

# Oracle Life Sciences Empirica Topics Reporting and Oracle Analytics Configuration Guide



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# Contents

## Preface

---

Documentation accessibility	v
Related resources	v
Access to Oracle Support	v
Additional copyright information	v

## 1 Introduction

---

## 2 System requirements

---

About system requirements	2-1
Database requirements	2-1
Oracle Analytics requirements	2-1
Oracle Empirica Signal and Oracle Empirica Topics requirements	2-2

## 3 Prepare the Oracle Empirica Signal database server for Oracle Analytics

---

Create a new Oracle Analytics account on the Oracle Empirica Signal database server	3-1
Create the Oracle Analytics database account for Oracle Empirica Topics	3-1
Create the Oracle Analytics views for Oracle Empirica Topics	3-2

## 4 Configure Oracle Analytics authentication

---

About configuring Oracle Analytics authentication	4-1
Increase Oracle Analytics server memory	4-2
Copy Oracle Empirica Signal authenticator files to the Oracle Analytics Linux server	4-3
Configure Oracle Analytics	4-4

## 5 Configure the Oracle Empirica Signal application

---

About configuring the Oracle Empirica Signal application	5-1
Modify the webvdme.properties file	5-1

	Enable the Oracle Analytics site option	5-2
	Assign user permissions for Oracle Analytics	5-2
<b>6</b>	<b>Start and stop Oracle WebLogic Server or Oracle Analytics</b>	
	About starting and stopping Oracle WebLogic Server or Oracle Analytics	6-1
	Confirm installation	6-1
	Start and stop Oracle WebLogic Server or Oracle Analytics	6-2
<b>7</b>	<b>Upgrade OBIEE/OAS for Oracle Empirica Topics 9.2.2</b>	
	Update an existing Oracle Business Intelligence account to Oracle Analytics	7-1
	Back up existing OBIEE topics reports	7-1
	Update the Oracle Analytics database account for Oracle Empirica Topics	7-2
	Update the Oracle Analytics Server	7-3
<b>8</b>	<b>Restore legacy OBIEE custom reports for use with OAS</b>	
	Upload the OBIEE report catalog	8-1
	Recreate custom reports	8-2
<b>9</b>	<b>Appendix: Configure OAS to work with GVP Module IX data model</b>	
	Select the target topic workflow configuration	9-1
	Upload GVP Module IX data model and catalog	9-1
	Set script parameters	9-1
	Execute the update script	9-2

# Preface

This preface contains the following sections:

- [Documentation accessibility](#)
- [Related resources](#)
- [Access to Oracle Support](#)
- [Additional copyright information](#)

## 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>.

## Related resources

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- English interface Customer Support Portal (<https://hsgbu.custhelp.com/>)
- Japanese interface Customer Support Portal (<https://hsgbu-jp.custhelp.com/>)

You can also call our 24x7 help desk. For information, visit <https://www.oracle.com/life-sciences/support/> or visit <http://www.oracle.com/pls/topic/lookup?ctx=acc&id=trs> if you are hearing impaired.

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# 1

## Introduction

This document is intended to guide Oracle Analytics Server administrators in configuring Oracle Analytics with the Oracle Empirica Signal application.

# 2

## System requirements

- [About system requirements](#)  
To use Oracle Analytics to report on Oracle Empirica Signal, your system must meet the Oracle Analytics and Oracle Database instance requirements.
- [Database requirements](#)  
The Oracle Database instance used by the Oracle Empirica Signal application has the requirements described here.
- [Oracle Analytics requirements](#)  
The system requirements for Oracle Analytics are listed here.
- [Oracle Empirica Signal and Oracle Empirica Topics requirements](#)  
The system requirements for Oracle Empirica Signal and Oracle Empirica Topics are listed here.

### About system requirements

To use Oracle Analytics to report on Oracle Empirica Signal, your system must meet the Oracle Analytics and Oracle Database instance requirements.

### Database requirements

The Oracle Database instance used by the Oracle Empirica Signal application has the requirements described here.

- Database connection information (TNS name, URL, port, service name).
- Username and password for the Oracle Empirica Signal database account and the system account.
- Name of the TOPIC\_WORKFLOW database account.

### Oracle Analytics requirements

The system requirements for Oracle Analytics are listed here.

