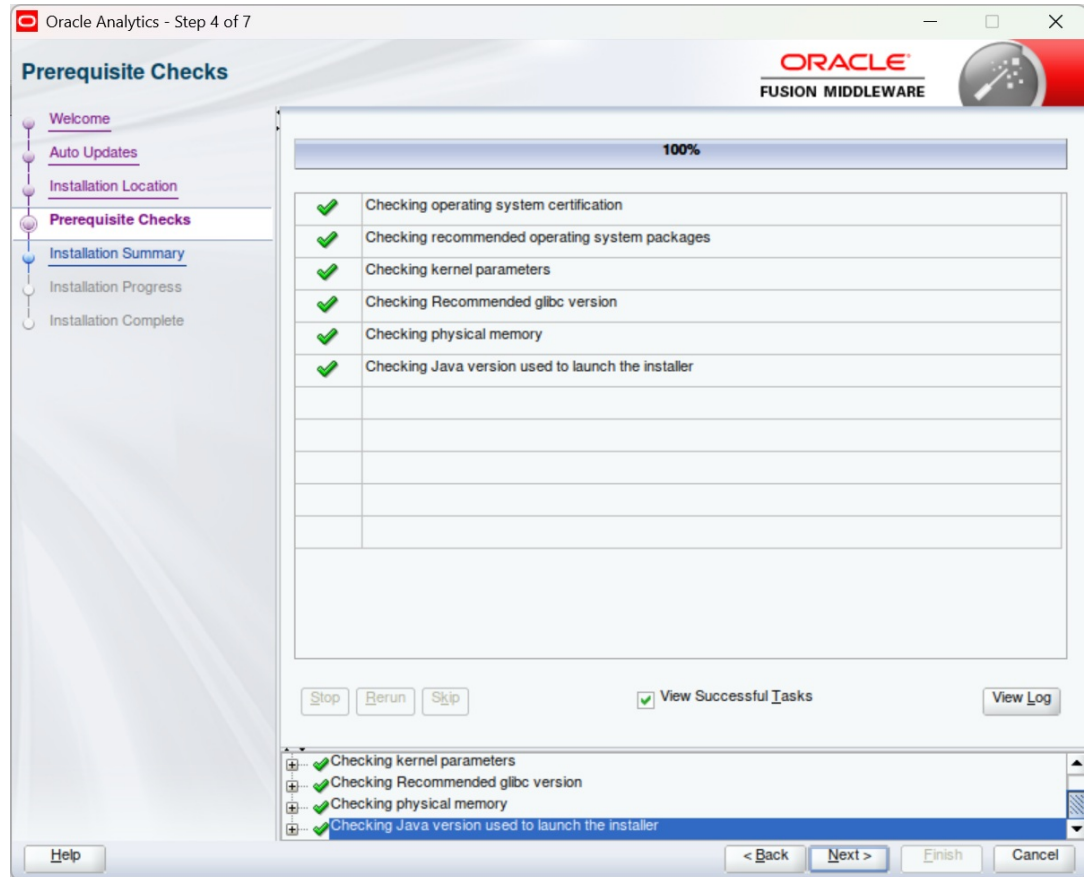
5. Select the option **Skip Software Updates**.
6. Click **Next**.

The following window is displayed.

Figure 1-3 Installation Location

7. Browse Oracle Middleware Home path
(For example `/u01/Middleware/Weblogic14cHome`) and click **Next**.
The following window is displayed.

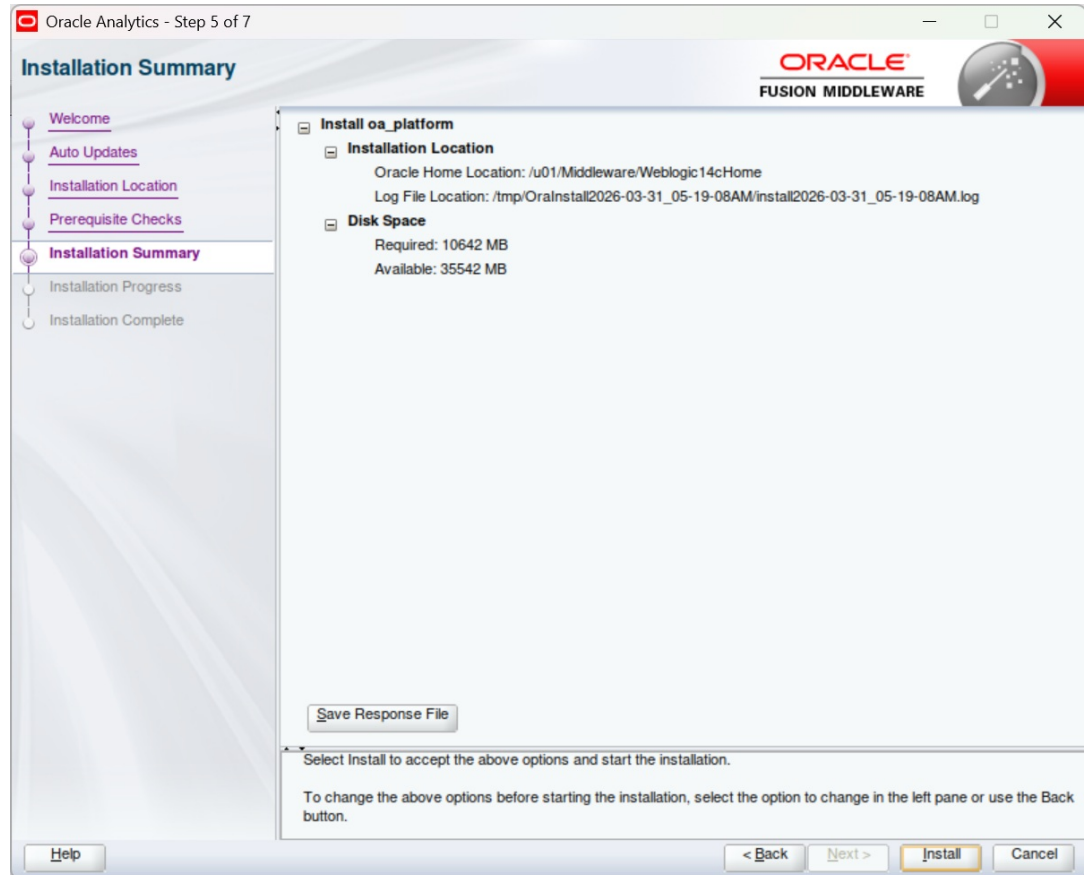
Figure 1-4 Prerequisite Check



8. Click **Next**.

The following window is displayed.

Figure 1-5 Installation Summary



9. Click **Install**.

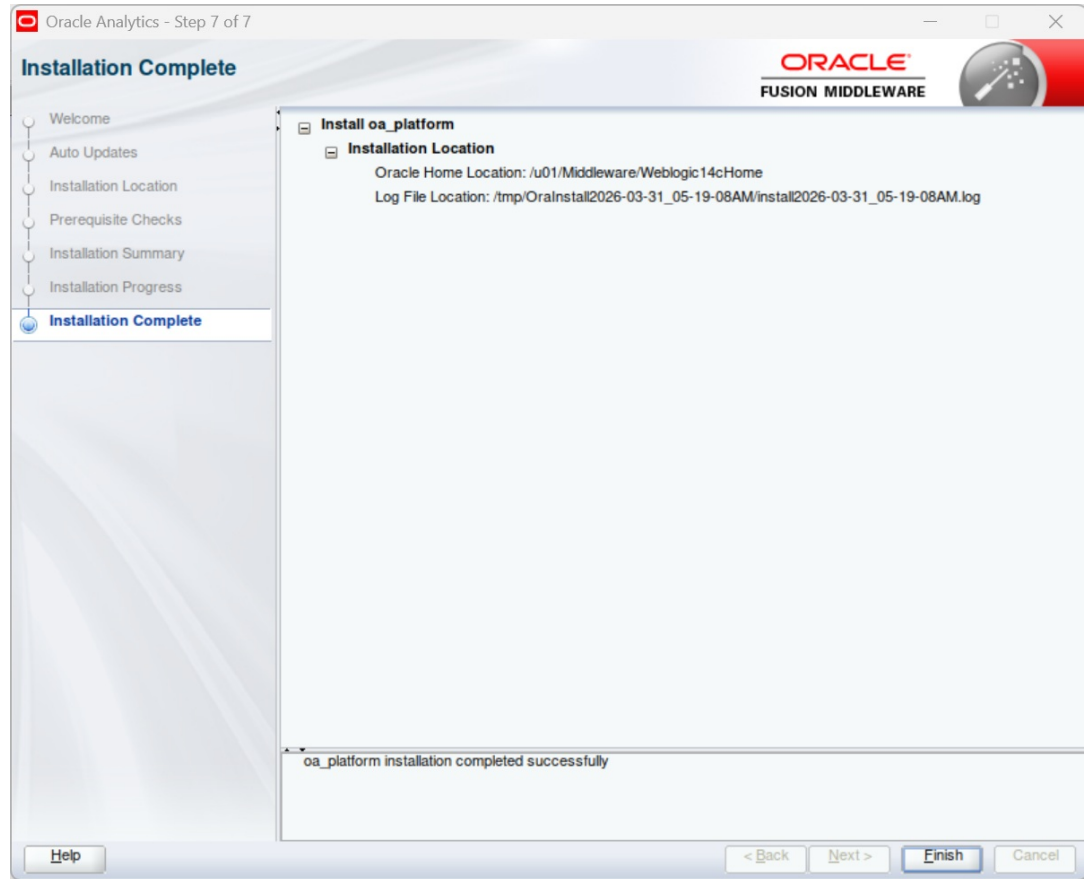
The following window is displayed.

Figure 1-6 Installation Progress



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

Figure 1-7 Installation Complete



2

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

1. Launch configuration window and browse to `$BI_HOME/bin`
(For example, BI_HOME is `/u01/Middleware/Weblogic14cHome/bi`).
2. Run `./config.sh`.

The following window is displayed.

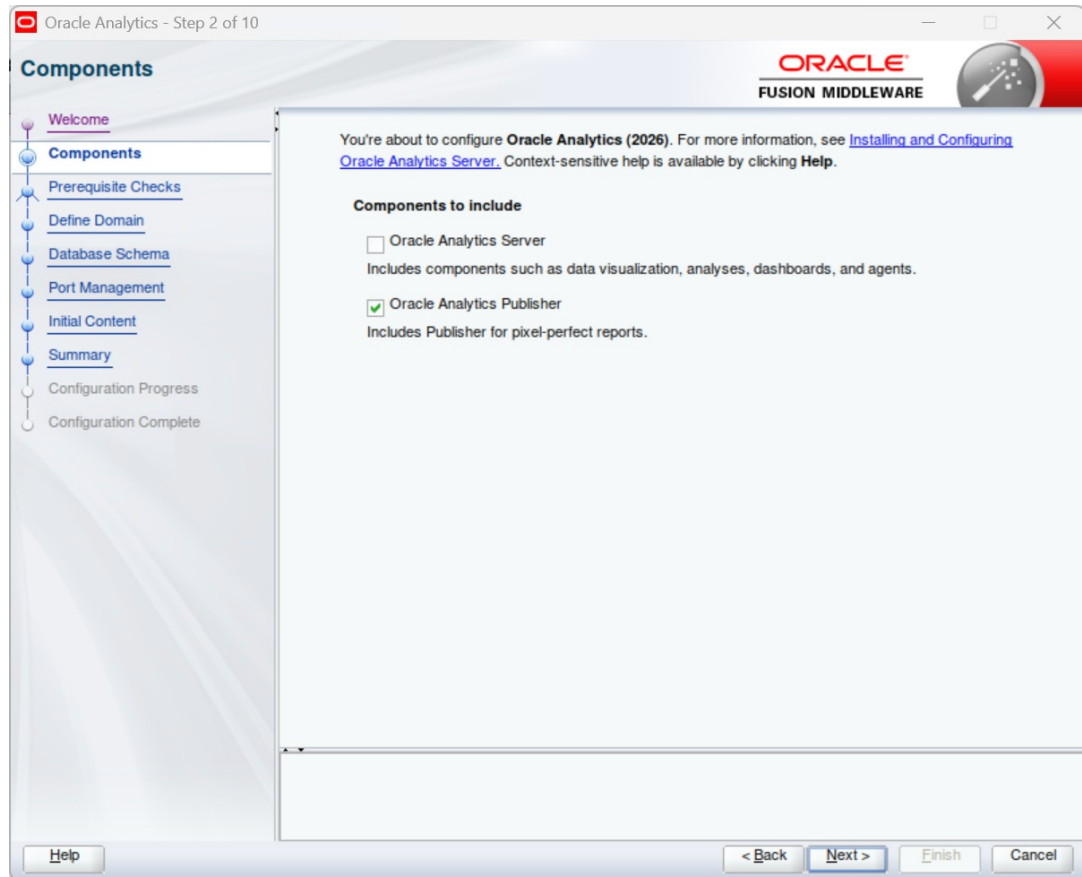
Figure 2-1 Oracle Analytics Configuration Assistant Window



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

The following window is displayed.

