

Oracle Financial Services
Governance and Compliance Management
Installation Guide

Release 6.0

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Oracle Financial Services Governance and Compliance Management **Installation Guide**

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About this Guide

This guide provides comprehensive instructions for installing and configuring the Oracle Financial Services Governance and Compliance Management (herein referred to as OFSGCM or GCM).

This chapter discusses the following topics:

- Who Should Use this Guide
- Scope of this Guide
- How this Guide is Organized
- Where to Find More Information
- Conventions Used in this Guide

Who Should Use this Guide

The *Oracle Financial Services Governance and Compliance Management Installation Guide*, Release is designed for use by Oracle Financial Services Governance and Compliance Management Installers and System Administrators. Their roles and responsibilities include the following:

- **OFSGCM System Administrator:** This user installs, configures, maintains, and adjusts the system and is usually an employee of a specific Governance and Compliance Management client. The System Administrator maintains user accounts and maps roles to users.
- **OFSGCM Installer:** This user installs, configures, and maintains GCM application at the deployment site.

Scope of this Guide

This guide provides step-by-step instructions for installing the Oracle Financial Services Governance and Compliance Management on an existing Oracle Financial Services Analytical Applications Infrastructure (OFSAAI) platform hosted on a suitable environment.

How this Guide is Organized

The *Oracle Financial Services Governance and Compliance Management Installation Guide*, Release 6.0, includes the following topics:

- Chapter 1, *About Oracle Financial Services Governance and Compliance Management*, provides a brief overview of the application.
- Chapter 2, *Preparing to Install*, details the prerequisites, environment, and installation checklist that are necessary for installing the Oracle Financial Services Governance and Compliance Management.
- Chapter 3, *Installation Activities*, describes the step-by-step installation activities for installing Oracle Financial Services Governance and Compliance Management application.
- Chapter 4, *Post-Installation Activities*, details the steps that are to be performed after successful installation of Oracle Financial Services Governance and Compliance Management application.

- Chapter 5, *Uninstalling the Governance and Compliance Management Application*, details the steps to uninstall the GCM application.
- Chapter 6, *Deploying Governance and Compliance Management Dashboards Analytics*, explains how to deploy Governance and Compliance Management Report Analytics on Oracle Business Intelligence Enterprise Edition (OBIEE)
- Appendix A, *Pre-Installation Configuration*,

Where to Find More Information

For more information on the Oracle Financial Services Governance and Compliance Management, refer to the following documents:

- Oracle Financial Services Governance and Compliance Management Release Notes: This guide details the latest updates on hardware and software requirements.
- Oracle Financial Services Governance and Compliance Management User Guide: This guide provides information about the general features across all the modules in the Oracle Financial Services Governance and Compliance Management application.

To find additional information about how Oracle Financial Services solves real business problems, visit our website at www.oracle.com/financialservices.

Conventions Used in this Guide

Table 1 lists the conventions used in this guide.

Table 1. Conventions Used in this Guide

| Convention | Meaning |
|-------------------|--|
| <i>Italics</i> | <ul style="list-style-type: none">● Names of books, chapters, and sections as references● Emphasis |
| Bold | <ul style="list-style-type: none">● Object of an action (menu names, field names, options, button names) in a step-by-step procedure● Commands typed at a prompt● User input |
| Monospace | <ul style="list-style-type: none">● Directories and subdirectories● File names and extensions● Process names● Code sample, including keywords and variables within text and as separate paragraphs, and user-defined program elements within text |
| <Variable> | Substitute input value |

About Oracle Financial Services Governance and Compliance Management

Oracle Financial Services Governance and Compliance Management Solution (OFSGCM) enables the creation of a comprehensive framework to manage enterprise governance, risk, and compliance across the organization. The solution is built on Oracle Financial Services Analytical Applications Infrastructure (OFSAAI), the industry's only integrated business infrastructure designed to serve both Enterprise Risk and Compliance requirements.

OFSGCM solution provides the ability to govern and manage compliance needs through compliance plans, manage business continuity plans, and conduct and track audit.

Oracle Financial Services Analytical Applications Infrastructure is a business intelligence application developed by Oracle Financial Services Software to meet the information needs of the various business segments such as, banking, insurance, and other financial service companies. It is a web-enabled application for anywhere access and has an n-tiered architecture that provides the required security, scalability, and availability. The OFSAAI technology tool-set (also referred to as the toolkit or platform) is qualified on various combinations of OS/RDBMS/MDBMS/Web Server thereby providing a range of options to the customers to deploy the application.

This chapter discusses the following topics:

- Oracle Financial Services Governance and Compliance Management Components
- Administrative Functions

Oracle Financial Services Governance and Compliance Management Components

Oracle Financial Services Governance and Compliance Management application contains the following functional components:

- Compliance Plan
- BCP
- Audit
- Dashboard

This function provides for creation of various information libraries such as Products library, Financial Models library, Internal IT Systems library, and so on. These libraries can be used from various components such as RCSA, and so on.

Organizations have insurance policies to cover risks, and future losses arising out of such risks. The policy details can be captured in a central repository in the insurance policy library. Once the insurance policy is captured in the library

Compliance Plan

Compliance Plan helps you to plan and track the regulation and obligations of a business unit. It also enables you to schedule and assess the regulation and obligations associated with a business unit and know the compliance status.

BCP

The Business Continuity Plan (BCP) helps in addressing business continuity risks of an organization. In addition to business continuity risk assessment, BCP also facilitates on how to manage a major disruption met by a business caused by a loss of premises, loss of a key IT system, and loss of people or other services. Once the critical dependencies are identified, an organization can determine the impact of the losses and plan their recovery from those situations.

Audit

Audit module enables an organization to create centralised audit plans and schedule audit tasks to different business unit. You can plan auditors schedule based on their availability, conduct audit assessments and capture the audit findings and ratings. You can also conduct audit assessments on modules namely, Risks, Controls, Processes, Compliance Plans, Obligations, Incidents, and Information Libraries. These audit assessments can be conducted as part of audit tasks or independently from respective modules.

Dashboard

Oracle Financial Services Governance and Compliance Management solution is integrated with Oracle Business Intelligence Enterprise Edition (Oracle BI EE) which enables the user to access the dashboard reports for powerful and flexible analytic reporting.

Administrative Functions

This section discusses the following topics:

- Reference Data Maintenance
- Application Preference
- Preference
- Delegation
- Universal Search
- Access Rights

Reference Data Maintenance

The Oracle Financial Services Governance and Compliance Management Reference Data Maintenance function enables the organizational hierarchies and the assignment of entities like risk, control, incidents, key indicators, and issues to different business line and location.

New nodes can be added and existing nodes can be modified for the hierarchies or drop-down values. For example, users can capture business line, location, causes, and so on. Existing nodes can be deactivated from the hierarchy.

Risk, controls, key indicators, incident, and issue can be moved or copied from a business line and location to another business line and location or even deleted from the selected KBD.

Application Preference

Application Preferences allows you to manage workflows of each module of OFSGCM and set the user interface language.

The Workflow Management functions enable the maintenance of workflows to be used based on user preferences. Workflow Management enables modifying the existing workflow based on business line and location combination. This will enable the users to have a complex workflow or a simple workflow for each business line and location combination.

Language Manager allows you to manage or modify the labels in the User Interface. This function allows you to capture the labels of the screen, panels, and fields in different languages. It also allows maintenance of the alert messages.

Preference

The Preferences feature allows you to set and manage the email notification configurations.

Delegation

Delegation is a general administration function created in order to serve business continuity purpose, where a user's rights can be delegated or assigned to another user in absence of original user to perform and close all pending tasks. On delegation, the delegated user's rights will be over and above their original rights. All task items and notifications to Delegator will also get assigned to the Delegate.

Universal Search

The Universal Search feature allows you to perform a search across all records in the application

Access Rights

The Access Rights feature allows you to maintain user groups and the mapping of roles to user groups. It also allows you to map users to specific groups, providing role mapping for a Business Line and Location combination.

This chapter provides information on pre-requisites, environment, hardware and software requirements, and installation checklist that are necessary for installing the Oracle Financial Services Governance and Compliance Management application.

This chapter covers the following topics:

- Environment
- Pre-requisites
- Pre-Installation Activities
- Pre-Installation Checklist

Note: Refer to the *Oracle Financial Services Governance and Compliance Management Release Notes* for the latest updates on the hardware or software requirements.

Environment

The Oracle Financial Services Governance and Compliance Management is installed using the hardware and software environment as described in Table 2.

Table 2. Environment Requirement Table

| Operating System | Hardware | Software |
|--|---|---|
| Oracle Enterprise Linux Server - Release 5.8 (Carthage) - 64 bit | <ul style="list-style-type: none">● Desktop machine with 4GB RAM for front-end access | <ul style="list-style-type: none">● Oracle Database Enterprise Edition Release 11.2.0.2.0 - 64 bit with or without RAC● Sun JDK Standard Edition 1.6.0_25 - 64 bit● WebLogic 10.3.5.0 (64 bit)● Websphere 7.0.0.17 (64 bit)● Tomcat 7.0.19 (64 bit)● Oracle Business Intelligence Enterprise Edition v 11.1.1.7.0● OFSAAI 7.3.2.6.0 |

The following table explains the Front End Access:

Table 3. Front End Access

| Front End Access |
|---|
| <ul style="list-style-type: none">● Microsoft Internet Explorer 8 / 9. Note: OFSAAI supports only default zoom setting in Internet explorer, that is, 100%.● Microsoft Office 2003 / 2007● Client Machines – Windows XP SP3 / Windows 7● The screen resolutions supported are 1024*768 and 1280*1024● Adobe Reader 8.0● Java plug-in - 1.6.0_21 <p>Note:</p> <ul style="list-style-type: none">■ Ensure that Java Plug-in is enabled in the browser settings.■ Enable caching of static content (static files, images, CSS, etc) for browser client.■ Cookies should be enabled. |

Note: Refer to *Chapter 6 - Deploying Governance and Compliance Management Dashboards Analytics* to configure Governance and Compliance Management Dashboards.

Pre-requisites

1. Once the Oracle Financial Services Analytical Applications Infrastructure is installed, it must be configured with server details. For more information on configuring the Oracle Financial Services Analytical Applications Infrastructure platform, refer to the *Oracle Financial Services Analytical Applications Infrastructure System Configuration and Administration User Guide*.
2. Oracle Financial Services Operational Risk 6.0 must be installed.