- Oracle Analytics Server version 6.4 or 2023 with Java 8 and unlimited encryption extensions (JCE).
- Linux server name hosting Oracle Analytics.
- Linux non-privileged username used for the Oracle Analytics installation.
- URLs for the Oracle WebLogic Server Administration Console, Oracle Fusion Middleware, and Oracle Analytics.
- `Signal-9_2_2_<x_x_xxx>_OBIEE.zip` file from the Oracle Empirica Signal installation.
- If Oracle Analytics Server 2023 is installed, `ESI_9.2.2.1.zip` from the Oracle Empirica Signal 9.2.2.1 installation.

- `webvdme.properties` file from the Oracle Empirica Signal installation.

## Oracle Empirica Signal and Oracle Empirica Topics requirements

The system requirements for Oracle Empirica Signal and Oracle Empirica Topics are listed here.

- Oracle Empirica Signal release 9.2.2 or later, installed and configured.

 **Note:**

If the Oracle Empirica Signal application is installed and configured on a machine other than the machine where Oracle Analytics is being installed or configured, copy and keep the required `webvdme.properties` file in advance.

- Oracle Empirica Topics release 9.2.2 or later, installed and configured.
- Name and ID of the topic workflow configuration in the Oracle Empirica Signal application.
- Server and file system access to the Oracle Empirica Signal application server.



# 3

## Prepare the Oracle Empirica Signal database server for Oracle Analytics

- [Create a new Oracle Analytics account on the Oracle Empirica Signal database server](#)  
On the Oracle Empirica Signal database server, you create the Oracle Analytics database user account and populate the account with views that point to data items in the topic workflow configuration for reporting.

### Create a new Oracle Analytics account on the Oracle Empirica Signal database server

On the Oracle Empirica Signal database server, you create the Oracle Analytics database user account and populate the account with views that point to data items in the topic workflow configuration for reporting.

- [Create the Oracle Analytics database account for Oracle Empirica Topics](#)  
To prepare the Oracle Empirica Signal database server for Oracle Analytics, create the Oracle Analytics database account for Oracle Empirica Topics.
- [Create the Oracle Analytics views for Oracle Empirica Topics](#)  
To prepare the Oracle Empirica Signal database server for Oracle Analytics, you must create the Oracle Analytics views for Oracle Empirica Topics.

### Create the Oracle Analytics database account for Oracle Empirica Topics

To prepare the Oracle Empirica Signal database server for Oracle Analytics, create the Oracle Analytics database account for Oracle Empirica Topics.

1. On the Oracle Empirica Signal application server, unzip the `Database.zip` file.
2. Using a text editor, open the `create_topics_user_obiee.sql` file.
3. Modify the following properties as needed for your environment:

```
DEFINE TOPIC_WORKFLOW = '<topic workflow account>';  
DEFINE SIGNAL = '<Signal account>';  
DEFINE TABLESPACE = '<tablespace>'
```

4. In a command prompt window, execute the `create_topics_user_obiee.sql` script as the Oracle SYS user:

```
$ sqlplus sys@<database_server_TNS name> as sysdba  
@create_topics_user_obiee.sql
```

 **Note:**

The database may reside on a different server than the Oracle Empirica Signal server.

A password prompt appears.

5. Enter the password for the Oracle SYS account.

A list of topic workflow configuration names and IDs appears, and an ID prompt appears.

6. Enter the target topic workflow configuration ID.

The script creates the **OBIEE\_<topic workflow account>\_<topic workflow ID>** database user account.

A second password prompt appears.

7. Enter a password for the **OBIEE\_<topic workflow account>\_<topic workflow ID>** database user account.

 **Note:**

The password must not contain a dollar sign symbol (\$).

8. Record the password for later use.

After the script runs, the `create_topics_user_obiee.log` file is created and can be checked for errors.

## Create the Oracle Analytics views for Oracle Empirica Topics

To prepare the Oracle Empirica Signal database server for Oracle Analytics, you must create the Oracle Analytics views for Oracle Empirica Topics.

1. On the Oracle Empirica Signal application server, locate the `populate_obiee_topics.sql` file in the contents extracted from the `Database.zip` file.
2. Open the `populate_obiee_topics.sql` file in a text editor.
3. Modify the following properties as needed for your environment:

```
DEFINE TOPIC_WORKFLOW = '<topic workflow account>';
DEFINE SIGNAL = '<Signal account>'
```

4. In a command prompt window, execute the `populate_obiee_topics.sql` script as the database user you created in [Create the Oracle Analytics database account for Oracle Signal Topics](#), for example:

```
$ sqlplus OBIEE_<topic workflow account>_<topic workflow ID>@<TNS
name for database connection> @populate_obiee_topics.sql
```

A password prompt appears.

