Oracle Life Sciences Empirica

Oracle Empirica Signal 9.2.2 to 9.2.2.1 Upgrade Instructions

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Oracle Life Sciences Empirica Oracle Empirica Signal 9.2.2 to 9.2.2.1 Upgrade Instructions, Release 9.2.2.1

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Contents

Preface

1   Apply the 9.2.2.1 patch to Oracle Empirica

2   Upgrade Oracle Analytics Server (optional)

Preface

This preface contains the following sections:

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

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1
Apply the 9.2.2.1 patch to Oracle Empirica

- **Before you start**
  You can apply the Oracle Empirica Signal 9.2.2.1 patch to an instance of Oracle Empirica Signal 9.2.2.

- **Prepare to upgrade**
  To upgrade, you must confirm that you have the appropriate credentials.

- **Unpack the Oracle Empirica Signal 9.2.2.1 files**
  On the application server running Oracle Empirica Signal 9.2.2, start a command shell.

- **Deploy Oracle Empirica Signal**
  After you have unpacked the Oracle Empirica Signal 9.2.2.1 patch files on the application server running Oracle Empirica Signal, you must re-deploy the Oracle Empirica Signal application in the Oracle WebLogic Server console.

- **Update Oracle Empirica Signal database**
  Perform the following steps to update the Oracle Empirica Signal database.

- **Confirm the upgrade**
  Confirm that the upgrade succeeded and notify users.

- **Update Oracle Analytics Server**
  Complete the following steps if an Oracle Analytics Server (OAS) was set up for Empirica Topics reporting.

- **Restart Oracle Analytics Server**
  After you update the application server running Oracle Analytics Server (OAS), you must restart the BI server in the WebLogic Server console.

Before you start

You can apply the Oracle Empirica Signal 9.2.2.1 patch to an instance of Oracle Empirica Signal 9.2.2.

For information about installing Oracle Empirica Signal, see the Oracle Empirica Signal 9.2.2 *Installation and Upgrade Instructions*.

Prepare to upgrade

To upgrade, you must confirm that you have the appropriate credentials.

For this procedure, you must have credentials for the following accounts:

- An Oracle Empirica Signal administrator.

- A non-privileged user who can log in to the application server.

- An Oracle WebLogic Server administrator.

1. Using the administrator account, log in to the Oracle Empirica Signal application.

2. To confirm that the version number of Oracle Empirica Signal, click **Settings**, then **About**.

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3. Click **Back**, and then **View Currently Logged in Users**.

   If sessions in addition to your own are running, instruct the users to finish their sessions.

4. Click **Exit**.

Unpack the Oracle Empirica Signal 9.2.2.1 files

On the application server running Oracle Empirica Signal 9.2.2, start a command shell.

1. As the non-privileged user, on the application server running Oracle Empirica Signal 9.2.2, start a command shell (for example, Putty).

2. Create a temporary directory `<Signal9221>` (for example, `/u01/stage/Signal9221`), and unpack `ESI_9.2.2.1.zip` into it.

3. In the temporary directory, open the file `update_Signal.sh` and verify that directory `/u01/stage/Signal_Install` (hereafter referred to as `<INSTALL_DIR>`), specified in the file, exists.

   Change the script to point to the correct location if the actual `<INSTALL_DIR>` location is different.

4. From the temporary directory, give the shell script execute permissions and run it:

   ```
   $ chmod +x update_Signal.sh
   ```

   ```
   $ ./update_Signal.sh
   ```
   Verify that the script prints *Completed* and that there are no errors.

5. Verify that there is a backup copy of `<INSTALL_DIR>` (for example: `Signal_Install.9_2_2_0_124_bkp`).

Deploy Oracle Empirica Signal

After you have unpacked the Oracle Empirica Signal 9.2.2.1 patch files on the application server running Oracle Empirica Signal, you must re-deploy the Oracle Empirica Signal application in the Oracle WebLogic Server console.

1. Log in to the Oracle WebLogic Server administration console.

2. On the left, click **Lock & Edit**.

3. From the panel on the left, select the **Deployments** link.

4. In the table on the right, select the **Signal** checkbox.

5. Click **Update**, then **Next**, then **Finish**.

6. On the left, click **Activate Changes**.

7. On the left panel, expand **Environment** and select **Servers**.

8. On the right, click the **Control** tab, then select the **SignalServer** checkbox.

9. Click **Shutdown/Force Shutdown now**.

10. Click **Yes**.

11. On the left, above the table, click the **Refresh** icon.

    Wait until SignalServer state is SHUTDOWN.

12. Select the **SignalServer** checkbox.

13. Select the **Start** button.

14. Click **Yes**.

15. Click the **Refresh** icon and wait until the state is RUNNING.

16. If the Topics Service is enabled, repeat steps 2-14 for **TopicsService** and **TopicsServer**.

17. Click the **Refresh** icon.

    Wait until the statuses of **SignalServer** and **TopicsServer** (if enabled) are RUNNING.