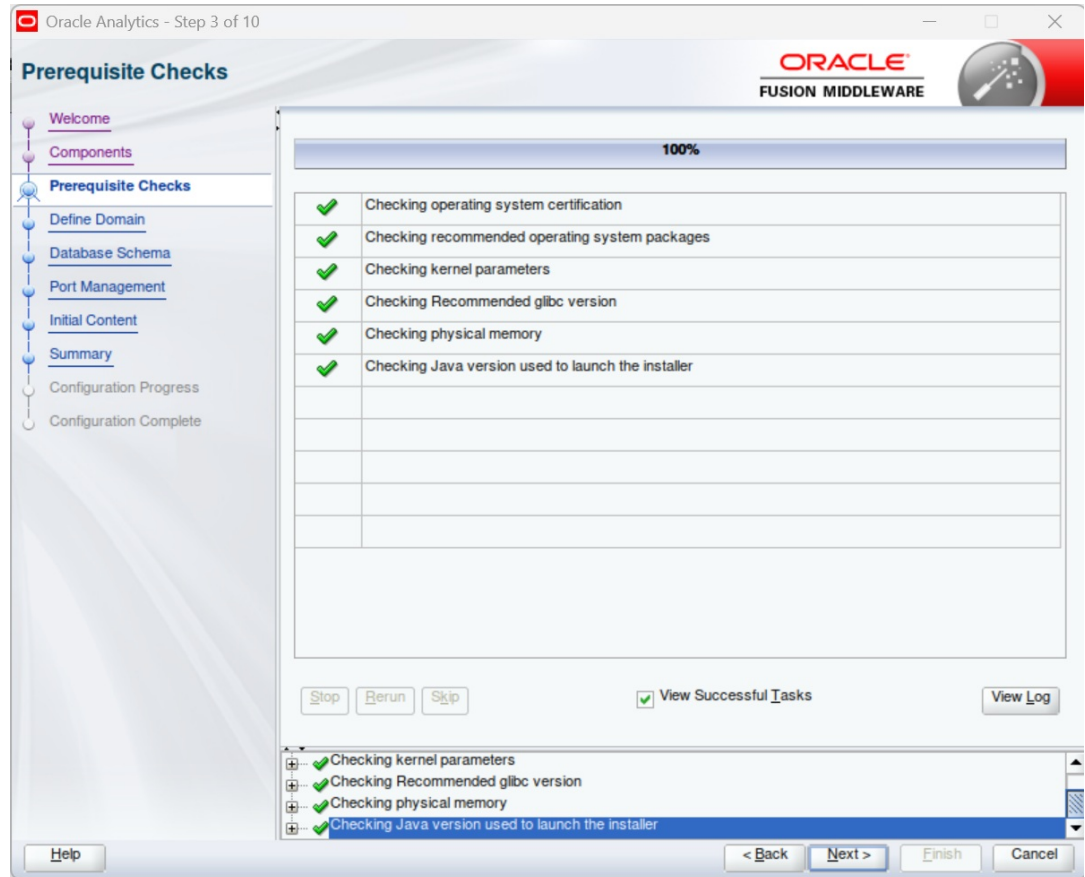
Figure 2-2 Configuration



4. Click **Next**.

The following window is displayed.

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

Oracle Analytics - Step 4 of 10

Define Domain

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The domain is the basic unit of WebLogic administration. All Oracle Analytics components reside in one domain. The domain needs a place to store files, and initial administrator credentials.

The domain files include configuration files, log files, and data files.

The username and password you enter here define credentials for the default system administrator account. For security reasons, there is only one default account. Later on, you use this default account to create accounts for other users.

Location of new domain

Domains Directory

Domain Name

Domain Home

Credentials for new domain

Username

Password

Confirm Password

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

The following window is displayed.

Figure 2-5 Database Details

Oracle Analytics - Step 5 of 10

Database Schema

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Welcome
Components
Prerequisite Checks
Define Domain
Database Schema
Port Management
Initial Content
Summary
Configuration Progress
Configuration Complete

Oracle Analytics uses several database schemas to store internal information. These schemas are distinct from any data sources you plan to analyze in Oracle Analytics.

Your simplest option is to create schemas here. Alternatively, you can use schemas created previously with the Repository Creation Utility (RCU). Using RCU in advance provides more options, such as selecting table spaces. You can find RCU in this directory:
/u01/Middleware/Weblogic14cHome/oracle_common/bin.

Create new schemas

Schema prefix: OFSLL

Schema password: ****

Confirm schema password: ****

Database type: Oracle Database

Username: sys

Password: *****

Simple connect string: ofsll.oracle.com:1522:OLLMDR

Role: SYSDBA

Use existing schemas

Help < Back Next > Finish Cancel

8. Click **Next**.

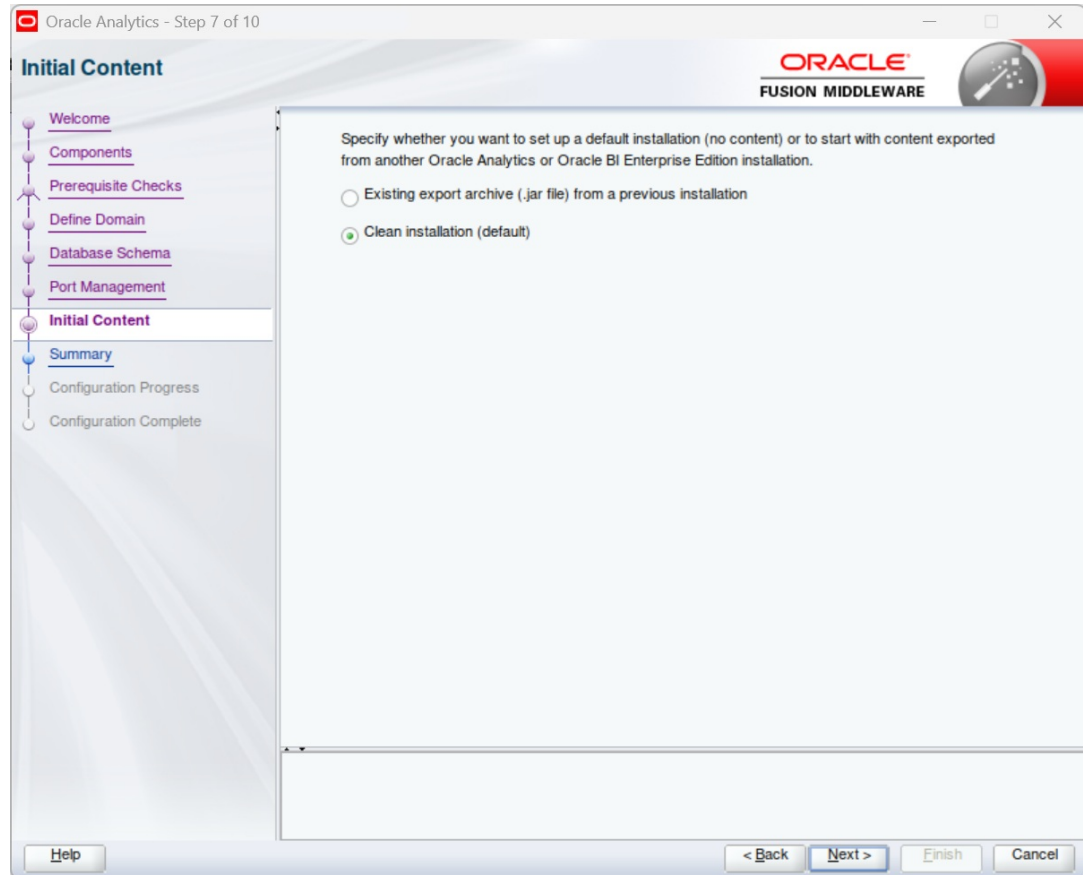
The following window is displayed.

Figure 2-6 Port Management

The screenshot shows the 'Port Management' configuration window in Oracle Analytics. The window title is 'Oracle Analytics - Step 6 of 10'. The Oracle logo and 'FUSION MIDDLEWARE' are visible in the top right corner. On the left, a navigation pane lists the following steps: Welcome, Components, Prerequisite Checks, Define Domain, Database Schema, **Port Management** (highlighted), Initial Content, Summary, Configuration Progress, and Configuration Complete. The main area contains the text 'Specify the ports that Oracle Analytics and WebLogic Server processes can use.' Below this, under the heading 'Port Range', there are two input fields: 'Port Range Starting Port' with the value '9500' and 'Port Range End Port' with the value '9999'. At the bottom of the window, there are four buttons: 'Help', '< Back', 'Next >', 'Finish', and 'Cancel'.

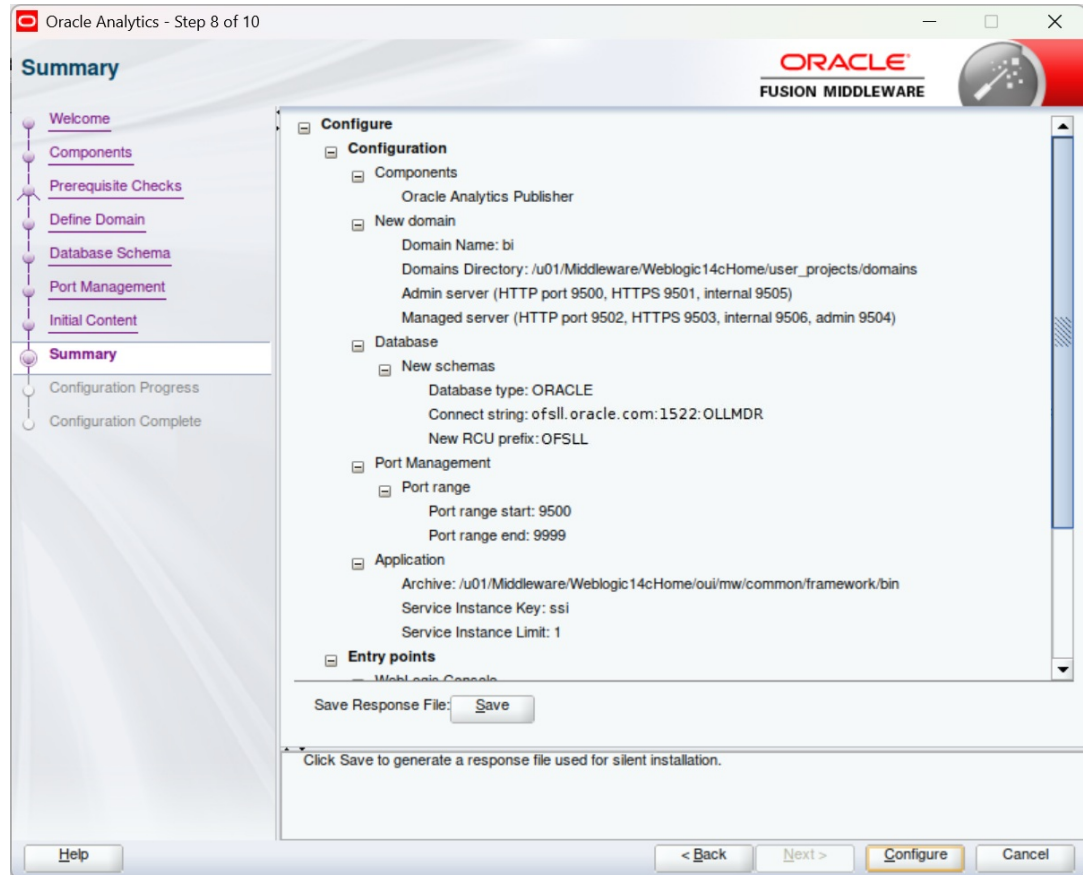
9. Click **Next**.

