precisely

Spectrum Technology Platform

Version 2023.1.0 S17

Release Notes

This document contains information about Spectrum Technology Platform 2023.1.0 patch S17. 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.
Is this update required?	This product update is required.

Contents:

Fixed Issues

This product update contains software changes that fix issues in Spectrum Technology Platform 2023.1.0.

CDQE-103306   Fixes `SLF4J` error messages in job executor.

Security updates   Fixed security vulnerability issues.

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 and server instances. First follow the steps in **Update a separated database configuration** on page 3. After you update the database configuration server, see **Installing on Windows** on page 4 or **Installing on Linux** on page 5 to apply the patch to the Spectrum server.

Warning: 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.

Update a separated database configuration

Follow these steps to apply the patch to a separated database configuration of Spectrum Technology Platform.

In this procedure, *DatabaseDirectory* is the directory where the Configuration Database is installed.

1. If you have not done so already, stop both repository and server instances of Spectrum Technology Platform.
2. Verify that all Java processes have been stopped.
3. If you are applying the patch in Windows, exit the Spectrum system tray application.

    To exit the system tray application, right-click the Spectrum Technology Platform icon in the Windows system tray and click **Exit**.
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 **2023.1.0 Updates** page.
5. Extract the contents of the (`cdq20231s17.zip`) file to a temporary location.
6. Run the patch installer (`patch.exe` for Windows or `patch.bin` for Linux) on the server that contains the configuration database.

    Files are backed up in the *DatabaseDirectory*\PatchBackup folder.
7. After you run the patch installer, copy these files from the backed up `repository` folder to the *DatabaseDirectory*.

Operating system	Files

Windows	`\repository\bin\spectrumTray.exe`
	`\repository\bin\spectrumTray.exe.config`
	`\repository\bin\wrapper\wrapper.dll`
	`\repository\bin\wrapper\wrapper.exe`
	`\repository\bin\wrapper\wrapper.jar`

Linux	`/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`

8. 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
```

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

10. If you are applying the patch in Windows, restart the Spectrum system tray application.

    To start the system tray application, double-click *DatabaseDirectory*`\repository\bin\spectrumTray.exe`

11. If you have a separated database configuration cluster, copy the 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.

12. Start Spectrum Technology Platform on the Configuration Database server.

    Important: If you have a separated configuration database cluster, apply the patch to each node in the cluster before starting the Configuration Database servers.

13. Follow instructions in **Installing on Windows** on page 4 or **Installing on Linux** on page 5 to run the patch installer on the Spectrum server.

Installing on Windows

Attention: If your Spectrum Technology Platform server is installed with a separated database configuration, first follow the steps in **Update a separated database configuration** on page 3 to update the database configuration instances before you perform this procedure on the Spectrum server instances.

Follow these steps to install the Spectrum Technology Platform 2023.1.0 S17 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. Verify that all Java processes have been stopped.

3. 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.

4. Extract the contents of the (`cdq20231s17.zip`) file to a temporary location.

5. Backup and delete the *SpectrumDirectory*`\PatchBackup` folder.

6. Run the `patch.exe` file to start the patch installer.

7. Follow the steps to complete the patch installation.

   Backup files are stored in the *SpectrumDirectory*`\PatchBackup` folder.

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

Attention: If your Spectrum Technology Platform server is installed with a separated database configuration, first follow the steps in **Update a separated database configuration** on page 3 to update the database configuration instances before you perform this procedure on the Spectrum server instances.

Follow these steps to install the Spectrum Technology Platform 2023.1.0 S17 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. Verify that all Java processes have been stopped.

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 **2023.1.0 Updates** page.

5. Extract the contents of the ZIP file (`cdq20231s17.zip`) to a temporary location.

6. FTP the contents of the ZIP file in binary mode to a temporary directory on the Spectrum Technology Platform machine.

7. Backup and delete the *SpectrumDirectory*`/PatchBackup` directory.

8. Run the `patch.bin` file to start the patch installer.

   > **Note:** You must run the patch installer as the same user that was used to install the Spectrum Technology Platform server.

9. Follow the prompts to complete the patch installation.

   Backup files are stored in the *SpectrumDirectory*/`PatchBackup` directory.

10. Change to the directory where the Spectrum Technology Platform server is installed (*SpectrumDirectory*).

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

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