5. Enter the password for the **OBIEE\_<topic workflow account>\_<topic workflow ID>** database account that you created in [Create the Oracle Analytics database account for Oracle Empirica Topics](#).

An ID prompt appears.

6. Enter the topic workflow configuration ID that you entered in [Create the Oracle Analytics database account for Oracle Signal Topics](#).

After the script runs, the `populate_obiee_topics.log` file is created and can be checked for errors.

# 4

## Configure Oracle Analytics authentication

- [About configuring Oracle Analytics authentication](#)  
Before you start Oracle Analytics configuration, gather the following information.
- [Increase Oracle Analytics server memory](#)  
The default memory allocation to the Oracle Analytics Server must be increased before configuring authentication.
- [Copy Oracle Empirica Signal authenticator files to the Oracle Analytics Linux server](#)  
To support different security environments, configuration variables may be initialized (hard-coded) into the `initConfig.sh` script file, or prompted for (interactively) in the `configObiee.sh` script file.
- [Configure Oracle Analytics](#)  
The Oracle Analytics configuration script stops and re-starts the Oracle Analytics server several times during configuration.

### About configuring Oracle Analytics authentication

Before you start Oracle Analytics configuration, gather the following information.

- Oracle Database password for the Oracle Empirica Signal schema.
- Password for the `Topics.rpd` file.
- Password for the RPD connection database user.

During Oracle Analytics installation, replace each variable that you encounter in the instructions and record the new value as follows:

Name	Value
Linux server name	<Linux server name>
Linux non-privileged username	<Linux non-privileged username>
MIDDLEWARE_HOME	Full path to the Oracle Fusion Middleware Home, similar to <code>.../u01/app/oracle/Middleware/Oracle_Home</code>
ADMIN_USER	Oracle WebLogic Server administrator user name
ADMIN_PASS	Oracle WebLogic Server administrator password
DB_USER	Oracle Database user for the Oracle Empirica Signal schema
DB_PASS	Oracle Database user password for the Oracle Empirica Signal schema
SIGNAL_DB_CONNECT	Oracle Empirica Signal database TNS-style connection string, similar to <code>jdbc:oracle:thin:@//&lt;DB host URL&gt;:&lt;DB port&gt;/&lt;DB service name&gt;</code>
RPD_CONN_USER	User name for the RPD connection database user

Name	Value
RPD_CONN_PASS	Password for the RPD connection database user
RPD_CONN_DATASOURCE	TNS-style connection string for the RPD, similar to: (DESCRIPTION= (ADDRESS= (PROTOCOL=TCP) (HOST=<DB host URL>) (PORT=<DB port>))) (CONNECT_DATA= (SERVICE_NAME=<DB service name>)))
DOMAIN_NAME	Oracle Analytics domain name, such as bi
ADMIN_PORT	Oracle Analytics admin port, such as 9500
BI_PORT	Oracle Analytics port, such as 9502

**Note:**

Replace any tags of the <replaceDir> type with corresponding directory paths.

To access Oracle Empirica Topics reports in Oracle Analytics using your Oracle Empirica Signal password, you must install and configure the authentication plug-in.

## Increase Oracle Analytics server memory

The default memory allocation to the Oracle Analytics Server must be increased before configuring authentication.

1. In a browser, navigate to the WebLogic console:  
`https://<server name>:<admin port>/console`  
For example:  
`http://<server name>:9500/console`
2. Use the WebLogic admin credentials to login.
3. In the left pane, click **Lock & Edit**.
4. In the left pane, under Domain Structure, expand **Environment** and click **Servers**.
5. In the right pane, click **bi\_server**.
6. In the settings for bi\_server page, click the **Server Start** tab.
7. In the **Arguments** field, type:

```
-Xms1024m -Xmx4096m
```

**Note:**

This is the minimum recommended memory size. Adjust this value based on the hardware specifications.

8. Click **Save**.
9. In the left pane, click **Activate Changes**.
10. Log out of the console.

## Copy Oracle Empirica Signal authenticator files to the Oracle Analytics Linux server

To support different security environments, configuration variables may be initialized (hard-coded) into the `initConfig.sh` script file, or prompted for (interactively) in the `configObiee.sh` script file.

Any combination of hard-coding and interactive prompting is supported except `$`. For example, leaving password values blank in `initConfig.sh` would result in interactive prompts for the passwords in `configObiee.sh`.