Pre-Installation Activities

This section explains the pre-installation activities to be performed by the System Administrator before starting the installation of Oracle Financial Services Governance and Compliance Management application.

1. Take a backup of the following before the application installation process starts. The backup should be kept until the application runs successfully.
 - OFSAAI Configuration schema
 - OFSAAI Installation directory
 - OFSAAI FTPSHARE directory
 - OFSAAI Atomic Schema
2. Make sure the details of Atomic Schema user and Table Space name used during OR 6.0 installation are available.
3. Make sure the database parameters namely Processes and Sessions are set as 2000 and 3000 respectively.
4. Make sure the following grant is available to the Configuration Schema user:

```
grant select on sys.v_$TABLESPACE to <<Config Schema>>;
```
5. Take a backup of `rorsolution.js` file present under below path:

\$FIC_WEB_HOME/webroot/formsFramework/formsrenderer/script

Note: If you have applied any OR ML (Maintenance Level) Patch release on top of OR 6.0 installer prior to installing GCM 6.0 then the `rorsolution.js` file should be replaced post successful installation of GCM 6.0 in the above path.

Pre-Installation Checklist

Table 4 lists the pre-installation checklist to be completed before starting the installation of Oracle Financial Services Governance and Compliance Management.

Table 4. Pre Installation Checklist

| # | Task | Done (Y/N) |
|--|---|------------|
| Items 1-8 contains checklist on readiness with required information. | | |
| 1 | Ensure that the Oracle Database instance is up and running. | |
| 2 | Ensure that the FTP share path as configured in OFSAAI platform is available. | |
| 3 | Ensure that the IP address or host name is available. | |
| 4 | Ensure that the servlet port is available. | |
| 5 | Ensure that the OFSAAI configuration schema user ID and password is available. | |
| 6 | Ensure that the Oracle SID is available. | |
| 7 | Ensure to have 'Recursive Write' permission on 'ftpshare' paths of APP, DB, and WEB layers. | |
| 8 | Ensure that the 9 digit customer identification number is available. | |
| Items 9-11 contains completeness check on pre-installation activities. | | |
| 9 | Ensure to take a backup of the following before the application installation process starts: <ul style="list-style-type: none"> ● Configuration Schema ● OFSAAI Installation Directory ● OFSAAI FTPSHARE directory ● OFSAAI Atomic Schema Refer to section <i>Pre-Installation Activities</i> , on page 6 (Step 1), for more information. | |
| 10 | Ensure that OFSAAI servers are running during APP layer Installation. | |
| 11 | Ensure that Application Server and Web Application Server have the FQDN signature of each other in the <code>known_hosts</code> file located under <code><USER_HOME>/ .ssh</code> folder. | |

Oracle Financial Services Governance and Compliance Management comprises of components that are installed in the OFSAAI Web, Application, and Database layers.

If OFSAAI has been installed in single-tier architecture, the OFSGCM installer is required to be invoked only once on the machine that hosts all the OFSAAI tiers.

If OFSAAI has been installed in multi-tier architecture, the OFSGCM installer must be invoked on each machine that hosts an OFSAAI Platform tier.

Installation Process

This section covers following topics:

- Copying the Required Files to Installation Directory
- Configuring the log4j.xml File
- Populating the GRC_InstallConfig.xml File
- Installing Oracle Financial Services Governance and Compliance Management

Following are the step-by-step instructions for installing OFSGCM on a single-tier mode:

Copying the Required Files to Installation Directory

1. Login with the Unix user(s) on the server(s) which hosts OFSAAI APP, DB, and WEB layers, and copy the following files from the eDelivery into any directory:
 - a. Setup.sh
 - b. Setup.bin
 - c. GRC_InstallConfig.xml
 - d. validateXMLInputs.jar
 - e. log4j.xml

Note:

- a. If OFSAAI APP Layer, DB Layer, and WEB Layer are installed on different servers/users, files must be copied under all servers/users.
- b. Copy Setup.sh, log4j.xml, and GRC_InstallConfig.xml in text mode.
- c. Copy Setup.bin and validateXMLInputs.jar in binary mode to avoid control character.
- d. Grant 750 permission to all the files.

Configuring the log4j.xml File

You can configure the logging mechanism of installer using the log4j.xml. Refer to the following table to configure the log4j.xml file:

Table 5. Configuring the log4j.xml File

| Tag | Tag Value |
|-------------------|--|
| priority value | Enter any of the following values: <ul style="list-style-type: none">● DEBUG● INFO● WARN● ERROR <p>Note: if priority value is set to DEBUG, then the log messages for all the levels are written. DEBUG has the highest priority and ERROR has the least priority in the following sequence DEBUG > INFO > WARN > ERROR</p> |
| appender-ref ref | The appender name specified in the "appender-ref ref" tag is used for logging messages. By default, <i>ConfigReveleusFileAppender</i> is provided in the <i>log4j.xml</i> . |
| File | Enter the file path in the value tag. Example: <i>/oracle/setupapp/log/OFSAAIGUI.log</i> |
| Append | Enter <i>true</i> to append log messages (recommended). By specifying <i>False</i> each log file is replaced with new log message. |
| MaxFileSize | Enter the value of log file size. Ex: 1000kb. |
| MaxBackupIndex | The value indicates the maximum number of backups of the Log file created. |
| ConversionPattern | The conversion pattern in which the messages are logged in the in Log file is as indicated. [%d{E dd/m/yyyy hh:mm:ss}] [OFSAAI] [%5p] - %m%n |

Populating the GRC_InstallConfig.xml File

This file contains the following four layers:

- GENERAL Layer
- APPLICATION Layer
- DATABASE Layer
- WEB Layer

GRC_InstallConfig.xml contains placeholders, in the format ##<PLACEHOLDER Name>##, wherever user input is required. Replace these placeholders with the corresponding values as mentioned below.

GENERAL Layer

The Layer GENERAL (<Layer name="GENERAL">) contains the following placeholders to provide the parameter values specific to Users' system.

The variables under the GENERAL tag needs to be configured mandatorily for all the types of installations.

All the placeholders for this layer are tabulated below:

All the nodes for this layer are listed in Table 6.

Table 6. Layer - GENERAL

| Placeholders | Description |
|-------------------|---|
| ##CUST_ID## | <p>This variable is used to store the Customer ID. Replace this placeholder with Customer Code used during OFSAAI Installation.</p> <p>Example: <pre><VariableGroup name="OFSAA_INFRASTRUCTURE_CUSTOMER_CODE"> <Variable name="CUSTID">EDELIVERY</Variable> </VariableGroup>></pre></p> |
| ##INFODOM_1## | <p>This variable is used to specify the Information Domain name. Replace this placeholder with the infodom name used during OFSOR installation.</p> <p>Example: <pre><Variable name="INFODOM_NAME">ORINFODOM</Variable>></pre></p> <p>Note: Make sure to follow below convention while giving a new Information Domain Code:</p> <ul style="list-style-type: none"> ● Ensure that the Information Domain name specified is of minimum 6 characters long. ● Ensure that the Information Domain name does not contain any special characters or extra spaces. ● Ensure that the maximum length of Information Domain name should be less than or equal to 20 characters. |
| ##SEGMENT_1## | <p>This variable is used to specify the Segment Code. Replace this placeholder with the Segment Code used during OFSOR installation.</p> <p>Example: <pre><Variable name="SEGMENT_CODE">ORSEGMENT</Variable></pre></p> <p>Note: Make sure to follow below convention while giving a new Segment Code:</p> <ul style="list-style-type: none"> ● Enter a unique segment code. ● Ensure that there are no special characters and extra spaces in the code entered. ● Ensure that maximum length of Segment Code should less than or equal to of 10 characters. |
| ##FTPSHARE_PATH## | <p>This variable is used to identify the common share area path. Replace this placeholder with the same path as configured during OFSAAI Installation.</p> <p>Example: <pre><VariableGroup name="LOCAL_FTPSHARE_PATH"> <Variable name="FTPSHARE_PATH">/home/ftpshare</Variable> </VariableGroup></pre></p> |

APPLICATION Layer

The Layer APPLICATION (<Layer name="APPLICATION">) consist of the following placeholders, which must be replaced for installation of Application Layer as one of its component.

Table 7. Layer - Application

| Placeholders | Description |
|-------------------------|---|
| ##APP_LAYER## | <p>This flag is used to Identify if OFSOR Application Layer component are to be installed on this machine.</p> <p>Allowable values for this placeholder are 0 and 1. Replace this placeholder with:</p> <ul style="list-style-type: none">● 1 - If APPLICATION Layer component is to be installed● 0 - If APPLICATION Layer component is not to be installed <p>Replace the place holder with 1 in case of OFSAAI was installed in Single Tier mode.</p> <p>Note: In case of OFSAAI was installed in Multi Tier mode, this value needs to be set according to OFSAAI Application layer installed on this machine:</p> <ul style="list-style-type: none">● Replace the placeholder with 1 for the machine hosting OSFAAI application layer.● Replace the placeholder with 0 for the machine NOT hosting OSFAAI application layer. |
| ##OR_APPLICATION_USER## | <p>This variable is used to specify the Atomic Schema user name. Replace this placeholder with the Atomic Schema user name used during OFSOR installation.</p> <p>Example:</p> <pre><VariableGroup name=" OR_ATOMIC_USER"> <Variable name="ATOMIC_SCHEMA_USER_NAME">ORATOMIC</Variable> </VariableGroup></pre> |

DATABASE Layer

The Layer DATABASE (<Layer name="DATABASE">) contains the following placeholders, which must be configured for installation of Database Layer as one of its component.

Table 8. Layer - DATABASE

| Placeholders | Description |
|------------------------|--|
| ##DB_LAYER## | <p>This flag is used to Identify if OFSGCM Database Layer component are to be installed on this machine.</p> <p>Allowable values for this placeholder are 0 and 1. Replace this placeholder with:</p> <ul style="list-style-type: none"> ● 1 – If DATABASE Layer component is to be installed ● 0 – If DATABASE Layer component is not to be installed <p>Replace the place holder with 1 in case if OFSAAI was installed in Single – Tier mode.</p> <p>Note: In case OFSAAI was installed as Multi –Tier mode, this value needs to be set according to OFSAAI Database layer installed on this machine:</p> <ul style="list-style-type: none"> ● Replace the placeholder with 1 for the machine hosting OSFAAI database layer. ● Replace the placeholder with 0 for the machine NOT hosting OSFAAI database layer. |
| ##INDEX_TABLESPACE_1## | <p>Replace this placeholder with the INDEX Table Space Name used during OFSOR installation.</p> <p>Example: <Variable name=" INDEX_TABLE_SPACE" >OR_INDEXES_TBS</Variable></p> |

WEB Layer

The Layer WEB (<Layer name="WEB">) contains following placeholders which must be configured for installations of the WEB layer as one of its component.

