



Spectrum Technology Platform

Version 2023.1.0 S03

Release Notes

This document contains information about Spectrum Technology Platform 2023.1.0 patch S03. 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 2023.1.0 users.
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Is this update required?	This product update is required.
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Fixed Issues

This product update contains changes that enhance security and fix the following issues:

- CDQE-101200 Administration Utility issue on server backup command
- CDQE-102496 Scorecarding Sample in Discovery Module limited to 10K records
- CDQE-101896 Open Search password change
- CDQE-101947 Neo4j password change
- CDQE-102432 Profiler in the Discover Module returns error when selecting tables from a Sybase connection.

Installation

To install this product update you must have Spectrum Technology Platform 2023.1.0 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.

Installing on Windows

Follow these steps to install the Spectrum Technology Platform 2023.1.0 S03 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 folders to a different location:

```
index
server\bin
server\conf\certs
server\deploy
server\exports
server\lib
repository
```

3. Delete Spectrum Technology Platform server files affected by the patch.
For more information, see [Delete Spectrum server files](#) on page 7.

4. If the Spatial and Routing module is installed on the Spectrum Technology Platform server, back up and delete Spatial and Routing module files affected by the patch.
For more information, see [Back up and delete Spatial and Routing module files](#) on page 7.
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 [2023.1.0 Updates](#) page.
6. Extract the contents of the ZIP file to a temporary location.
7. Extract the contents of the resulting ZIP file (`cdq20231s03.zip`) to the directory where the Spectrum Technology Platform server is installed (*SpectrumDirectory*).
Choose to overwrite the existing files.
8. Copy the `index\data` folder that you backed up in step 2 on page 3 to the *SpectrumDirectory\index* folder.
Important: Copy any changes that you want to retain from the backed up `index/opensearch.template` file into the updated *SpectrumDirectory\index\opensearch.template* file.
9. Copy the `repository\data` folder that you backed up in step 2 on page 3 to the *SpectrumDirectory\repository* folder.
This replaces the data folder 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.
10. If the Spatial and Routing module is installed on the Spectrum Technology Platform server, copy files from the *SpectrumDirectory\server\lib* folder to module lib folders.
For more information, see [Copy Spatial and Routing module files](#) on page 8.
11. If Spectrum is configured to use SSO and SSL, you will need to reimport your certificates.
12. 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**.
13. On any machine that runs Enterprise Designer, delete `glAssemblies` and reinstall Enterprise Designer.
 - a) Stop Spectrum Enterprise Designer.
 - b) Delete the *WindowsTemporaryDirectory\glAssemblies* folder.
The Windows temporary directory is one of the following: `%TMP%`, `%TEMP%`, `%USERPROFILE%`, or the Windows directory. Typically the path is:
`C:\Users\UserName\AppData\Local\Temp\glAssemblies`
 - c) In Windows **Apps & features**, uninstall **Spectrum Enterprise Designer**.
 - d) In a Web browser, open Spectrum Technology Platform.

Go to `http://servername:8080` or `https://servername:8080`.

- e) Click **Platform Client Tools > Desktop > Download Installer**.
- f) Run the downloaded `Setup.exe` file to install the updated Enterprise Designer.

Installing on Linux

Follow these steps to install the Spectrum Technology Platform 2023.1.0 S03 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:

```
index
server/bin
server/conf/certs
server/deploy
server/exports
server/lib
repository
```

4. Delete Spectrum Technology Platform server files affected by the patch.
For more information, see [Delete Spectrum server files](#) on page 7.
5. If the Spatial and Routing module is installed on the Spectrum Technology Platform server, back up and delete Spatial and Routing module files affected by the patch.
For more information, see [Back up and delete Spatial and Routing module files](#) on page 7.
6. 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 [2023.1.0 Updates](#) page.
7. Extract the contents of the ZIP file to a temporary location.
8. FTP the `cdq20231s03.tar.gz` file in binary mode to a temporary directory on the Spectrum Technology Platform machine.
9. Change to the directory where the Spectrum Technology Platform server is installed (*SpectrumDirectory*).
10. Untar the file using this command:

```
tar -xvzf TemporaryDirectory/cdq20231s03.tar.gz
```