1. Create temporary working folders `<tempFolder>` and `<linuxObieeDir>` on the Linux machine hosting Oracle Analytics.
2. Log into the Linux server using a privileged account and switch to a non-privileged account using the following `sudo` command:

```
sudo su - <non-privileged account>
```

3. Unzip the `Signal-9_2_2_0_xxx_OBIEE.zip` into a temporary working folder `<tempFolder>`.

The `OBIEE` directory is created in the `<tempFolder>` directory.

4. If Oracle Analytics Server 2023 is installed, unzip `ESI_9.2.2.1.zip` to a separate directory `<tempFolder2>`. Copy the `configObiee.sh` file from `<tempFolder2>` to replace the file in `<tempFolder>/config/`.
5. Using your privileged account, issue the following command:

```
sudo chmod -R 700 <tempFolder>
```
6. From the Oracle Empirica Signal installation, copy the `webvdme.properties` file into the `<tempFolder>/OBIEE/empiricaprovider` directory.
7. If necessary, explicitly provide the `webvdme.properties` file the permission to log in directly to the non-privileged account.

### Note:

The SSO plugin settings in the `webvdme.properties` file must match the SSO settings used by Oracle Analytics. For example, if SSO is not enabled on Oracle Analytics, comment out the "sso" plugin lines in the `webvdme.properties` file.

8. If the Oracle Analytics Admin port is different than the default value of 9500, edit the `<tempFolder>/OBIEE/empiricaprovider/obiee_auth.properties` file, changing "port=9500" to "port=<AdminPort>", where "<AdminPort>" is the Oracle Analytics Admin port.

9. Edit the `<tempFolder>/OBIEE/config/initConfig.sh` file. Set each variable in the `initialize configuration variables` section and record the new value. For more information, see [About configuring Oracle Analytics authentication](#). If desired, leave sensitive configuration variables such as passwords blank. Blank values will be prompted for in the `configObiee.sh` script.
10. **If you are customizing the topic workflow configuration for GVP Module IX:**

 **Note:**

In the following steps you modify the `configObiee.sh` file. Be sure to back up the `configObiee.sh` file before proceeding.

- a. Edit `configObiee.sh` and replace all occurrences of `Topics.rpd` with `Topics_gvp.rpd`.
- b. Save the `configObiee.sh` file.
11. Copy the `<tempFolder>/OBIEE` directory to the `<linuxObieeDir>` working directory on the Linux server. Record the full path to the `<linuxObieeDir>` directory.
12. Using your privileged account, issue the following command:

```
sudo chmod -R 700 <linuxObieeDir>
```

## Configure Oracle Analytics

The Oracle Analytics configuration script stops and re-starts the Oracle Analytics server several times during configuration.

Each restart takes over 10 minutes.

After the installation completes, the following message appears:

```
*****
* OAS configuration complete *
*****
```

1. Log into the Linux server hosting Oracle Analytics using the non-privileged account.
2. Navigate to the following configuration script directory:
 

```
cd linuxObieeDir/config
```
3. Execute the following script:
 

```
./configObiee.sh
```

# 5

## Configure the Oracle Empirica Signal application

- [About configuring the Oracle Empirica Signal application](#)  
To configure the Oracle Empirica Signal application, you must enable Oracle Empirica Topics reporting for Oracle Analytics, assign permissions, and add the Oracle Analytics URL to the `webvdme.properties` file.
- [Modify the `webvdme.properties` file](#)  
Follow these steps to modify the `webvdme.properties` file.
- [Enable the Oracle Analytics site option](#)  
Follow these steps to enable the Oracle Analytics site option.
- [Assign user permissions for Oracle Analytics](#)  
You must assign the appropriate Oracle Analytics permissions to users who need access to Oracle Empirica Topics reports.

### About configuring the Oracle Empirica Signal application

To configure the Oracle Empirica Signal application, you must enable Oracle Empirica Topics reporting for Oracle Analytics, assign permissions, and add the Oracle Analytics URL to the `webvdme.properties` file.

### Modify the `webvdme.properties` file

Follow these steps to modify the `webvdme.properties` file.

1. Log into the Oracle Empirica Signal application server.
2. Navigate to the `/u01/stage/Signal_Install/Signal/WEB-INF/classes` directory.
3. Using a text editor, open the `webvdme.properties` file.
4. Add the following line, replacing `<server>` and `<port>` with the appropriate values for your Oracle Analytics server:

```
reportingURL=http://<server>:<port>/analytics
```

#### Note:


The port number can change depending on whether SSO is being used.

5. Stop, update, and restart the Oracle Empirica Signal Weblogic application server using the Oracle WebLogic Server console.



