

Spectrum™ Technology Platform

Version 2018.2 S33

Spectrum™ Technology Platform Release Notes

This document contains information about Spectrum™ Technology Platform 2018.2 S33. You have access only to the modules you have licensed. To evaluate any other modules, contact your Pitney Bowes account executive for a trial license key.

Who should apply this update? This product update is for users of Spectrum™ Technology Platform 2018.2.

Is this update required? Yes: this is a required platform-level update. Ensure that you have installed all product updates prior to this update before installing this product update.

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Fixed Issues

Product Update 2018.2 S33 resolves these customer-reported issues:

Issue description	Fix description	Issue ID
A job located under the Job folder moves to the root folder unexpectedly.	The job folder created with a job name remains at its original hierarchy in the folder structure.	CDQE-73131
The jobexecutor <code>-w</code> option does not work as expected when running multiple (10 or more) concurrent jobs.	When using the <code>-w</code> option with multiple concurrent jobs, jobexecutor showed flows as being in a "ready" state while running. With this product update, the correct status displays for any job status when running multiple concurrent jobs.	CDQE-73936
The account ID needs to be exposed in the Transformer stage.	The account ID is now exposed as a "username" in the Transformer stage and can be used to fetch the user.	CDQE-78592
Settings for string conversion format defaults were lost after restarting the Spectrum™ Technology Platformserver.	Spectrum now appropriately maintains/persists the default type conversion options.	CDQE-79137
Previously exposed multi-level Spectrum parent services do not return updated results when a child subflow is updated and exposed.	Once a subflow is changed and exposed, all the flows using the subflow will start using the updated subflow without having to re-expose all child subflows.	CDQE-79342
Previously exposed Spectrum parent services do not return updated results when a child subflow is updated and exposed.	When the subflow is changed and exposed, all flows (services) using the subflow will use the updated version of the subflow.	CDQE-79343
Spectrum is returning a <code>java.lang.NullPointerException</code> : <pre>null INFO jvm 1 datetime at com.pb.spectrum.platform.server.common. audit.core.aspect.AuditAspect.evaluateExpression</pre>	This product update resolves the scheduling process flow error.	CDQE-79422

Issue description	Fix description	Issue ID
Processing returned a null pointer exception during a scheduled purge task.	We have updated artifact <code>spectrum-server-common-scheduling-18.2.jar</code> , included in this product update.	CDQE-79579
The Spectrum 2018.2 remote server is not connecting.	The remote server connection is fixed as part of this product update.	CDQE-79582

Before you apply this product update

Note: You must install all appropriate prior product updates before applying 2018.2 S33.

To install this product update you must have Spectrum™ Technology Platform 2018.2 installed. You should perform these tasks below before you apply the product update.

- Before you apply this product update, **read through the entire installation process for your platform.**
 - [Installing on Windows](#)
 - [Installing on Unix or Linux](#)
- **The installation instructions include sample paths** that include the variable *SpectrumDirectory*. The path varies for each platform. For example:

Platform	<i>SpectrumDirectory</i> sample path
Windows	C:\Program Files\Pitney Bowes\Spectrum
Linux or Unix	/home/user/myuser/PBSpectrum

- **Ensure 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 on support.pb.com/spectrum.

Installing on Windows

Follow these steps to install the 2018.2 S33 product update.

1. Shut down the Spectrum™ Technology Platform product server.

To stop the server:

- Right-click the Spectrum™ Technology Platform icon in the Windows system tray and select **Stop Spectrum™**.
- Alternatively, you can use the Windows Task Manager and stop the Pitney Bowes Spectrum™ Technology Platform service.
 - a. Select the **Services** tab.
 - b. Highlight **leslie**.
 - c. Right-click.
 - d. Select **Stop**

In a typical clustered configuration, start the shutdown process with the highest node ID number, working back to the primary node. In a cluster with three nodes, you would bring down node #3, then node #2, then node #1.

Note: You must ensure that one node is completely stopped before stopping the next one.

To stop each node:

- Right-click the Spectrum™ Technology Platform icon in the Windows system tray and select **Stop Spectrum™**.
- Alternatively, you can use the Windows Services control panel and stop the Pitney Bowes Spectrum™ Technology Platform service.

2. Backup these files to a safe location, then delete them from the original location:

- *SpectrumDirectory\server\app\exports\client-18.2-Common.zip*
- *SpectrumDirectory\server\app\exports\jobexecutor.jar*
- *SpectrumDirectory\server\app\lib\spectrum-server-common-audit-core-18.2*
- *SpectrumDirectory\server\app\lib\spectrum-server-common-scheduling-18.2*
- *SpectrumDirectory\server\app\lib\spectrum-server-config-core-18.2.jar*
- *SpectrumDirectory\server\app\lib\spectrum-server-runtime-api-18.2.jar*
- *SpectrumDirectory\server\app\lib\spectrum-server-runtime-core-18.2.jar*
- *SpectrumDirectory\server\app\deploy\stages-18.2.car*

3. Use the link in the product update announcement to download the `cdq20182s33.zip` file containing the product update.
4. Unzip and extract the resulting `cdq20182s33.zip` to the folder where you installed Spectrum. Choose to overwrite the existing files.

