Spectrum™ Technology Platform
Version 12.1 S31

Release Notes

This document contains information about Spectrum™ Technology Platform 12.1 S31. 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 12.1 Location Intelligence Module.
Is this update required?	This product update is not mandatory.

Contents:

Fixed Issues

Location Intelligence Module

> **Note:** This update is dependent on Spectrum™ Technology Platform 12.1S01, 12.1S09, and 12.1 S22 updates.

- (MID-43353) Spectrum™ Technology Platform is able to map an LDAP role to a Spectrum role and assign it to a user as a dynamic role. However, these dynamically assigned roles were not getting used in spatial stages. With this product update (12.1 S31), Spectrum Spatial is able to recognize these dynamically assigned roles and apply access control lists (ACLs) accordingly when accessing spatial stages. To use this feature, you must modify the repository XML configuration manually and restart the server after applying the 12.1 S31 update (see the **Windows** or **Unix/Linux** instructions).

Installation

To install this product update you must have Spectrum™ Technology Platform 12.1 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 the platform, see the **Product Update Summary** 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 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 to a different location:

    SpectrumDirectory`/server/app/deploy/spatial-12.1.car`

4. Download the zip file containing the patch from **www.g1.com/support** and extract the contents to a temporary location.

5. FTP the `cdq1200S31.tar` file in binary mode to a temporary directory on the Spectrum™ Technology Platform machine.

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

7. Untar the file using this command:

    `tar -xvf `*TemporaryDirectory*`/cdq1200S31.tar`

8. To use the new ability to recognize dynamically assigned roles for LDAP (MID-43353), manually modify the Jackrabbit configuration file (located in *SpectrumDirectory*`/server/modules/spatial/jackrabbit/workspaces/default/workspace.xml`) by adding `<param name="checkRoles" value="true"` as shown below.

```
<!--
Spectrum ACL provider.
-->
 <WorkspaceSecurity>
  <AccessControlProvider class="com.mapinfo.repository.jackrabbit.acl

      .AccessControlProviderImpl">
    <param name="checkRoles" value="true"/>
  </AccessControlProvider>
 </WorkspaceSecurity>
```

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

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 to a different location:

   SpectrumFolder\server\app\deploy\spatial-12.1.car

3. Download the zip file containing the patch from **www.g1.com/support**.
4. Extract the contents of the zip file to a temporary location.
5. Extract the resulting zip file (cdq1200S31.zip) to the folder where you installed Spectrum. For example, C:\Program Files\Pitney Bowes\Spectrum.

   Choose to overwrite the existing files.

6. To use the new ability to recognize dynamically assigned roles for LDAP (MID-43353), manually modify the Jackrabbit configuration file (located in *SpectrumFolder*\server\modules\spatial\jackrabbit\workspaces\default\workspace.xml) by adding <param name="checkRoles" value="true" as shown below.

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<!--
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    <param name="checkRoles" value="true"/>
  </AccessControlProvider>
 </WorkspaceSecurity>
```

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.

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