

# Oracle Health Sciences Empirica Signal Upgrade Guide



Release 9.1.0.2

F38489-02

April 2021

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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# Preface

This preface contains the following sections:

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

## 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

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

- English interface of Oracle Health Sciences Customer Support Portal (<https://hsgbu.custhelp.com/>)
- Japanese interface of Oracle Health Sciences Customer Support Portal (<https://hsgbu-jp.custhelp.com/>)

You can also call our 24x7 help desk. For information, visit <http://www.oracle.com/us/support/contact/health-sciences-cloud-support/index.html> or visit <http://www.oracle.com/pls/topic/lookup?ctx=acc&id=trs> if you are hearing impaired.

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# 1

## Apply the 9.1.0.2 Patch to Oracle Empirica Signal

- [Before you start](#)  
You can apply the Oracle Empirica Signal 9.1.0.2 patch to an instance of Oracle Empirica Signal 9.1.0.0.360 or 9.1.0.1.361.
- [Prepare to upgrade](#)  
To upgrade, you must confirm that you have the appropriate credentials.
- [Unpack the Oracle Empirica Signal 9.1.0.2 files](#)  
On the application server running Oracle Empirica Signal 9.1.0.0.360 or 9.1.0.1.361, start a command shell.
- [Deploy Oracle Empirica Signal](#)  
After you have unpacked the 9.1.0.2 files on the application server running Oracle Empirica Signal, you must deploy the Signal application in the Oracle WebLogic console.
- [Confirm the upgrade](#)  
Confirm that the upgrade succeeded and notify users.

### Before you start

You can apply the Oracle Empirica Signal 9.1.0.2 patch to an instance of Oracle Empirica Signal 9.1.0.0.360 or 9.1.0.1.361.

For information about installing Oracle Empirica Signal 9.1, 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. To confirm that the version number of Oracle Empirica Signal is 9.1.0.0.360 or 9.1.0.1.361, click **Settings**, then **About**.
  3. Click **Back**, and then **View Currently Logged in Users**.  
If sessions in addition to your own are running, instruct the users to finish their sessions.
  4. Click **Exit**.

## Unpack the Oracle Empirica Signal 9.1.0.2 files

On the application server running Oracle Empirica Signal 9.1.0.0.360 or 9.1.0.1.361, 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 `<Signal9102>` (for example, `/u01/stage/Signal9102`), and unpack `ESI_9.1.0.2.zip` into it. For example:  

```
$ unzip ESI_9.1.0.2.zip -d /u01/stage/Signal9102
```
3. In the temporary directory, open the file `update_Signal.sh` and verify that directory `/u01/stage/Signal_Install`, specified in the file, exists. Otherwise, update the `INSTALL_BASE_DIR`, `INSTALL_DIR`, and `SIGNAL_DIR` variables with the actual path.
4. From the temporary directory, give the shell script execute permissions and run it:

```
$ chmod +x update_Signal.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>` (e.g., `Signal_Install.9_1_0_0_360_bkp` or `Signal_Install.9_1_0_1_361_bkp`). Verify the `<INSTALL_DIR>/Signal/WEB-INF/lib` directory includes the following files, where `xxx` is the build number:
  - `datamine-1_5_1_2_xxx.jar`
  - `empirica-1_5_1_2_xxx.jar`
  - `EmpiricaCore-1_5_1_2_xxx.jar`
  - `Signal-9_1_0_2_xxx.jar`
  - `topics-9_1_0_2_xxx.jar`

### Note:

If your site has configured Oracle Business Intelligence for Oracle Empirica Topics, follow the steps in *Create the Oracle Business Intelligence database account for Oracle Empirica Topics* *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_9.1.0.2.zip`, included in this patch, for the `Database.zip` file.

## Deploy Oracle Empirica Signal

After you have unpacked the 9.1.0.2 files on the application server running Oracle Empirica Signal, you must deploy the Signal application in the Oracle WebLogic console.

1. Log in to the 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**, 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, 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.
12. Select the **SignalServer** checkbox.
13. Select the **Start** button.
14. Click **Yes**.
15. If Topics Service is enabled, repeat steps 2 to 13 for **TopicsService** and **TopicsServer**.
16. Click the **Refresh** icon.  
Wait until the statuses of SignalServer and TopicsServer (if enabled) are 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 9.1.0.2.xxx, where xxx is the build number.
4. Click **Exit**.
5. Notify users that the Oracle Empirica Signal instance is available.