The following window is displayed.

Figure 2-7 Initial Application**10. Click **Configure**.**

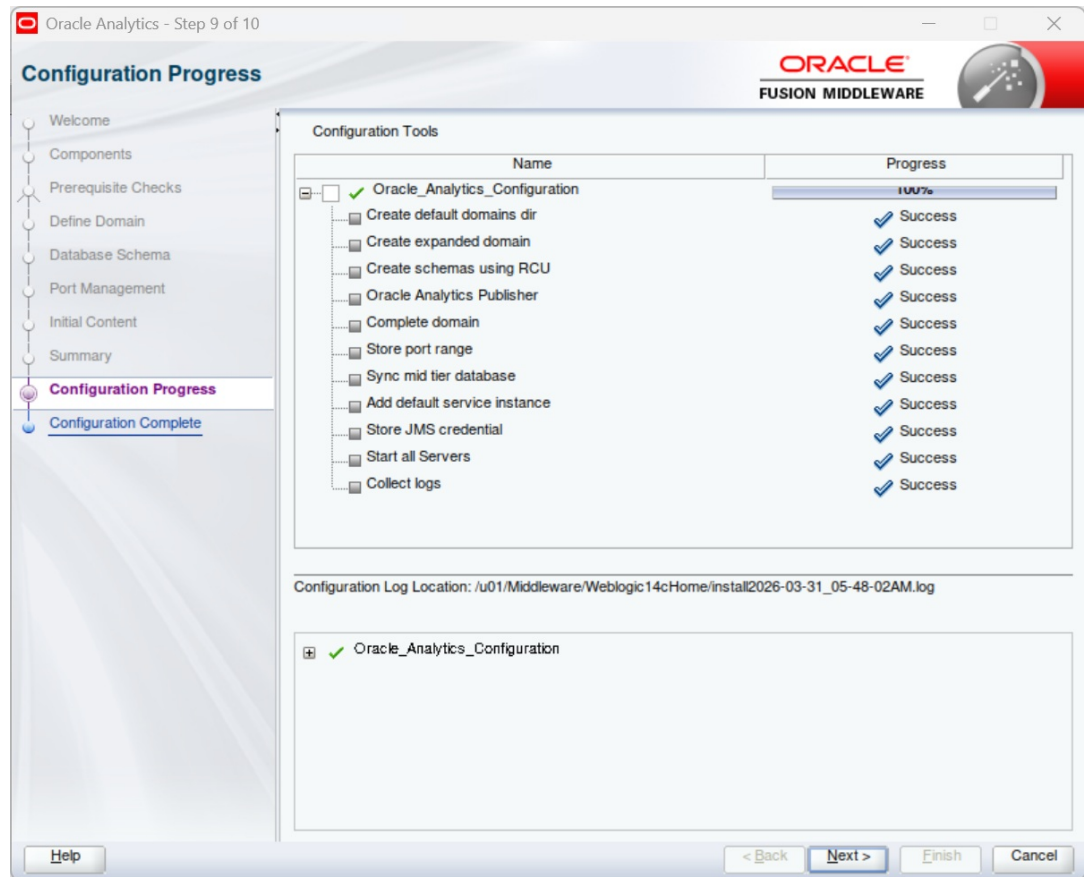
The following window is displayed.

Figure 2-8 Summary



11. Click **Next**.

The following window is displayed.

Figure 2-9 Configuration Progress

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:<port>/xmlpserver .`

3

Create OA Publisher Datasource

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

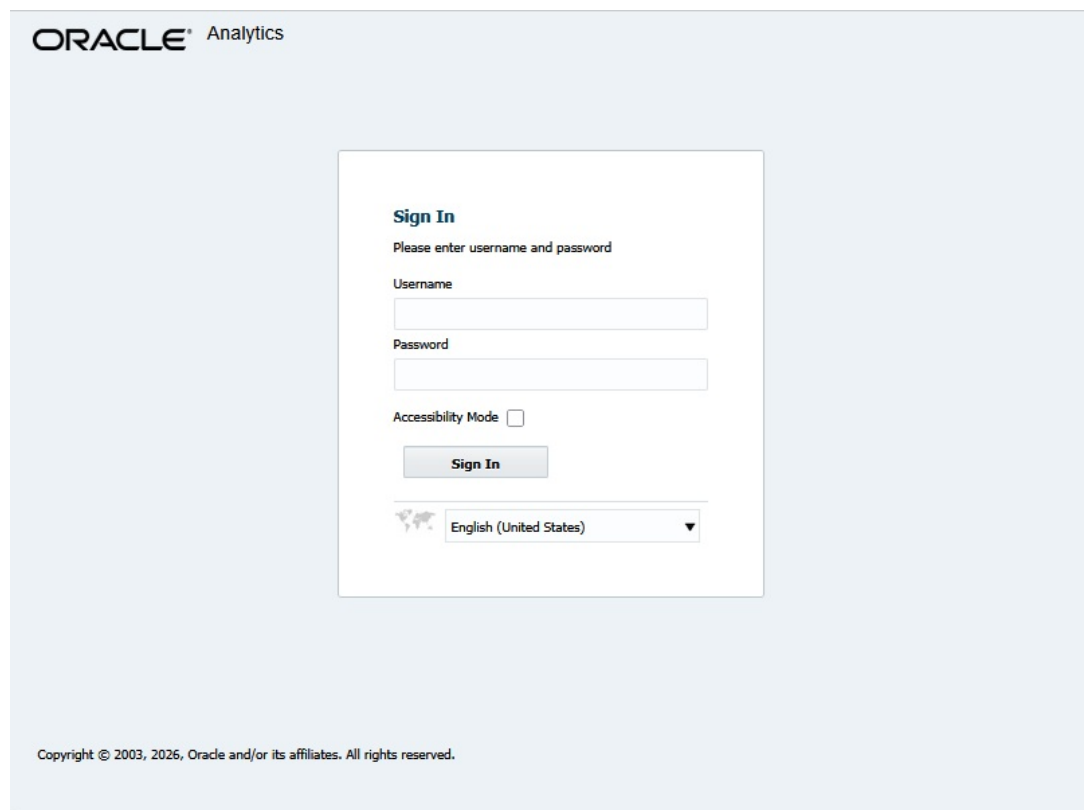
- [Creating OA Publisher Datasource](#)
- [Creating Roles](#)

3.1 Creating OA Publisher Datasource

To create OA Publisher Datasource, do the following:

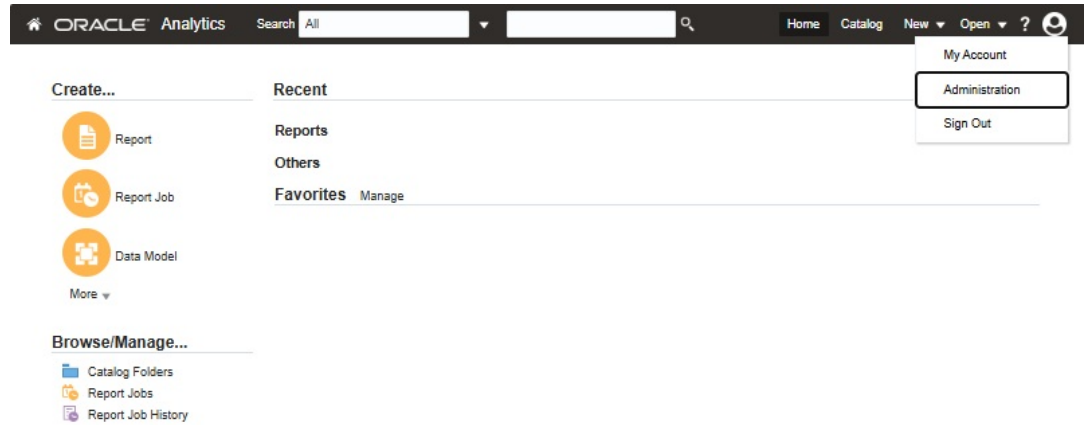
1. Access the console URL using `http://hostname:<port>/xmlpserver`.

Figure 3-1 Sign in page



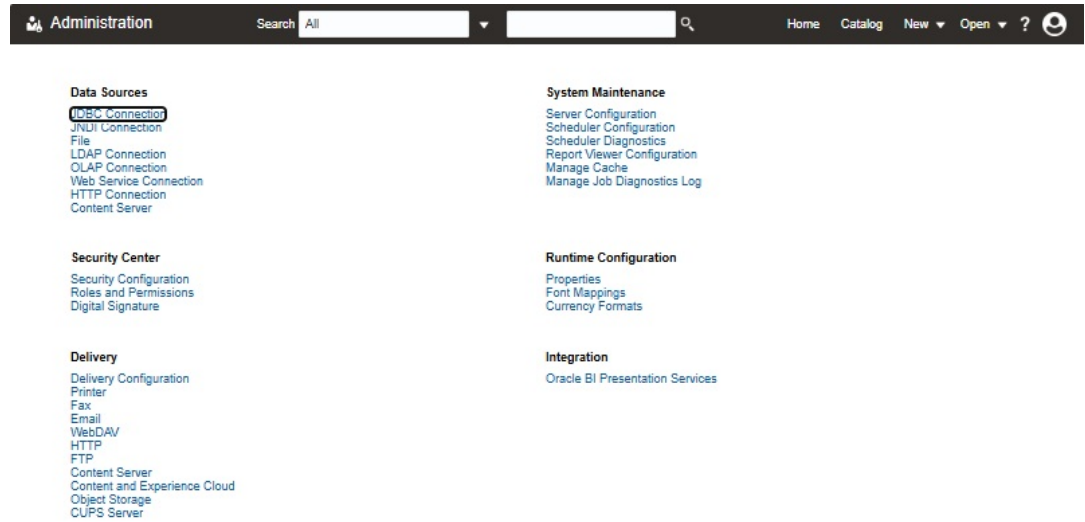
2. The following window is displayed. Click Administration option on the header.

