

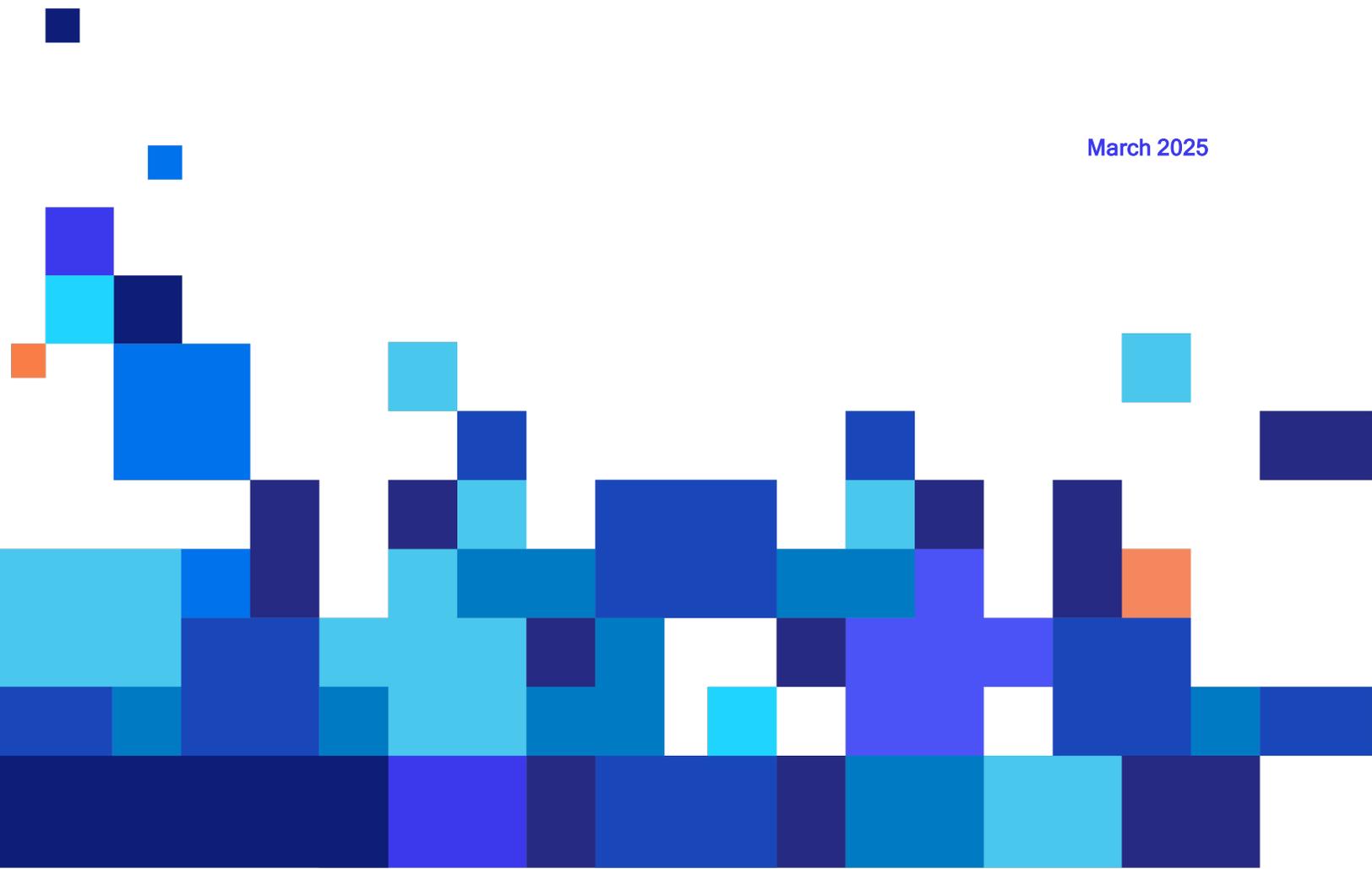
Loftware Integration for SAP® GLM+

Version 1.0

Installation and Configuration Guide

Rev A

March 2025

A decorative graphic at the bottom of the page consists of a grid of squares in various shades of blue, purple, and orange, arranged in a pattern that resembles a staircase or a series of steps.

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Loftware Integration for SAP® GLM+

Loftware Integration for SAP® GLM+ is a product agnostic, independent integration that is supported by both Loftware Cloud and Loftware Enterprise SP. This SAP integration is designed to receive print requests from SAP® Global Label Management (GLM) systems and to return job status. Loftware Integration for SAP® GLM+ provides SAP GLM+ users with an alternative to designing and printing labels with SAP® Windows Wordprocessor Integration (WWI). This integration allows SAP GLM+ users who require a robust enterprise labeling solution to gain access to the benefits and advantages offered by Loftware labeling solutions.

If you are using Loftware Enterprise SP as your labeling solution, Loftware Professional Services installs support for SAP GLM+ integration into your Loftware Enterprise SP environment. If you are using Loftware Cloud as your labeling solution, your integrator installs SAP GLM+ integration support into your Loftware Cloud environment. Your label designers create and maintain label templates in Loftware Cloud or Loftware Enterprise SP. Your SAP BASIS administrator installs and configures Loftware Integration for SAP GLM+ in your SAP environment.

Note: Your Loftware labeling solution should be installed and configured to support SAP GLM+ integration before you install Loftware Integration for SAP® GLM+ into your SAP environment.

Tip: In SAP GLM+, Loftware Integration for SAP GLM+ is represented as a Business Add-In (BAI) called the Loftware Business Add-In (BAI). The *Loftware Integration for SAP® GLM+ Installation and Configuration Guide* provides instructions for installing and configuring the Loftware BAI.

Tip: For more documentation about this product, see [Loftware Components: Loftware Integration for SAP GLM+](#).

Technical Requirements for Integration with SAP® Global Label Management (GLM)

Loftware Integration for SAP® GLM+ is required to integrate Loftware Cloud or Loftware Enterprise SP with SAP® Global Label Management (GLM).

If you are using Loftware Enterprise SP as your labeling solution, Loftware Professional Services installs support for SAP GLM+ integration into your Loftware Enterprise SP environment. If you are using Loftware Cloud as your labeling solution, your integrator installs SAP GLM+ integration support into your Loftware Cloud environment. Your label designers create and maintain label templates in Loftware Cloud or Loftware Enterprise SP. Your SAP BASIS administrator installs and configures Loftware Integration for SAP GLM+ in your SAP environment.

The following are the requirements for Loftware Integration for SAP® GLM+ and the requirements specific to whichever Loftware labeling solution you are integrating with SAP GLM+.

SAP® Global Label Management (GLM) Requirements

If you are integrating a Loftware labeling solution with SAP® Global Label Management (GLM) by using Loftware Integration for SAP GLM+, you must meet the following requirements.

 **Tip:** In SAP GLM+, Loftware Integration for SAP GLM+ is represented as a Business Add-In (BAI) called the Loftware Business Add-In (BAI). The *Loftware Integration for SAP® GLM+ Installation and Configuration Guide* provides instructions for installing and configuring the Loftware BAI.

Component	Requirement
SAP system	<p>One of the following platforms:</p> <ul style="list-style-type: none"> • SAP S/4HANA® Cloud Private Edition • SAP S/4HANA® (on-prem) • SAP ERP 6.0 with SAP EHP7 or EHP8 <p>Additionally, SAP GLM+ is required. GLM Class/Direct print is not supported.</p> <p>You must be an SAP Basis administrator to perform some of the tasks necessary to install and configure Loftware Integration for SAP® GLM+.</p>
SAP Business Add-In (BAI)	<p>The SAP BAI must be installed on your SAP system.</p> <p>SAP recommends that you install the SAP BAI by using the system update because this approach includes all components.</p> <p>Alternatively, you can follow the instructions in SAP Note 3426769 and SAP Note 3539872, but this approach omits some components such as documentation.</p>

Component	Requirement
Computer for previewing labels	A computer to be used to preview label output must have the following: <ul style="list-style-type: none"> • SAP GUI or SAP Fiori® • Acrobat Reader

Additionally, you must meet requirements specific to whichever of the following Loftware labeling solutions you are integrating with SAP GLM+.

- [Loftware Enterprise SP Requirements for Integration](#)
- [Loftware Cloud Requirements for Integration](#)

Loftware Enterprise SP Requirements for Integration

If integrating Loftware Enterprise SP with SAP® Global Label Management (GLM), the following are required.

Component	Requirement
Loftware license	<p>A Loftware Enterprise SP license that includes the following:</p> <ul style="list-style-type: none"> • Loftware Cloud Enterprise SP 5.1 or later • SAP Integration
Loftware Enterprise SP objects to support integration with SAP GLM+	<p>A Loftware Services Technical Consultant must create and install objects into a folder in your Loftware Enterprise SP environment named SAPGLM directly under the root folder. Loftware must create or be provided with the fully-qualified names of the following folders in your Loftware Enterprise SP environment. Using multiple folders for any of these purposes requires custom logic.</p> <ul style="list-style-type: none"> • A dedicated job target folder for print jobs related to SAP GLM+. This folder should be a subfolder of the Job Target folder, and it is recommended that it be named SAP-GLM. It should not be version controlled. • A dedicated folder for label templates to be used with SAP GLM+. This folder must be version controlled. • A folder for devices to be used with SAP GLM+. It is not required to be version controlled. It is recommended that this folder be dedicated for use with SAP GLM+. • A folder for images to be used with SAP GLM+. This is typically Images\User Images or a subfolder.

