precisely

Spectrum Technology Platform

Version 2022.1.0 S37

Release Notes

This document contains information about Spectrum Technology Platform 2022.1.0 patch S37. You have access only to the modules you have licensed. To evaluate any other modules, contact your Precisely account executive for a trial license key.

Who should apply this update?	This product update is intended for all Spectrum Technology Platform 2022.1.0 users.
Is this update required?	This product update is required.

Contents:

Fixed Issues

This product update improves security and fixes the following issues in Spectrum Technology Platform 2022.1.0.

CDQE-101947	Issue when changing the Neo4j password.
CDQE-102432	Profiler in the Discovery module returned an error when selecting tables from a Sybase connection.
CDQE-102496	Scorecarding sample in Discovery module limited to 10K records.

Installation

To install this product update you must have Spectrum Technology Platform 2022.1.0 installed.

Important: Before you install this product update, be sure that you have installed all previously released product updates for your modules and the platform. Unexpected issues may occur if you do not install product updates in the proper order. For a listing of product updates for each module and the platform, see the **Product Update Summary**.

Applying This Product Update to a Cluster

To apply this product update to a cluster you must stop all the nodes in the cluster then install the product update to each node by following the instructions in these release notes. You can start each node after you update it.

Warning: You must stop the cluster before installing this patch. Failure to do so may result in data loss and your system may become unusable.

Applying This Product Update to a Separated Database Configuration

To apply this product update to a separated database configuration you must stop all repository instances and server instances of Spectrum Technology Platform. Extract the patch to a separate directory. *DatabaseDirectory* is the directory where the Configuration Database is installed. For the repository instances, follow the steps that apply to the *DatabaseDirectory*/`repository`. For the server instances, follow the other steps that apply to the server.

Warning: You stop both repository and server instances before installing this patch. Failure to do so may result in data loss and your system may become unusable.

To start the database after replacing the repository, the files listed here must be restored from the repository backup to the *DatabaseDirectory*.

```
/repository/bin/setup
/repository/bin/server.start
/repository/bin/server.stop
/repository/bin/wrapper/es
/repository/bin/wrapper/libwrapper.so
/repository/bin/wrapper/wrapper
/repository/bin/wrapper/wrapper.jar
```

Copy the Java path from the backed up `/repository/bin/wrapper/wrapper.conf` file, and set the `wrapper.java.command` property in the *DatabaseDirectory*`/repository/bin/wrapper/wrapper.conf` file:

```
 # Java Application
 wrapper.java.command=java path
```

To retain customized settings in the `wrapper.conf` file, copy the customized settings from the backed up copy.

Copy cluster settings from the backed up `/repository/spectrum-container.properties` file. If you do not copy these settings, the cluster will not start correctly and could cause issues with the configuration database.

Installing on Windows

Follow steps in this procedure to install the Spectrum Technology Platform 2022.1.0 S37 patch in a Windows configuration.

> **Note:** In this procedure, *SpectrumDirectory* is the directory where the Spectrum Technology Platform server is installed (for example, `C:\Program Files\Precisely\Spectrum`).

1. Stop the Spectrum Technology Platform server.

   To stop the server, right-click the Spectrum Technology Platform icon in the Windows system tray and click **Stop Spectrum**

2. Back up these directories to a different location:

   ```
   SpectrumDirectory\index\modules\transport-netty4
   SpectrumDirectory\index\plugins\opendistro-security
   SpectrumDirectory\index\plugins\opendistro-alerting
   SpectrumDirectory\index\plugins\opendistro-index-management
   SpectrumDirectory\index\plugins\opendistro-reports-scheduler
   SpectrumDirectory\index\plugins\opendistro-sql
   SpectrumDirectory\repository
   ```

```
SpectrumDirectory\server\bin
SpectrumDirectory\server\deploy
SpectrumDirectory\server\lib
```

3. Delete version files that are to be updated by this patch.

   For more information, see **Delete Spectrum server files** on page 6.

4. Use the link in the release announcement to download the ZIP file containing the product update.

   You can also find links to software, release notes, and **checksum** values on the **2022.1.0 Updates** page.

5. Extract the contents of the ZIP file to a temporary location.

6. Extract the contents of the resulting ZIP file (`cdq20221s37.zip`) to the directory where the Spectrum Technology Platform server is installed (`SpectrumDirectory`).

   Choose to overwrite the existing files.

7. Copy the `repository\data` directory that you backed up in step **2** on page 3 to the `SpectrumDirectory\repository` directory.

   This replaces the data directory installed by the patch.

   Important: Copy any changes that you want to retain from the backed up `repository\Neo4j.template` file into the updated `SpectrumDirectory\repository\Neo4j.template` file.

8. Start the Spectrum Technology Platform server.

   To start the server, right-click the Spectrum Technology Platform icon in the Windows system tray and click **Start Spectrum**.