11. Copy the `index/data` directory that you backed up in step 3 on page 5 to the `SpectrumDirectory/index` directory.
Important: Copy any changes that you want to retain from the backed up `index/opensearch.template` file into the updated `SpectrumDirectory/index/opensearch.template` file.
12. Copy the `repository/data` directory that you backed up in step 3 on page 5 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.
13. If the Spatial and Routing module is installed on the Spectrum Technology Platform server, copy files from the `SpectrumDirectory/server/lib` directory to module lib directories.
For more information, see [Copy Spatial and Routing module files](#) on page 8.
14. If Spectrum is configured to use SSO and SSL, you will need to reimport your certificates.
15. Run the `SpectrumDirectory/server/bin/server.start` script to start the Spectrum Technology Platform server.
16. On any machine that runs Enterprise Designer, delete `glAssemblies` and reinstall Enterprise Designer.
 - a) Stop Spectrum Enterprise Designer.
 - b) Delete the `WindowsTemporaryDirectory\glAssemblies` folder.
The Windows temporary directory is one of the following: `%TMP%`, `%TEMP%`, `%USERPROFILE%`, or the Windows directory. Typically the path is:
`C:\Users\UserName\AppData\Local\Temp\glAssemblies`
 - c) In Windows **Apps & features**, uninstall **Spectrum Enterprise Designer**.
 - d) In a Web browser, open Spectrum Technology Platform.
Go to `http://servername:8080` or `https://servername:8080`.
 - e) Click **Platform Client Tools > Desktop > Download Installer**.
 - f) Run the downloaded `Setup.exe` file to install the updated Enterprise Designer.

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:\ProgramFiles\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
<code>index</code>	Directory and its contents
<code>repository</code>	Directory and its contents
<code>server\lib</code>	Directory and its contents

Spatial and Routing module

This section describes actions performed on Spatial and Routing files affected by the patch.

If the Spectrum and Routing module is installed on the server, you must back up and delete files before you install the patch. After you install the patch, you must copy `SpectrumDirectory/server/lib` files to the Spatial and Routing module `lib` directories.

Back up and delete Spatial and Routing module files

For each directory in the **Directory** column, back up and delete files listed in the **Back up and delete** column:

Directory	Back up and delete
server\modules\spatial\lib\ <hr/>	spring-core-5.2.22.RELEASE.jar spring-jcl-5.2.22.RELEASE.jar
server\modules\routing\lib\ <hr/>	spring-aop-5.2.22.RELEASE.jar spring-beans-5.2.22.RELEASE.jar spring-context-5.2.22.RELEASE.jar spring-context-support-5.2.22.RELEASE.jar spring-core-5.2.22.RELEASE.jar spring-expression-5.2.22.RELEASE.jar spring-jcl-5.2.22.RELEASE.jar spring-web-5.2.22.RELEASE.jar

Copy Spatial and Routing module files

Copy Spatial or Routing files listed in the **Copy** column from the *SpectrumDirectory*\server\lib directory to the corresponding Spatial or Routing directory in the **Directory** column.

Directory	Copy
server\modules\spatial\lib\ <hr/>	spring-core-5.2.24.RELEASE.jar spring-jcl-5.2.24.RELEASE.jar
server\modules\routing\lib\ <hr/>	spring-aop-5.2.24.RELEASE.jar spring-beans-5.2.24.RELEASE.jar spring-context-5.2.24.RELEASE.jar spring-context-support-5.2.24.RELEASE.jar spring-core-5.2.24.RELEASE.jar spring-expression-5.2.24.RELEASE.jar spring-jcl-5.2.24.RELEASE.jar spring-web-5.2.24.RELEASE.jar



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

www.precisely.com

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