# Oracle Life Sciences Empirica Oracle Empirica Signal 9.2.2 to 9.2.2.2 Patch Installation Guide





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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# Contents

Documentation accessibility	iv
Related resources	iv
Access to Oracle Support	iv
Apply the 9.2.2.2 patch to Oracle Empirica Signal	
Before you start	1-1
Prepare to upgrade	1-1
Jnpack the Oracle Empirica Signal 9.2.2.2 files	1-2
Deploy Oracle Empirica Signal	1-2
Jpdate Oracle Empirica Signal database	1-3
Jpdate the Oracle Analytics Server	1-3
	1-4
Restart the Oracle Analytics Server	1-4

Integrate Oracle Empirica Signal with Oracle Analytics Server 2023



2-1

### **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 Oracle 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 https://www.oracle.com/corporate/accessibility/learning-support.html#support-tab 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.

- 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.
- 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.
- 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.

- 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.

- 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**.
- 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.
- 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).
- 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.

- 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.
- 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.

- 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:

- 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 Life Sciences Empirica Topics Reporting and Oracle Analytics Configuration Guide.