Figure 3-2 Home page



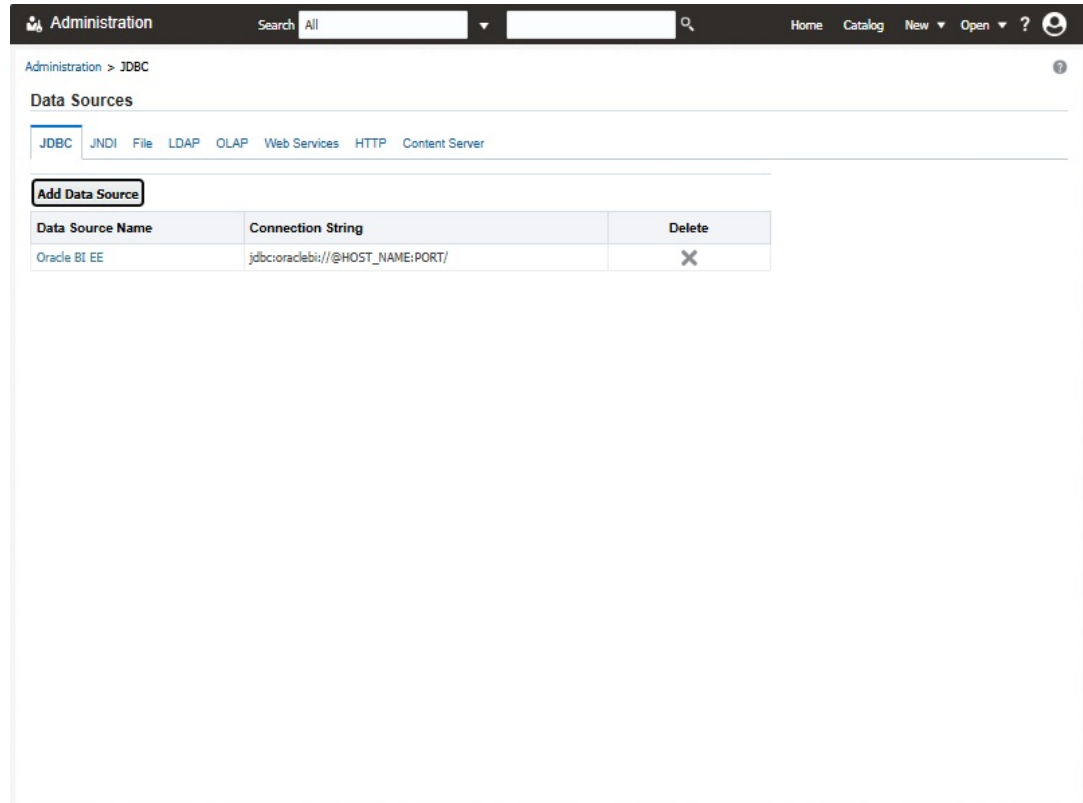
3. Click on **JDBC Connection**.

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.

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

Administration > JDBC > Add Data Source

Confirmation
Connection established successfully.

Add Data Source Apply Cancel

General

TIP Please make sure to install the required JDBC driver classes.
TIP With Oracle Fusion Middleware Security Model, select the Use System User checkbox to use the BI System User for your BI Server Database Connection.
TIP Not all JDBC data sources support Remote Data Gateway Connection

* Data Source Name FLLReportsPool
* Driver Type Oracle 12c
Use Remote Gateway Connectivity
* Database Driver Class oracle.jdbc.OracleDriver
(Example: oracle.jdbc.OracleDriver)
* Connection String jdbc:oracle:thin:@ofsl.oracle.com:1521/OLldb
Use System User
* Username OFSLREL
Password *****
Pre Process Function
Post Process Function
Client Certificate
Use Proxy Authentication
Test Connection

Backup Data Source

TIP To enable access to a backup data source, please check the Use Backup Data Source checkbox and enter the necessary connection information.

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.

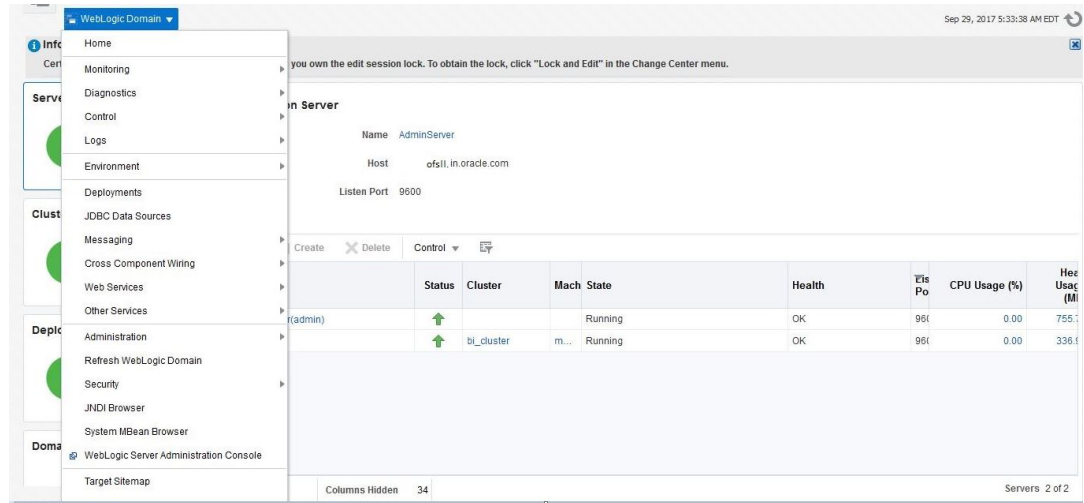
- [Creating WebLogic Application Role](#)
- [Creating WebLogic Application Policies](#)

3.2.1 Creating WebLogic Application Role

To create WebLogic Application Role

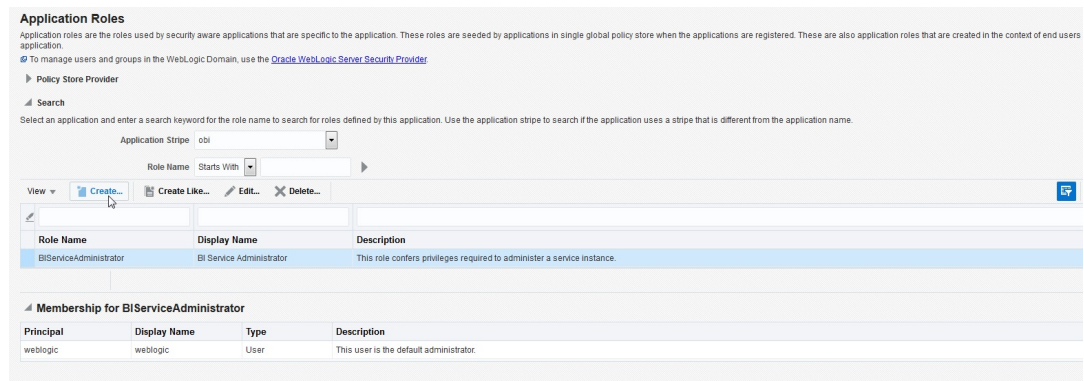
1. Login to Enterprise Manager using the URL - `http://hostname:port/em`.
2. Select Weblogic Domain > Security > Application Roles as indicated in the following screen.

Figure 3-6 WebLogic Application Role 1



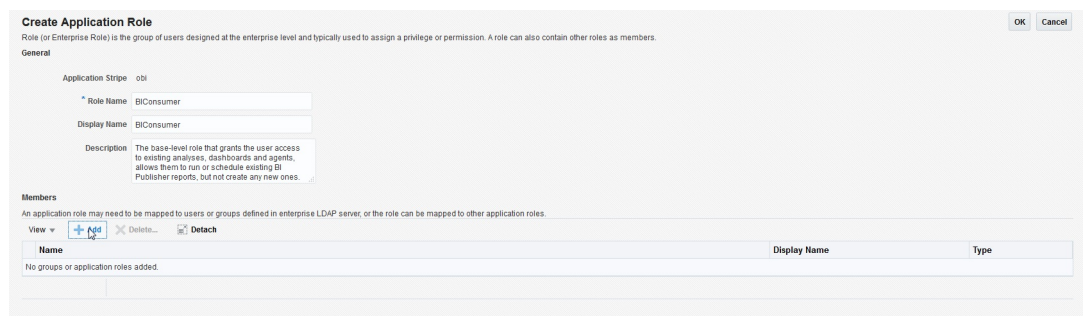
- In the Application Stripe field, select **obi** from the drop-down list. The option **OAServiceAdministrator** is added by default. Click **Create**.

Figure 3-7 WebLogic Application Role 2



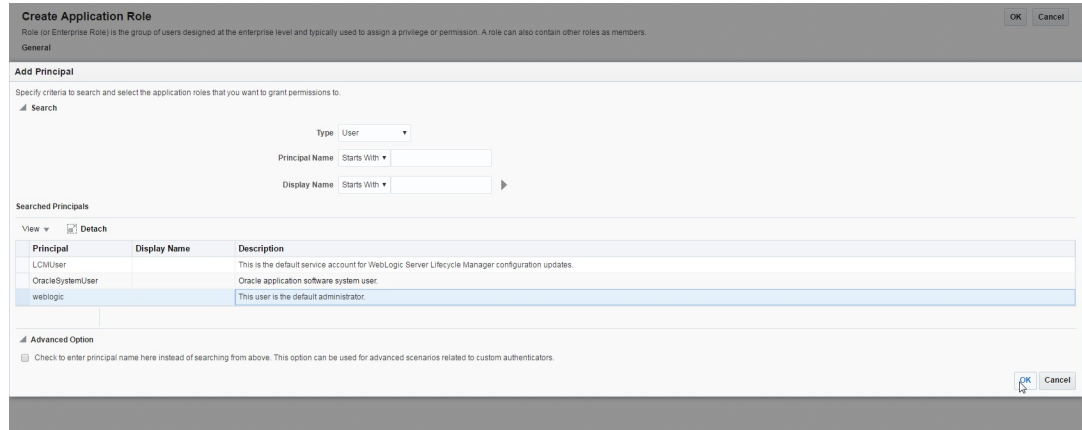
- Specify the following details:
 - Role Name
 - Display Name
 - Description

Figure 3-8 WebLogic Application Role 3



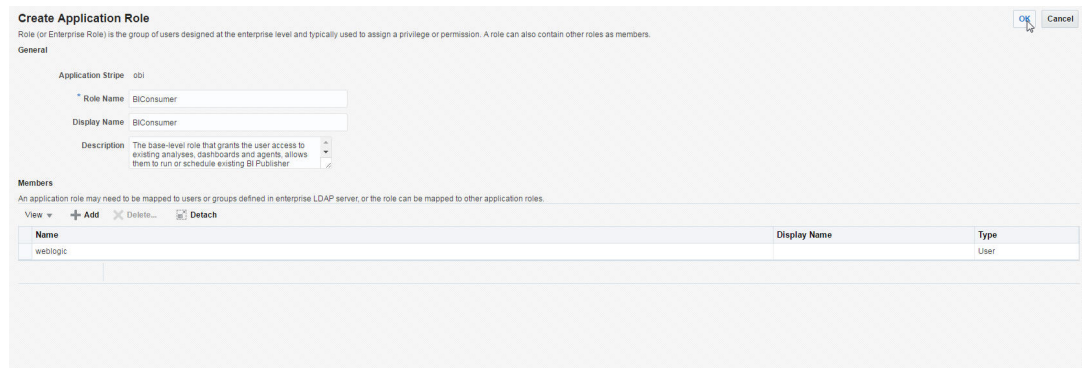
- Click **Add** to add the application role to the members family. The same can later be mapped to required Users or Groups defined in Enterprise LDAP server, or the role can be mapped to other application roles.

