

Oracle Health Sciences Empirica Signal

Oracle Empirica Signal 9.1 to 9.1.0.8 Upgrade Instructions



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The Oracle logo, consisting of a solid red square with the word "ORACLE" in white, uppercase, sans-serif font centered within it.

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Oracle Health Sciences Empirica Signal Oracle Empirica Signal 9.1 to 9.1.0.8 Upgrade Instructions, Release 9.1.0.8

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Preface

This preface contains the following sections:

- [Documentation accessibility](#)
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Documentation accessibility

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Apply the 9.1.0.8 patch to Oracle Empirica Signal

- [Before you start](#)
You can apply the Oracle Empirica Signal 9.1.0.8 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, 9.1.0.6.371, or 9.1.0.7.374.
- [Prepare to upgrade](#)
To upgrade, you must confirm that you have the appropriate credentials.
- [Unpack the Oracle Empirica Signal 9.1.0.8 files](#)
On the application server running Oracle Empirica Signal 9.1.0.x, start a command shell.
- [Update the 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 9.1.0.8 files on the application server running Oracle Empirica Signal, you must deploy the Oracle Empirica Signal application in the Oracle WebLogic Server console.
- [Update Oracle Analytics Server/Oracle Business Intelligence Enterprise Edition](#)
If you are upgrading from a version prior to Oracle Empirica Signal 9.1.0.7, and if an Oracle Analytics Server (OAS) or Oracle Business Intelligence Enterprise Edition (OBIEE) was set up for Oracle Empirica Topics reporting, complete the following steps.
- [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.

Before you start

You can apply the Oracle Empirica Signal 9.1.0.8 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, 9.1.0.6.371, or 9.1.0.7.374.

For information about installing Oracle Empirica Signal, see the Oracle Empirica Signal 9.1 *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. Click **Settings** to open the Settings panel.
 3. Click **About** to view the Oracle Empirica Signal version number.

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
 - 9.1.0.7.374
4. Click **Back** to return to the Settings panel.
 5. Click **View Currently Logged in Users**.
If sessions in addition to your own are running, instruct the users to finish their sessions.
 6. Click **Exit**.

Unpack the Oracle Empirica Signal 9.1.0.8 files

On the application server running Oracle Empirica Signal 9.1.0.x, start a command shell.

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 <Signal9108> (for example, /u01/stage/Signal9108), and unpack ESI_9.1.0.8.zip into it.
3. In the temporary directory, open the file `update_Signal.sh` and verify that 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
$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, or
 - Signal_Install.9_1_0_7_374_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_8_xxx.jar
```

 **Note:**

If your site has configured Oracle Business Intelligence for Oracle Empirica Topics and you are upgrading from a version prior to Oracle Empirica Signal 9.1.0.7, follow the steps in [Create the Oracle Business Intelligence views for Oracle Empirica Topics](#) in the *Reporting and Oracle Business Intelligence Configuration Guide*.

In Step 1, however, substitute the file `ESI_9.1.0.8.zip`, included in this patch, for the `Database.zip` file. Then, follow the steps in [Create the Oracle Business Intelligence views for Oracle Empirica Topics](#) in the *Reporting and Oracle Business Intelligence Configuration Guide*.

## Update the 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 the `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 9.1.0.8 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 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

If you are upgrading from a version prior to Oracle Empirica Signal 9.1.0.7, and if an Oracle Analytics Server (OAS) or Oracle Business Intelligence Enterprise Edition (OBIEE) was set up for Oracle Empirica Topics reporting, complete the following steps.

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 `<OBIEE_9108>` (for example, `/u01/stage/OBIEE_9108`), and unpack `ESI_9.1.0.8.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_8_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 `9.1.0.8.XXX`, where `XXX` is the build number.
4. Click **Exit**.
5. Notify users that the Oracle Empirica Signal instance is available.