

Oracle Life Sciences Empirica

2025.4.0x to 2025.4.03 Upgrade Instructions



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Prepare for the patch

Topics:

- [Before you start](#)
You can apply the Oracle Empirica Signal 2025.4.03 patch to an instance of Oracle Empirica Signal 2025.4.01 or Oracle Empirica Signal 2025.4.02.
- [Prepare to upgrade](#)
To upgrade, you must confirm that you have the appropriate credentials.
- [Unpack the Oracle Empirica Signal 2025.4.03 files](#)
On the application server running Oracle Empirica Signal 2025.4.01 or 2025.4.02, start a command shell.

Before you start

You can apply the Oracle Empirica Signal 2025.4.03 patch to an instance of Oracle Empirica Signal 2025.4.01 or Oracle Empirica Signal 2025.4.02.

For information about installing Oracle Empirica Signal 2025.4.01 or Oracle Empirica Signal 2025.4.02, see the Oracle Empirica Signal 2025.4.02 *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 account.
 - An account for a non-privileged user who can log in to the application server.
 - An Oracle WebLogic Server administrator account.
1. Using the administrator account, log in to the Oracle Empirica Signal application.
 2. Select **Settings** then **About**.
 3. Confirm that the version number of Oracle Empirica Signal is 2025.4.01.107 or 2025.4.02.108.
 4. Select **Back** to return to the **Settings** panel and then select **View Currently Logged in Users**.
If sessions in addition to your own are running, instruct the users to finish their sessions.
 5. Select **Exit**.

Unpack the Oracle Empirica Signal 2025.4.03 files

On the application server running Oracle Empirica Signal 2025.4.01 or 2025.4.02, start a command shell.

1. As the non-privileged user, on the application server running Oracle Empirica Signal2025.4.01 or or 2025.4.02, start a command shell using, for example, Putty.
2. Create a temporary directory named <Signal2025403> (for example, /u01/stage/Signal2025403) and unpack ESI_2025.4.03.zip into it.
3. In the temporary directory, open the file update_Signal.sh and verify that the directory /u01/stage/Signal_Install, specified in the file, exists.
4. From the temporary directory, give the shell script execute permissions and run it:
\$ chmod +x update_Signal.sh.
\$./update_Signal.sh.
5. Verify that the script prints *Completed* and that there are no errors.
6. Verify that there is a backup copy of /u01/stage/Signal_Install; for example, Signal_Install.2025_4_01_bkp or Signal_Install.2025_4_02_bkp..
7. Verify the /u01/stage/Signal_Install directory includes the following files, where xxx is the build number: Signal-2025_4_02_0_xxx.jar and EmpiricaCore-2025_4_03_0_xxx.jar.

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Apply the 2025.4.03 patch to Oracle Empirica Signal

- [Deploy Oracle Empirica Signal](#)
After you have unpacked the Oracle Empirica Signal 2025.4.03 files on the application server running Oracle Empirica Signal, you must deploy the Oracle Empirica Signal application in the Oracle WebLogic Server console.
- [Confirm the Empirica Signal 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 Analytics reporting and you are upgrading from Empirica Signal 2025.4.01.
- [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 administration console.
- [Upgrade the Database Schema](#)
If you use Signal Review reporting and you are upgrading from Empirica Signal 2025.4.01, perform the following steps to update the database schema.
- [Upgrade the Oracle Analytics Configuration](#)
If you use Signal Review reporting, you must also update the Oracle Analytics catalog and the RPD file using the instructions below.
- [Confirm the Oracle Analytics Server upgrade](#)
Confirm that the upgrade succeeded and notify users.

Deploy Oracle Empirica Signal

After you have unpacked the Oracle Empirica Signal 2025.4.03 files on the application server running Oracle Empirica Signal, you must deploy the Oracle Empirica Signal application in the Oracle WebLogic Server console.

1. Log in to the Oracle WebLogic Server Enterprise Management console.
2. On the left, select the **Lock** icon.
3. From the WebLogic Domain drop-down list, select the **Deployments** link.
4. Select the **Signal** row.
5. Select **Deployments**, and then select **Redeploy**.
6. Select **Next**, and then **Finish**.
7. On the left, select **Activate Changes**.
8. From the WebLogic Domain drop-down list, select **Environment**, and then select **Servers**.
9. From the Servers table, select the **SignalServer** row.
10. Select **Control**, and then select **Forcibly Shutdown servers**.
11. On the right above the table, select the **Refresh** icon.