Loftware Cloud Requirements for Integration

If integrating Loftware Cloud (not including Loftware Cloud Enterprise SP) with SAP® Global Label Management (GLM), the following are required.

Component	Requirement
Loftware license	A Loftware Cloud license that includes the following: <ul style="list-style-type: none"> • Loftware Cloud Business edition, Loftware Cloud Compliance edition, or Loftware Cloud Enterprise edition, version 24.2 or later • SAP Integration
Loftware Automation	Loftware Automation must be installed. Additionally, Loftware will provide an Automation configuration file (.misx) and configuration text file (.txt) that support SAP GLM+. These configuration files should be installed before Loftware Integration for SAP GLM+ is installed.
Loftware Cloud subscription key	A Loftware Cloud subscription key, which should be created before Loftware Integration for SAP GLM+ is installed.

How to Obtain the Software

This section is provided to assist customers who are reviewing Loftware Integration for SAP® GLM+ documentation prior to obtaining the software.

If you are a new customer interested in Loftware Integration for SAP GLM+, [contact Loftware Sales](#).

If you are an existing customer using Loftware Cloud (not including Loftware Cloud Enterprise SP) and you are interested in using Loftware Integration for SAP GLM+, [contact Loftware Sales](#).

If you are an existing customer using Loftware Enterprise SP and you are interested in using Loftware Integration for SAP GLM+:

- **If your Loftware Enterprise SP license includes SAP integration**, then you have the necessary license. To have Loftware install support for SAP GLM+ integration into your Loftware Cloud Enterprise SP environment, [contact Loftware Sales](#). Additionally, refer to the email you received from Loftware about how to download the Loftware Integration for SAP GLM+ package to installed into your SAP environment.
- **If your Loftware Enterprise SP license does not include SAP integration** and you would like to add it, [contact Loftware Sales](#) about purchasing an add-on to your Loftware Enterprise SP license to include Loftware Integration for SAP GLM+.

- If you need to determine whether your Loftware Enterprise SP license includes **SAP integration**, you can use either of the following approaches to view your license information:
 - You can view your license information in Loftware Enterprise SP. In Loftware Enterprise SP, click **?** Help > **About**. In the **License** panel, the **SAP Integrations** entry indicates whether your license includes SAP integration.
 - You can view your license online. For information about how to sign in to the Loftware Licensing Server and view an existing license, see [Loftware Licensing Server Help](#).

Introduction to Loftware Integration for SAP® GLM+

Loftware Integration for SAP® GLM+ enables you to integrate the SAP component SAP® Global Label Management (GLM) with supported Loftware labeling solutions. This enables you to use a robust Loftware labeling solution rather than Microsoft Word to design label templates.

The SAP component SAP® Global Label Management (GLM) provides support for labeling processes and can be integrated into your company's standard business processes to print your logistics and chemical product labels. You can use SAP Global Label Management to enter all the requirements for your labels and the data that is used to determine and generate them. SAP Global Label Management uses functions from SAP components such as product safety (EHS) for hazard statements and hazard symbols (such as GHS) for dangerous goods management and material master.

With SAP® Windows Wordprocessor Integration (WWI) being phased out and the new Product Compliance not being available for a few years, Loftware labeling solutions provide an interim solution for SAP GLM+ users who want to switch to the new label design and printing platform. Loftware Integration for SAP® GLM+ offers the alternative of a modern label designer and seamless integration of label printing rather than continuing to use SAP WWI.

How Loftware Integration for SAP® GLM+ Works

To support integration, a Loftware labeling solution is configured as an SAP WWI server so the transition to Loftware Integration for SAP GLM+ is easy to set up. SAP has developed an extension to the SAP GLM+ environment called a Business Add-In (BAI) that allows the Loftware labeling solution to register and operate as an SAP WWI server. The definition of the label templates and label generation variants remains the same, but now label templates can be designed in **Designer** in Loftware Cloud or in **Label Design** in Loftware Cloud Enterprise SP rather than in Microsoft Word.

The Loftware Business Add-In (BAI) package contains objects that provide a framework for communicating from SAP GLM+ to the Loftware labeling solution. The Loftware BAI provides an extension for SAP GLM+ to use Loftware labeling solutions as if they were the SAP WWI server. Loftware labeling solutions register as an SAP WWI server and allow label preview and printing functionality. The Loftware labeling solution is fully integrated with the SAP GLM+ print request process so you can use all standard functions just as you would with SAP WWI servers.

Exclusive Loftware Namespace

Loftware Integration for SAP GLM+ establishes `/LFTW/`, an exclusive namespace for SAP objects that enable communication between your SAP environment and your Loftware labeling solution. This namespace includes the development class `/LFTW/LS`.

This exclusive namespace ensures code independence from the SAP core system or any custom development projects in other namespaces in your SAP deployment. That provides the following benefits:

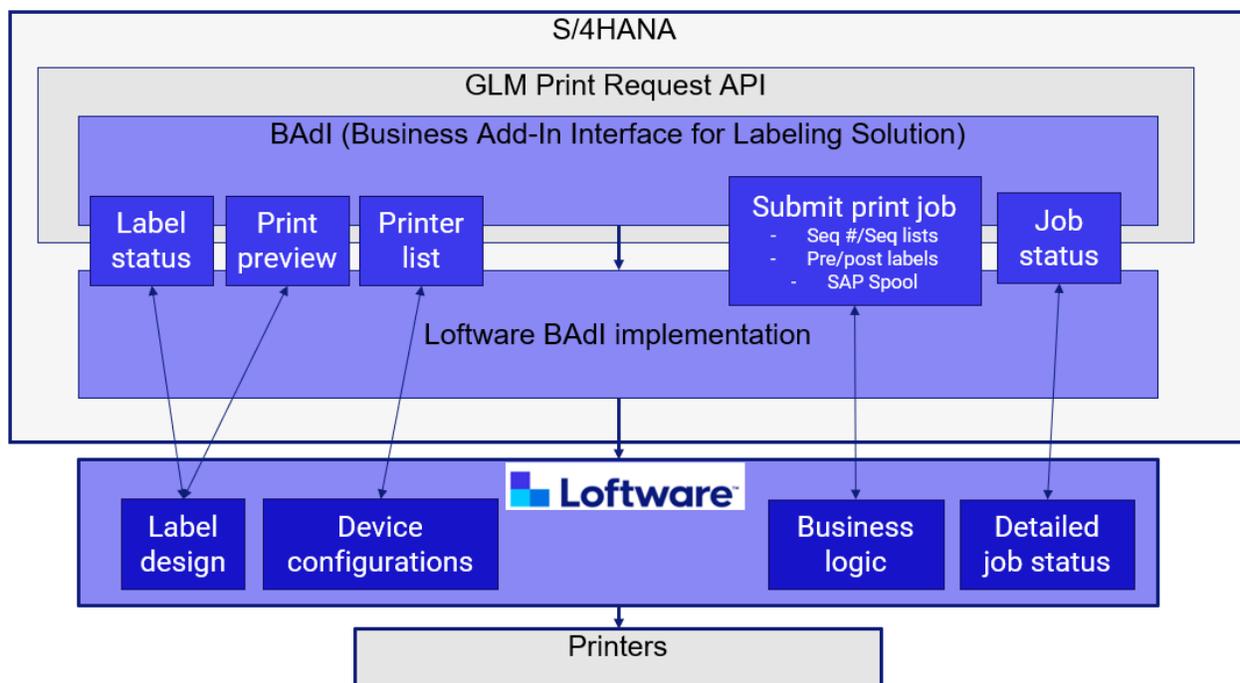
- Eliminates the potential for naming conflicts between Loftware custom-developed SAP objects and standard SAP objects.
- Ensures that Loftware objects are not subject to change if an SAP patch is applied or an SAP upgrade is undertaken.

- Prevents unauthorized modification of distributed objects that were built in the unique /LFTW/ namespace.