Table 9. Interaction Groups in Layer - WEB

| Interaction Group Name | Details of the Values to be Assigned to the Interaction Group |
|------------------------|--|
| ##WEB_LAYER## | <p>This flag is used to Identify if OFSGCM Web Layer component are to be installed on this machine. Allowable values for this placeholder are 0 and 1. Replace this placeholder with:</p> <ul style="list-style-type: none"> ● 1 – if WEB Layer component is to be installed ● 0 – if WEB Layer component is not to be installed <p>Replace the place holder with 1 in case of OFSAAI was installed as Single – Tier mode.</p> <p>Note: In case of OFSAAI was installed as Multi –Tier mode, this value needs to be set according to OFSAAI WEB layer installed on this machine.</p> <ul style="list-style-type: none"> ■ Replace the placeholder with 1 for the machine hosting OSFAAI web layer. ■ Replace the placeholder with 0 for the machine NOT hosting OSFAAI web layer. |
| ##OBIEE## | <p>This variable is used to identify whether Oracle Business Intelligence Enterprise Edition (OBIEE) needs to be integrated in the setup. Allowable values for this placeholder are 0 and 1. Replace this placeholder with:</p> <ul style="list-style-type: none"> ● 0 – if OBIEE reports related files are not be installed ● 1 – if OBIEE reports related files are to be installed <p>Example: <Variable name="OBIEE_REPORTS">1</Variable></p> |

Installing Oracle Financial Services Governance and Compliance Management

To install Oracle Financial Services Governance and Compliance Management, follow these steps:

1. Navigate to Home directory of Unix user, under which OFSAAI is installed and execute the `.profile` file using following command:

```
.. ./profile
```
2. Navigate to the directory where OFSGCM installer has been copied and provide execute permission for `Setup.sh`
3. Execute the `Setup.sh` file using following command:

```
./Setup.sh SILENT
```

Note:

- Do not execute `Setup.sh` with `SILENT` option in the `nohup` mode.
- In case of Multi-tier architecture, where OFSAAI APPLICATION, DATABASE, and WEB Layer are installed on more than one server, the following order must be followed for installation:
 - APPLICATION Layer
 - DATABASE Layer
 - WEB Layer
- The `SILENT` mode of installation does not require any simulator.
- The user will be prompted to input following users and passwords through console:
 - Enter OR Atomic Schema Password / Re-enter OR Atomic Schema Password:
- Enter the password corresponding to the user entered against `##OR_APPLICATION_USER##`.

Installation Log Files

On completion of installation check the installation logs.

Following is a list of logs created by installer:

- `GCM_LOG.log`: This log is created in the directory where OFSGCM installer has been copied.
- `SolutionSetup_InstallLog.log`: This log is created in `FIC_HOME` area of the machine where Installer was triggered.
- `SolutionsLOG.log` - This log is created in `FIC_HOME` area.

If the logs contain any Fatal, Non-Fatal errors then bring them to the notice of Oracle Support. DO NOT proceed with the installation until all the concerns have been adequately addressed.

This chapter describes the post-installation activities.

This section covers following topics:

- Updating the CustomLHSMenu.xml File
- Resource Reference Configuration
- Start / Stop Services
- Save Metadata

Updating the CustomLHSMenu.xml File

Once the GCM 6.0 is installed successfully, you must update the CustomLHSMenu.xml file to reflect Governance, Risk and Compliance in the application LHS Menu.

To update the CustomLHSMenu.xml file, follow these steps:

1. Navigate to `$FIC_APP_HOME/common/FICServer/conf`
2. Open the CustomLHSMenu.xml file.
3. In the `<MENUITEM>` tag applicable for Operational Risk, replace the values of parameters namely `LINK_TEXT` and `TOOLTIP_TEXT` to “**Governance, Risk and Compliance**” from “**Operational Risk**”.
4. Save the CustomLHSMenu.xml file.

Resource Reference Configuration

Once the installation of OFSGCM is completed, you must the Configure Resource Reference for the Infodomain on which the GCM is installed if it was not configured earlier. Subsequently, redeploy the EAR/WAR file. For more information on Configuring Resource Reference and deploying EAR/WAR files, refer *Oracle Financial Services Analytical Applications Infrastructure Installation Guide*.

Start / Stop Services

Once the installation of OFSGCM has been completed successfully and the post-installation steps are completed, the servers must be restarted. For more information, refer to the *Start/Stop Infrastructure Services* section of *Oracle Financial Services Analytical Applications Infrastructure Installation Guide*.

The Oracle Financial Services Governance and Compliance Management application is now ready for use.

Save Metadata

Login to the Application with ORAdmin user and Resave all Hierarchies.

Note: For more information, refer to *OFSAAI 7.3 User Manual - Administration > Save Metadata section*.

Uninstalling the Governance and Compliance Management Application

This chapter explains how to uninstall the application.

This section includes the following topics:

- Overview
- Prerequisites
- Uninstalling the Governance and Compliance Management Application
- Note

Overview

The Governance and Compliance Management Uninstaller removes all the seeded data inserted as part of the installation. Once the uninstallation is complete, you can install the Governance and Compliance Management application again on the same environment.

Prerequisites

Before you attempt to uninstall the application, ensure that you have performed the below tasks:

- Ensure that there are no open connections to the Configuration Schema and Atomic Schema. Also make sure all Infrastructure servers are shutdown.
- Ensure to take a backup of the Configuration Schema, Atomic Schema, Installation Directory, and FTP Share folder.

Uninstalling the Governance and Compliance Management Application

To uninstall the Governance and Compliance Management application, follow these steps:

1. Run the `.profile`.
2. Navigate to `$FIC_HOME/Uninstall_GCM/` directory and grant execute permission to `Uninstall_App.sh` file.
3. Execute `Uninstall_App.sh` and follow the on-screen instructions.

Note

The following are the few items to be noted while performing the uninstallation:

- Uninstallation will not remove the Infrastructure application from the Web Application Server.
- Uninstallation will not remove the Form XMLs as they will get replaced during the subsequent installation.
- Model upload that occurred during the GCM installation will not be dropped. Only the objects created by the GCM installer such as Functions, Procedure, Synonyms and so on will be removed.

Deploying Governance and Compliance Management Dashboards Analytics

This chapter explains how to deploy Governance and Compliance Management Report Analytics on Oracle Business Intelligence Enterprise Edition (OBIEE).

This chapter includes the following sections:

- Installing OBIEE Server
- Installing OBIEE Windows Administration Client
- Disabling the Cache Feature in OBIEE Server
- Deploying Governance and Compliance Management Report Analytics
- Post Installation Steps

Installing OBIEE Server

To install Oracle Business Intelligence Enterprise Edition (OBIEE) server, refer to Oracle Fusion Middleware Installation Guide for Oracle Business Intelligence11g Release 1 (11.1.1). After installing Oracle Business Intelligence Enterprise Edition (OBIEE) server, get the Enterprise Manager URL, username, password, and OBIEE installed directory from the System Administrator.

Note: Once the OBIEE server is installed, it should be upgraded to the version as mentioned in the Environment section.

Installing OBIEE Windows Administration Client

To install OBIEE repository administration client for Windows machine, refer to *Oracle® Fusion Middleware Installation Guide for Oracle Business Intelligence11g Release 1 (11.1.1)*.

Disabling the Cache Feature in OBIEE Server

Login to Enterprise Manager, and perform the following steps:

1. Click **Business Intelligence** folder from left hand side menu and select **coreapplicaiton** (Figure 1).

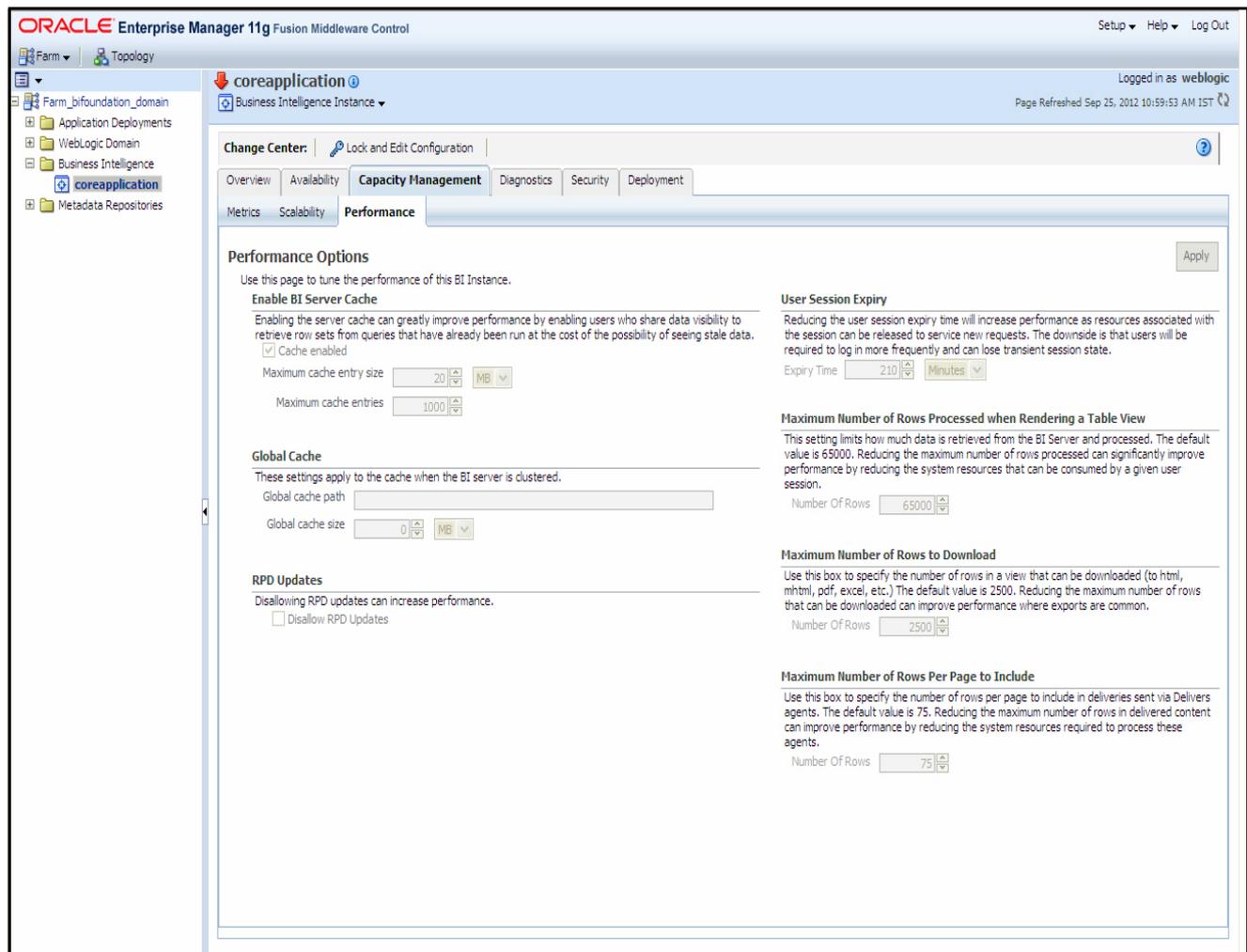


Figure 1. OBIEE Windows Administration Screen to Disable the Cache

2. Click on **Capacity Management** tab. Select **Performance** tab.
3. Click **Lock and Edit Configuration** tab.
4. Uncheck the Cache Enabled option to disable the cache.

Deploying Governance and Compliance Management Report Analytics

To deploy Analytic Reports, follow these steps:

1. Stop Oracle Process Manager and Notification Server (OPMN) services by executing the following command:
`<OBIEE Installed Directory>/instances/instance1/bin
./opmnctl stopall`
2. Copy GCM_6.rpd from \$FIC_HOME/OBIEE of Web layer to windows machine where the OBIEE windows administration client is installed.
3. To change the default password for the repository, follow these steps:
 - a. Open the repository using OBIEE Windows administration client.

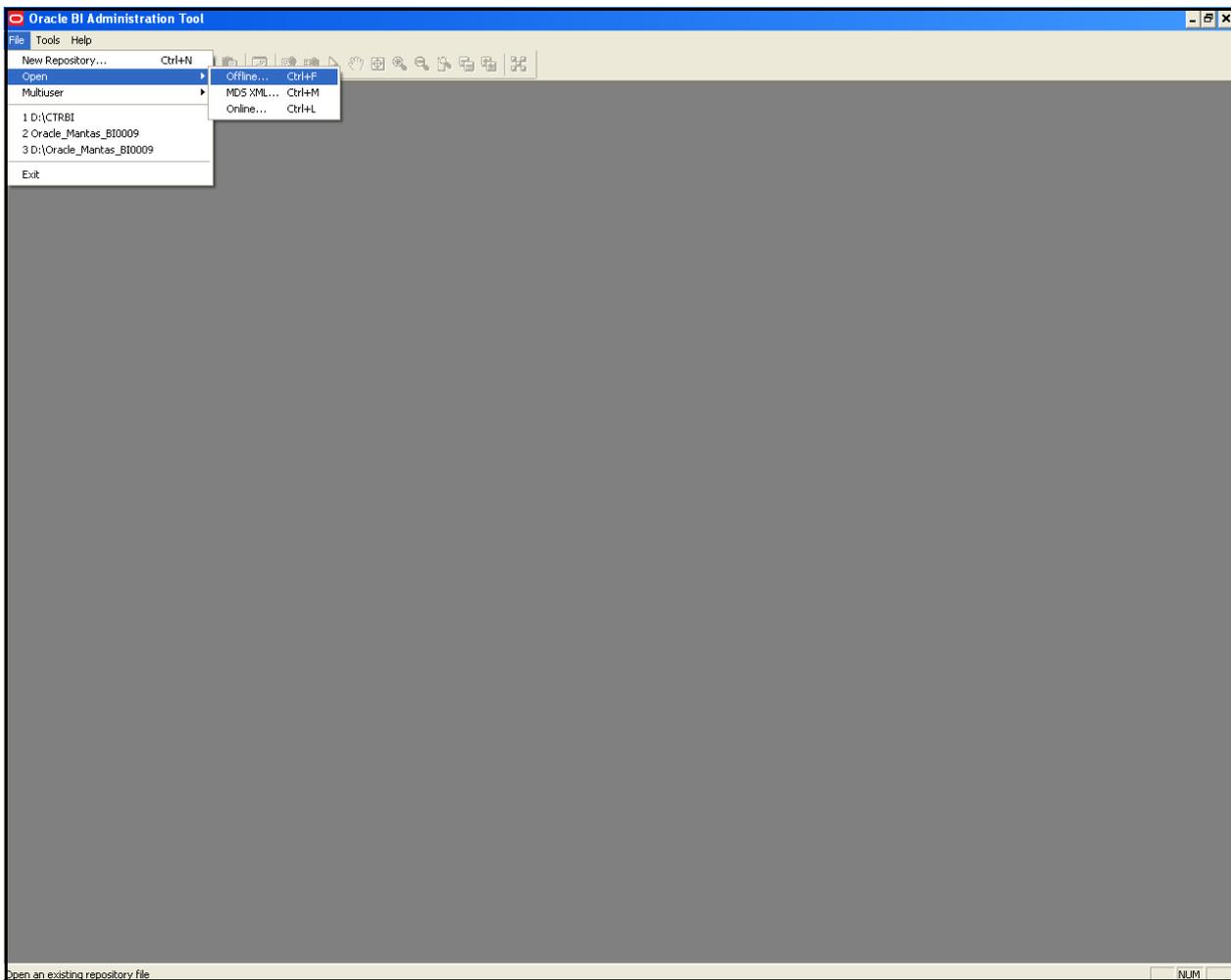


Figure 2. OBIEE Windows Administration Client to Open Repository

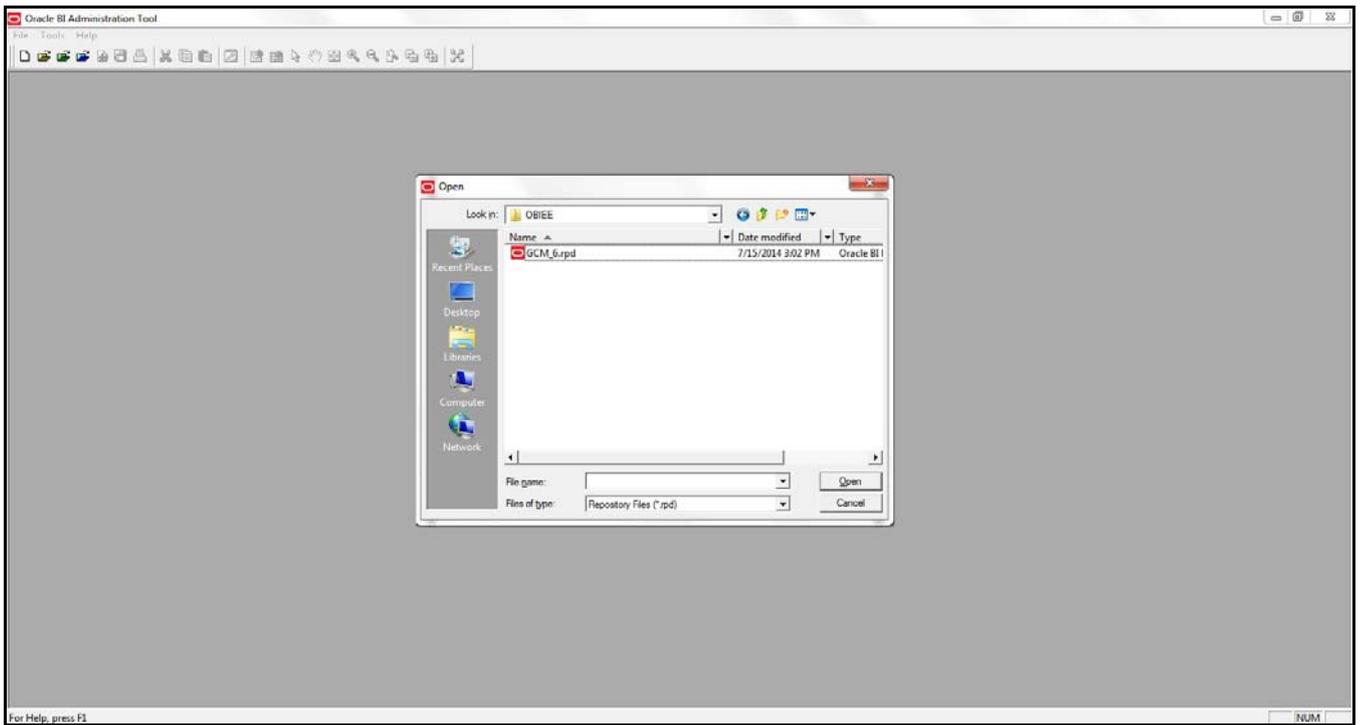


Figure 3. OBIEE Windows Administration Client to Select Repository from Windows Machine

- b. Enter default repository password as password123.