## Enable the Oracle Analytics site option

Follow these steps to enable the Oracle Analytics site option.


1. Log into the Oracle Empirica Signal application as an administrator.
2. In the left navigation pane, click the **Settings** icon () .
3. From the Administrator System section, select **Set Site Options**.
4. Select the **Enable Oracle Analytics Reporting** check box.
5. Click **Save**.
6. Log out of the Oracle Empirica Signal application.

## Assign user permissions for Oracle Analytics

You must assign the appropriate Oracle Analytics permissions to users who need access to Oracle Empirica Topics reports.

The permissions provided in the Oracle Empirica Signal application correspond to the associated roles (BI Consumer, BI Author, BI Administrator) in Oracle Analytics. You should assign the permissions to Oracle Empirica Signal users according to their roles in Oracle Analytics.

Users must have at least the BI Consumer permission to view Oracle Empirica Topics reports in Oracle Analytics.

1. Log into the Oracle Empirica Signal application as an administrator.
2. In the left navigation pane, click the **Settings** icon () .
3. In the **Manage Users** section, click **Edit Roles**.
4. For the user role you want to edit, click **Edit**.
5. On the Edit Roles page, select the check boxes for the appropriate BI permissions.
6. Click **Save**.

If you modify permissions for an existing user role, then users currently logged in and associated with the user role are not affected by the changes during their current session. The changes take effect the next time they log into the application.

# 6

## Start and stop Oracle WebLogic Server or Oracle Analytics

- [About starting and stopping Oracle WebLogic Server or Oracle Analytics](#)  
Starting and stopping Oracle WebLogic Server or Oracle Analytics is optional when configuring Oracle Analytics.
- [Confirm installation](#)  
Follow these steps to confirm the installation.
- [Start and stop Oracle WebLogic Server or Oracle Analytics](#)  
Because the start and stop scripts run in the foreground, you do not need to use **nohup** or **&**. The start and stop scripts must run to completion before you can continue.

### About starting and stopping Oracle WebLogic Server or Oracle Analytics

Starting and stopping Oracle WebLogic Server or Oracle Analytics is optional when configuring Oracle Analytics.

Based on your system configuration, some paths and locations from your environment may differ from the values in the examples.

### Confirm installation

Follow these steps to confirm the installation.

1. Using an Oracle Empirica Signal username that has a BI or superuser privilege, log into Oracle Analytics using the following URL:

```
http://<OAS server name>:<OA_port>/analytics
```

For example:

```
http://<servername>:9502/analytics
```

The Oracle Analytics screen appears.

2. Click the **Catalog** link at the top.
3. In the Folders section on the left, expand **Shared Folders**.
4. Click the **Topics** folder.
5. Under Analysis Reports, click the **Expand** link, then open each report, examine it, and click **OK**.

 **Note:**

Depending on the topic workflow configuration, some reports may not contain data. For a report with no data, the following message is displayed: **No Results - the specified criteria didn't result in any data.**

6. Repeat Step 5 for the My Dashboard folder.
7. Click the **Home** link at the top of the screen.  
The Topics reports should appear in the Recent section.
8. In the browser address bar, type:  
`http://<OAS server name>:<OA_port>/xmlpserver`  
For example:  
`http://<servername>:9502/xmlpserver`  
The Oracle Analytics screen appears.
9. Verify that on the left the following three links appear under **Create...:**  
Report  
Report Job  
Data Model
10. In the address bar, type:  
`http://<OAS server name>:<OA_port>/dv`  
For example:  
`http://<servername>:9502/dv`  
A page appears displaying a search box with text **Search Everything**. Below it, there are 5 tabs: Projects and Reports, Data, Recent Data Sets, Favorite Projects, and Machine Learning.
11. Log out of Oracle Analytics.

## Start and stop Oracle WebLogic Server or Oracle Analytics

Because the start and stop scripts run in the foreground, you do not need to use **nohup** or **&**. The start and stop scripts must run to completion before you can continue.

 **Note:**

Starting and then stopping Oracle WebLogic Server/Oracle Analytics may take a few minutes.

1. Log into the Linux server hosting Oracle Analytics using the non-privileged user name.

2. **To start Oracle Analytics:** <MIDDLEWARE\_HOME>/user\_projects/domains/bi/bitools/bin/start.sh
3. **To stop Oracle Analytics:** <MIDDLEWARE\_HOME>/user\_projects/domains/bi/bitools/bin/stop.sh

# 7

## Upgrade OBIEE/OAS for Oracle Empirica Topics 9.2.2

- [Update an existing Oracle Business Intelligence account to Oracle Analytics](#)  
If you are upgrading from an existing Oracle Business Intelligence account for Oracle Empirica Topics, you need to update the account.