Update Oracle Empirica Signal database

Perform the following steps to update the Oracle Empirica Signal database.

1. Locate the scripts in the `DATABASE_DIR` directory specified in `update_Signal.sh`, for example, `/u01/stage/Database`.

2. As the non-privileged user, on the application server running Oracle Empirica Signal 9.x, start a command shell (for example, Putty).

3. Connect to the database using the Empirica Signal master account (for example, SIGNAL or WEBVDME) via SQL*Plus.

4. Execute the `update_9_2_2_to_9_2_2_1.sql` script.

   `$ sqlplus WEBVDME@<TNS name> @update_9_2_2_to_9_2_2_1.sql`

5. Verify that the script completed without any errors.

Confirm the upgrade

Confirm that the upgrade succeeded and notify users.

1. Using the administrator account, log in to Oracle Empirica Signal.

2. From the left navigation pane, select **Settings**, then **About**.

3. Verify that the Oracle Empirica Signal version is `9.2.2.1.xxx`, where `xxx` is the build number.

4. Click **Exit**.

5. Notify users that the Oracle Empirica Signal instance is available.

Update Oracle Analytics Server

Complete the following steps if an Oracle Analytics Server (OAS) was set up for Empirica Topics reporting.

1. As the non-privileged user, on the application server running OAS or Oracle Business intelligence Enterprise Edition (OBIEE), start a command shell (for example, Putty).

2. Create a temporary directory `<OBIEE_9221>` (for example, `/u01/stage/OBIEE_9221`), and unpack `ESI_9.2.2.1.zip` into it.

3. In the temporary directory, open the file `update_obiee.sh`.

   a. Verify that the `WEBLOGIC_HOME` directory, specified in the file, exists.

If necessary, update the path in the script to point to the correct location.

b. Note the `BACKUP_DIR` directory specified in the file.

This backup directory will be created as it appears in the script. If desired, you can update the path in the script to point to an existing location on your server.

c. Note the `INSTALL_BASE_DIR` directory specified in the file.

This is the directory that holds the unpacked files from `Signal-9_2_2_0_124-OBIEE.zip` for the original Oracle Empirica Topics Reporting installation. If the directory does not exist anymore, the script will create it.

4. From the temporary directory, give the shell script execute permissions and run it:

```
$ chmod +x update_OAS.sh
```

```
$ ./update_OAS.sh
```

Verify that the script prints *Completed* and that there are no errors.

5. Verify the `<WEBLOGIC_HOME>/wlserver/server/lib/mbeantypes` directory includes the following file, where XXX is the build number:

```
Signal-9_2_2_1_xxx.jar
```

Restart Oracle Analytics Server

After you update the application server running Oracle Analytics Server (OAS), you must restart the BI server in the WebLogic Server console.

1. Log in to the Oracle WebLogic Server administration console.

2. On the left panel, expand **Environment** and select **Servers**.

3. On the right, click the **Control** tab, then select the **bi_server** checkbox.

4. Click **Shutdown/Force Shutdown now**.

5. Click **Yes**.

6. On the left, above the table, click the **Refresh** icon.

Wait until bi_server state is SHUTDOWN.

7. Select the **bi_server** checkbox.

8. Select the **Start** button.

9. Click **Yes**.

10. Click the **Refresh** icon and wait until the state is RUNNING.

2
Upgrade Oracle Analytics Server (optional)

- Integrate Oracle Empirica Signal with Oracle Analytics Server 2023
  Oracle Empirica Signal now supports integration with Oracle Analytics Server 2023 (OAS 2023). However, it is not necessary to upgrade to OAS 2023.

Integrate Oracle Empirica Signal with Oracle Analytics Server 2023

Oracle Empirica Signal now supports integration with Oracle Analytics Server 2023 (OAS 2023). However, it is not necessary to upgrade to OAS 2023.

If you choose to upgrade, follow these steps:

1. As the non-privileged user, on the application server running OAS, start a command shell (for example, Putty).

2. Stop the **BI** servers. Go to the `bitools/bin` directory under the domain home directory (for example, `/u01/app/oracle/product/fmw/12.2.1.4/user_projects/domains/bi`) and execute `stop.sh`. Wait until the script completes.

   ```
   $ cd /u01/app/oracle/product/fmw/12.2.1.4/user_projects/
   domains/bi/bitools/bin
   ```

   ```
   $ ./stop.sh
   ```

3. Back up the OAS home directory (for example, `/u01/app/oracle/product/fmw`).

   ```
   $ mv /u01/app/oracle/product/fmw /u01/app/oracle/product/fmw.bkp
   ```

4. Follow the instructions in the Oracle Analytics Installing and Configuring Oracle Analytics Server guide to Install OAS 2023 using the same path for Oracle home (for example: `/u01/app/oracle/product/fmw/12.2.1.4`) and create a **bi** domain.

5. Configure OAS using the instructions in Configure Oracle Analytics authentication in the Topics Reporting and Oracle Analytics Configuration Guide.