Figure 3-9 WebLogic Application Role 4



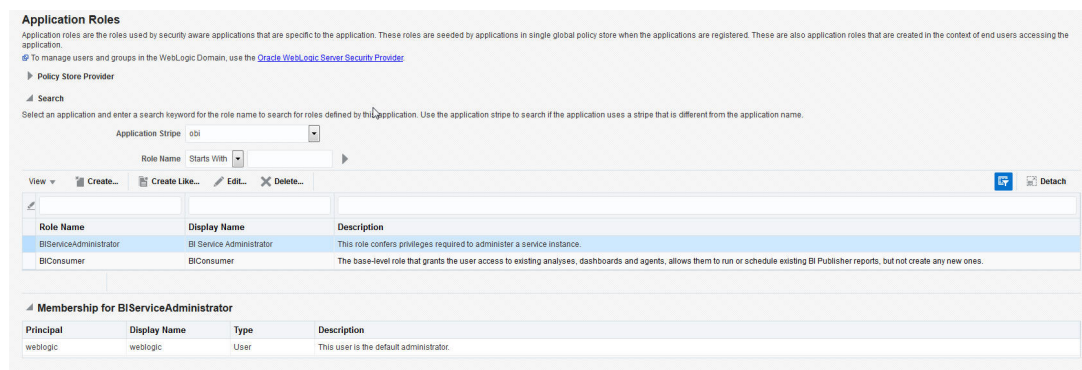
- Add the Weblogic User by selecting **weblogic** in the **Searched Principals** section and click **OK**. The Weblogic User is added to the application role.

Figure 3-10 WebLogic Application Role 5



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

Figure 3-11 WebLogic Application Role 6

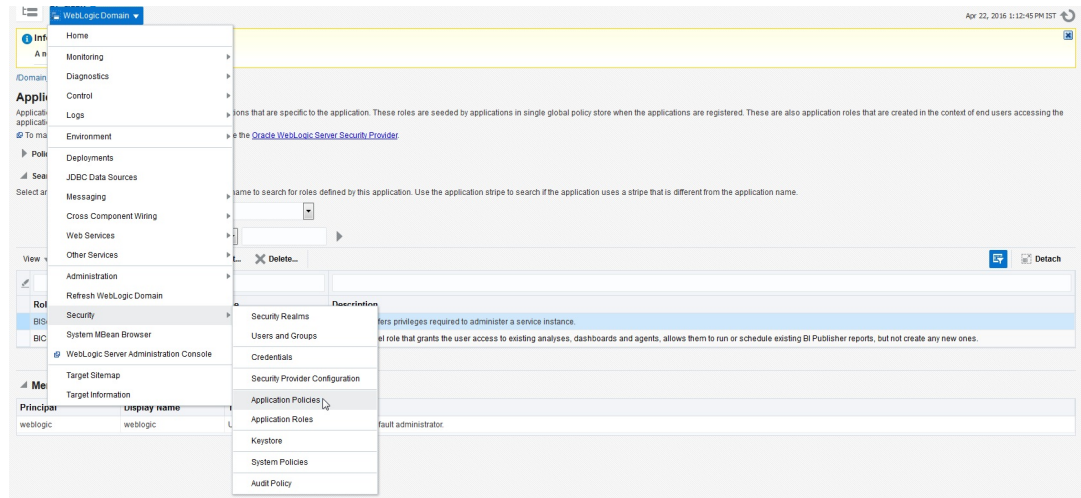


3.2.2 Creating WebLogic Application Policies

To Create WebLogic Application Policies

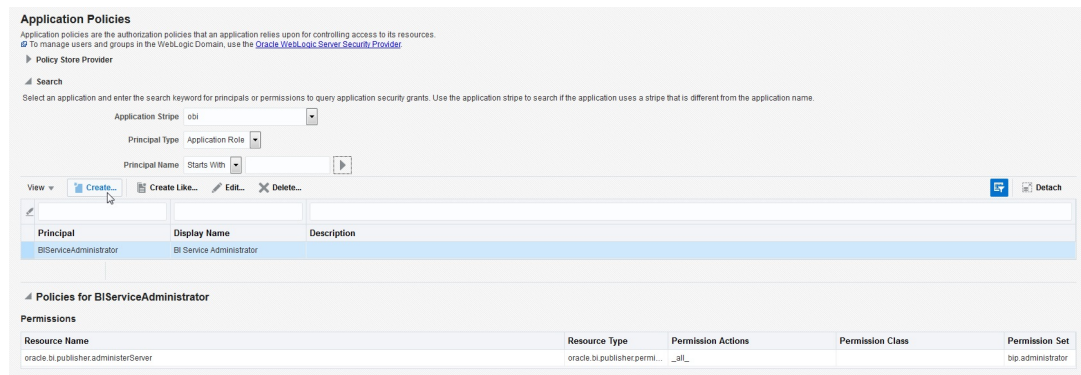
1. Login to Enterprise Manager using the URL - `http://hostname:port/em`.
2. Select Weblogic Domain > Security > Application Policies as indicated in the following screen:

Figure 3-12 WebLogic Application Policies 1



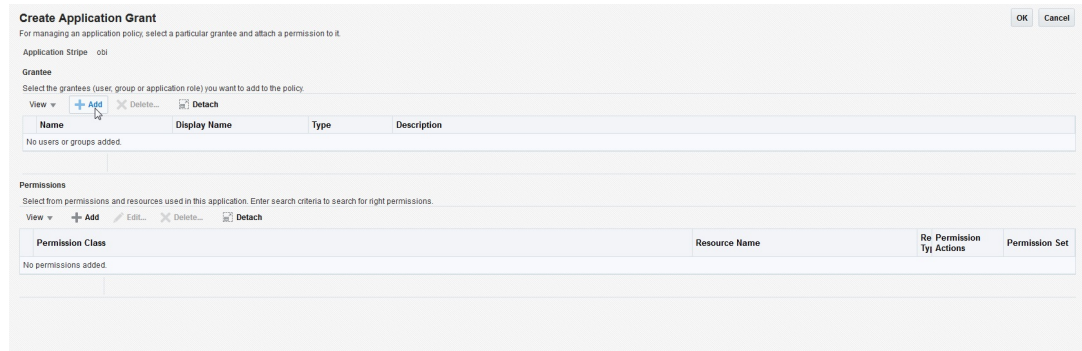
3. In the Application Stripe field, select **obi** from the drop-down list. Click **Create**.

Figure 3-13 WebLogic Application Policies 2



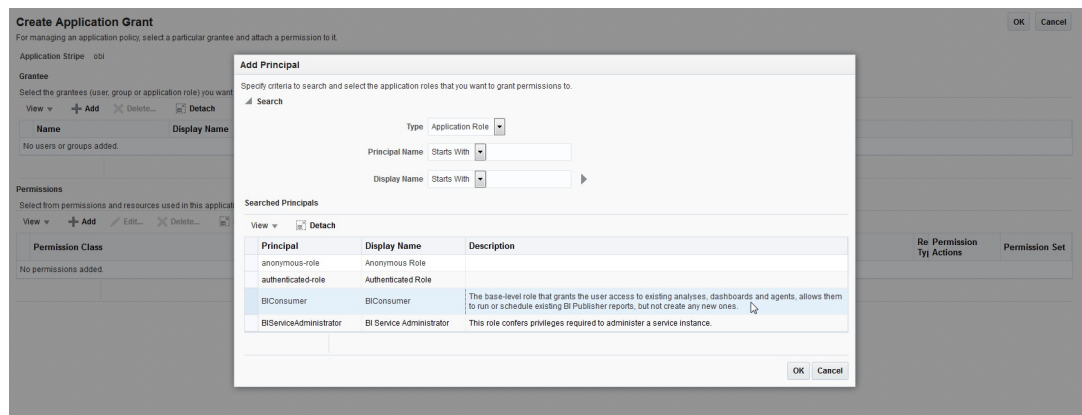
4. In **Create Application Grant** screen, under the Grantee section, click **Add**.

Figure 3-14 WebLogic Application Policies 3



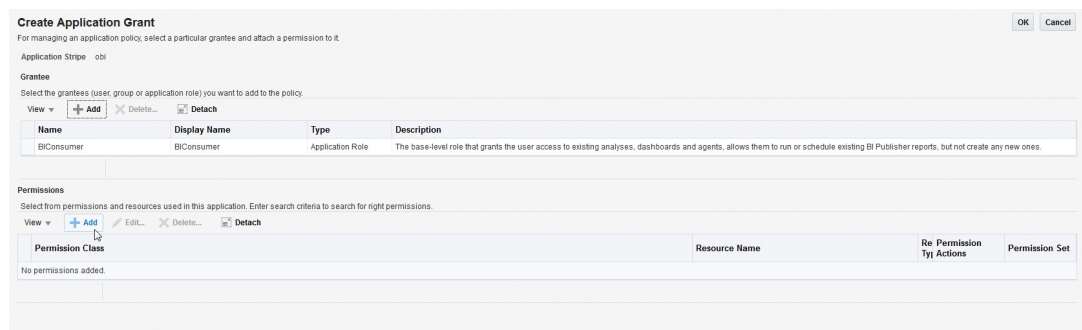
5. Select the newly created application role from the list and click **OK**. The new role is added to the list.

Figure 3-15 WebLogic Application Policies 4



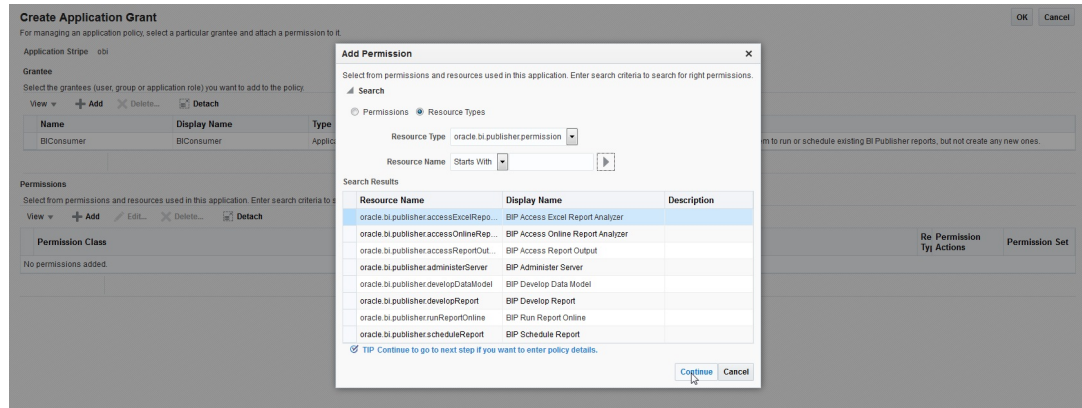
6. In the **Permissions** section, click **Add**.

Figure 3-16 WebLogic Application Policies 5



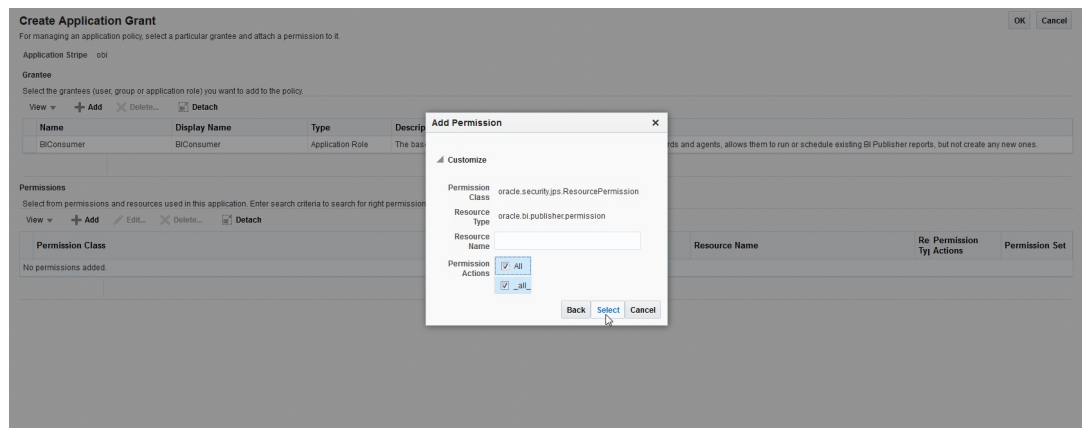
7. In the search criteria, select **Resource Type** and select the resource type from the drop-down list. Select the required resource from the search results and click **Continue**.

