precisely

Spectrum Technology Platform

Version 2019.1.0 S12

Release Notes

This document contains information about Spectrum Technology Platform 2019.1.0 S12. 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 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.

Contents:

What's New

This section describes new and changed features for this release.

Spectrum Spatial Manager

Select a database and country when editing or creating a new global geocoding configuration

While creating a new global geocoding configuration in Spectrum Spatial Manager, administrators can now select a database and a country from a drop-down list. Previously if multiple databases were available for global geocoding it was not possible to specify which one was to be used. A geocoding configuration cannot be saved without selecting a database and a country. If there are multiple countries in the database, you can select only one.

Use a specific geocoding database and country for global geocoding configuration

While creating a new global geocoding configuration, administrators can now select a Spectrum database where the global geocoder has more than one database available. Previously, Spectrum Spatial always used the default database.

As a result of this enhancement, when a Spectrum Spatial Analyst user searches for an address, ZIP code, or place name, the search results are fetched from the selected database and country only.

Choose a speed profile for the developer API Geozone service

While creating a new routing configuration for the **Precisely developer's API** Geozone service, administrators can now enable the **Historic traffic** option in Spectrum Spatial Manager. Previously, this option was only available for routing configurations that used the on-premise routing API.

In Spectrum Spatial Analyst users will be able to choose a historic speed profile (AM Peak, PM Peak, Off Peak, and Night) when creating drive time polygons using the LI API Geozone service.

Fixed Issues

This release contains the following Spectrum Spatial Module fixes:

- (SSS-2483) In the Feature Service, when searching view tables with string parameters the search was failing when the value supplied for the parameter only contained numeric characters (no alphabetic characters). The value was assumed to be numeric, despite the fact that the parameter is of type string, which caused a conversion failure.
- (SSS-3510) The Find Nearest data flow stage with the routing option was failing when the input point or search table data was not in degrees. This would generate a conversion point error in the log file.
- (SSS-3606) When inserting or updating records into a database using the Feature Service, integer values would convert to a short integer value. Integer values in the range of short (-32,768 to 32,767) would insert and update correctly but values beyond this range were incorrectly inserting and updating as a short integer value.
- (LISDK-247) The LISDK ShapeDataProvider creates QIX index files (if they do not exist, or are out of date) for shapefiles to help with performance. However, this process was not thread-safe so when multiple processes were requesting access to a shapefile it could corrupt the QIX file.

Routing

This release contains the following routing fixes:

- (ROUT-8245) The Java and .Net sample service clients (available from the Spectrum Technology Platform landing page) were missing examples for routing.

Spectrum Spatial Manager

This release contains the following Spectrum Spatial Manager fixes:

- (SSS-2925) In Spectrum Spatial Manager, creating a parameterized view table with a coordinate string that does not include an EPSG code was generating the message, "A problem occurred in the server. Please try again."
- (SSS-4764) The spatial-admin and spatial-sub-admin roles required additional permissions to list databases for geocoding when creating external geocoder configurations.

Web Feature Service

This release contains the following OGC specific fixes for the Web Feature service:

- (SSS-4205) WFS GetFeatureInfo was not returning the correct exception code when querying a layer that was marked as not queryable.
- (SSS-4298) WFS GetFeature was not returning the correct information to request the next feature.
- (SSS-4756) A WFS GetFeature request was returning an exception when the count was not specified.
- (SSS-4868) A WFS GetFeature request with a namespace parameter was failing.

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**.

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 **Spectrum Technology Platform** service.
3. Back up this file to a different location:

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

   `SpectrumFolder\server\deploy\SpatialServerManager.war`

   `SpectrumFolder\server\exports\jaxb-examples.zip`

   `SpectrumFolder\server\exports\dotnet-examples.zip`

   `SpectrumFolder\server\modules\spatial\lib`

   `SpectrumFolder\server\types\li-sdk-persistence-json-feature-1.12.2.jar`

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 (`cdq20191S12.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 **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/deploy/SpatialServerManager.war`

   `SpectrumFolder/server/exports/jaxb-examples.zip`

   `SpectrumFolder/server/exports/dotnet-examples.zip`

   `SpectrumFolder/server/modules/spatial/lib`

   `SpectrumFolder/server/types/li-sdk-persistence-json-feature-1.12.2.jar`
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 `cdq20191s12.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/cdq20191s12.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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