



Spectrum Technology Platform

Version 12.2.1 S28

Release Notes

This document contains information about Spectrum Technology Platform 12.2.1 S28. 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 12.2.1 users.
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Is this update required?	This product update is required.
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Fixed Issues

This product update contains the following updates and upgrades in the Spectrum Technology Platform:

CDQE-83978	Updates Neo4j to 3.4.16
CDQE-83983	Updates Cryptacular to 1.2.4
CDQE-84031	Upgrades jQuery v2.1.0 to v3.5.1 in JMX-console
CDQE-84417	Updates dom4j to 2.1.3

Installation

To install this product update you must have Spectrum Technology Platform 12.2.1 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 platform, see the [Spectrum Technology Platform Updates](#) pages.

Important: Before you install this product update, be sure that you install the S27 update. The S28 update has been assembled to follow the S27 update.

Applying This Product Update to a Cluster

To apply this product update to a cluster, install the product update to each server node in the cluster by following the instructions in these release notes. You can apply the product update to one node at a time without stopping all the nodes in the cluster.

Installing on Windows

Before you install this product update, be sure that you install the Spectrum Technology Platform 12.2.1 S27 patch. Changes in this update will only function correctly after you install the S27 patch.

Note: In this procedure, *SpectrumFolder* is the folder where you have installed the Spectrum Technology Platform server (for example, C:\Program Files\Pitney Bowes\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 select **Stop Spectrum**.
- Alternatively, you can use the Windows Services Control Panel and stop the Pitney Bowes Spectrum Technology Platform service.

2. Back up the following files to a different location:

```
SpectrumFolder\server\app\deploy\jmx-console.war
SpectrumFolder\server\app\deploy\stproxy.war
SpectrumFolder\server\app\deploy\ews-12.2.1.car
SpectrumFolder\server\app\deploy\security.war
SpectrumFolder\server\app\deploy\stages-12.2.1.car
SpectrumFolder\server\app\lib\dom4j-2.1.1.jar
SpectrumFolder\server\app\lib\cryptacular-1.2.1.jar
```

3. Use the link in the release announcement to download the ZIP file (`cdq1221s28_Windows.zip`) containing the product update.

You can also find links to software and release notes on the [12.2.1 Updates](#) page.

4. Extract the contents of the ZIP file to a temporary location.
5. Extract the contents of the resulting ZIP file (`cdq1221s28.zip`) to the folder where you installed Spectrum (*SpectrumFolder*).

Choose to overwrite the existing files.

Completing this step replaces backed up files and adds the following two new files:

```
SpectrumFolder/server/app/lib/cryptacular-1.2.4.jar
SpectrumFolder/server/app/lib/dom4j-2.1.3.jar
```

6. Delete the following files:

```
SpectrumFolder\server\app\lib\dom4j-2.1.1.jar
SpectrumFolder\server\app\lib\cryptacular-1.2.1.jar
```

7. 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 Unix or Linux

Before you install this product update, be sure that you install the Spectrum Technology Platform 12.2.1 S27 patch. Changes in this update will only function correctly after you install the S27 patch.

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

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 folders and files to a different location:

```
SpectrumDirectory/server/app/deploy/jmx-console.war  
SpectrumDirectory/server/app/deploy/stages-12.2.1.car  
SpectrumDirectory/server/app/deploy/stsproxy.war  
SpectrumDirectory/server/app/deploy/security.war  
SpectrumDirectory/server/app/deploy/ews-12.2.1.car  
SpectrumDirectory/server/app/lib/dom4j-2.1.1.jar  
SpectrumDirectory/server/app/lib/cryptacular-1.1.1.jar
```

4. Use the link in the release announcement to download the ZIP file containing the product update. You can also find links to software and release notes on the [12.2.1 Updates](#) page.
5. Extract the contents of the ZIP file to a temporary location.
6. FTP the extracted file in binary mode to a temporary directory on the Spectrum Technology Platform machine.
7. Change to the directory where Spectrum Technology Platform is installed (`SpectrumDirectory`).
8. Untar the file using this command:

```
tar -xvzf TemporaryDirectory/cdq1221s28.tar.gz
```

Completing this step replaces backed up files and adds the following two new files:

```
SpectrumDirectory/server/app/lib/cryptacular-1.2.4.jar  
SpectrumDirectory/server/app/lib/dom4j-2.1.3.jar
```

9. Delete the following files:

```
SpectrumDirectory/server/app/lib/dom4j-2.1.1.jar  
SpectrumDirectory/server/app/lib/cryptacular-1.1.1.jar
```

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



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