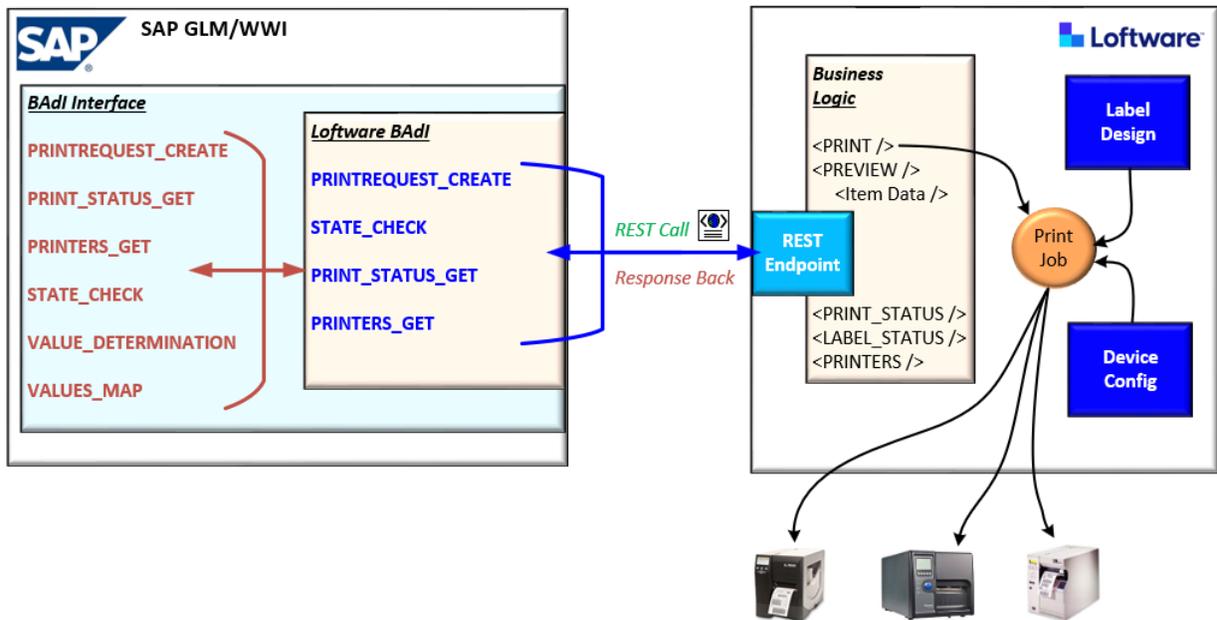
Architecture

Loftware Integration for SAP® GLM+ supports tasks including the following:

- Retrieving label template status, such as whether the label template is approved and published
- Providing a print preview of a label
- Retrieving the list of printers (devices) from a Loftware labeling solution
- Submitting label print requests and printing labels
- Retrieving job status for individual print requests



Loftware Integration for SAP® GLM+ uses SAP GLM methods available through the SAP GLM Business Add-In (BAI) interface to support those tasks.



Installing and Configuring Loftware Integration for SAP® GLM+

To install and configure Loftware Integration for SAP® GLM+, ensure that you are prepared with the necessary items and then use the following procedures. You must be an SAP BASIS administrator to perform these tasks.

 **Before You Begin:** Your Loftware labeling solution should be installed and configured to support SAP GLM+ integration before you install Loftware Integration for SAP® GLM+ into your SAP environment.

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Preparing for Installation

 **Before You Begin:** Your Loftware labeling solution should be installed and configured to support SAP GLM+ integration before you install Loftware Integration for SAP® GLM+ into your SAP environment.

You will require the following information or items while installing and configuring Loftware Integration for SAP® GLM+.

If using with Loftware Enterprise SP, you must obtain the following from a Loftware Enterprise SP administrator:

- Loftware Application Server host name and port to use when accessing your instance of Loftware Enterprise SP
- SSL/TLS certificate for your instance of Loftware Cloud Enterprise SP
- Name of each label template to be used with SAP GLM+ integration, excluding secondary label templates such as those for PRE and POST labels

If using with Loftware Cloud (not including Loftware Cloud Enterprise SP), you must obtain the following from a Loftware Cloud administrator:

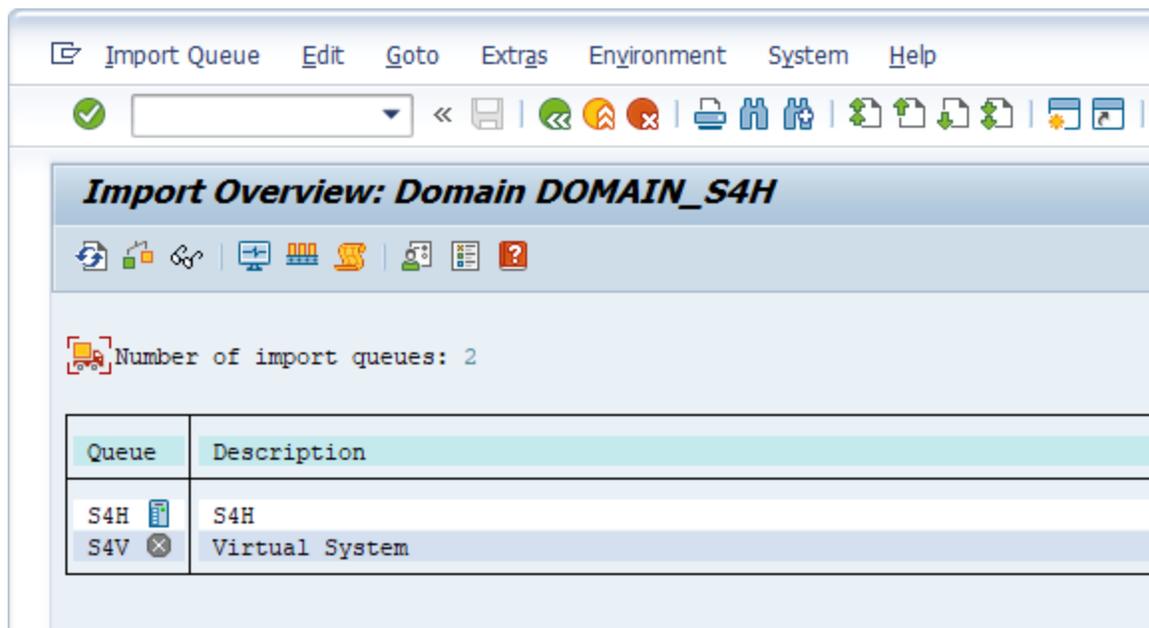
- Loftware Cloud subscription key
- SSL/TLS certificate for Loftware Cloud
- Name of each label template to be used with SAP GLM+ integration, excluding secondary label templates such as those for PRE and POST labels

Import the Loftware Business Add-In Transport Request

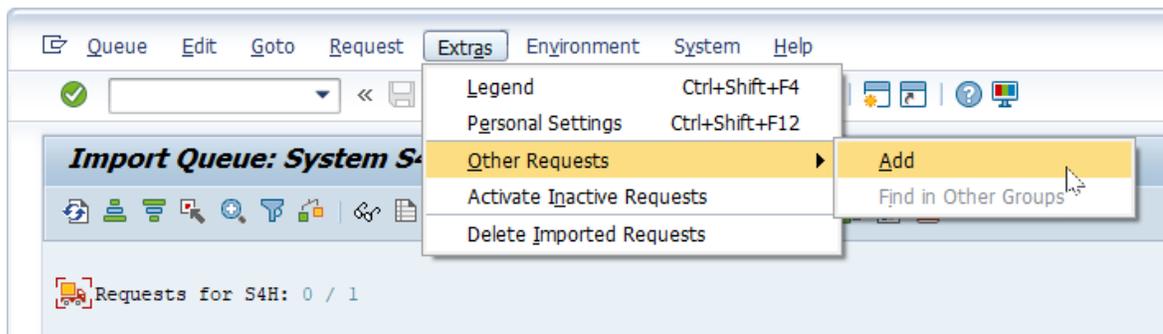
Note: You must be an SAP BASIS administrator to perform this procedure.

To import the Loftware Business Add-In (BAI) transport request, do the following.

1. Extract the **.zip** file that you obtained from Loftware.
2. Copy each transport package file into the appropriate folder on your SAP system.
 - a. Copy the **R*.S4H** file into the **/usr/sap/trans/data** folder.
 - b. Copy the **K*.S4H** file into the **/usr/sap/trans/cofiles** folder.
3. In SAP GUI, run the transaction **STMS**.
4. Click **Import Overview** .
5. In the **Import Overview** screen, double-click the import queue of the target system. In the following example, the import queue of the target system is **S4H**.



- In the menu bar, click **Extras > Other Requests > Add**.



- For **Transp. Request**, enter the transport request number.

Tip: You can click **Search Help** and search for the transport request in the list.

- Click **Continue** .
- In the **Add Transport Request** screen, click **Yes**. The request is added to the import queue.
- Select the request in the list.
- Click **Import Request** .
- In the **Import Transport Request** screen, for **Target Client** enter the client number of the client in which to install the transport package.
- If you are importing the transport request to an SAP ECC system, do the following:
 - Click the **Options** tab.
 - On the **Options** tab, select the **Ignore Invalid Component Version** check box.

Tip: For additional information, see SAP Knowledge Base article 16719189.

14. If you have previously imported the Loftware BAdI and are upgrading it to a new version, do the following:
 - a. Click the **Options** tab.
 - b. On the **Options** tab, select the **Overwrite Originals** check box.
 - c. If you are importing the Loftware BAdI to an SAP S/4HANA system, select the **Ignore Invalid Component Version** check box.
15. Click **Continue**  to open the **Start import** window.
16. In the **Start import** window, click **Yes** to confirm that you want to import.
17. Wait for the import to complete. This may take several minutes. If the import is successful, a checkmark  is displayed in the **Status** column.

If you are using Loftware Cloud (not including Loftware Cloud Enterprise SP) as your labeling solution, continue to [Add a Subscription Key \(Loftware Cloud\)](#).

Otherwise, continue to [Import Loftware Labeling Solution SSL/TLS Certificate](#).