Figure 3-17 WebLogic Application Policies 6



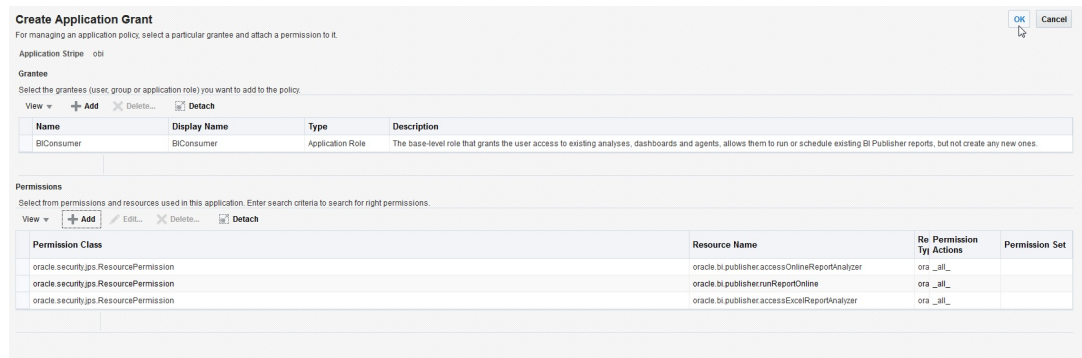
8. Define the required permission(s) for the application role by selecting the appropriate Permission Class and Permissions Actions check box. Click **Select**.

Figure 3-18 WebLogic Application Policies 7



9. 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

Application Policies
 Application policies are the authorization policies that an application relies upon for controlling access to its resources.
 To manage users and groups in the WebLogic Domain, use the [Oracle WebLogic Server Security Provider](#).

Policy Store Provider

Search
 Select an application and enter the search keyword for principals or permissions to query application security grants. Use the application stripe to search if the application uses a stripe that is different from the application name.

Application Stripe: cbi

Principal Type: Application Role

Principal Name: Starts With

View v Create... Create Like... Edit... Delete... Detach

Principal	Display Name	Description
BIconsumer	BIconsumer	
BIServiceAdministrator	BI Service Administrator	

Policies for BIconsumer

Permissions

Resource Name	Resource Type	Permission Actions	Permission Class	Permission Set
oracle.bi.publisher.runReportOnline	oracle.bi.publisher.permi...	_all_	oracle.security.jps.ResourcePermission	
oracle.bi.publisher.accessOnlineReportAnalyzer	oracle.bi.publisher.permi...	_all_	oracle.security.jps.ResourcePermission	
oracle.bi.publisher.accessExcelReportAnalyzer	oracle.bi.publisher.permi...	_all_	oracle.security.jps.ResourcePermission	

4

Import Reports to OA Publisher Server

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

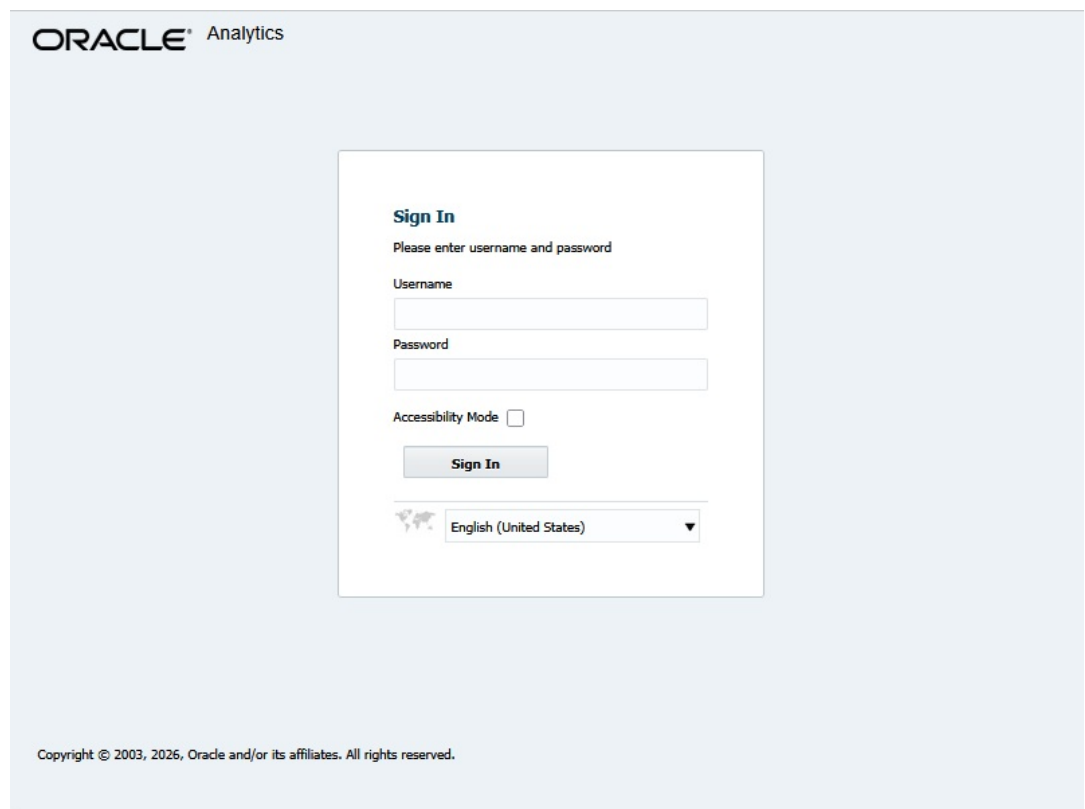
- [Importing Reports to OA Publisher Server](#)

4.1 Importing Reports to OA Publisher Server

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

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

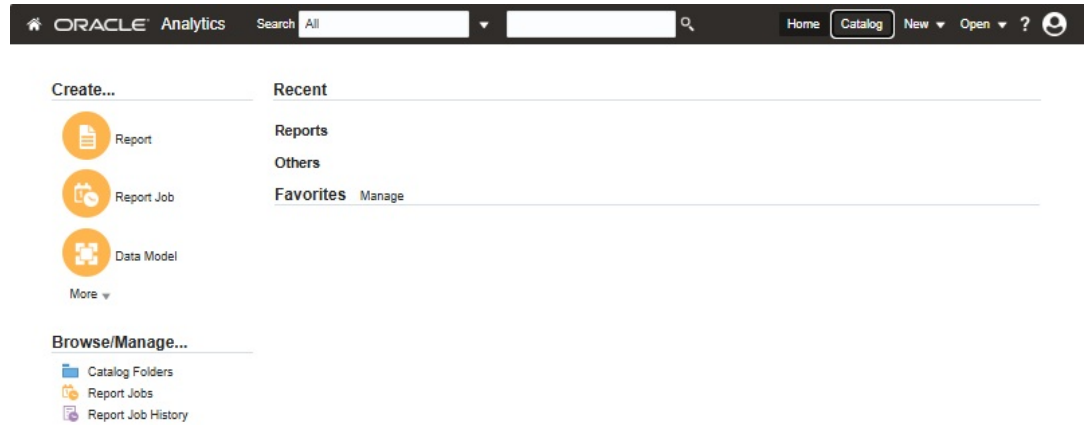
Figure 4-1 OA Publisher Server 1



The screenshot shows the Oracle Analytics Sign In page. At the top left, the Oracle Analytics logo is displayed. The main content area is a white box with a light blue border. Inside this box, the text "Sign In" is followed by "Please enter username and password". Below this are two input fields: "Username" and "Password". There is an "Accessibility Mode" checkbox which is unchecked. A "Sign In" button is located below the input fields. At the bottom of the box, there is a language selection dropdown menu currently set to "English (United States)". At the bottom left of the page, there is a copyright notice: "Copyright © 2003, 2026, Oracle and/or its affiliates. All rights reserved."

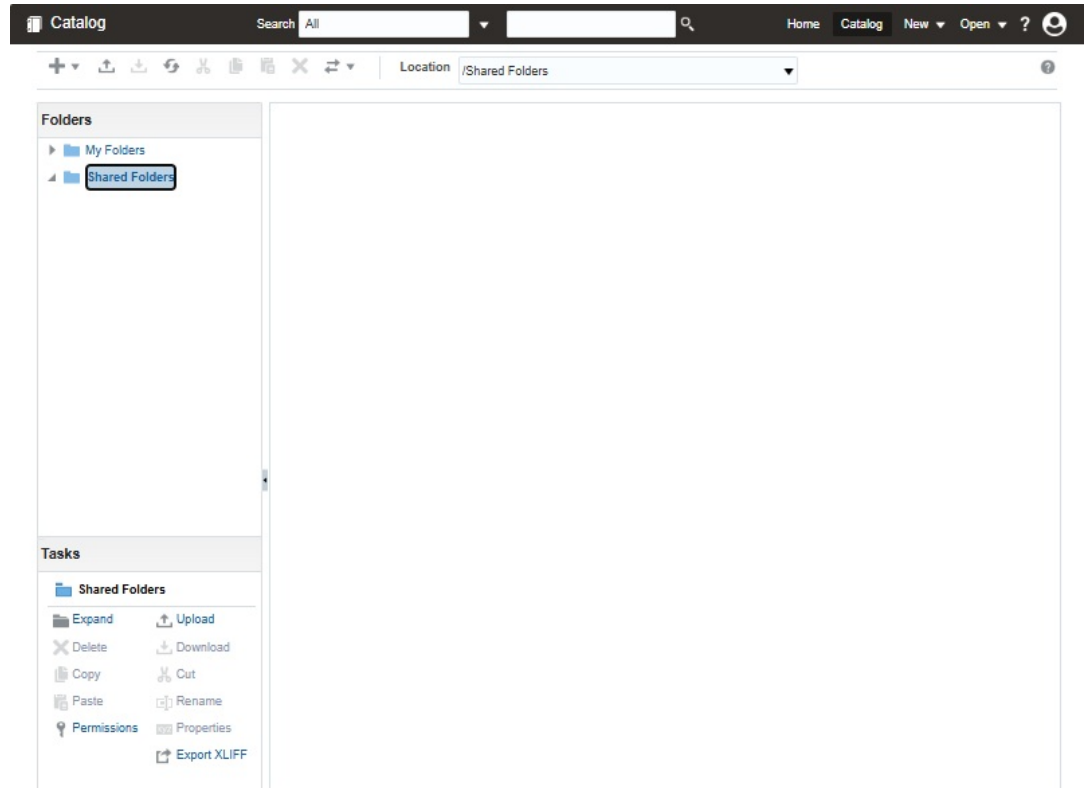
4. Following window is displayed. Click on **Catalog Folders** on the left pane.