**Tip**

Wait until the SignalServer status is **SHUTDOWN**.

12. Select the **SignalServer** row.
13. Select the **Start** button.
14. If the Topics Service is enabled, repeat steps 2 - 15 for TopicsService, Topics ServiceR, and TopicsServer.
15. Select the **Refresh** icon.

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

Confirm the Empirica Signal 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**, and then **About**.
3. Verify that the Oracle Empirica Signal version is 2025.4.03.xxx, where xxx is the build number.
4. Select **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 Analytics reporting and you are upgrading from Empirica Signal 2025.4.01.

1. As the non-privileged user, on the application server running OAS, start a command shell (for example, Putty).
2. Create a temporary directory named <OAS_2025403> (for example, /u01/stage/OAS_2025403), and unpack ESI_2025.4.03.zip into it.
3. In the temporary directory, open the file update_OAS.sh.
 - a. Verify that the WEBLOGIC_HOME directory exists as specified in the file.
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.
4. From the temporary directory, give the shell script execute permissions and run it:

```
$ cd ESI_2025.4.02.  
$ chmod +x update_OAS.sh.  
$ ./update_OAS.sh.
```
5. Verify that the script prints *Completed* and that there are no errors.
6. Verify the <WEBLOGIC_HOME>/wlserver/server/lib/mbeantypes directory includes the following file:

Signal-2025_4_02_0_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 administration 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, select the **Control** tab, and then select the **bi_server** checkbox.
4. Select **Shutdown/Force Shutdown now**.
5. Select **Yes**.
6. On the left, above the table, select the **Refresh** icon.
7. Wait until **bi_server** state is SHUTDOWN, and then select the **bi_server** checkbox.
8. Select the **Start** button.
9. Select **Yes**.
10. Wait until the state is **RUNNING**, and then select the **Refresh** icon.

Upgrade the Database Schema

If you use Signal Review reporting and you are upgrading from Empirica Signal 2025.4.01, perform the following steps to update the database schema.

1. In a command shell, navigate to the database directory (for example, /u01/stage/Database).
2. Open `ESI_2025.4.02/update_obiee_2025.4.01_to_2025.4.02.sql` and verify the Signal account value assigned to the variable SIGNAL. Update it if needed.
3. Connect to SQL*Plus as the Signal Review reporting user (for example, OBIIE_SIGNAL_MGT) and execute the script

```
$ sqlplus OBIIE_SIGNAL_MGT@<connection_str>
@update_obiee_2025.4.01_to_2025.4.02.sql
```
4. Enter the password when prompted.
5. Confirm that the script completed without errors.

Upgrade the Oracle Analytics Configuration

If you use Signal Review reporting, you must also update the Oracle Analytics catalog and the RPD file using the instructions below.

Note

If you have customized the RPD file, please contact Oracle Support before proceeding.

1. Locate the original installation directory `<install_dir>` (for example, /u01/stage/OBIEE), which contains subdirectories such as config and reporting. Verify that the

file `initConfig.sh` exists in `<install_dir>/config` and contains the variable values from the original installation.

2. Open `<install_dir>/config/updateObiee.sh` and verify the variable `UPDATE_RPD_ONLY` is set to "TRUE".
3. In a command shell, navigate to the original installation/config directory and run `updateObiee.sh`.

```
$ cd <install_dir>/config
```

```
$ ./updateObiee.sh
```

4. Confirm that the script completed without errors.

Confirm the Oracle Analytics Server upgrade

Confirm that the upgrade succeeded and notify users.

1. Using the administrator account, log in to Oracle Empirica Signal.
2. Select the **Analytics** icon in the navigation pane to go to the Oracle Analytics page.
3. Select the **Catalog** tab.
4. If you use Signal Review reporting, follow steps 5–7; otherwise, select any topics and verify that they run successfully.
5. In the left pane, navigate to **Shared Folders** ▾ **Signal Review** ▾ **Signal Dashboard** ▾ **Shared Analysis Criteria**.
6. Select a signal management configuration and select **Apply**.
7. In the dashboard, select the **Alert Status** tab to run the report.
8. Verify that the report runs successfully and that the Product Assignee column is displayed.
9. Notify users that the Oracle Empirica Signal instance is available.