Add a Subscription Key (Loftware Cloud)

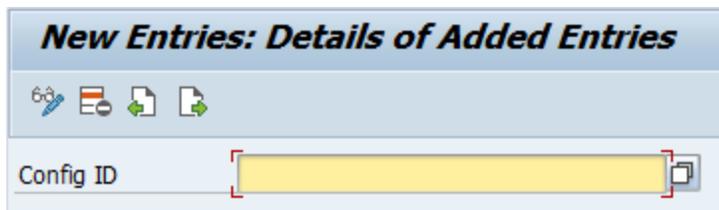
- i Applicable only if using Loftware Cloud (not including Loftware Cloud Enterprise SP) as your labeling solution. Otherwise, continue to [Import Loftware Labeling Solution SSL/TLS Certificate](#).

The Loftware Business Add-In (BAI) uses your organization's Loftware Cloud subscription key to ensure authentication with Loftware Cloud when print requests are received. In your SAP environment, you must add your organization's subscription key to the Loftware BAI configuration table. The Loftware BAI then uses the subscription key in the custom HTTP header of each request to the Loftware Cloud endpoint to ensure authentication.

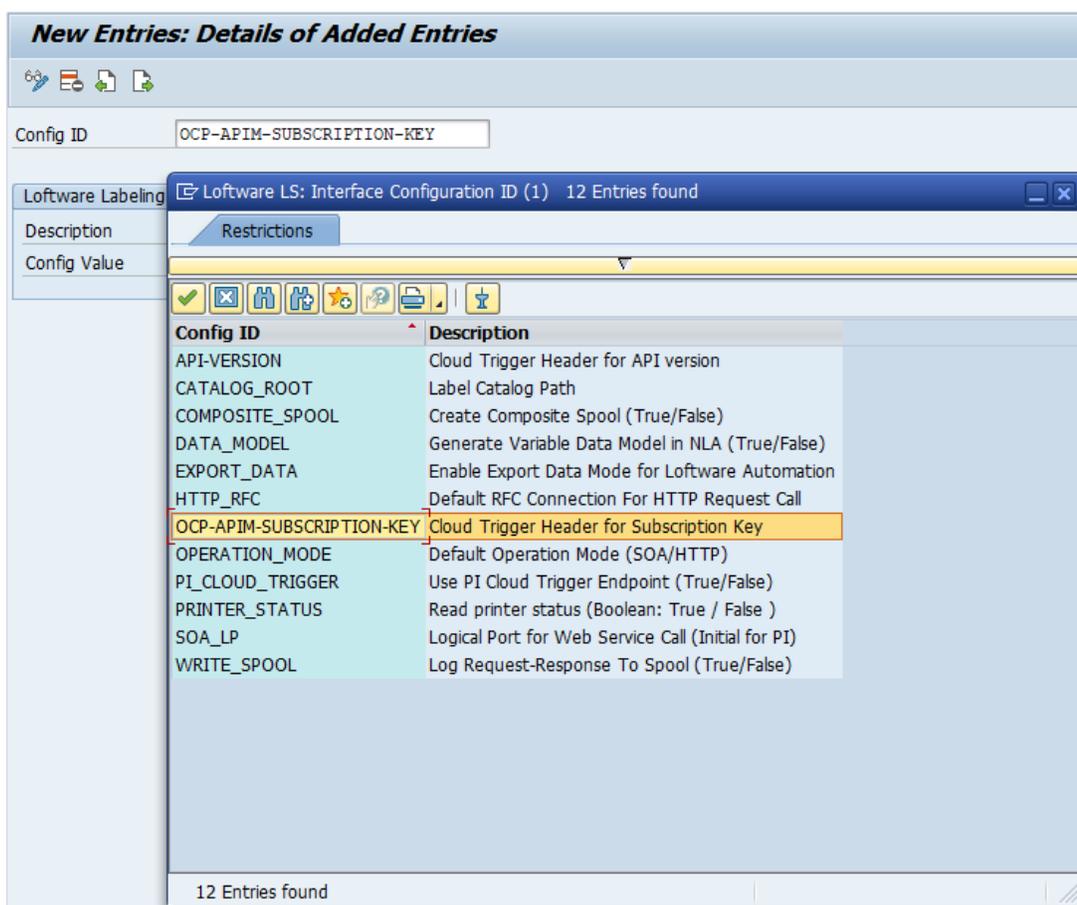
Perform the following steps to add your organization's subscription key to the Loftware BAI configuration table.

1. In **SAP GUI**, run the transaction `/N/LFTW/LS_IF_CTRL`.
2. In the toolbar, click **Change -> Display** .
3. In the toolbar, click **New Entries**.

4. In the **New Entries** screen, perform the following steps.
 - a. For **Config ID**, click the button to open the **Software LS: Interface Configuration ID** window and display a list of Config IDs.



- b. In the list of **Config IDs**, select **OCP-APIM-SUBSCRIPTION-KEY** (Cloud Trigger Header for Subscription Key).



- c. For **Config Value**, enter the value of the primary or secondary subscription

key that you received from your Loftware Cloud administrator.

d. Click **Save**.

5. If you are prompted for the customizing request, create a new request or reuse the existing one, then click **Continue** .

You have finished specifying the subscription key for the Loftware BAdI to use when authenticating requests to Loftware Cloud.

Continue to [Import Loftware Labeling Solution SSL/TLS Certificate](#).

Import Loftware Labeling Solution SSL/TLS Certificate

The Loftware Integration for SAP GLM+ endpoint uses an SSL/TLS certificate for encrypted communication. Before SAP can communicate with the labeling solution, you must import the SSL/TLS certificate for the Loftware labeling solution into your SAP Trust Manager.

i Note: You must have a copy of the SSL/TLS certificate for your instance of the Loftware labeling solution to perform this procedure. If you do not have this, contact a labeling solution administrator for assistance.

To import the certificate in SAP and activate it, do the following.

1. In **SAP GUI**, run the transaction code **STRUSTSSO2** to open the **Trust Manager for Single Sign-On with Logon Ticket: Display** screen.
2. In the **Trust Manager for Single Sign-On with Logon Ticket: Display** screen, expand the **SSL Client SSL Client (Standard)** option and double-click the application server to which to apply the certificate.
3. In the toolbar, click **Display <-> Change** .

- In the **Certificate** section, click **Import certificate** .

Trust Manager for Single Sign-On with Logon Ticket: Display

Trust own root certificate

Certificate List

Owner	Valid from	Valid to
CN=VeriSign Class 3 Public Primary Certification Authority - G5, OU="(c) 2006 VeriSign, Inc. - F...	11/08/2006	07/16/2036
CN=*.loftwaredevelopment.com	10/20/2024	11/18/2025
CN=Webdispatcher SSL client SSL Client (WD), OU=S4H, O=SAP Trust Community, C=DE	12/01/2023	12/02/2025
CN=S4H SSL client SSL Client Standard (ABAP), OU=S4H, O=SAP Trust Community, C=DE	12/01/2023	12/02/2025

Verification PSE Password

Certificate

Subject

Subject (Alt.)

Issuer

Serial Number (Hex.)

Serial Number (Dec.)

Valid From

Algorithm

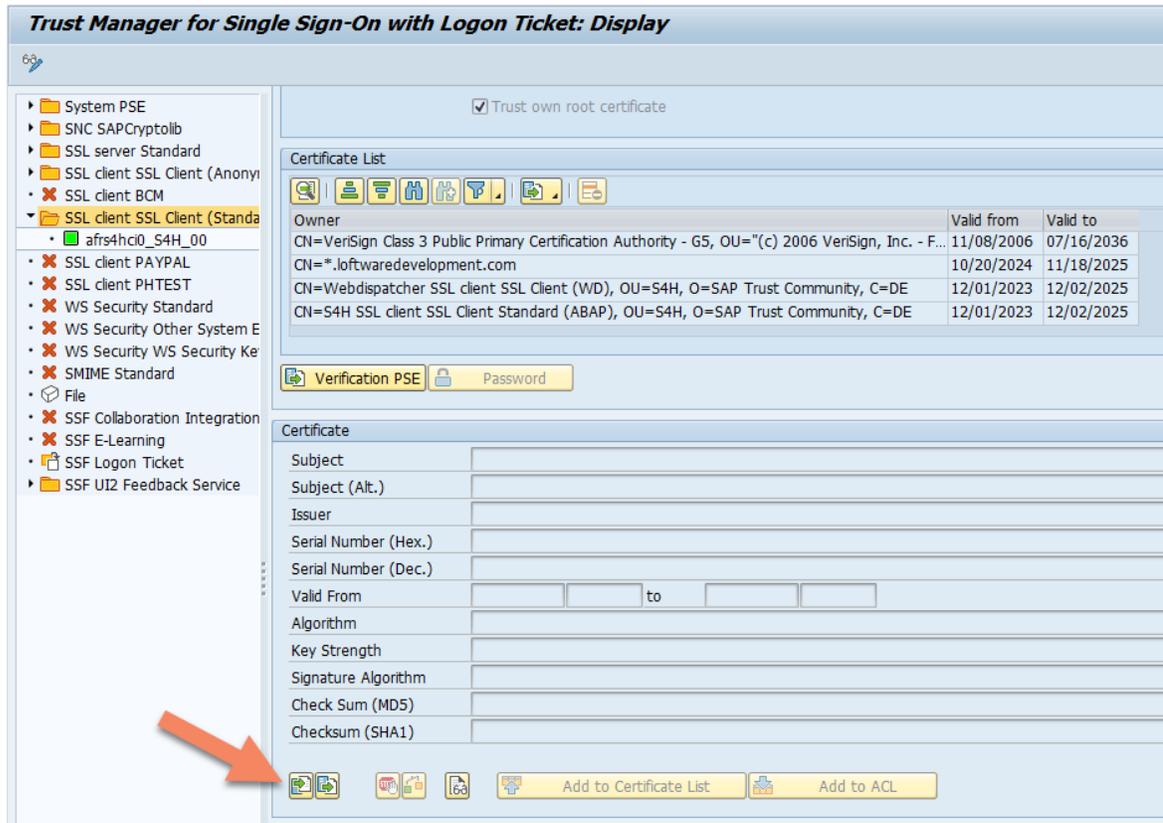
Key Strength

Signature Algorithm

Check Sum (MD5)

Checksum (SHA1)

Add to Certificate List Add to ACL



- Select the certificate for your Software labeling solution and finish importing the certificate.
- In the **Certificate** section, click **Add to Certificate List**.
- Click **Save** .