### Update an existing Oracle Business Intelligence account to Oracle Analytics

If you are upgrading from an existing Oracle Business Intelligence account for Oracle Empirica Topics, you need to update the account.

- [Back up existing OBIEE topics reports](#)  
If you are upgrading from an existing Oracle Business Intelligence account prior to Oracle Empirica Topics 9.2 and have existing custom reports to preserve, back up your reports using the following procedure.
- [Update the Oracle Analytics database account for Oracle Empirica Topics](#)  
If you are upgrading from an existing Oracle Business Intelligence account for Oracle Empirica Topics prior to 9.2, you need to update the account on the Oracle Empirica Signal server.
- [Update the Oracle Analytics Server](#)  
Depending on your existing version you need to either install or update Oracle Analytics Server.

### Back up existing OBIEE topics reports

If you are upgrading from an existing Oracle Business Intelligence account prior to Oracle Empirica Topics 9.2 and have existing custom reports to preserve, back up your reports using the following procedure.



#### Note:

The following steps are only necessary if you are upgrading from an existing Oracle Business Intelligence instance and have custom reports that you need to preserve.

Because the Oracle Analytics database schema, data model, and catalog of Oracle Empirica Signal 9.2 are incompatible with those of earlier versions, the existing custom reports must be recreated in Oracle Analytics Server. To do this, first back up the existing reports from Oracle Business Intelligence Enterprise Edition (OBIEE) that is integrated with the current version of Oracle Empirica Signal or a version before 9.2, as follows:

1. Using an Oracle Empirica Signal username that has a BI or superuser privilege, log into Oracle Business Intelligence using the following URL:

```
http://<OBIEEserver name>:<OBIEE_port>/analytics
For example: http://<servername>:9502/analytics
```

The OBIEE screen appears.

2. Click the **Catalog** link at the top.
3. In the Folders section on the left, expand **Shared Folders**.
4. Click the **Topics** folder.
5. In the bottom left Tasks section, click **Rename**.
6. Type `Topics_legacy` in the Name field and click **OK**.
7. In the bottom left Tasks panel, click **Archive**.
8. Leave the options unchecked in the window then click **OK**.

The file named `Topics_legacy.catalog` is downloaded.

## Update the Oracle Analytics database account for Oracle Empirica Topics

If you are upgrading from an existing Oracle Business Intelligence account for Oracle Empirica Topics prior to 9.2, you need to update the account on the Oracle Empirica Signal server.

1. On the Oracle Empirica Signal application server, unzip the `Database.zip` file.
2. Using a text editor, open the `update_obiee_9_1_to_9_2.sql` file and modify the following properties as needed for your environment:

```
DEFINE TOPIC_WORKFLOW = '<topic workflow account>';
DEFINE SIGNAL = '<Signal account>';
DEFINE OBIEE_USER = 'OBIEE_&TOPIC_WORKFLOW._&TWC_ID.'
```

3. Open the `populate_obiee_topics.sql` file in a text editor and modify the following properties as needed for your environment:

```
DEFINE TOPIC_WORKFLOW = '<topic workflow account>';
DEFINE SIGNAL = '<Signal account>'
```

4. In a command prompt window, execute the `update_obiee_9_1_to_9_2.sql` script as the Oracle SYS user:

```
$ sqlplus sys@<database_server_TNS name> as sysdba
@update_obiee_9_1_to_9_2.sql
```

### Note:

The database may reside on a different server than the Oracle Empirica Signal server.

A password prompt appears.

5. Enter the password for the Oracle SYS account.
6. Enter the target topic workflow configuration ID.
7. Enter the target topic workflow configuration ID again.
8. After the script runs, verify there are no errors in `update_obiee_9_1_to_9_2.log` and `populate_obiee_topics.log`.

## Update the Oracle Analytics Server

Depending on your existing version you need to either install or update Oracle Analytics Server.

If you are upgrading from a version prior to Oracle Empirica Topics 9.2.2, you need to install Oracle Analytics Server and execute the steps in [Configure Oracle Analytics authentication](#).

