

Oracle Life Sciences Empirica

Oracle Empirica Signal 9.2.2 to 9.2.2.2 Patch Installation Guide



Release 9.2.2.2

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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 Life Sciences Empirica Oracle Empirica Signal 9.2.2 to 9.2.2.2 Patch Installation Guide, Release 9.2.2.2

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Preface

This preface contains the following sections:

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

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

All documentation and other supporting materials are available on the [Oracle Help Center](#).

Access to Oracle Support

Oracle customers that have purchased support have access to electronic support through Support Cloud.

Contact our Oracle Customer Support Services team by logging requests in one of the following locations:

- 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.

1

Apply the 9.2.2.2 patch to Oracle Empirica Signal

- [Before you start](#)
The 9.2.2.2 patch can be deployed on top of an existing Oracle Empirica Signal 9.2.2 or 9.2.2.1 installation.
- [Prepare to upgrade](#)
To upgrade, you must confirm that you have the appropriate credentials.
- [Unpack the Oracle Empirica Signal 9.2.2.2 files](#)
On the application server running Oracle Empirica Signal 9.2.2 or 9.2.2.1, start a command shell.
- [Deploy Oracle Empirica Signal](#)
After you have unpacked the Oracle Empirica Signal 9.2.2.2 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 Empirica Signal database](#)
If you are upgrading from Oracle Empirica Signal 9.2.2, perform the following steps to update the Oracle Empirica Signal database.
- [Update the Oracle Analytics Server](#)
Complete the following steps if an Oracle Analytics Server (OAS) was set up for Empirica Topics reporting.
- [Restart the 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.
- [Confirm the upgrade](#)
Confirm that the upgrade succeeded and notify users.

Before you start

The 9.2.2.2 patch can be deployed on top of an existing Oracle Empirica Signal 9.2.2 or 9.2.2.1 installation.

If you are performing a fresh installation, or upgrading from an earlier version of Oracle Empirica Signal, please follow the Oracle Empirica Signal 9.2.2 *Installation and Upgrade Instructions*, sections 2-9, before resuming with the steps in this guide for patching to 9.2.2.2.

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**, then **About** to confirm that the version number of Oracle Empirica Signal is 9.2.2.0.124 or 9.2.2.1.131.
- 3. Click **Back** to return to the **Settings** panel.
- 4. Click **View Currently Logged in Users** to check your work.
If sessions in addition to your own are running, instruct the users to finish their sessions.
- 5. Click **Exit**.

Unpack the Oracle Empirica Signal 9.2.2.2 files

On the application server running Oracle Empirica Signal 9.2.2 or 9.2.2.1, start a command shell.

1. As the non-privileged user, on the application server running Oracle Empirica Signal 9.2.2 or 9.2.2.1, start a command shell (for example, Putty).
2. Create a temporary directory `<Signal9222>` (for example, `/u01/stage/Signal9222`) and unpack `ESI_9.2.2.2.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.  
$ ./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 `<INSTALL_DIR>`, for example:
(`Signal_Install.9_2_2_0_124_bkp` or `Signal_Install.9_2_2_1_131_bkp`).
7. Verify the `<INSTALL_DIR>/Signal/Web-INF/lib` directory includes the following file, where `XXX` is the build number: (`Signal-9_2_2_2_XXX.jar`).

Deploy Oracle Empirica Signal

After you have unpacked the Oracle Empirica Signal 9.2.2.2 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, click the **Deployments** link.
4. In the table on the right, select the **Signal** checkbox.
5. Click **Update**, select **Next**, and 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, and 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.
12. Wait until **SignalServer** status is **SHUTDOWN** and then select the **SignalServer** checkbox.
13. Click the **Start** button.
14. Click **Yes**.
15. If the Topics Service is enabled, repeat steps 2-14 for **TopicsService** and **TopicsServer**.
16. Wait until the statuses of **SignalServer** and **TopicsServer** (if enabled) are **RUNNING**, and then click the **Refresh** icon to check your work.

Update Oracle Empirica Signal database

If you are upgrading from Oracle Empirica Signal 9.2.2, 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 Oracle 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.

Update the 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, start a command shell (for example, Putty).
2. Create temporary directory `<OAS_9222>` (for example, `/u01/stage/OAS_9222`), and unpack `ESI_9.2.2.2.zip` into it.
3. In the temporary directory, open the file `update_OAS.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_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-9_2_2_2_XXX.jar.
```

Restart the 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, and 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.
7. Wait until **bi_server** state is SHUTDOWN, and then select the **bi_server** checkbox.
8. Select the **Start** button.
9. Click **Yes**.
10. Wait until the state is **RUNNING**, and then click the **Refresh** icon to check your work.

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** and click **About**.
3. Verify that the Oracle Empirica Signal version is `9.2.2.2.XXX`, where `XXX` is the build number.
4. Click **Exit**.
5. Notify users that the Oracle Empirica Signal instance is available.

2

Upgrade to the 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 *Oracle Empirica Topics Reporting and Oracle Analytics Configuration Guide* .