Continue to [Configure the Software Labeling Solution Endpoint \(RFC\)](#).

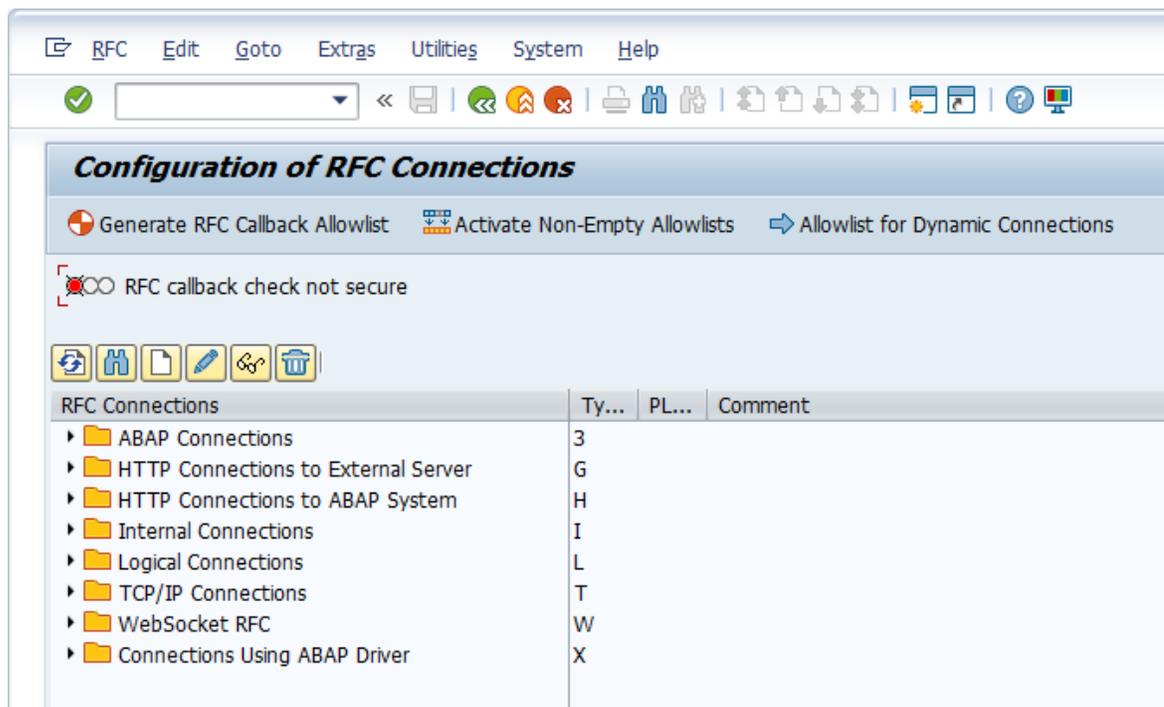
Configure the Loftware Labeling Solution Endpoint (RFC)

The Loftware Business Add-In (BAI) communicates with the Loftware labeling solution by using the HTTP REST transfer. You must configure the RFC communication (RFC type G).

Note: If you are using Loftware Cloud Enterprise SP as your labeling solution, you must have the host name and port used to access your instance of Loftware Cloud Enterprise SP. If you do not have these, contact a labeling solution administrator for assistance.

To configure RFC communication, do the following.

1. In **SAP GUI**, run the transaction **SM59** to open the **Configuration of RFC Connections** screen.
2. In the **Configuration of RFC Connections** screen, click **Create** .



3. For **RFC Destination**, enter the name of your destination.

 **Tip:** The RFC destination name must not include spaces. This name is used to reference the target Loftware labeling solution endpoint, so it is recommended that you use a descriptive name.

4. For **Connection Type**, enter **G** (HTTP Connection to External Server).
5. In the fields in the **Description** section, enter comments describing the purpose of this RFC destination.

RFC Destination GLM_SP

Connection Test 

RFC Destination

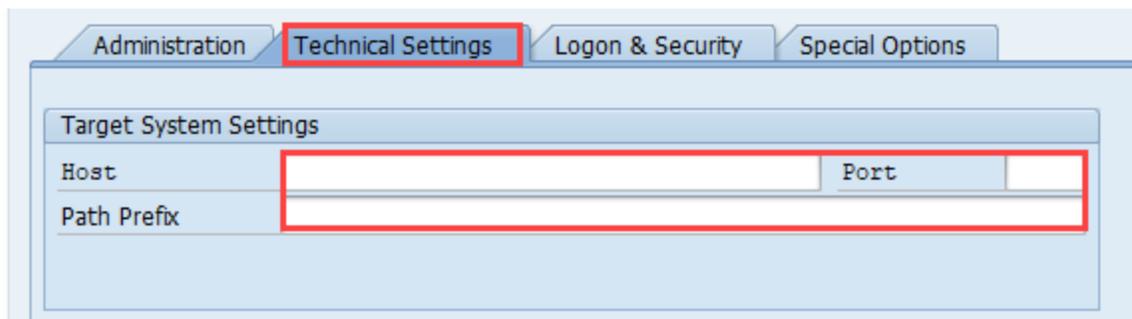
Connection Type HTTP Connection to External Server Description

Description

Description 1	<fill in description>
Description 2	<input type="text"/>
Description 3	<input type="text"/>

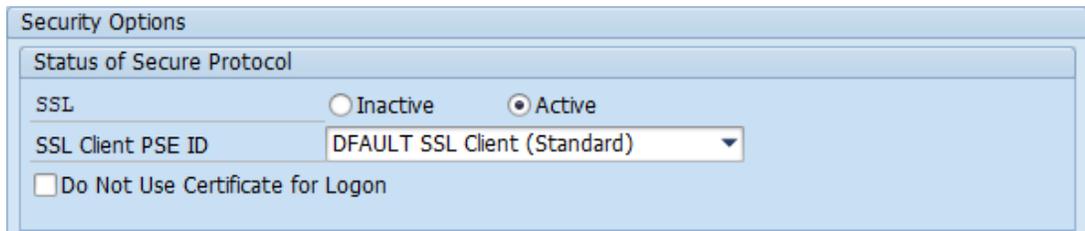
6. Click the **Technical Settings** tab.

- If you are using Loftware Cloud Enterprise SP as your labeling solution, do the following.
 - a. For **Host**, enter the Loftware Application Server host name used to access Loftware Cloud Enterprise SP.
 - b. For **Port**, enter port **443**.
 - c. For **Path Prefix**, enter one of the following.
 - If using direct communication to the labeling solution:
/spectrum-server/dynamic/sap-glm-integration
 - If using a BTP proxy:
/Loftware/spectrum-server/dynamic/sap-glm-integration
- If you are using Loftware Cloud as your labeling solution, do the following.
 - a. For **Host**, enter **labelcloudapi.onnicelabel.com**.
 - b. For **Port**, enter **443**.
 - c. For **Path Prefix**, enter **/Trigger/v1/CloudTrigger/sap-glm-integration**.



The screenshot shows a web-based configuration interface with four tabs: Administration, Technical Settings (highlighted with a red border), Logon & Security, and Special Options. Below the tabs is a section titled 'Target System Settings' containing three input fields: 'Host', 'Port', and 'Path Prefix'. Each of these three fields is also highlighted with a red border.

7. Click the **Logon & Security** tab.
 - a. In the **Security Options** section, for **SSL** select **Active**.



The screenshot shows a dialog box titled "Security Options". Inside, there is a section "Status of Secure Protocol". Under this section, there are three items: "SSL" with radio buttons for "Inactive" and "Active" (where "Active" is selected), "SSL Client PSE ID" with a dropdown menu showing "DEFAULT SSL Client (Standard)", and a checkbox labeled "Do Not Use Certificate for Logon" which is currently unchecked.

- b. For **SSL Client PSE ID**, select the client to which you imported the SSL/TLS certificate for your Software labeling solution.
8. Click **Save** .
9. In the toolbar, click **Connection Test**.

