

Oracle Health Sciences Empirica Signal

Oracle Empirica Signal 9.1 to 9.1.0.7 Upgrade Instructions



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Preface

This preface contains the following sections:

- [Documentation accessibility](#)
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Apply the 9.1.0.7 patch to Oracle Empirica Signal

- [Prepare to upgrade](#)
To upgrade, you must confirm the version number of your instance of Oracle Empirica Signal and ensure all users are logged out.
- [Unpack the Oracle Empirica Signal patch files](#)
On the application server running Oracle Empirica Signal 9.1.0.x, create a directory to unpack and run the upgrade script.
- [Update listener.properties file](#)
Perform the following steps only if you upgraded from a version prior to Signal 9.1.0.6. Confirm the RGPS Minimum Lambda parameters in the listener.properties file.
- [Deploy Oracle Empirica Signal](#)
After you have unpacked the Oracle Empirica Signal upgrade files on the application server running Oracle Empirica Signal, you must deploy the Signal application in the Oracle WebLogic Server console.
- [Update Oracle Analytics Server/Oracle Business Intelligence Enterprise Edition](#)
Complete the following steps if an Oracle Analytics Server (OAS) or Oracle Business Intelligence Enterprise Edition (OBIEE) was set up for Empirica Topics reporting.
- [Restart OAS/OBIEE Server](#)
After you update the application server running OAS/OBIEE, you must restart the BI server in the WebLogic Server console.
- [Confirm the upgrade](#)
Confirm that the upgrade succeeded and notify users.

Prepare to upgrade

To upgrade, you must confirm the version number of your instance of Oracle Empirica Signal and ensure all users are logged out.

You can apply the Oracle Empirica Signal 9.1.0.7 patch to an instance of Oracle Empirica Signal 9.1.0.0.360, 9.1.0.1.361, 9.1.0.2.363, 9.1.0.3.364, 9.1.0.4.366, 9.1.0.5.367, or 9.1.0.6.371.

For information about installing Oracle Empirica Signal, see the Oracle Empirica Signal 9.1 *Installation and Upgrade Instructions*.

To complete the upgrade 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**.

Confirm the version number is one of the following:

- 9.1.0.0.360
 - 9.1.0.1.361
 - 9.1.0.2.363
 - 9.1.0.3.364
 - 9.1.0.4.366
 - 9.1.0.5.367
 - 9.1.0.6.371
3. Click **Back** to return to the Settings panel.
 4. Click **View Currently Logged in Users**.
If sessions in addition to your own are running, instruct the users to finish their sessions.
 5. Click **Exit**.

Unpack the Oracle Empirica Signal patch files

On the application server running Oracle Empirica Signal 9.1.0.x, create a directory to unpack and run the upgrade script.

1. As the non-privileged user, on the application server running Oracle Empirica Signal 9.1, start a command shell (for example, Putty).
2. Create a temporary directory <Signal9107> (for example, /u01/stage/Signal9107), and unpack ESI_9.1.0.7.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
$ chmod +x 9.1.0.5/update_Signal_to_9105.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_1_0_0_360_bkp
 - Signal_Install.9_1_0_1_361_bkp
 - Signal_Install.9_1_0_2_363_bkp
 - Signal_Install.9_1_0_3_364_bkp
 - Signal_Install.9_1_0_4_366_bkp
 - Signal_Install.9_1_0_5_367_bkp
 - Signal_Install.9_1_0_6_371_bkp

6. Verify the <INSTALL_DIR>/Signal/Web-INF/lib directory includes the following file, where XXX is the build number:
`Signal-9_1_0_7_XXX.jar`
7. If your site has configured Oracle Business Intelligence for Oracle Empirica Topics and you are upgrading from a version prior to Oracle Empirica Signal 9.1.0.2, you must update the OBIEE report database account as described below.
 - Complete the procedure [Create the Oracle Business Intelligence views for Oracle Empirica Topics](#) in the *Reporting and Oracle Business Intelligence Configuration Guide* with the following exception:
In Step 1, substitute the file `ESI_9.1.0.7.zip`, included in this patch, for the `Database.zip` file.

Update listener.properties file

Perform the following steps only if you upgraded from a version prior to Signal 9.1.0.6. Confirm the RGPS Minimum Lambda parameters in the listener.properties file.

1. Change working directory to <INSTALL_DIR>/Signal/Web-INF/classes.
2. Open listener.properties file in a text editor.
3. Locate the section for additional RGPS parameters and confirm the following settings:

```
RGPS\ Maximum\ Lambda=0.3 RGPS\ Minimum\ Lambda=1.0
```

If necessary, modify the RGPS Minimum Lambda from 1.3 to 1.0

Deploy Oracle Empirica Signal

After you have unpacked the Oracle Empirica Signal upgrade files on the application server running Oracle Empirica Signal, you must deploy the 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. Click the **SignalServer** link then select the **Server Start** tab.
9. In the Arguments field, update the memory parameters to the following:
`-Xms2048m -Xmx8192m -XX:MaxPermSize=1024m`
10. Click **Save**.
11. On the right, click the **Control** tab, then select the **SignalServer** checkbox.
12. Click **Shutdown/Force Shutdown now**.
13. Click **Yes**.

14. On the left, above the table, click the **Refresh** icon.
Wait until SignalServer status is SHUTDOWN.
15. Select the **SignalServer** checkbox.
16. Select the **Start** button.
17. Click **Yes**.
18. If the Topics Service is enabled, repeat steps 2 - 7 and 11 - 17 above for **TopicsService** and **TopicsServer**.
19. Click the **Refresh** icon.
Wait until the statuses of SignalServer, TopicsServer (if enabled), and UserProvisioningServer (if enabled) are RUNNING.

Update Oracle Analytics Server/Oracle Business Intelligence Enterprise Edition

Complete the following steps if an Oracle Analytics Server (OAS) or Oracle Business Intelligence Enterprise Edition (OBIEE) was set up for Empirica Topics reporting.

1. As the non-privileged user, on the application server running OAS or OBIEE, start a command shell (for example, Putty).
2. Create a temporary directory <OAS_9107> (for example, /u01/stage/OAS_9107), and unpack ESI_9.1.0.7.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.
4. From the temporary directory, give the shell script execute permissions and run it:


```
$ chmod +x update_obiee.sh
$ ./update_obiee.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_1_0_7_XXX.jar
```

Restart OAS/OBIEE Server

After you update the application server running OAS/OBIEE, 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.

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 9.1.0.7.xxx, where xxx is the build number.
4. Click **Exit**.
5. Notify users that the Oracle Empirica Signal instance is available.

Change log

Date	Revised part number	Description
March 2022	F53337-02	Added missing steps to update the OBIEE report database account.
February 2022	F53337-01	Original version for 9.1.0.7 patch.