Figure 4-2 OA Publisher Server 2



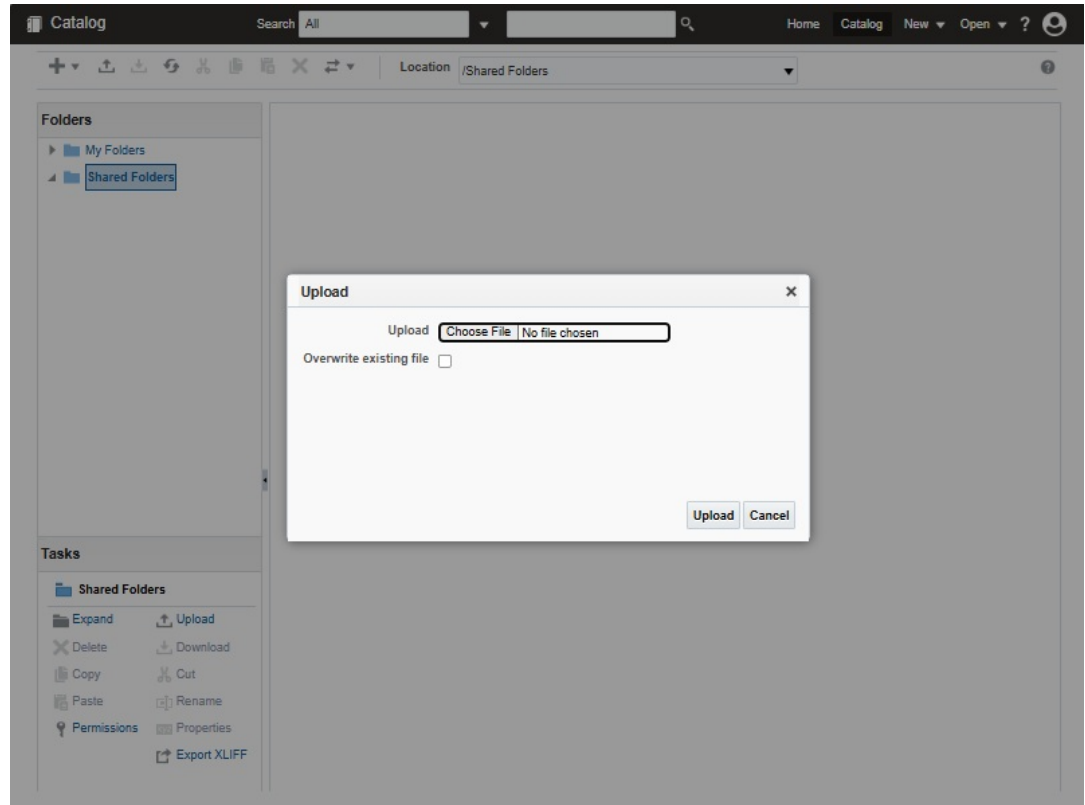
5. Click on **Shared Folders** option and then click **Upload**.

Figure 4-3 OA Publisher Server 3



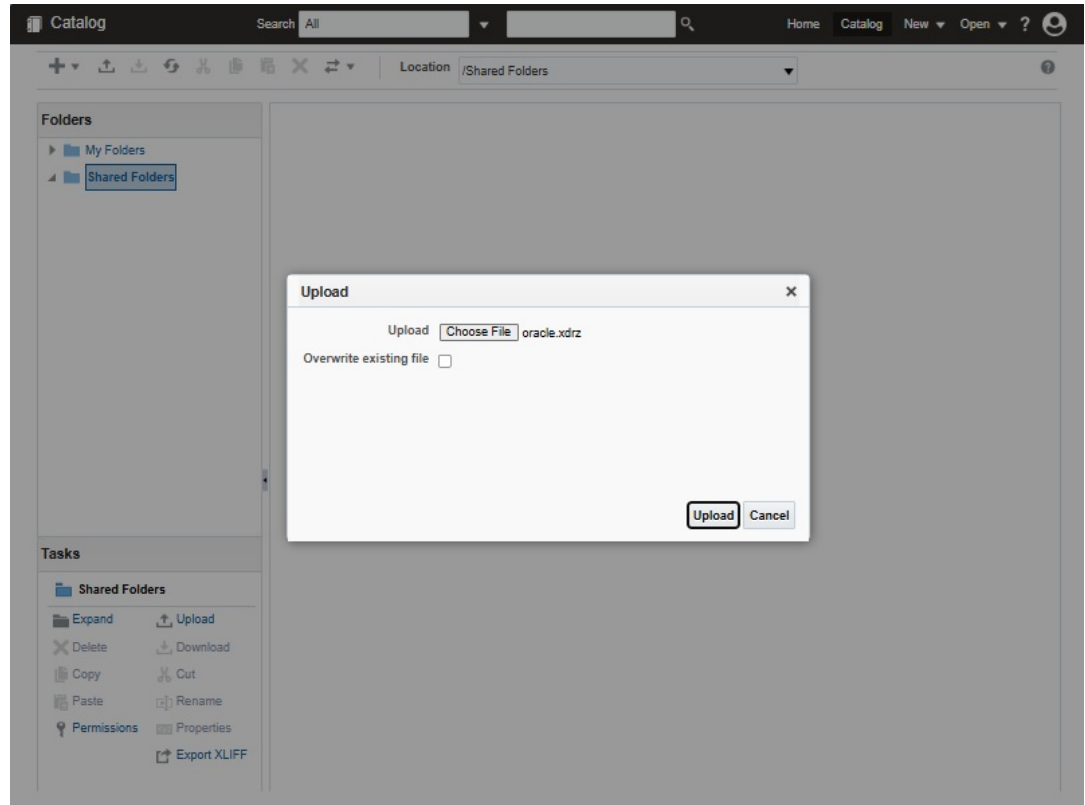
6. The following window is displayed. Browse to the location where the `oracle.xdrz` file is saved. Click the **Overwrite Existing File** check box if you are overwriting an existing directory.

Figure 4-4 OA Publisher Server 4



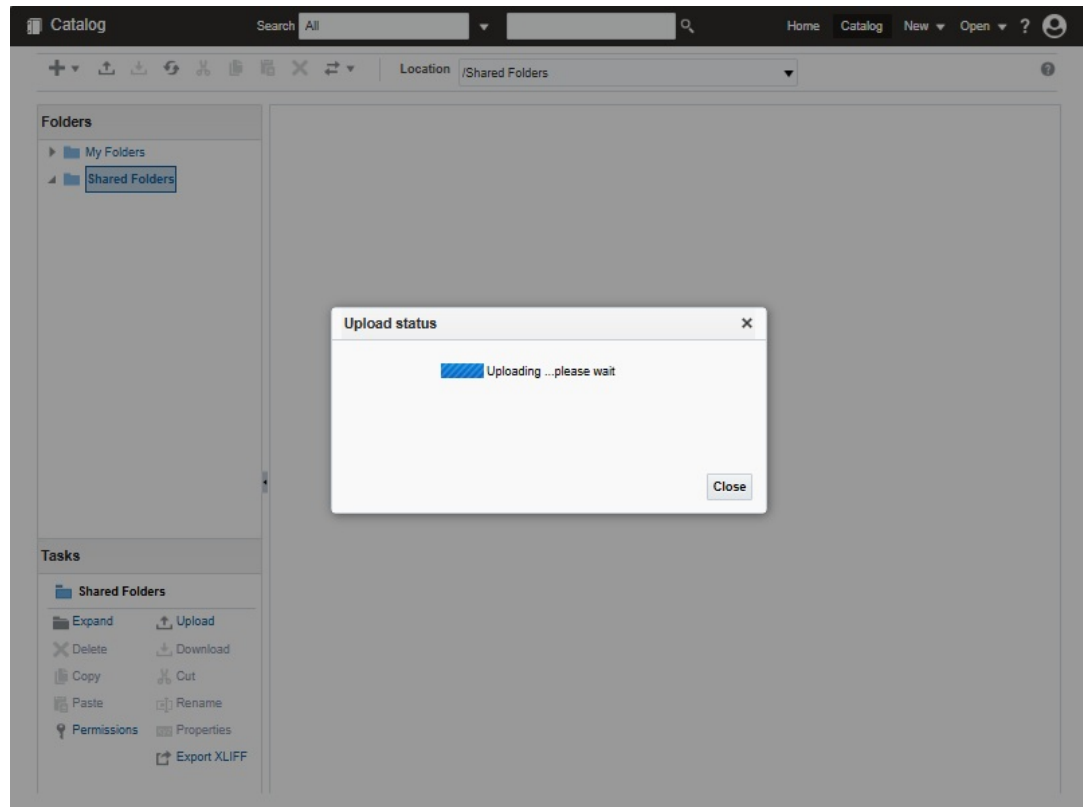
7. Click on **Upload**.

Figure 4-5 OA Publisher Server 5



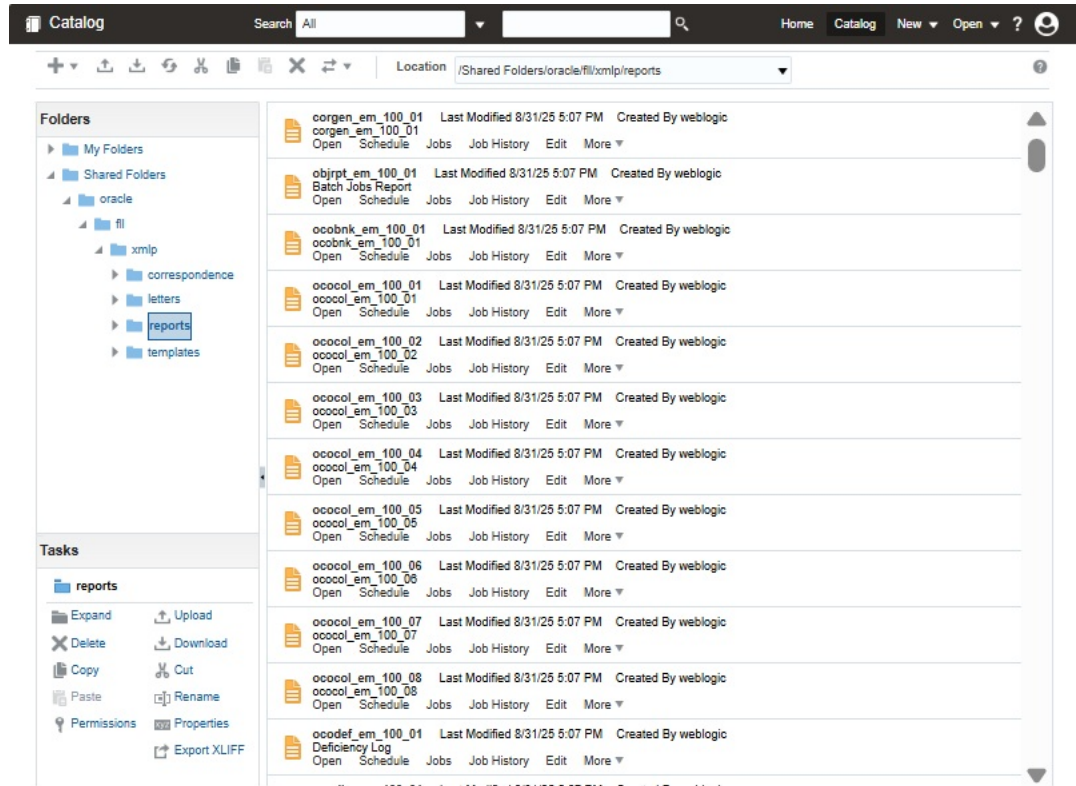
8. The following window is displayed.

Figure 4-6 OA Publisher Server 6



9. 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



5

Configure MDB Mail Server

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

- [Configuring MDB Mail Server](#)

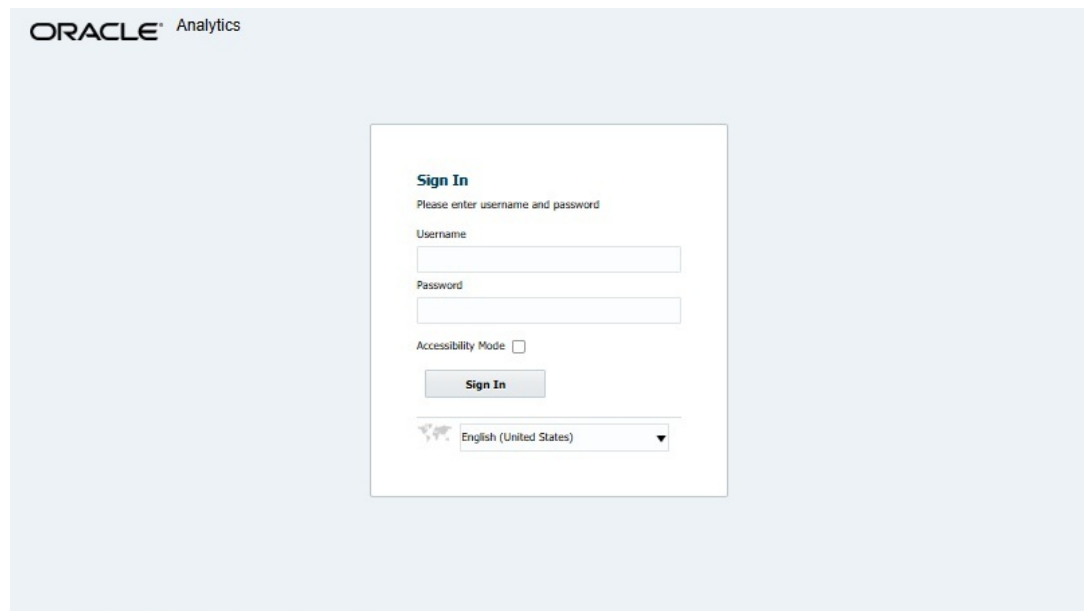
5.1 Configuring MDB Mail Server

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

1. Launch the Oracle Analytics Publisher application (<http://hostname:port/xmlpserver>).

The following window is displayed.