 **Tip:** If an error is displayed, see [Troubleshooting Software Integration for SAP GLM+](#) for more information.

 **Tip:** If you need to update the HTTP (RFC) connection, run transaction SM59 again, select your RFC connection in the **HTTP Connections to External Server** list and click **Change**  to edit the connection.

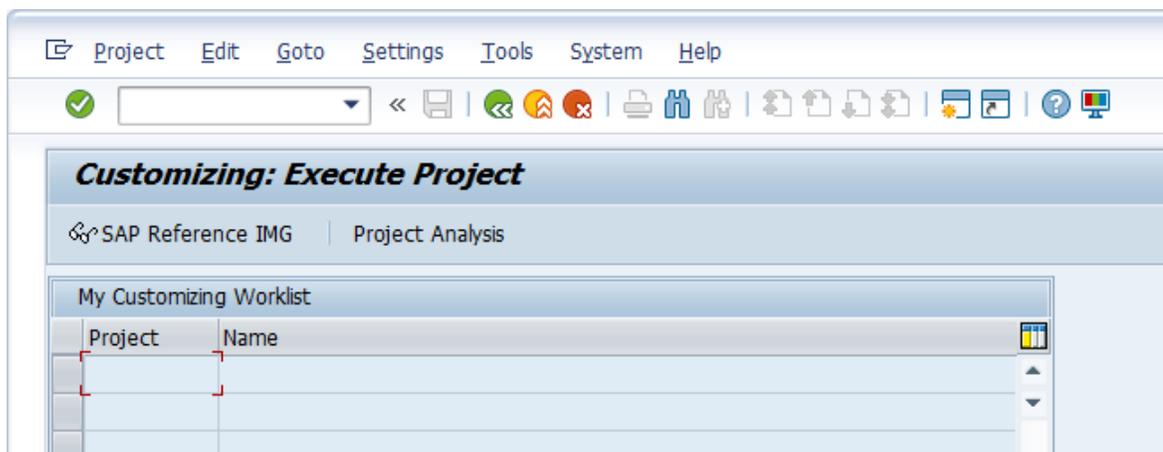
Continue to [Add a WWI Server for Software Integration for SAP GLM+](#).

Add a WWI Server for Loftware Integration for SAP GLM+

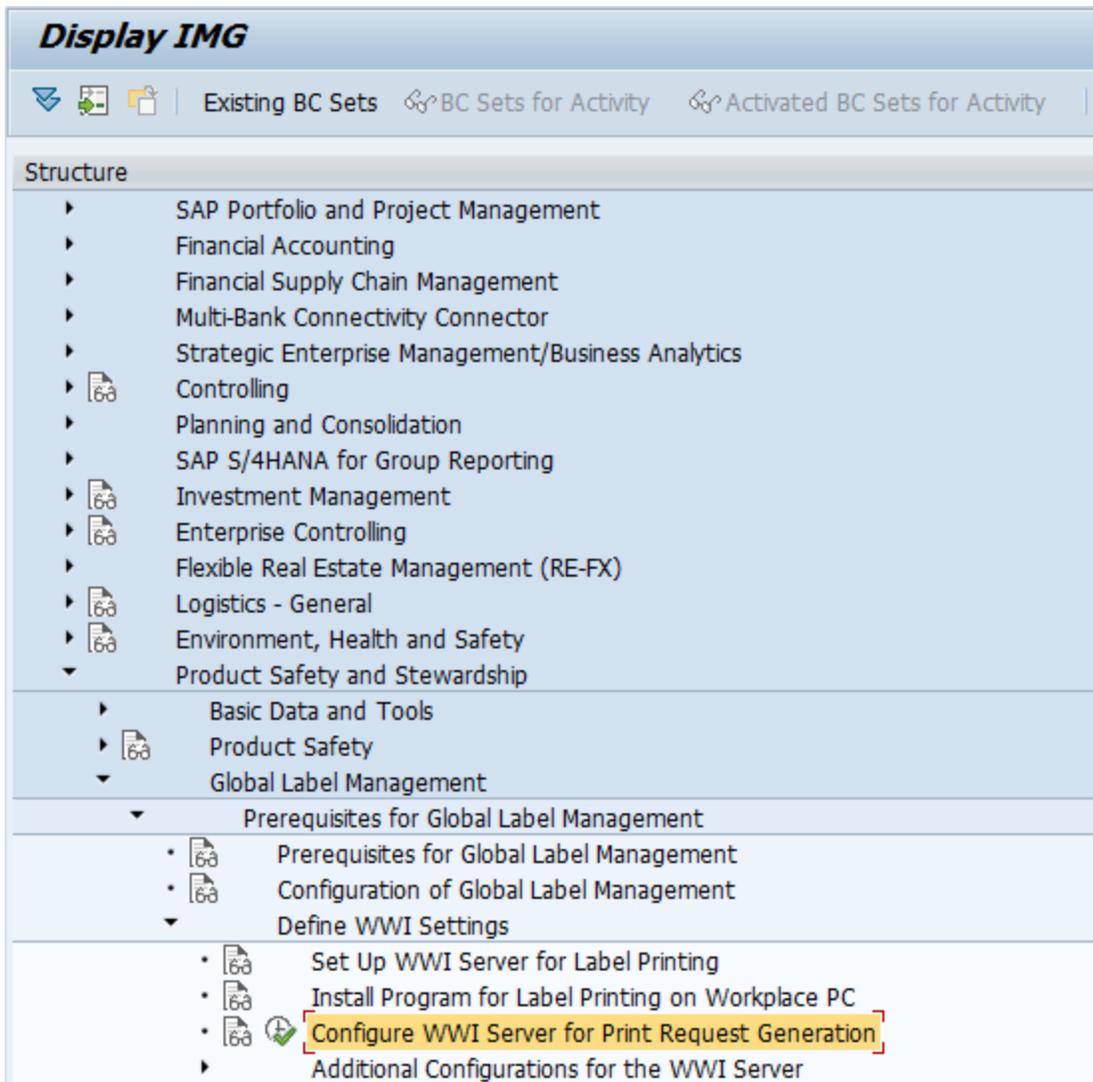
You must add an SAP WWI server for Loftware Integration for SAP GLM+.

To add an SAP WWI server for Loftware Integration for SAP GLM+, do the following.

1. In **SAP GUI**, run transaction code **SPRO** to open the **Customizing: Execute Project** screen.
2. In the toolbar of the **Customizing: Execute Project** screen, click **SAP Reference IMG**.

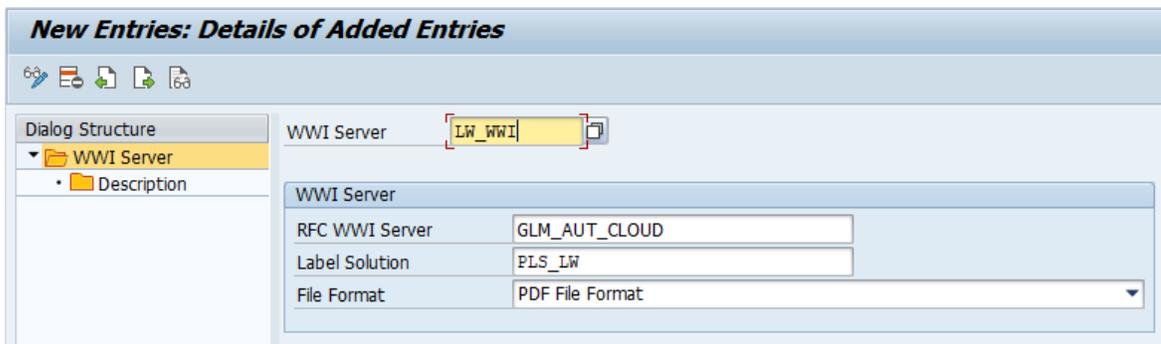


3. In the **Display IMG** screen, navigate to **Product Safety and Stewardship > Global Label Management > Prerequisites for Global Label Management > Define WWI Settings > Configure WWI Server for Print Request Generation**.



4. In the **Display IMG** screen, click  next to **Configure WWI Server for Print Request Generation**.
5. In the toolbar of the **Change View** screen, click **New Entries**.

6. In the **New Entries** screen, perform the following steps.
 - a. For **WWI Server**, enter a name for the SAP WWI server that you are creating for Loftware Integration for SAP GLM+.
 - b. For **RFC WWI Server**, select the name of RFC destination that you created in [Configure the Loftware Labeling Solution Endpoint \(RFC\)](#).
 - c. For **Label Solution**, enter **PLS_LW**.
 - d. For **File Format**, select **PDF File Format**.
 - e. Click **Save**.



New Entries: Details of Added Entries

Dialog Structure

- WWI Server
 - Description

WWI Server

WWI Server	
RFC WWI Server	<input type="text" value="GLM_AUT_CLOUD"/>
Label Solution	<input type="text" value="PLS_LW"/>
File Format	<input type="text" value="PDF File Format"/>

i **Note:** If you are prompted for the customizing request, create a new request (or reuse the existing one), and then click **Continue** .