Installing on Linux

Follow steps in this procedure to install the Spectrum Technology Platform 2022.1.0 S37 patch in a Linux configuration.

   Note: In this procedure, `SpectrumDirectory` is the directory where the Spectrum Technology Platform server is installed (for example, `/home/user/myuser/Precisely/Spectrum`).

1. Source the `SpectrumDirectory/server/bin/setup` script.

2. Run the `SpectrumDirectory/server/bin/server.stop` script to stop the Spectrum Technology Platform server.

3. Back up these directories to a different location:

```
SpectrumDirectory/index/modules/transport-netty4
SpectrumDirectory/index/plugins/opendistro-security
SpectrumDirectory/index/plugins/opendistro-alerting
```

```
SpectrumDirectory/index/plugins/opendistro-index-management
SpectrumDirectory/index/plugins/opendistro-reports-scheduler
SpectrumDirectory/index/plugins/opendistro-sql
SpectrumDirectory/repository
SpectrumDirectory/server/bin
SpectrumDirectory/server/deploy
SpectrumDirectory/server/lib
```

4. Delete version files that are to be updated by this patch.

   For more information, see **Delete Spectrum server files** on page 6.

5. Use the link in the release announcement to download the ZIP file containing the product update.

   You can also find links to software, release notes, and **checksum** values on the **2022.1.0 Updates** page.

6. Extract the contents of the ZIP file to a temporary location.

7. FTP the `cdq20221s37.tar.gz` file in binary mode to a temporary directory on the Spectrum Technology Platform machine.

8. Change to the directory where the Spectrum Technology Platform server is installed (`SpectrumDirectory`).

9. Untar the file using this command:

   ```
   tar -xvzf TemporaryDirectory/cdq20221s37.tar.gz
   ```

10. Copy the `repository/data` directory that you backed up in step **3** on page 4 to the `SpectrumDirectory/repository` directory.

    This replaces the data directory installed by the patch.

    Important: Copy any changes that you want to retain from the backed up `repository/Neo4j.template` file into the updated `SpectrumDirectory/repository/Neo4j.template` file.

11. Run the `SpectrumDirectory/server/bin/server.start` script to start the Spectrum Technology Platform server.

File information

This section documents directories and files affected by the patch. All paths in this section are located on the Spectrum Technology Platform server in `SpectrumDirectory` (for example,

`/home/user/myuser/Precisely/Spectrum` on Linux or `C:\Program Files\Precisely\Spectrum` on Windows).

Spectrum Server

This section describes actions performed on Spectrum Technology Platform server files affected by the patch.

Delete Spectrum server files

For each directory in the **Directory** column, delete the files listed in the **Delete** column.

Directory	Delete
`repository`	Delete the entire directory and its contents.
`server\lib`	Delete the entire directory and its contents.

`index\modules\transport-netty4\`	`netty-buffer-4.1.94.Final.jar`
	`netty-codec-4.1.94.Final.jar`
	`netty-codec-http-4.1.94.Final.jar`
	`netty-common-4.1.94.Final.jar`
	`netty-handler-4.1.94.Final.jar`
	`netty-resolver-4.1.94.Final.jar`
	`netty-transport-4.1.94.Final.jar`
	`netty-transport-native-unix-common-4.1.94.Final.jar`

`index\plugins\opendistro-alerting\`	`kotlin-stdlib-1.3.72.jar`
	`kotlin-stdlib-common-1.3.72.jar`
	`kotlin-stdlib-jdk7-1.3.72.jar`
	`kotlin-stdlib-jdk8-1.3.72.jar`

`index\plugins\opendistro-index-management\`	`kotlin-stdlib-1.3.72.jar` `kotlin-stdlib-common-1.3.72.jar`

`index\plugins\opendistro-reports-schedule\`	`json-20230227.jar`
	`kotlin-stdlib-1.4.0.jar`
	`kotlin-stdlib-common-1.4.0.jar`

Directory	Delete

`index\plugins\opendistro_security\`	`netty-buffer-4.1.94.Final.jar`
	`netty-codec-4.1.94.Final.jar`
	`netty-codec-http-4.1.94.Final.jar`
	`netty-common-4.1.94.Final.jar`
	`netty-handler-4.1.94.Final.jar`
	`netty-resolver-4.1.94.Final.jar`
	`netty-transport-4.1.94.Final.jar`
	`netty-transport-native-unix-common-4.1.94.Final.jar`
	`log4j-slf4j-impl-2.11.1.jar`
	`snappy-java-1.1.10.1.jar`

`index\plugins\opendistro-sql\`	`json-20230227.jar`

precisely

1700 District Ave Ste 300
Burlington, MA 01803-5231
USA

www.precisely.com