Note: In a clustered environment, you need to repeat this step on every node in the cluster.

5. Restart the Spectrum™ Technology Platform product server.

In a typical clustered configuration, restart with the primary node, working up to the highest node ID. In a cluster with three nodes, you would start node #1, then node #2, then node #3.

- Right-click the Spectrum™ Technology Platform icon in the Windows system tray and select **Start > Spectrum™**.
 - Alternatively, you can use Windows Task Manager to start Spectrum™ Technology Platform.
 - a. Select the **Services** tab.
 - b. Highlight **leslie**.
 - c. Right-click.
 - d. Select **Start**.
6. On any machines that have Enterprise Designer installed, delete `WindowsTemporaryDirectory\glAssemblies`, where `WindowsTemporaryDirectory` is one of the following: `%TMP%`, `%TEMP%`, `%USERPROFILE%`, or the Windows directory. Typically the path is:


```
C:\Users\UserName\AppData\Local\Temp\glAssemblies
```
 7. If you have downloaded the Job Executor (`jobexecutor.jar`) or Process Flow Executor (`pflowexecutor.jar`) to a client machine, delete it and download the updated version from the Spectrum™ Technology Platform Welcome page which you can typically access at:


```
http://SpectrumURL:8080 or https://SpectrumURL:8443
```
 8. If you have downloaded the Administration Utility to a client machine, delete it and download the updated version from the Spectrum™ Technology Platform Welcome page. To do this update:
 - a) Go to your Spectrum™ Technology Platform server URL (for example, `http://SpectrumURL:8080` or `https://SpectrumURL:8443`).
 - b) Follow [these instructions](#) for downloading and installing the updated client.

Installing on Unix or Linux

Follow these steps to install the 2018.2 S33 product update.

Note: In this procedure, `SpectrumDirectory` is the folder where you have installed the Spectrum™ Technology Platform server.

1. From the product server instance, shut down the Spectrum™ Technology Platform product server.

In a typical clustered configuration, start the shutdown process with the highest node ID number, working back to the primary node. In a cluster with three nodes, you would bring down node #3, then node #2, then node #1.

Note: You must ensure that one node is completely stopped before stopping the next one.

To stop each node:

- a) Open a command prompt and source the *SpectrumDirectory/server/bin/setup* script.

For example: `./setup`

- b) Run the *SpectrumDirectory/server/bin/server.stop* script to stop the Spectrum™ Technology Platform repository.

For example: `./server.stop`

2. Backup these files to a safe location, then delete them from the original location:

- *SpectrumDirectory/server/app/exports/client-18.2-Common.zip*
- *SpectrumDirectory/server/app/exports/jobexecutor.jar*
- *SpectrumDirectory/server/app/lib/spectrum-server-common-audit-core-18.2*
- *SpectrumDirectory/server/app/lib/spectrum-server-common-scheduling-18.2*
- *SpectrumDirectory/server/app/lib/spectrum-server-config-core-18.2.jar*
- *SpectrumDirectory/server/app/lib/spectrum-server-runtime-api-18.2.jar*
- *SpectrumDirectory/server/app/lib/spectrum-server-runtime-core-18.2.jar*
- *SpectrumDirectory/server/app/deploy/stages-18.2.car*

3. Use the link in the product update announcement to download the *cdq20182s33.tar.gz* file containing the product update from Pitney Bowes.

4. Copy the *cdq20182s33.tar.gz* file in binary mode to a temporary directory on the Spectrum™ Technology Platform machine.

5. Change to the **directory** where Spectrum™ Technology Platform is installed.

6. Extract the file using this command, overwriting the old files:

```
tar -xvzf TemporaryDirectory/cdq20182s33.tar.gz
```

7. Run the *SpectrumDirectory/server/bin/server.start* script to start the Spectrum™ Technology Platform server.

8. Be sure you have execute permission on the updated files by typing the following command:

```
chmod -R a+x SpectrumDirectory/server
```

9. On any machines that have Enterprise Designer installed, delete *\glAssemblies*, where *WindowsTemporaryDirectory* is one of the following: *%TMP%*, *%TEMP%*, *%USERPROFILE%*, or the Windows directory. Typically the path is:

```
C:\Users\UserName\AppData\Local\Temp\glAssemblies
```

10. Run the *SpectrumDirectory/server/bin/server.start* script to start the Spectrum™ Technology Platform server.

For example: `./server.start`

In a typical clustered configuration, restart the primary node first, working up to the highest node ID. In a cluster with three nodes, you would start node #1, then node #2, then node #3.

11. If you have downloaded the Job Executor (jobexecutor.jar) or Process Flow Executor (pflowexecutor.jar) to a client machine, delete it and download the updated version from the Spectrum™ Technology Platform Welcome page which you can typically access at:
`http://SpectrumServer:8080`
12. If you have downloaded the Administration Utility to a client machine, delete it and download the updated version from the Spectrum™ Technology Platform Welcome page. To do this update:
 - a) Go to your Spectrum™ Technology Platform server URL (for example, `http://<SpectrumURL>:8080`).
 - b) Follow [these instructions](#) for downloading and installing the updated client.



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