

Perceptive SOAPBridge Connector

Installation and Setup Guide

Version: 1.0.x

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Date: June 2017

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What is SOAPBridge Connector?

Perceptive SOAPBridge Connector is a REST service that allows you to facilitate automated, back-end integration of your SOAP business application.

Prerequisites

You must have access to a working installation of the following products on your network before you install and use this connector.

- Perceptive Connect Runtime, version 1.3.x
- Java SE Runtime Environment, version 1.8 (32-bit or 64-bit)
- We recommend Google Chrome as the web browser

SOAPBridge requires the the sun packages to be available in order to run on an instance of Perceptive Connect Runtime. To make the sun packages accessible to SOAPBridge complete the following steps.

1. Navigate to the **conf** directory in the install directory of Perceptive Connect Runtime.
2. Modify **org.osgi.framework.bootdelegation** by adding ", sun.*" to the end of the list in the Felix settings.
3. Restart PCR.

Download and install SOAPBridge Connector

To download the connector and install it with the Perceptive Connect Runtime Web Console, complete the following tasks.

Note You must install the connector on the same computer as the Perceptive Connect Runtime service.

Download the files

To download the SOAPBridge Connector ZIP file, complete the following steps.

1. Go to www.lexmark.com and log in to the **Customer Portal**.
2. In the **Product Downloads** page, search for the **SOAPBridge Connector**.
3. Download the file to your computer. Your computer must have access to the Perceptive Connect Runtime Web Console, located at **http://<Perceptive Connect Runtime machine name>:<port>**.

Install the connector using the drag-and-drop feature in Perceptive Connect Runtime

To install the SOAPBridge Connector, complete the following steps.

1. In a browser, navigate to the Perceptive Connect Runtime Web Console URL in the format **http://<Perceptive Connect Runtime machine name or IP>:<port>**.
2. In the browser dialog box, enter the Web Console user name and password.
3. On the **Perceptive Connect Runtime Dashboard** page, select **Install a Connector**.
4. Locate the connector ZIP file **Download the files** section, and drag the ZIP file into the **DRAG FILES HERE** section of the **Upload new bundles** page.

Result In the **Pending** section, a new item appears with a label of **Installing: SOAPBridge Connector**.

5. To complete the install, click **Accept**.
6. After the installation is accepted, the **SOAPBridge Connector** item moves to the **Completed** section.
7. Navigate to the **Perceptive Connect Runtime Web Console**, scroll to the bottom, and then ensure the connector appears.

Install the connector manually using Perceptive Connect Runtime

To install the SOAPBridge Connector manually, complete the following steps.

1. In a browser, navigate to the Perceptive Connect Runtime Web Console URL in the format **http://<Perceptive Connect Runtime machine name or IP>:<port>/connect**.
2. In the browser dialog box, enter the Web Console user name and password.
3. On the **Perceptive Connect Runtime Dashboard** page, select **Open the Web Console**.
4. In **Perceptive Connect Runtime Web Console**, under **Perceptive Connect**, click **View Bundles**.
5. On the **Bundles** page, click **Install/Update** and complete the following substeps.
 1. In the **Upload/Install Bundles** dialog box, select the **Start Bundle** check box.
 2. Clear the **Refresh Packages** check box.
 3. Ensure **Start Level** remains at the default value.
6. To install the JAR files included in the connector ZIP file, complete the following substeps.
 1. Click **Choose File**, navigate to the **soapbrodge-endpoint-1.0.0.jar** file, and then click **Open**.
 2. Click **Install or Update**.
 3. Click **Choose File**, navigate to the **connect-rest-documentation-provider-0.3.1.jar** file, and then click **Open**.
 4. Click **Install or Update**.
7. Navigate to the **Perceptive Connect Runtime Web Console**, scroll to the bottom, and then ensure the connector appears.

Configure a remote service for SSL/TLS

To connect to a remote service setup for SSL/TLS, you must import the remote service certificate to the connector truststore. To import the certificate, complete the following steps.

1. Open a command window and navigate to the bin directory of your JRE installation.
2. Enter the following command.

```
keytool -import -v -trustcacerts -alias remoteSoapService <name-of-remote-service>
-file [path to remoteService.cer] -keystore ${JAVA_HOME}/jre/lib/security/cacerts
```

3. To complete the configuration, see **Appendix E: Configuring SSL** of the [Perceptive Connect Runtime Installation and Setup Guide](#).

View operations

Once you have installed the connector, you can view the list of operations from Swagger. To view the operations, complete the following steps.

1. Navigate to **http://<Perceptive Connect Runtime Machine name or IP>:<port>/rs/restdoc/doc/index.html**.
2. In **Swagger**, from the dropdown list, select **SOAPBridge Endpoint**.
3. Click **Expand Operations**.