

Spectrum™ Technology Platform

Version 2019.1.0 S07

Release Notes

This document contains information about Spectrum™ Technology Platform 2019.1.0 S07. 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 2019.1 Spatial Module.

Is this update required? This product update is mandatory for Spatial module and Spectrum Spatial Analyst users only.

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What's New

This section describes new and changed features for this release.

Set Case Insensitivity for SQL Searches for the TAB file Data Provider

It is now possible to configure Spectrum Spatial to determine whether the TAB file data provider performs SQL searches in a case sensitive or case insensitive manner. Previously the default behavior of the Spectrum Spatial server was always case sensitive. The new setting is available in the Spectrum Management Console by selecting **Resources** and then **Spatial**. Expand **Java Properties** section and scroll down to the `search.tab.case-insensitive` setting, which is set to *false* by default. Set this to *true* to make TAB file searches case insensitive.

Note: If you do not see the `search.tab.case-insensitive` property in the Spectrum Management Console, then add it and set its value to *true*.

This option only applies to the TAB file data provider. For RDBMS data sources, configure the behavior of case insensitivity in the database itself. Note that this option will also affect searches performed by users in Spectrum Spatial™ Analyst. Until release 12.2, Spectrum Spatial™ Analyst forced searches to be case insensitive by converting all search text to lower case. In version 2018.2 and 2019.1, this was removed for performance reasons. From now, you can use this setting to configure how Spectrum Spatial, including Spectrum Spatial™ Analyst, behaves.

Note:

- Searches using "< >" (not equal), "=" (equal), `LIKE`, and `IN` operators are case insensitive when the property value is set to *true*.
- Searches using the `NOT` operator in conjunction with the `LIKE` and `IN` operators (such as `NOT IN` and `NOT LIKE`) are case sensitive regardless of the property value.
- Searches involving multiple search conditions using the `AND` and `OR` operators are case sensitive regardless of the property value.
- Searches using an aggregate function (such as `COUNT`, `SUM`, `AVG`, `MIN`, or `MAX`) with `GROUP BY` are case sensitive regardless of the property value.
- Searches involving more than one table through joins are case sensitive regardless of the property value.
- The behavior of the `InStr()` function is always case sensitive regardless of the property value.

Spectrum Spatial™ Manager

Now Configure the PB LI API Geosearch Service for Address Searches

When creating an external geocoder configuration in Spectrum Spatial™ Manager, you can configure the PB LI API Geosearch service for address searches in addition to the LI API geocode, which is already supported. LI API geosearch provides a more robust set of candidates for user search terms. When configuring LI API geosearch, administrators have the option to use it on its own or to use LI API geocode with it. When both are used, the address chosen by the user is sent to the LI API geocode, which returns an accurate building level geocode. If LI API geosearch is used, then depending on the result, the geocode may only be accurate to the street segment or address range level.

When configuring the Geosearch service, administrators (admin) can decide whether to use both the Geosearch and Geocode in combination (for accuracy, but this will use credits for both services when users make searches in Spectrum Spatial™ Analyst) or whether the accuracy of the Geosearch is sufficient. For information about the behavior of Spectrum Spatial™ Analyst, see Spectrum Spatial™ Analyst 2019.1.S08 patch release notes.

Set a Maximum Zoom Level when Creating External Tile Configurations

When creating external tile configurations in Spectrum Spatial™ Manager, it is now possible to set a maximum zoom level. To see where to set this in Spectrum Spatial™ Manager, click the **Project Properties** menu and then select **External Tile Configurations**. When the tile layer is rendered in Spectrum Spatial™ Analyst it will request tiles from the third-party service up to the maximum zoom level, and for zoom levels beyond that, it stretches the tiles that were retrieved for the maximum zoom level. This ensures tiles are shown at all levels for a project and not left blank. Previously, for most tile services a maximum zoom of 20 was set as the default and for via Europa tiles 15 was set as the default regardless of the actual zoom levels supported by the service.

Fixed Issues

This release contains the following Spectrum Spatial Module fixes:

- (SSS-1410) The "Changes to Creating a Spectrum Spatial™ Analyst Guest Role" topic in the *Spectrum Spatial Guide* has been updated to remove an unnecessary step.
- (SSS-1420) Spectrum Spatial assumes a lower-case TAB file extension, which affects performance when the TAB file extension is in upper case or mixed case.

Spectrum Spatial now checks for upper or lower case file extensions.