If you are upgrading from Oracle Empirica Topics 9.2.2, you need to update the files for authentication on the OAS server as follows:

1. Unzip the `Signal-9_2_2_0_xxx_OBIEE.zip` into a temporary working folder.  
`<tempFolder>`
2. Remove the following files from `<WebLogic_Home>/wlserver/server/lib/mbeantypes`:  
`Empirica-*.jar`  
`EmpiricaCore-*.jar`  
`empiricaprovider.jar`  
`log4j*.jar`  
`secure-coding-*.jar`  
`Signal-*.jar`  
`Topics-*.jar`
3. Copy the jars in `<tempFolder>/OBIEE/mbeans` except `esapi-2.4.x.x.jar` to `<WebLogic_Home>/wlserver/server/lib/mbeantypes`.
4. Restart the BI server:
  - a. Stop the BI server:  

```
$ <WebLogic_Home>/user_projects/domains/bi/bitools/bin/stop.sh
```
  - b. Start the BI server:  

```
$ <WebLogic_Home>/user_projects/domains/bi/bitools/bin/start.sh
```

# 8

## Restore legacy OBIEE custom reports for use with OAS

The following procedures are only required if you had custom reports in OBIEE and performed a backup of the report catalog as described in [Back up existing OBIEE topics reports](#).

- [Upload the OBIEE report catalog](#)  
If you are upgrading from an existing Oracle Business Intelligence account and backed up your existing custom reports, upload the report catalog archive.
- [Recreate custom reports](#)  
Recreate the custom reports from the legacy OBIEE catalog so that you can run them in Oracle Analytics Server.

### Upload the OBIEE report catalog

If you are upgrading from an existing Oracle Business Intelligence account and backed up your existing custom reports, upload the report catalog archive.



#### Note:

The following steps are only needed if you had custom reports in OBIEE and performed a backup of the report catalog as described in [Back up existing OBIEE topics reports](#).

1. Locate the backup OBIEE catalog file created in [Back up existing OBIEE topics reports](#), for example: `Topics_legacy.catalog`.
2. Using an Oracle Empirica Signal username that has a BI or superuser privilege, log into Oracle Analytics Server using the following URL:  

```
http://<OASserver name>:<OA_port>/analytics
```

  
For example: `http://<servername>:9502/analytics`  
The Oracle Analytics screen appears.
3. Click the **Catalog** link at the top.
4. In the Folders section on the left, expand **SharedFolders**.
5. In the Tasks section on the bottom left, click **Unarchive**.
6. In the Unarchive window, click **Browse**.
7. Locate the `Topics_legacy.catalog` file and click **OK**.

A new folder named `Topics_legacy` appears under **SharedFolders**.

The list of old reports appears under `Topics_legacy/Analysis Reports`. The reports cannot be run in OAS until you recreate them as described at [Recreate custom reports](#).



To view the definition of a report, click **Edit** under a report name and then click the **Criteria** tab.

## Recreate custom reports

Recreate the custom reports from the legacy OBIEE catalog so that you can run them in Oracle Analytics Server.

Once you have [uploaded the OBIEE catalog](#), you have two options for recreating your reports:

- You can rebuild the custom reports from scratch based on the legacy report definitions, which you can access in the Topics/Analysis Reports folder.
- You can use the procedure below to take advantage of the XML definitions.

To recreate custom reports using the XML definitions:

1. Expand **Topics\_legacy** and click **Analysis Reports**.
2. In the right panel, select a custom report that you want to recreate and click **Edit**. If an error appears, ignore it.
3. Click the **Advanced** tab on the top.
4. Copy the XML from the Analysis XML field as follows:
  - a. Click in the **Analysis XML** field.
  - b. Press Ctrl+A to select the entire XML.
  - c. Press Ctrl+C to copy it.
5. Paste the clipboard text into an XML editor and save it as a file.
6. Locate the following item names in the XML and modify as described below:
  - Replace `Subject Area` name with `Topic area`.
  - Replace the old table name with the new table name if they are different.
  - The column names between the old and new data models are mostly comparable. If they are different, update the column name accordingly.

Below is an example of table and columns that should be updated.

**OBIEE report definition:**

```
<sawx:expr  
xsi:type="sawx:sqlExpression">"ActionStatesTimeline_Fact"."Action  
Id"</sawx:expr>
```

**OAS report definition:**

```
<sawx:expr xsi:type="sawx:sqlExpression">"Action State  
Timeline"."Action ID"</sawx:expr>
```

7. Press Ctrl+A to select the entire modified XML, then press Ctrl+C to copy it.
8. Click the **Catalog** link on the top.
9. In the Folders section on the left, expand **Shared Folders**.
10. Click the **Topics** folder and then **Analysis Reports**.
11. Click the **Create** link on the top and then select **Analysis**.
12. Click **Topic area** in the Select Subject Area window.