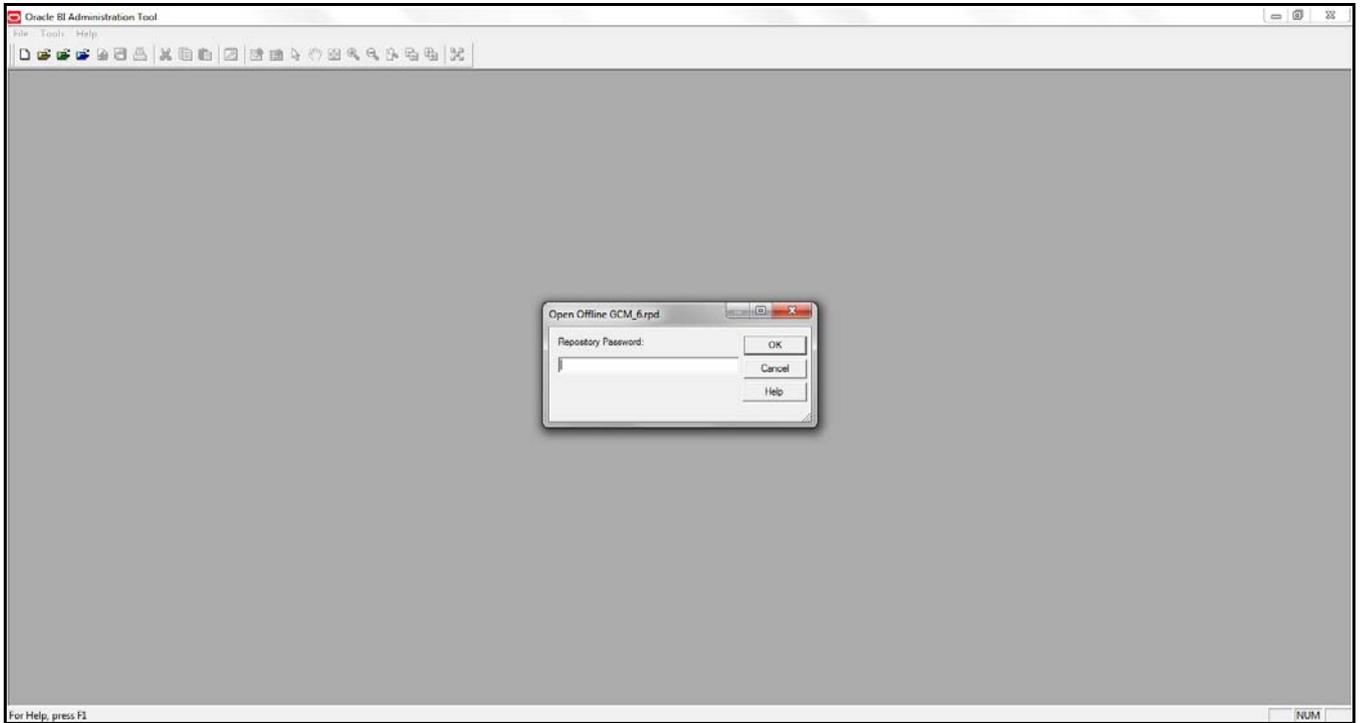


Figure 4. OBIEE windows Administration Client to enter Repository Default Password

c. Click **File** menu, select **Change Password**.

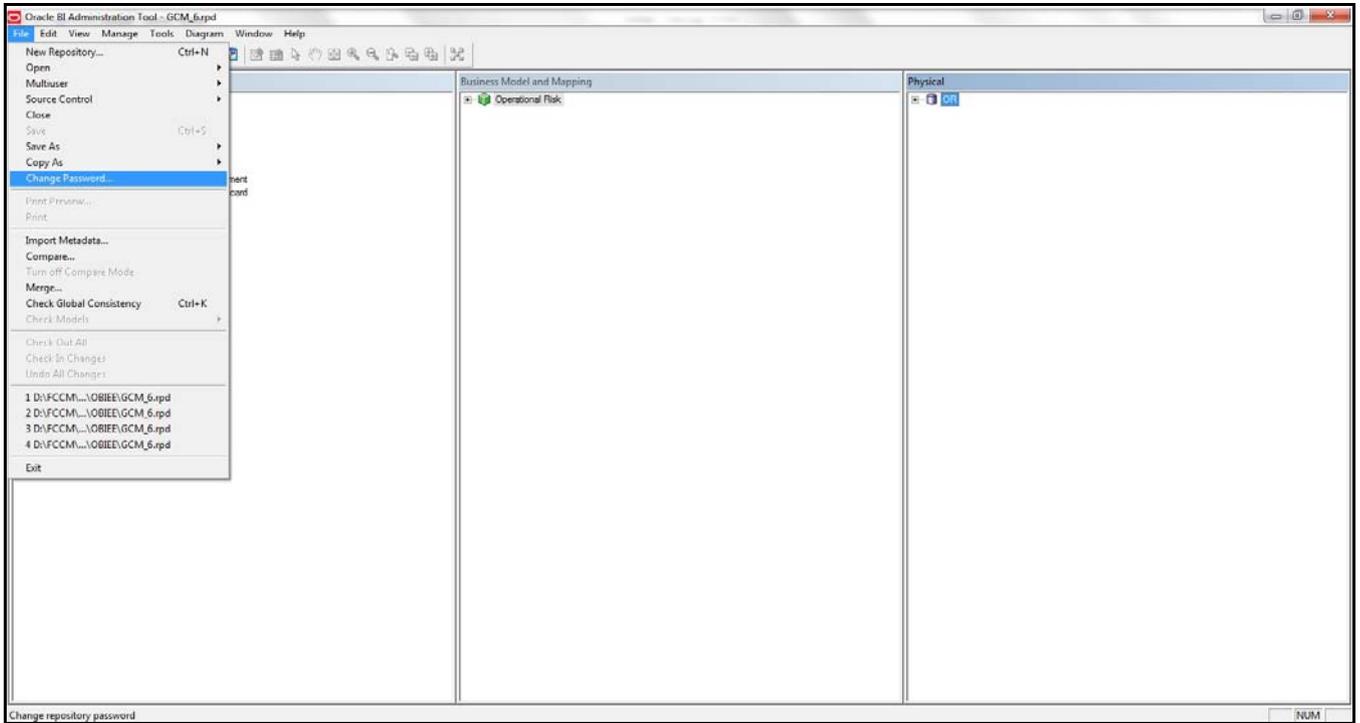


Figure 5. OBIEE Windows Administration Client to Change the Password of Repository

d. Enter the new password. Click **OK**.

4. To configure connection pool of repository, follow these steps:
 - a. In the physical section, expand **OR** folder.

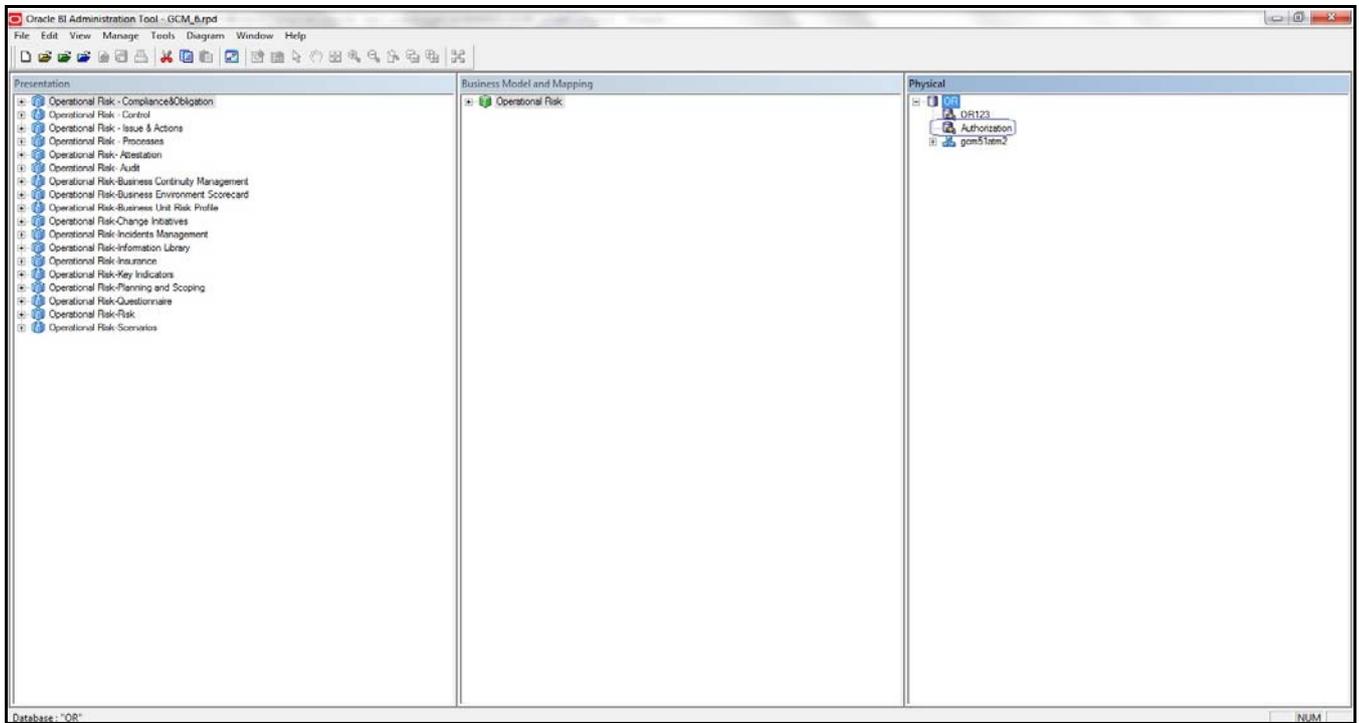


Figure 6. OBIEE Windows Administration Client to Open Connection Pool Window

- b. Double-click **Authorization Connection Pool** to open the Connection Pool Properties window.
- c. Enter the following in *Data Source Name* text box of Connection Pool Properties window after modifying <Database Server Host Name> and <Database Name>

```
(DESCRIPTION= (ADDRESS= (PROTOCOL=TCP) (HOST=<Database Server Host Name>) (PORT=1521)) (CONNECT_DATA= (SERVER=DEDICATED) (SERVICE_NAME=<Database Name>)))
```
- d. Enter atomic schema user in **User name** text box.
- e. Enter atomic schema user password in **Password** text box.
- f. Click **OK**.