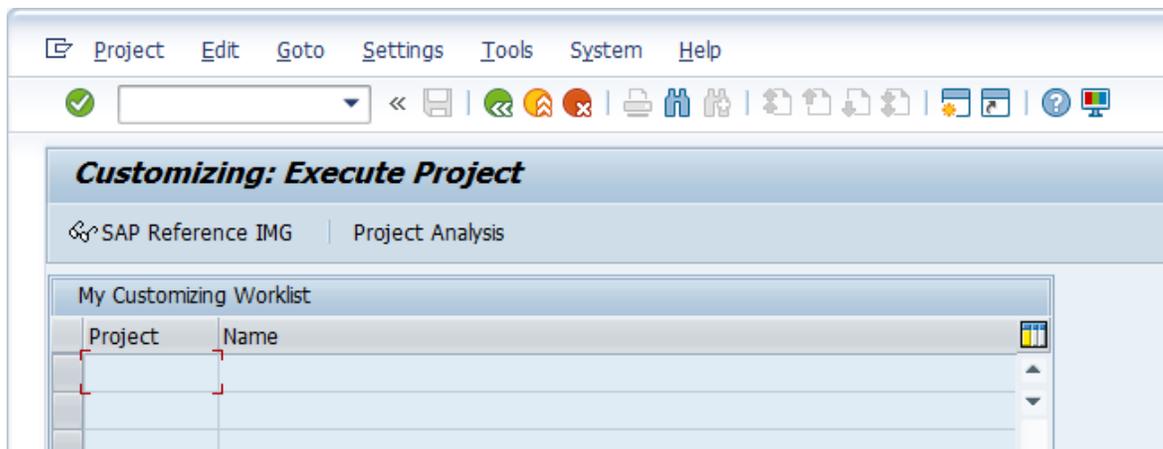
Continue to [Add a WWI Print Station for Loftware Integration for SAP GLM+](#).

Add a WWI Print Station for Loftware Integration for SAP GLM+

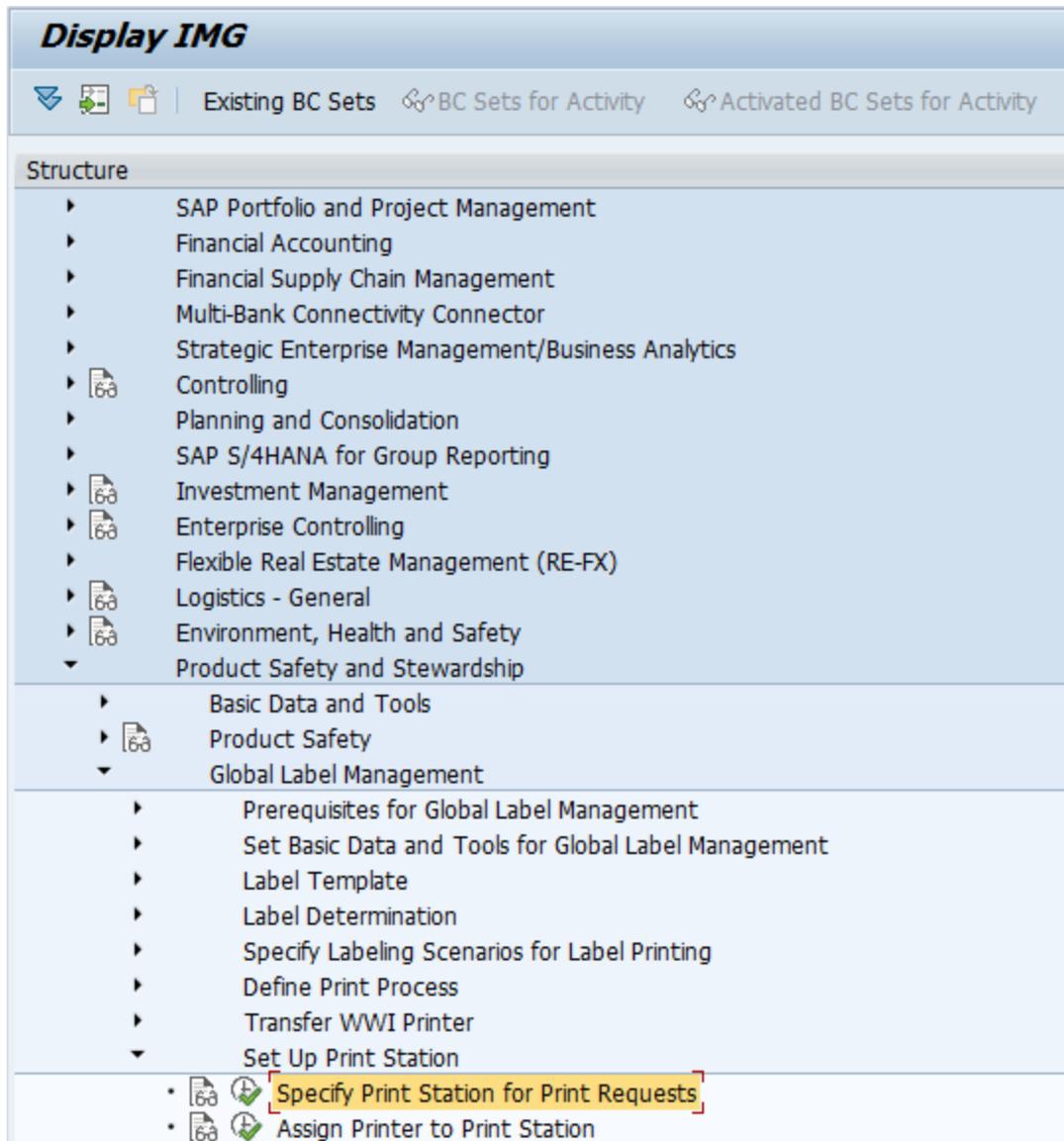
You must add an SAP WWI print station for Loftware Integration for SAP GLM+.

To add an SAP WWI print station for Loftware Integration for SAP GLM+, do the following.

1. In **SAP GUI**, run transaction code **SPRO** to open the **Customizing: Execute Project** screen.
2. In the toolbar of the **Customizing: Execute Project** screen, click **SAP Reference IMG**.

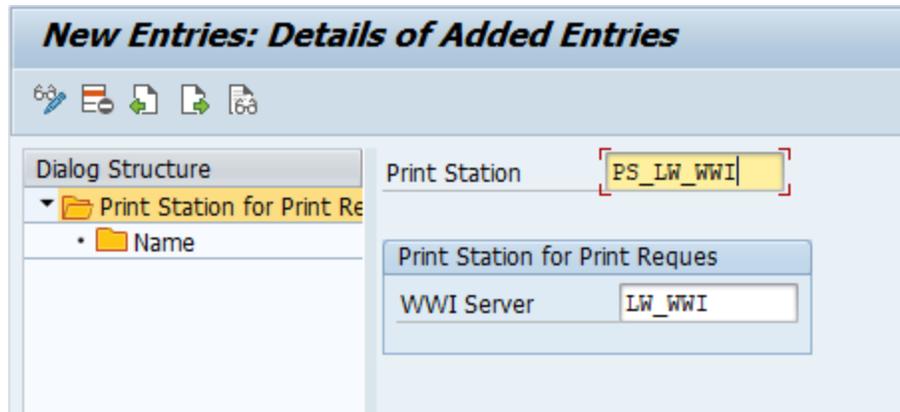


3. In the **Display IMG** screen, navigate to **Product Safety and Stewardship > Global Label Management > Set Up Print Station > Specify Print Station for Print Requests**.



4. In the **Display IMG** screen, click  next to **Specify Print Station for Print Requests**.
5. In the toolbar of the **Change View** screen, click **New Entries**.

6. In the **New Entries** screen, perform the following steps.
 - a. For **Print Station**, enter a name your WWI print station for Loftware Integration for SAP GLM+.
 - b. For **WWI Server**, select the WWI server you configured for Loftware Integration for SAP GLM+ in [Add a WWI Server for Loftware Integration for SAP GLM+](#).



- c. Click **Save**.

Continue to [Select and Activate Printers \(Devices\)](#).

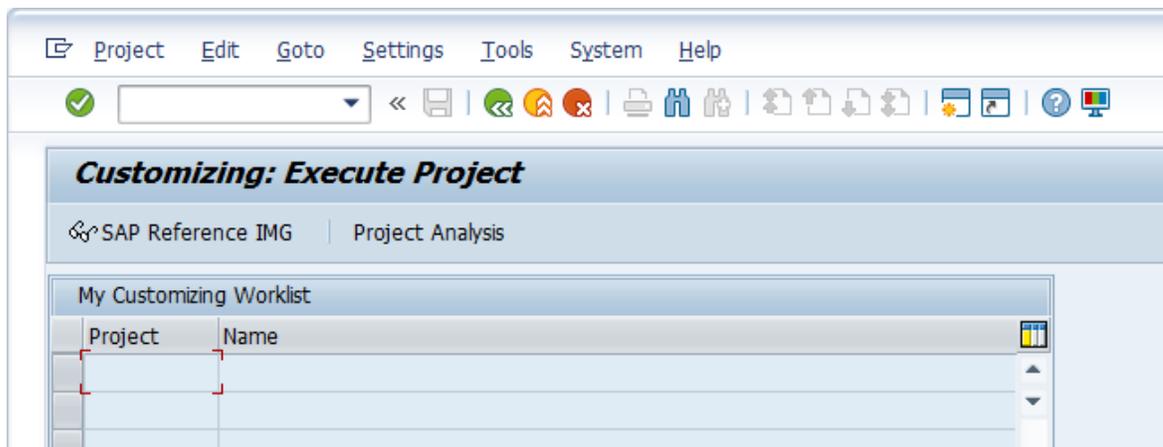
Select and Activate Printers (Devices)

You must select and activate printers (devices) to be used with your Loftware labeling solution.