- (SSS-1429) The ViewTable reference in a Named Layer is lost when the Named Map, created using a NamedLayers referencing ViewTable, renders after a server restart (on the Spectrum Spatial™ Manager **Settings** tab).
- (SSS-1437) For Mapping SOAP requests, using a null value with IndividualValueTheme does not work.
- (SSS-1622) Case insensitive search is disabled in Spectrum Spatial for the TAB Data Provider.
See [What's New](#) on page 2.

Routing

This release contains the following routing fixes:

- (ROUT-7796) When adding routing databases in the Management Console in any locale other than English, the data sets do not display in the list so you cannot add them. This works for the English locale.
- (ROUT-7844) New Spectrum Spatial users with a newly added role are unable to get results for routing services.

Spectrum Spatial™ Manager

This release contains the following Spectrum Spatial™ Manager fixes:

- (CONN-43548) As a Spectrum Spatial administrator (spatial-admin) or sub-administrator (spatial-sub-admin), I want to set the maximum zoom for third-party tile layers.
See [What's New](#) on page 2.
- (CONN-43881) Dynamic elements added to and saved with a print template (such as lines, rectangle, and static text) are not shown after navigating away from a print template and navigating back to it again. They display only after reopening Spectrum Spatial™ Manager.
This fix corrects the issue when saving a print template on the Print Templates page in Spatial Manager (select **Project Properties** and click **Print Templates**).
- (CONN-44744) As a Spectrum Spatial administrator (spatial-admin) or sub-administrator (spatial-sub-admin), I want to configure auto-suggest in the GeoSearch LI API for Geocoding, to give users a comprehensive list of candidate addresses.
See [What's New](#) on page 2.
- (CONN-44900) Adding a watermark in Spectrum Spatial™ Manager was forcing the height and width shown on the user interface into a two to one (2:1) aspect ratio. This caused the watermark to stretch in Spectrum Spatial™ Analyst when not already in a (2:1) aspect ratio. Now the actual size of the watermark is shown and when adjusting either height or width the other value changes to respect the original aspect ratio of the watermark image.
- (CONN-44901) The thumbnail display in Spectrum Spatial™ Manager, which shows available watermarks, had a white background making it hard to see watermarks with white text on a transparent background.

The background of the thumbnail preview is now gray.

- (SSS-1609) The *Creating a New Functionality Profile* topic in the *Spectrum Spatial Guide* does not state how to add a watermark image to Spectrum Spatial™ Manager.

To make watermark images available to Spectrum Spatial™ Manager, copy them into the Spectrum Spatial™ Analyst customer configurations watermark folder. This folder is normally located here, `\SpectrumSpatialAnalyst\customerconfigurations\analyst\theme\images\watermark`. The supported image format is .gif, .png, .jpeg or .jpg. You can use watermark images up to 1024 * 1024 px in size.

Installation

To install this product update you must have Spectrum™ Technology Platform 2019.1.0 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](https://support.pb.com/spectrum) on 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 Windows

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

1. Ensure that all Spectrum applications are closed.
2. 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.
3. Back up this file to a different location:

`SpectrumFolder\server\deploy\spatial-19.1.car`

SpectrumFolder\server\modules\routing\lib

SpectrumFolder\server\modules\spatial\lib

SpectrumFolder\server\deploy\routingwebconsole.war

SpectrumFolder\server\deploy\SpatialServerManager.war

4. Click the link in the release announcement to download the ZIP file containing the product update.
You can download the software and release notes from the [2019.1.0 Updates](#) page.
5. Extract the contents of the resulting ZIP file (*cdq20191s07.zip*) to the folder where you have installed the Spectrum™ Technology Platform server (*SpectrumFolder*).
Choose to overwrite the existing files.
6. 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.

Installing on Unix or Linux

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

1. Ensure that all Spectrum applications are closed.
2. Stop the Spectrum™ Technology Platform server.
 - Source the *SpectrumDirectory/server/bin/setup* script.
 - Run the *SpectrumDirectory/server/bin/server.stop* script to stop the Spectrum™ Technology Platform server.

3. Back up these directories to a different location:

SpectrumFolder/server/deploy/spatial-19.1.car

SpectrumFolder/server/modules/routing/lib

SpectrumFolder/server/modules/spatial/lib

SpectrumFolder/server/deploy/routingwebconsole.war

```
SpectrumFolder/server/deploy/SpatialServerManager.war
```

4. Click the link in the release announcement to download the ZIP file containing the product update.

You can download the software and release notes from the [2019.1.0 Updates](#) page.

5. Extract the contents of the ZIP file to a temporary location.
6. FTP the `cdq20191s07.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 (*SpectrumDirectory*).
8. Untar the file using this command:

```
tar -xvf TemporaryDirectory/cdq20191s07.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.



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