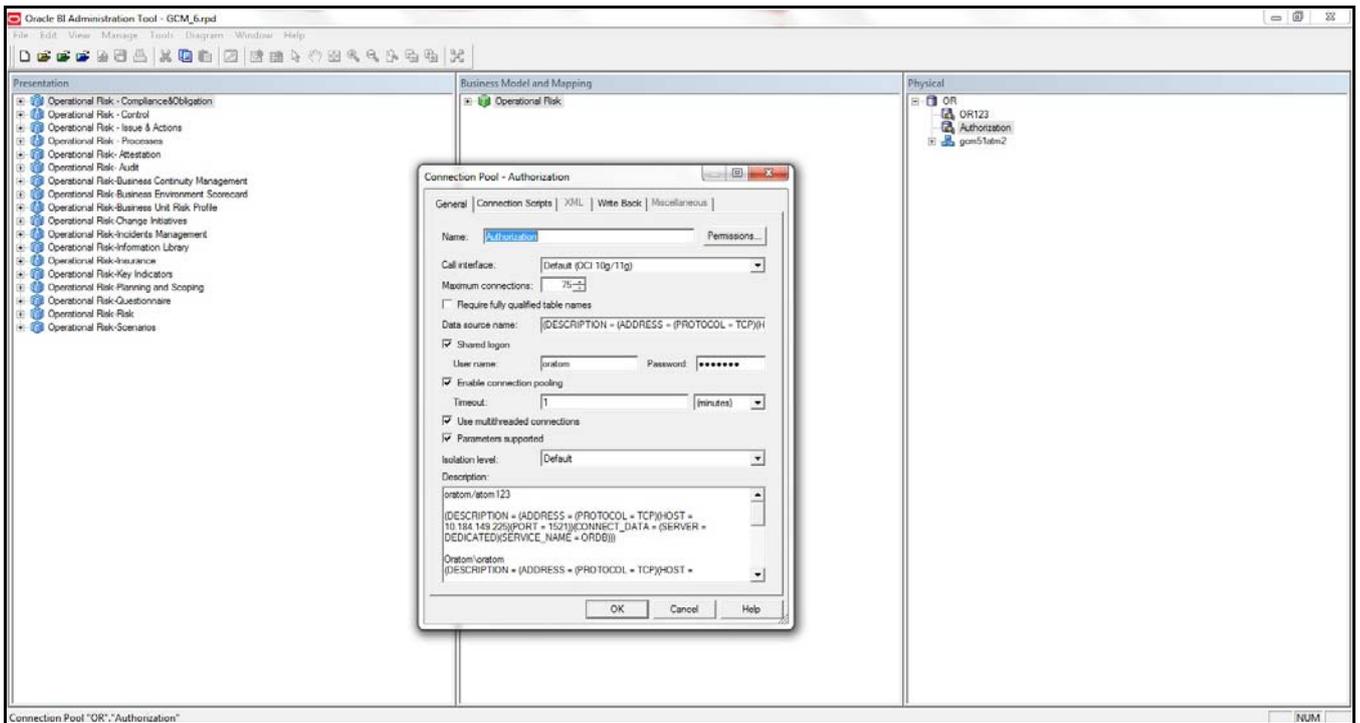


Figure 7. OBIEE Windows Administration Client to modify Connection Pool variables

- g. Double-click **OR123** to open the Connection Pool window (Figure 8).
- h. Enter the following in *Data Source Name* text box of Connection Pool-VAR_CONN_POOL properties window after modifying <Database Server Host Name> and <Database Name>


```
(DESCRIPTION = (ADDRESS = (PROTOCOL = TCP) (HOST = <Database Server Host Name>) (PORT = 1521)) (CONNECT_DATA = (SERVER = DEDICATED) (SERVICE_NAME = <Database Name>)))
```
- i. Enter atomic schema user in **User name** text box.
- j. Enter atomic schema password in **Password** text box.
- k. Click **OK**.

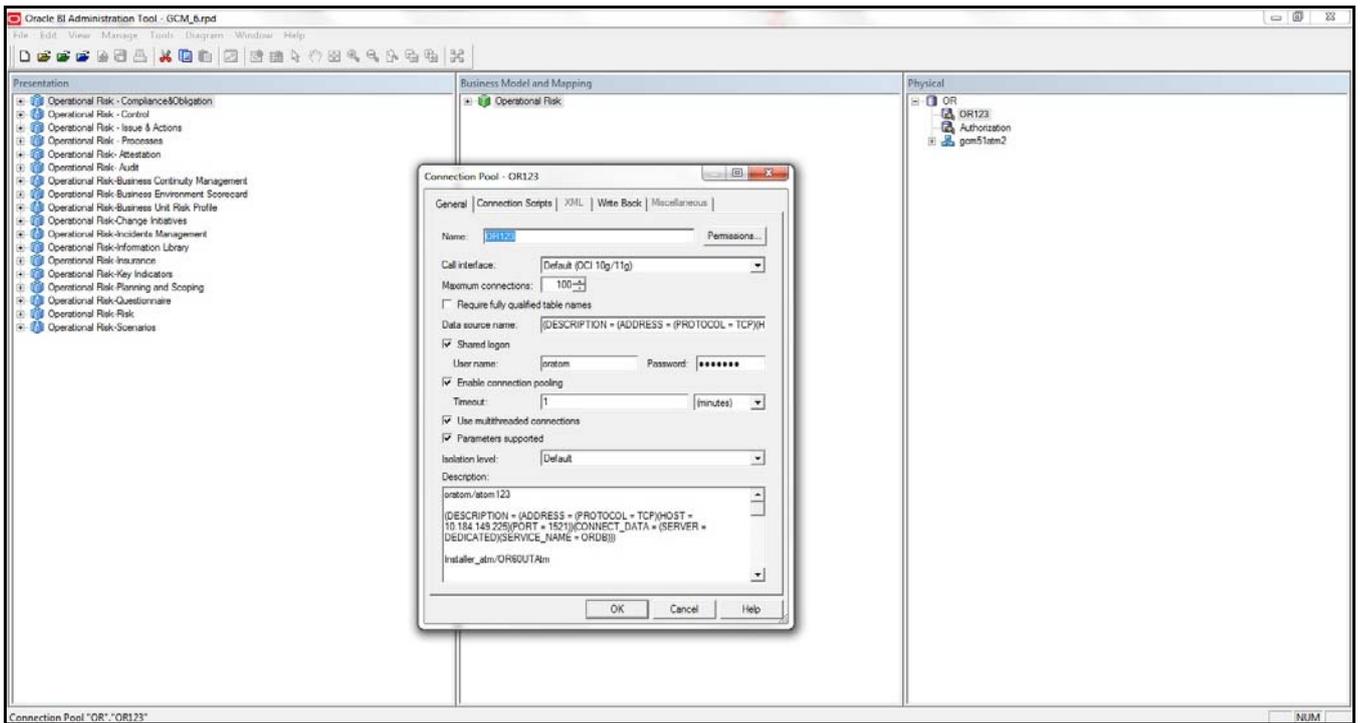


Figure 8. OBIEE Windows Administration Client to modify Connection Pool-VAR_CONN_POOL variables