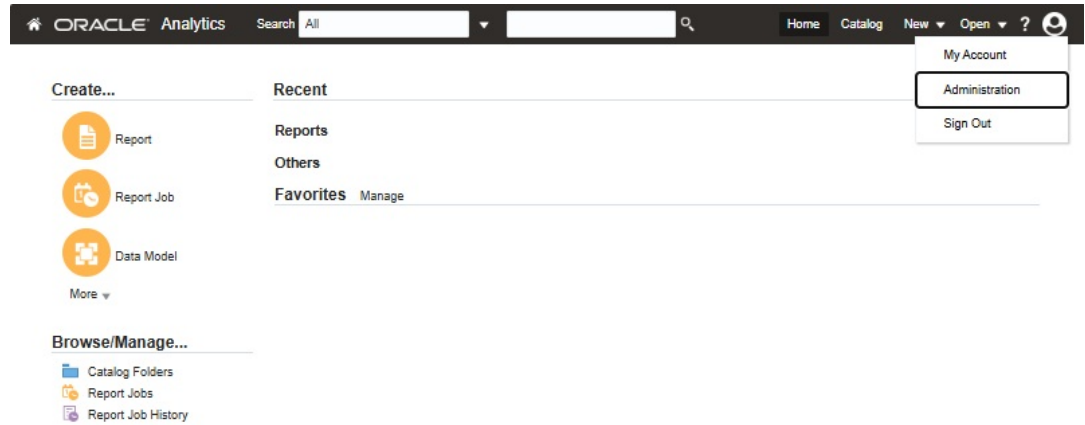
Figure 5-1 MDB Mail Server 1



2. Login using the valid credentials.

The following window is displayed.

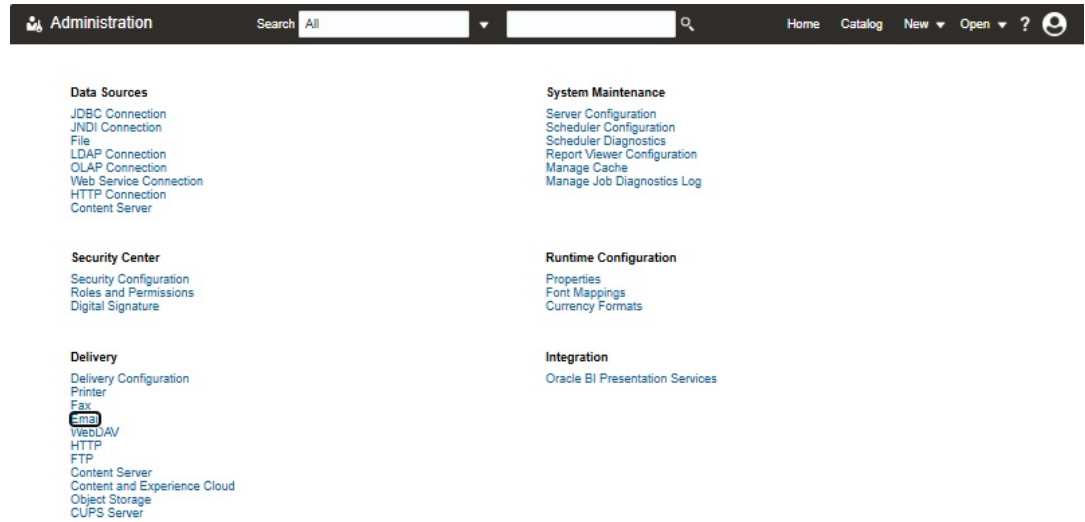
Figure 5-2 MDB Mail Server 2



3. Click **Administration**.

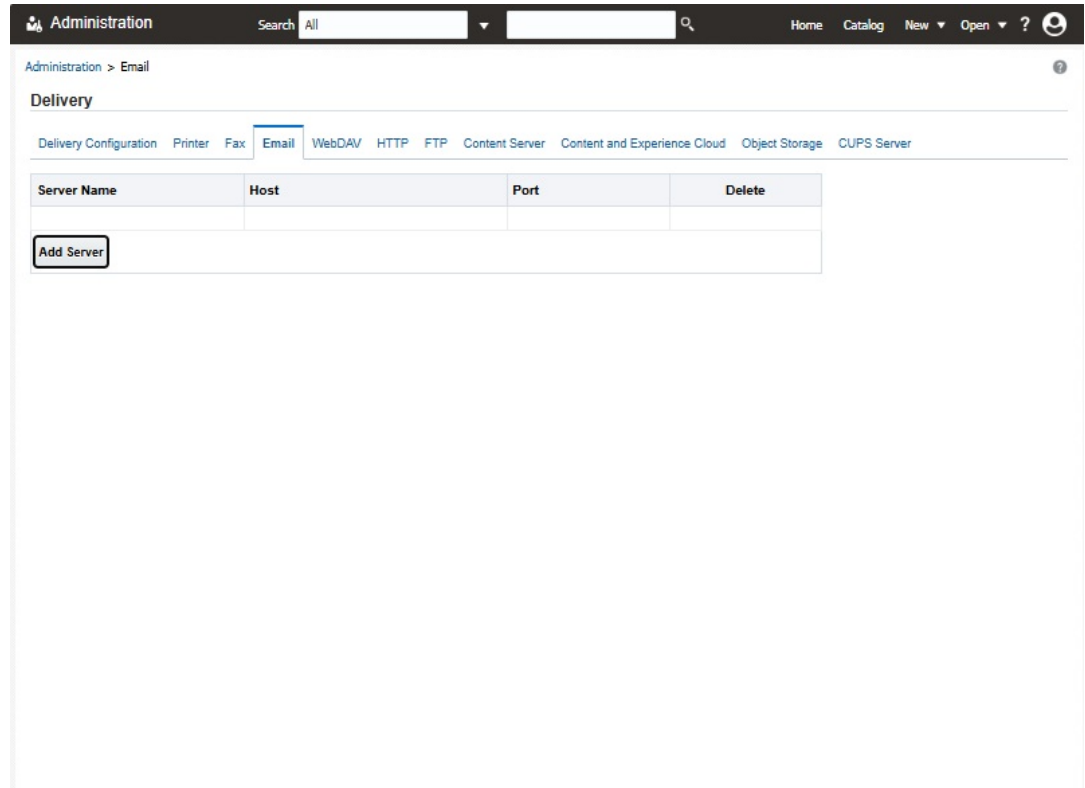
The following window is displayed.

Figure 5-3 MDB Mail Server 3



4. Click **Email**.

The following window is displayed.

Figure 5-4 MDB Mail Server 4

5. Click **Add Server**.

The following window is displayed.

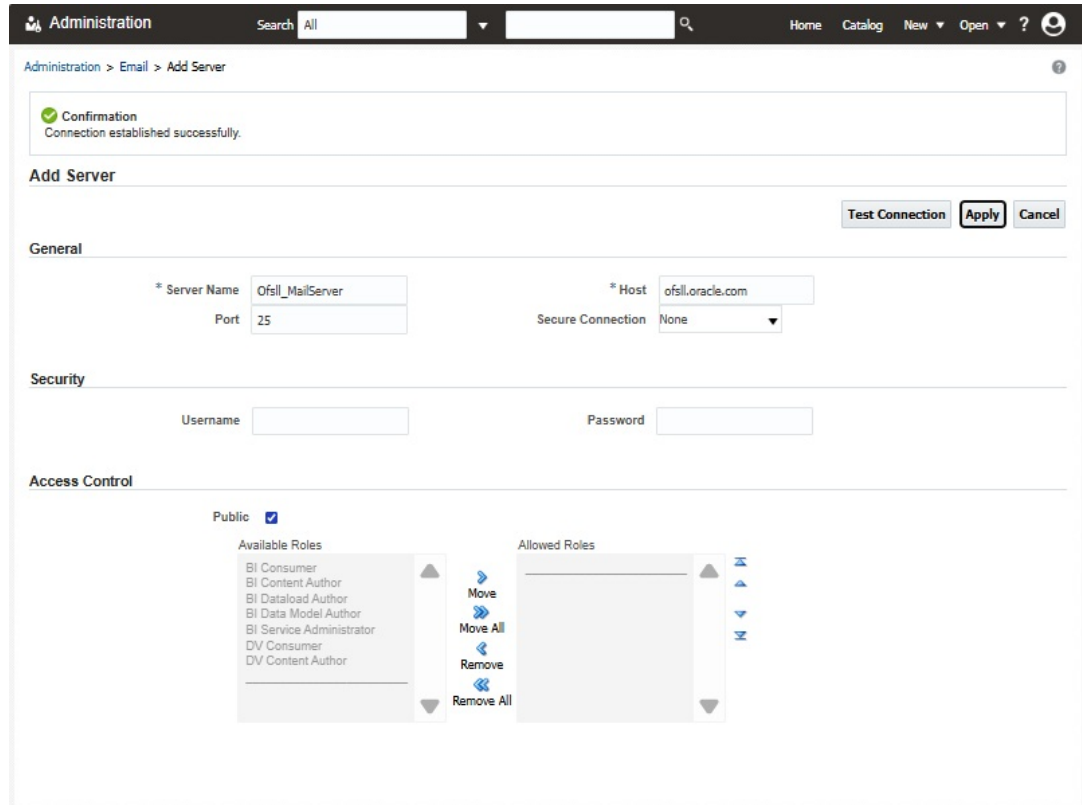
Figure 5-5 MDB Mail Server 5

The screenshot shows the Oracle Administration console interface for adding a server. At the top, there is a navigation bar with 'Administration', a search bar, and menu items like 'Home', 'Catalog', 'New', 'Open', and a help icon. Below the navigation bar, the breadcrumb path is 'Administration > Email > Add Server'. A green confirmation message states 'Confirmation: Connection established successfully.' Below this, there are buttons for 'Test Connection', 'Apply', and 'Cancel'. The 'Add Server' section is divided into three main areas: 'General', 'Security', and 'Access Control'. In the 'General' section, the 'Server Name' is 'Ofsil_MailServer', the 'Host' is 'ofsil.oracle.com', and the 'Port' is '25'. The 'Secure Connection' is set to 'None'. The 'Security' section has empty fields for 'Username' and 'Password'. The 'Access Control' section has a 'Public' checkbox checked. Below this, there are two lists: 'Available Roles' and 'Allowed Roles'. The 'Available Roles' list includes: BI Consumer, BI Content Author, BI Dataload Author, BI Data Model Author, BI Service Administrator, DV Consumer, and DV Content Author. The 'Allowed Roles' list is currently empty. Between the two lists are buttons for 'Move', 'Move All', 'Remove', and 'Remove All'.

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**.

The following window is displayed.

Figure 5-6 MDB Mail Server 6



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

Figure 5-7 MDB Mail Server 7