13. Click the **Advanced** tab on the top.
14. In the Analysis XML field, press Ctrl+A to select the entire XML, then press Ctrl+V to paste the XML you copied in step 7 above.
15. Click **Apply XML**.  
If an error appears:
  - a. Locate the item in question and update the XML accordingly.
  - b. Click **Apply XML** again.  
It might require several iterations of steps a and b above to correct the XML.
16. Once the XML is successfully applied, click the **Results** link on the top. Verify the results are correct.
17. Click the **Save** icon in the right upper corner.

# 9

## Appendix: Configure OAS to work with GVP Module IX data model

This section is for those with the generic data model (Topics.rpd) installed who wish to switch to the GVP Module IX data model. The necessary script for this feature is available only with Oracle Empirica Signal 9.2.0.2 or later. For versions prior to 9.2.0.2, please contact Oracle Support.

- [Select the target topic workflow configuration](#)  
Set the target topic workflow configuration to a GVP Module IX configuration.
- [Upload GVP Module IX data model and catalog](#)  
To upload the GVP Module IX data model, set the script parameters and execute the update script.

### Select the target topic workflow configuration

Set the target topic workflow configuration to a GVP Module IX configuration.

Follow the steps at [Create a new Oracle Analytics account on the Oracle Empirica Signal database server](#) in Section 3 to set the target topic workflow configuration to a GVP Module IX configuration.

### Upload GVP Module IX data model and catalog

To upload the GVP Module IX data model, set the script parameters and execute the update script.

- [Set script parameters](#)  
Prepare to execute the update script by setting appropriate values for script parameters.
- [Execute the update script](#)  
Run the script to configure OAS to work with GVP Module IX.

### Set script parameters

Prepare to execute the update script by setting appropriate values for script parameters.

1. Navigate to the `<TOPICS_OBIEE_INSTALL_DIR>` directory.
2. Locate the `updateRpd.sh` script and open the file for editing.
3. Verify the values for the following parameters in the script. If necessary, make changes to match the values below and save the file.

Name	Value
DOMAIN_HOME	Full path to the Oracle Fusion Middleware Home, similar to <code>.../u01/app/oracle/Middleware/Oracle_Home/user_projects/bi</code>
ADMIN_USER	Oracle WebLogic Server administrator user name
DB_USER	Oracle Database user for the Oracle Empirica Signal schema
RPD_CONN_USER	User name for the RPD connection database user
RPD_CONN_DATASOURCE	TNS-style connection string for the RPD, similar to: (DESCRIPTION= (ADDRESS= (PROTOCOL=TCP) (HOST=<DB host URL>) (PORT=<DB port>)) (CONNECT_DATA= (SERVICE_NAME=<DBservicename>)))
DOMAIN_NAME	Oracle Analytics domain name, such as <code>bi</code>
BI_PORT	Oracle Analytics admin port, such as <code>9502</code>

## Execute the update script

Run the script to configure OAS to work with GVP Module IX.



### Note:

Before proceeding, gather the following information:

- Oracle Database password for the Oracle Empirica Signal schema.
- Password for the `Topics_gvp.rpd` file.
- Password for the RPD connection database user.

1. Log into the Linux server hosting Oracle Analytics using the non-privileged account.
2. Navigate to the `<TOPICS_OBIEE_INSTALL_DIR>/config` working directory:  
`cd <TOPICS_OBIEE_INSTALL_DIR>/config`
3. Issue the following command:  
`chmod +x updateRpd.sh editListConn.py`
4. Execute the following script:  
`./updateRpd.sh`
5. Enter the passwords (see note above) when prompted.  
After the update completes, the following message appears:

OAS update complete

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# Change log

Date	Revised part number	Description
August 2023	F82931-01	For 9.2.2.1 release: <ul style="list-style-type: none"><li>• Rebranded product and book title.</li><li>• Updated the Cloud Support link in the Preface.</li><li>• Updated the Change log.</li></ul>
April 2023	F78226-01	Updated for 9.2.2 release.
August 2022	F34880-05	Updated for OAS 6.4.
July 2022	F34880-04	Updated for 9.2.1 release.
March 2022	F34880-03	Added appendix with instructions for configuring OAS to work with GVP Module IX data model.
February 2022	F34880-02	Added instructions for backup and restoration of a legacy 9.1 OBIEE catalog into a 9.2 OAS server.
December 2021	F34880-01	Original version.