5. Click File menu and then click **Save**.

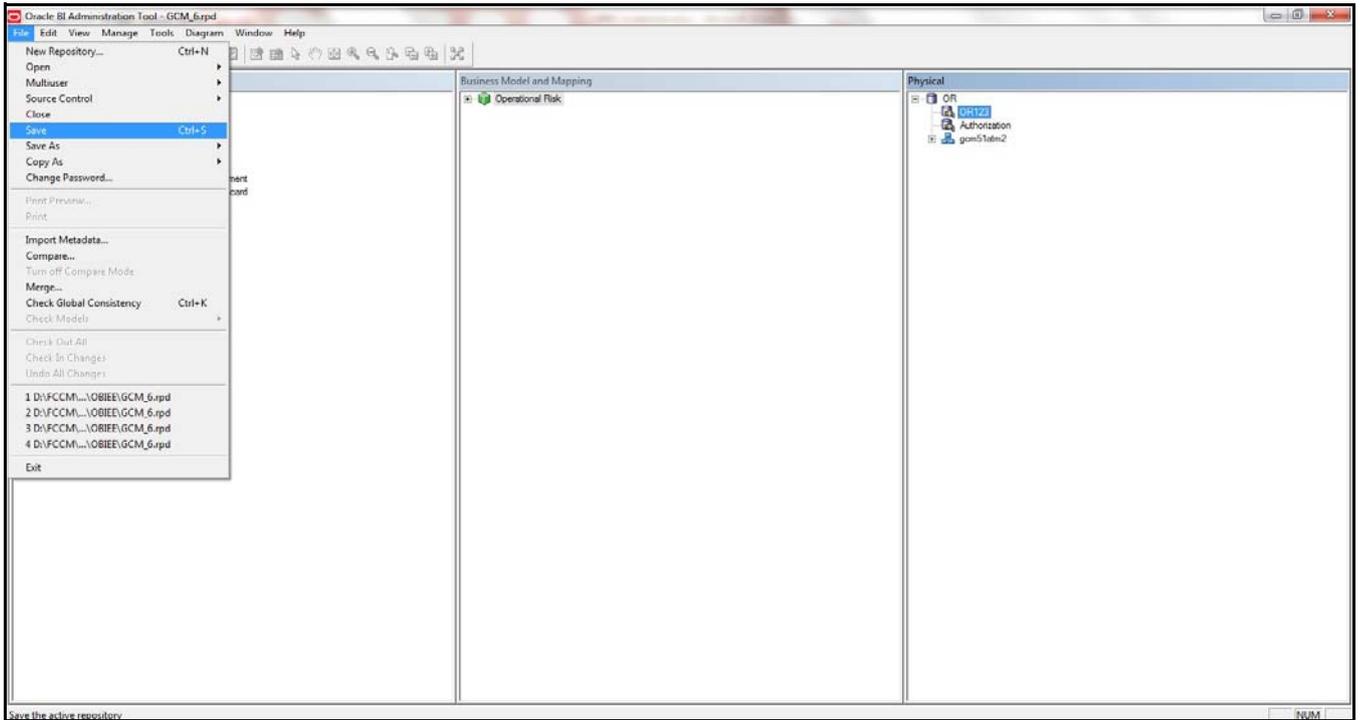


Figure 9. OBIEE Windows Administration Client to save Repository changes

6. Click **Yes** on the pop-up message *Do you want to check global consistency?*

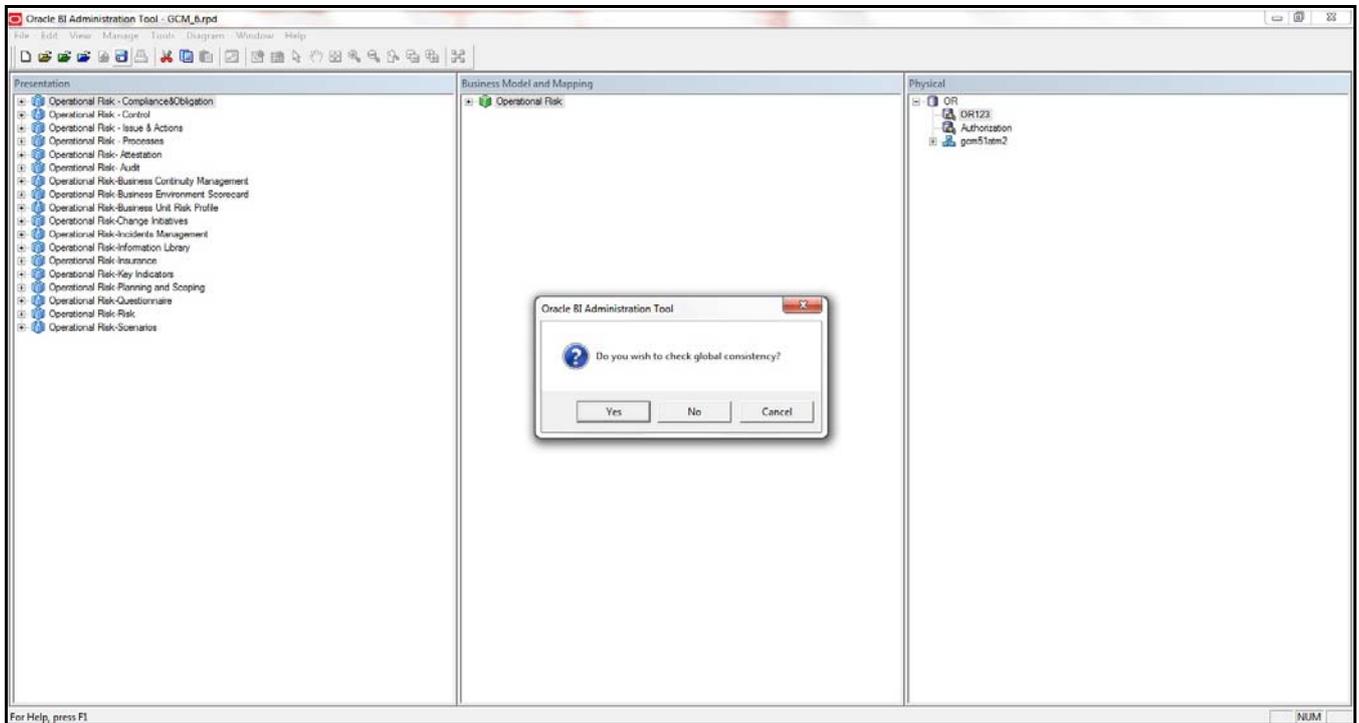


Figure 10. OBIEE Windows Administration Client to check global consistency

- Click **OK**, on the pop-up message *Consistency check didn't find any errors, warning or best practices violations.*

Note: Warnings on consistency check can be ignored.

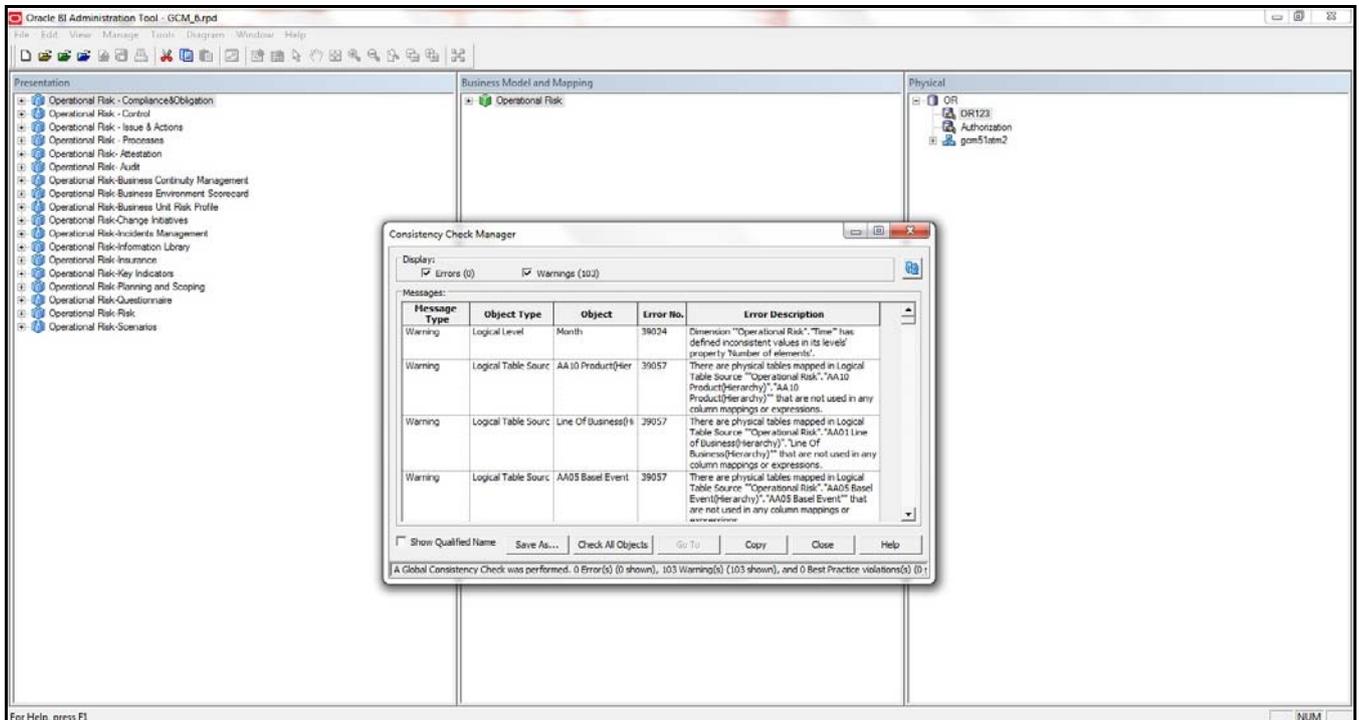


Figure 11. OBIEE Windows Administration Client with global consistency checking message

- Copy GCM_6.zip folder from <\$FIC_HOME>/OBIEE of Web layer and place under <OBIEE Installed Directory>/instances/instance1/bifoundation/OracleBIPresentationServicesComponent/core application_obips1/catalog
- Unzip the GCM_6.zip folder.
- Login to Enterprise Manager. Click **Business Intelligence** folder at left hand side. Select **coreapplication** and then click on **Deployment** tab.
- Click **Repository** tab.

