

# Spectrum™ Technology Platform

## Version 2018.2 S21

# Release Notes

This document contains information about Spectrum™ Technology Platform 2018.2 S21. 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 the Spectrum™ Technology Platform 2018.2 Location Intelligence Module and Enterprise Routing Module.

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**Is this update required?** Yes

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## What's New

This section describes new and changed features for this release.

### *New Properties Available for Controlling ACL*

Two new properties for controlling ACL related behavior are included in %Spectrum%\server\modules\spatial\java.properties. (A server restart is required after changing the properties.)

- **spatial.security.acl.enable** If the system administrator is not using permissions on any Named Resources in the Spatial repository, they can set this property to false to disable the ACL check. Since all users have full permissions on all Named Resources, setting this property to false skips the consistency checks between the Spatial repository and the access control database at system startup time. This results in faster processing.
- **spatial.security.acl.check** On system startup, Spatial runs a consistency check. This process can be time-consuming depending on the number of Named Resources in the Spatial repository. Administrators can set this property to false to avoid the check and thereby speed up the server startup time.

## Fixed Issues

This release contains the following Enterprise Routing Module (ERM) fixes:

- (ROUT-6435) Some routing web services were reading and writing numeric data in the wrong format because comma decimal points (“,”) used in some countries were not handled in a locale-independent way.
- (ROUT-6368) For the Travel Boundary stage, when adding a new parameter with String (or list type of string) in the input stage, the same was not listed in **Values Field Name** in the stage. When modifying the default **TravelCost** parameter on the **Input** tab from Double to String (or list type of string) in the input stage, the parameter was listed in the Travel Boundary stage but was not working as expected.
- (ROUT-6367) An error was occurring while applying persistent updates. It was corrupting the update file which in turn would throw an error at the time of server start.
- (ROUT-6341) The persistent update request for non-English locales was throwing an error before the completion of the operation.

- (ROUT-6242) In Enterprise Designer, placing a Spectrum platform stage after a Travel Boundary stage would hide the **Cost** and **CostUnit** fields from the output. These fields were in the inspection window but unavailable to downstream stages.

This release contains the following Location Intelligence Module (LIM) fixes:

- (MID-46524) Combining native and custom handlers for data source definitions was generating an error: "MissingDataProviderReader: Unable to find a data provider reader for this element."
- (MID-45785) After applying the 2018.2 **S05** patch the POST Feature Service request was returning a "Bad Request" error. The same service was returning the expected output in the GET request.
- (MID-45774) The **Output field** defined for some spatial calculator operations such as Within and Intersects was not part of the stage output.
- (MID-45771) A Describe Table request was not returning the correct EPSG code (such as EPSG 3301) for a native TAB file that uses a specific Estonian Coordinate System.

## Installation

To install this product update you must have Spectrum™ Technology Platform release 2018.2 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](#) on [support.pb.com/spectrum](http://support.pb.com/spectrum).

### *Applying This Product Update to a Cluster*

To apply this product update to a cluster, install the product update to each node 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 Unix or Linux

**Note:** In this procedure, *SpectrumDirectory* refers to the directory where you have installed the Spectrum™ Technology Platform server.

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/server/app/deploy*
  - *SpectrumDirectory/server/app/types*
  - *SpectrumDirectory/server/modules/spatial/jackrabbit*
  - *SpectrumDirectory/server/modules/spatial/lib*
  - *SpectrumDirectory/server/modules/routing/lib*
4. Download the \*.zip file containing the patch. The product update announcement includes a link to download the software and Release Notes.
5. Extract the contents of the \*.zip file to a temporary location.
6. FTP the *cdq20182S21.tar* 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.
8. Untar the file using this command:
 

```
tar -xvf TemporaryDirectory/cdq20182S21.tar
```
9. Run the *SpectrumDirectory/server/bin/server.start* script to start the Spectrum™ Technology Platform server.

The amount of time it takes to restart the Spectrum™ Technology Platform server will depend on your installation.

## Installing on Windows

**Note:** In this procedure, *SpectrumFolder* refers to the folder where you have installed the Spectrum™ Technology Platform server.

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 these folders to a different location:
  - *SpectrumFolder\server\app\deploy*
  - *SpectrumFolder\server\app\types*
  - *SpectrumFolder\server\modules\spatial\jackrabbit*
  - *SpectrumFolder\server\modules\spatial\lib*
  - *SpectrumFolder\server\modules\routing\lib*
3. Download the ZIP file containing the patch. The product update announcement includes a link to download the software and Release Notes.

4. Extract the contents of the zip file to a temporary location.
5. Extract the resulting zip file (`cdq20182S21.zip`) to the *SpectrumFolder* where you installed Spectrum. For example, the default location is `C:\Program Files\Pitney Bowes\Spectrum`.

Choose to overwrite the existing files.

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. Start the Spectrum™ Technology Platform server.
  - To start the server, right-click the Spectrum™ Technology Platform icon in the Windows system tray and select **Start Spectrum™**.
  - Alternatively, you can use the Windows Services control panel to start the **Pitney Bowes Spectrum™ Technology Platform** service.

The amount of time it takes to restart the Spectrum™ Technology Platform server will depend on your installation.



3001 Summer Street  
Stamford CT 06926-0700  
USA

[www.pitneybowes.com](http://www.pitneybowes.com)