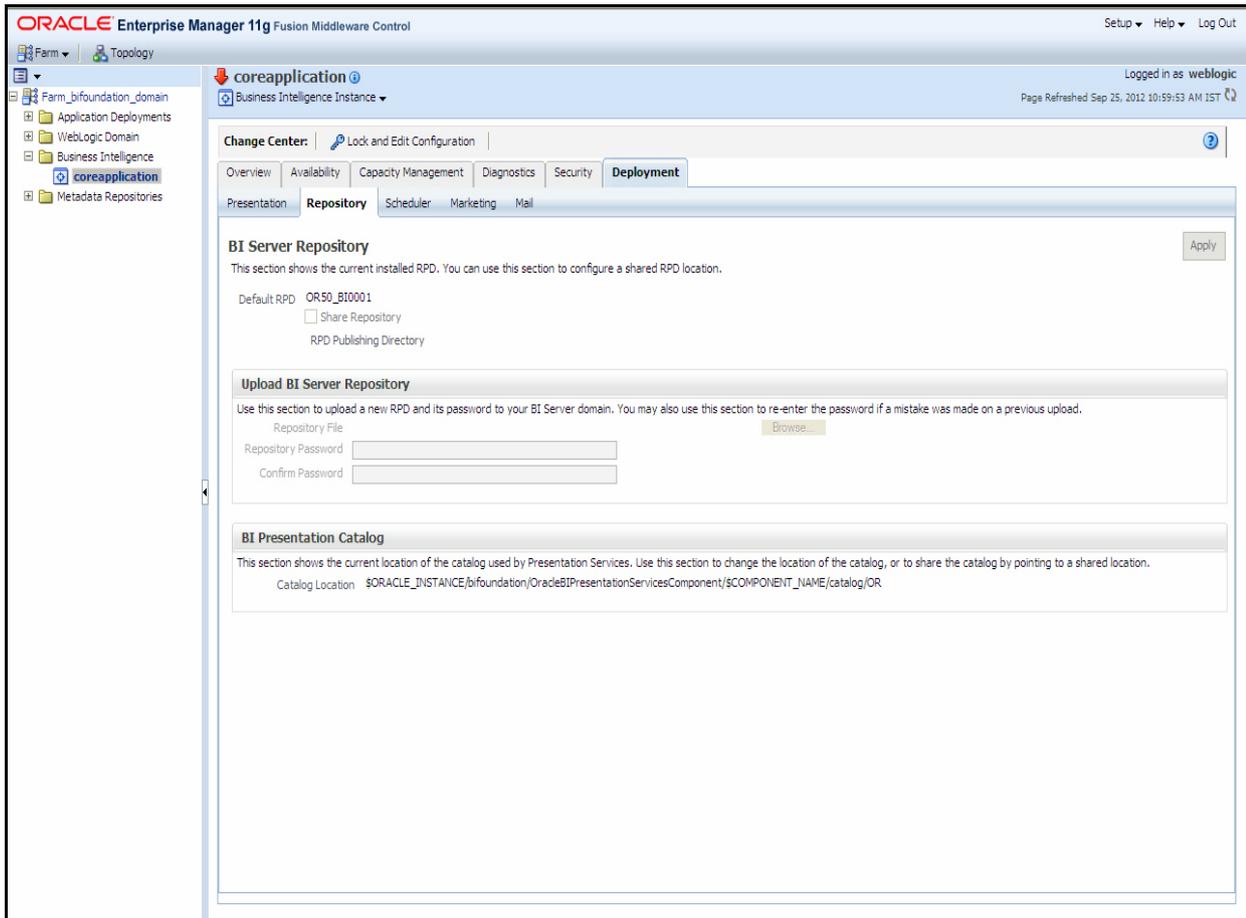


Figure 12. OBIEE Enterprise Manager to deploy Repository

12. Click **Lock and Edit Configuration**. The Lock and Edit Configuration Confirmation window displays.

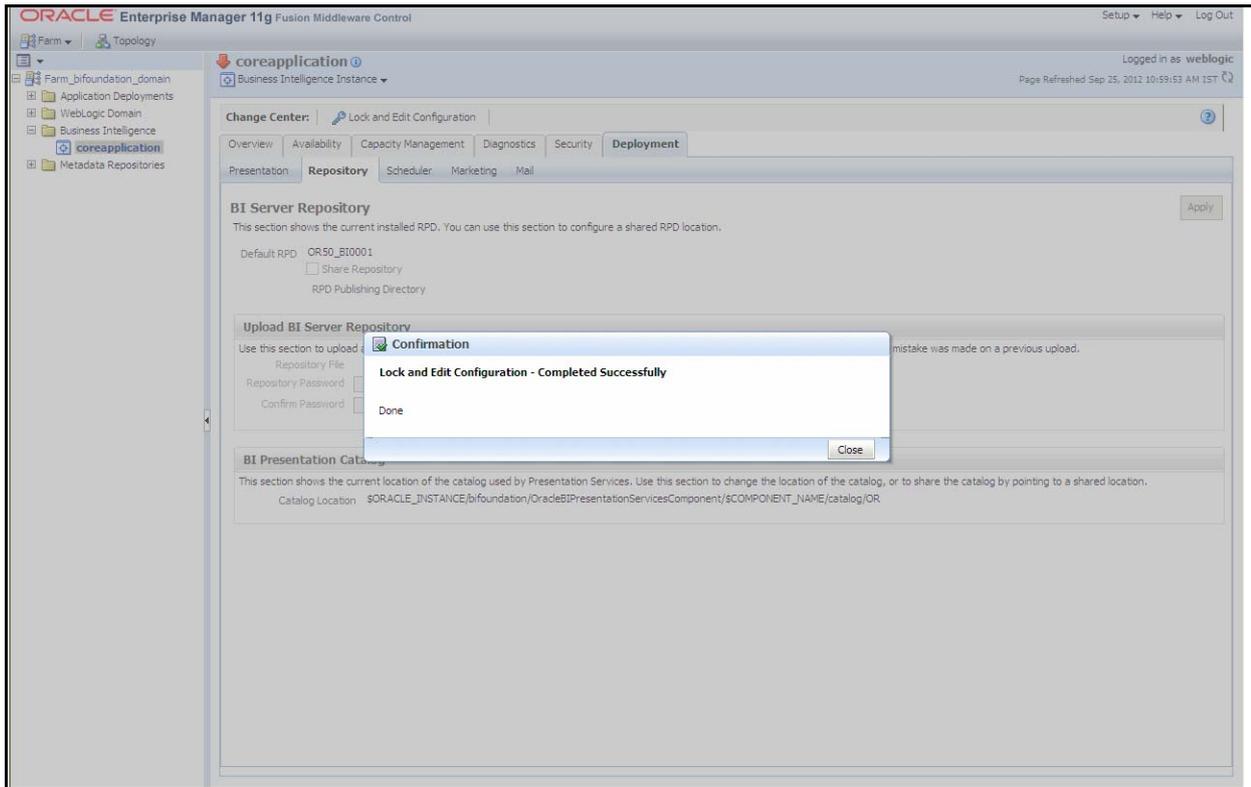


Figure 13. OBIEE Enterprise Lock and Edit Configuration Page

13. Click **Close**.
14. In *Upload BI Server Repository* section, browse the `GCM_6.rpd` file from Windows machine.
15. Enter the new repository password in the text boxes repository password and confirm password.
16. In *BI Presentation Catalog* section, provide the *Catalog Location* as

```
<OBIEE Installed
Directory>/instances/instance1/bifoundation/OracleBIPresentationServicesComponent/core
application_obips1/catalog/OR_6
```
17. Click **Apply**.
18. Click **Activate Changes**. An Activate Changes Confirmation window displays.

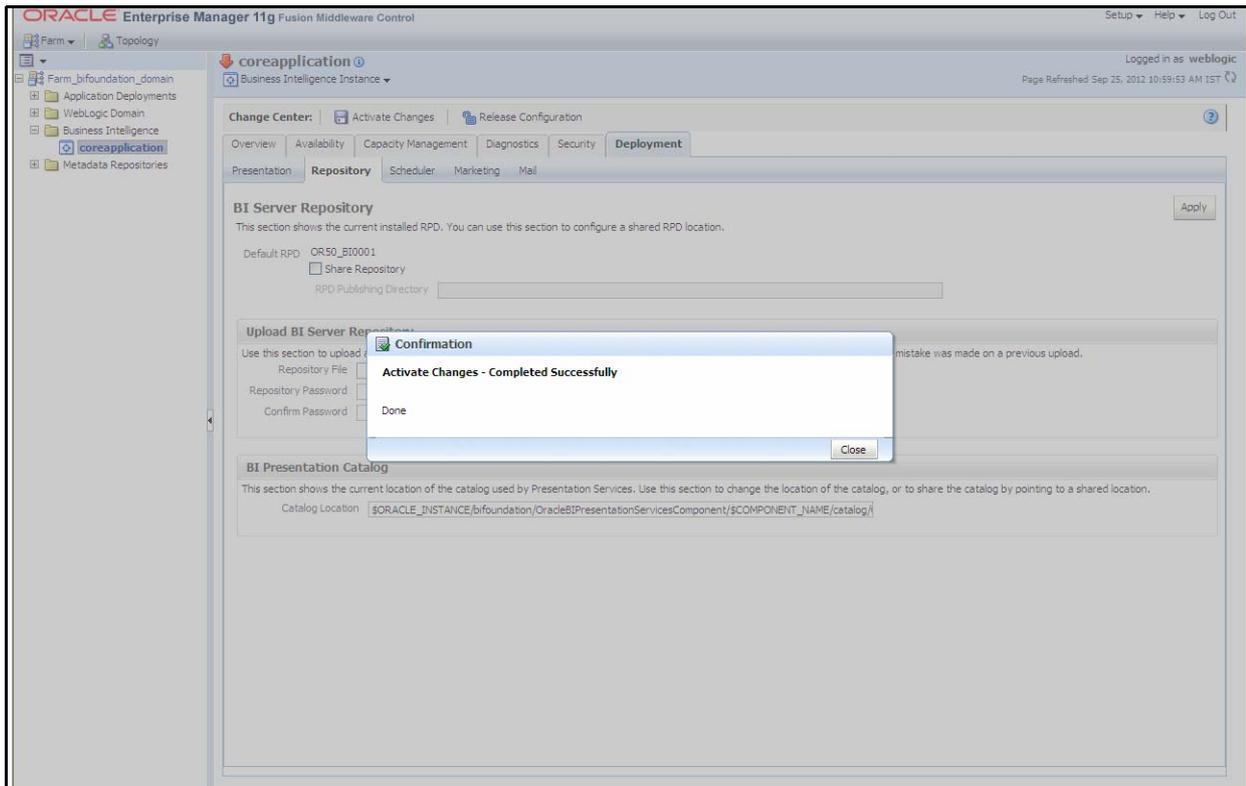


Figure 14. OBIEE Enterprise Activate Changes page

19. Click **Close**.
20. Modify <OBIEE Installer Directory>
 /instances/instance1/config/OracleBIPresentationServicesComponent/coreapplication_obip
 s1/instanceconfig.xml as shown in the following
 From

```
<Security>
<!--This Configuration setting is managed by Oracle Enterprise Manager Fusion
Middleware Control-->
<ClientSessionExpireMinutes>210</ClientSessionExpireMinutes>
</Security>
```

 To

```
<Security>
<!--This Configuration setting is managed by Oracle Enterprise Manager Fusion
Middleware Control-->
<ClientSessionExpireMinutes>210</ClientSessionExpireMinutes>
<InIFrameRenderingMode>allow</InIFrameRenderingMode>
</Security>
```
21. Modify the <OBIEE Installed Directory>/OracleBI1/bifoundation/web/app/WEB-INF/web.xml

From

```
<servlet-mapping>
<servlet-name>RelatedContent</servlet-name>
<url-pattern>/RelatedContent</url-pattern>
</servlet-mapping>
<login-config>
<auth-method>CLIENT-CERT</auth-method>
</login-config>
```

To

```
<servlet-mapping>
  <servlet-name>RelatedContent</servlet-name>
<url-pattern>/RelatedContent</url-pattern>
</servlet-mapping>
<context-param>  <param-name>oracle.adf.view.rich.security.FRAME_BUSTING</
param-name>
<param-value>never</param-value>
</context-param>
<login-config>
<auth-method>CLIENT-CERT</auth-method>
</login-config>
Re-start Weblogic
```

22. Start Oracle Process Manager and Notification Server (OPMN) services by executing the following command:

```
./opmnctl startall.
from <OBIEE Installed Directory>/instances/instance1/bin directory.
```

Post Installation Steps

In the OFSAAI Application config schema, the following entries are required:

CONFIGURATION

| PARAMNAME | PARAMVALUE | DESCRIPTION |
|---------------------------|---|---|
| OBI_URL_RORDEMO | http://sjrdd0257:7001/analytics/saw.dll | For OBIEE Reports Tab |
| RORDEMO_RORDEMO48_OBI_URL | http://sjrdd0257:7001 | OBIEE server URL which is used to call OBI Reports in Landing Page. |

| Table Name | Parameter Name | Value |
|---------------|--|--|
| Configuration | OBI_URL_<<INFODOM>> for example: OBI_URL_GCMINFO | http://<ip address or hostname>:<port>/analytics/saw.dll |
| Configuration | <<INFODOM_SEGMENT>>_OBI_URL for example: GCMINFO_GCMSEG_OBI_URL | http://<ip address or hostname>:<port> |

This appendix describes the pre-installation steps.

It includes the following topics:

- Creating Information Domain and Segment
- Uploading Data Model

Creating Information Domain and Segment

Create information domain and segment to proceed the installation of solution.

Refer to *OFSAAI System Configuration & Administration User Manual* for manually creating Information Domain and Segment.

Uploading Data Model

Data Model should be uploaded to the Atomic Schema created as a part of Pre-Installation Activity.

The Oracle Financial Services Governance and Compliance Management Data Model is available in `Data_Model` folder.

For more information on Data Model upload, refer section *OFSAAI Unified Metadata Manager* in *OFSAAI User Manual*.