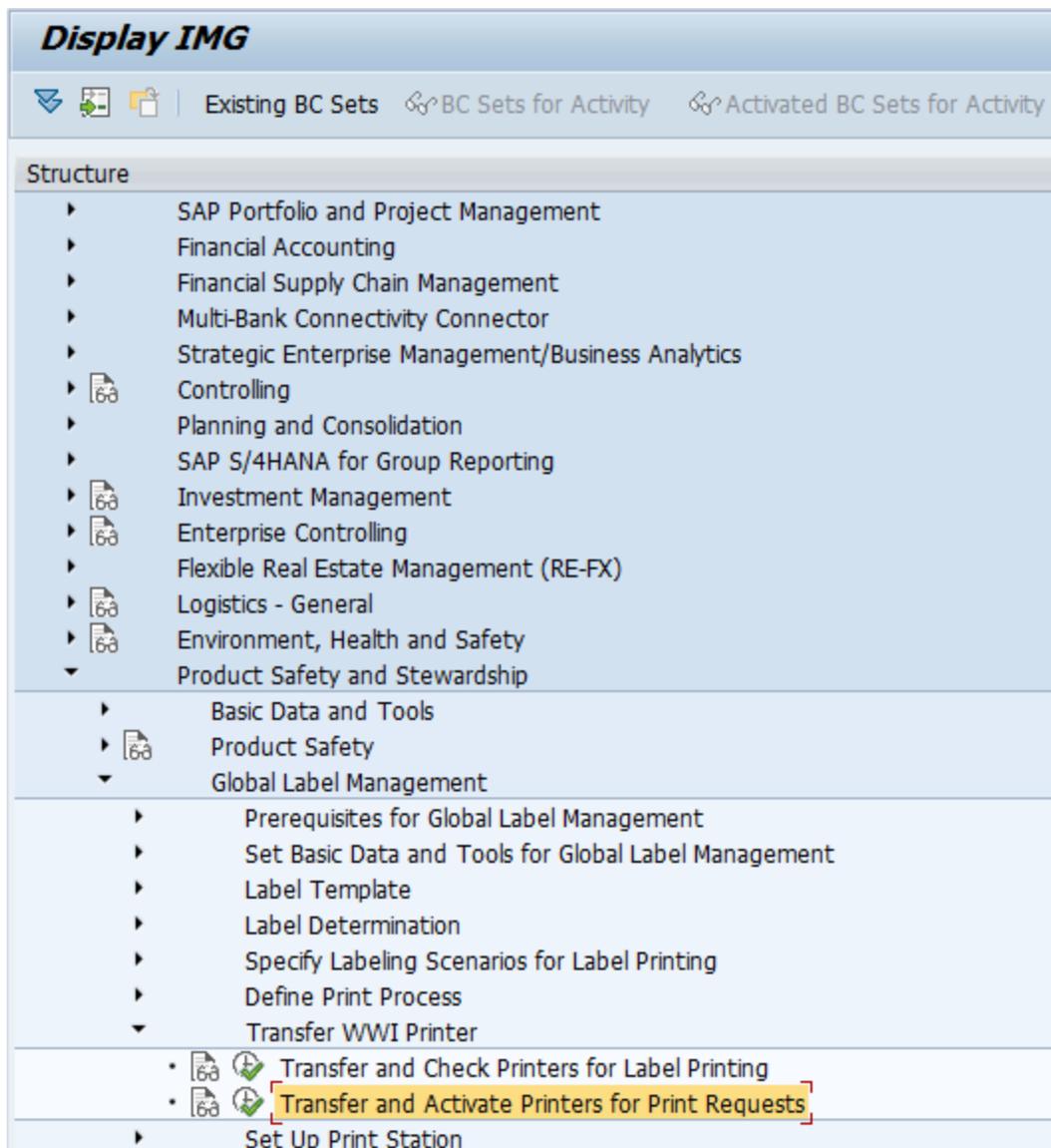
Note: If additional printers are configured in your Loftware labeling solution later or if the names of printers are changed, you must repeat this task to incorporate the changes to your SAP environment.

To select and activate printers to be used with your labeling solution, do the following.

1. In **SAP GUI**, run transaction code **SPRO** to open the **Customizing: Execute Project** screen.
2. In the toolbar of the **Customizing: Execute Project** screen, click **SAP Reference IMG**.

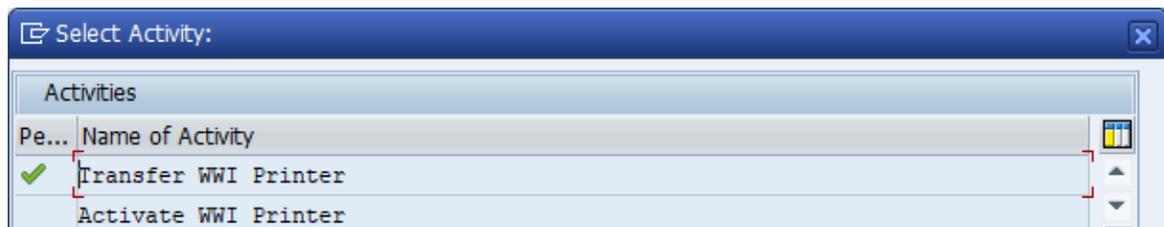


3. In the **Display IMG** screen, navigate to **Product Safety and Stewardship > Global Label Management > Transfer WWI Printer > Transfer and Activate Printers for Print Requests**.

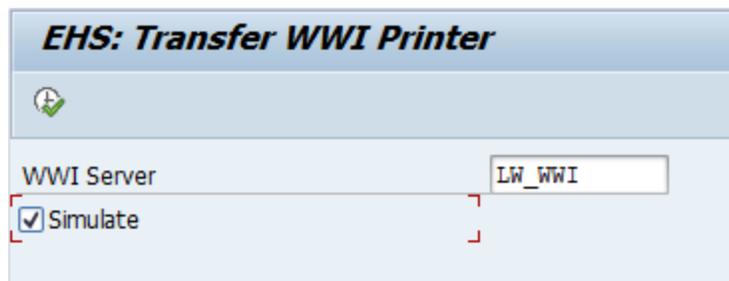


4. In the **Display IMG** screen, click next to **Transfer and Activate Printers for Print Requests**.

5. In the **Select Activity** window, double-click **Transfer WWI Printer**.



6. In the **EHS: Transfer WWI Printer** screen, perform the following steps.
 - a. For **WWI Server**, enter the name of the WWI server that you configured to support Loftware Integration for SAP GLM+.
 - b. If you want to test the result, select the **Simulate** check box.
 - c. Click  to run the program. If it is successful, the list of printers is displayed as returned from your Loftware labeling solution.



- d. If you selected **Simulate**, clear the check box and run the program again to save the retrieved list of printers.
- e. Activate the printers that you want to use with your Loftware labeling solution.

You have selected and activated printers to be used with your Loftware labeling solution.

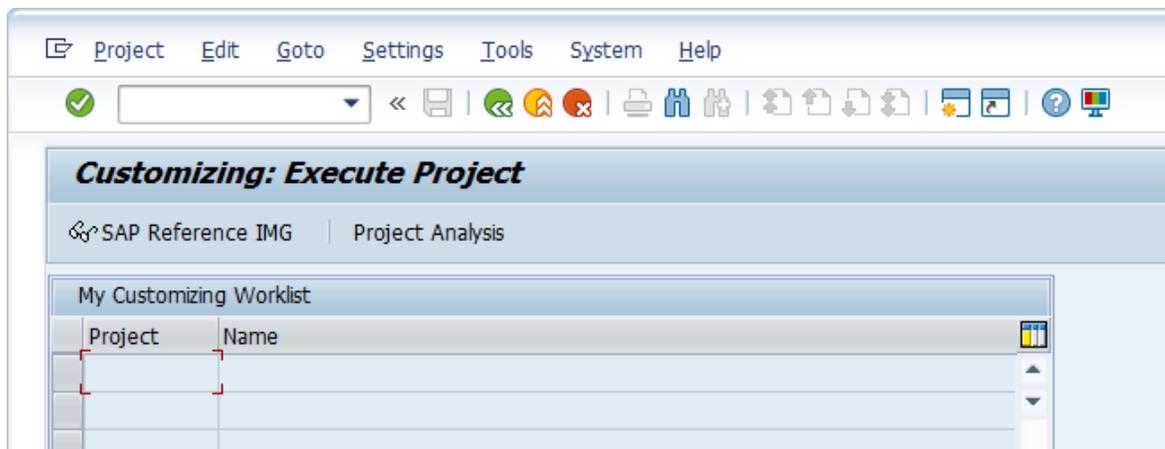
Continue to [Assign a Printer to a Print Station](#).

Assign a Printer to a Print Station

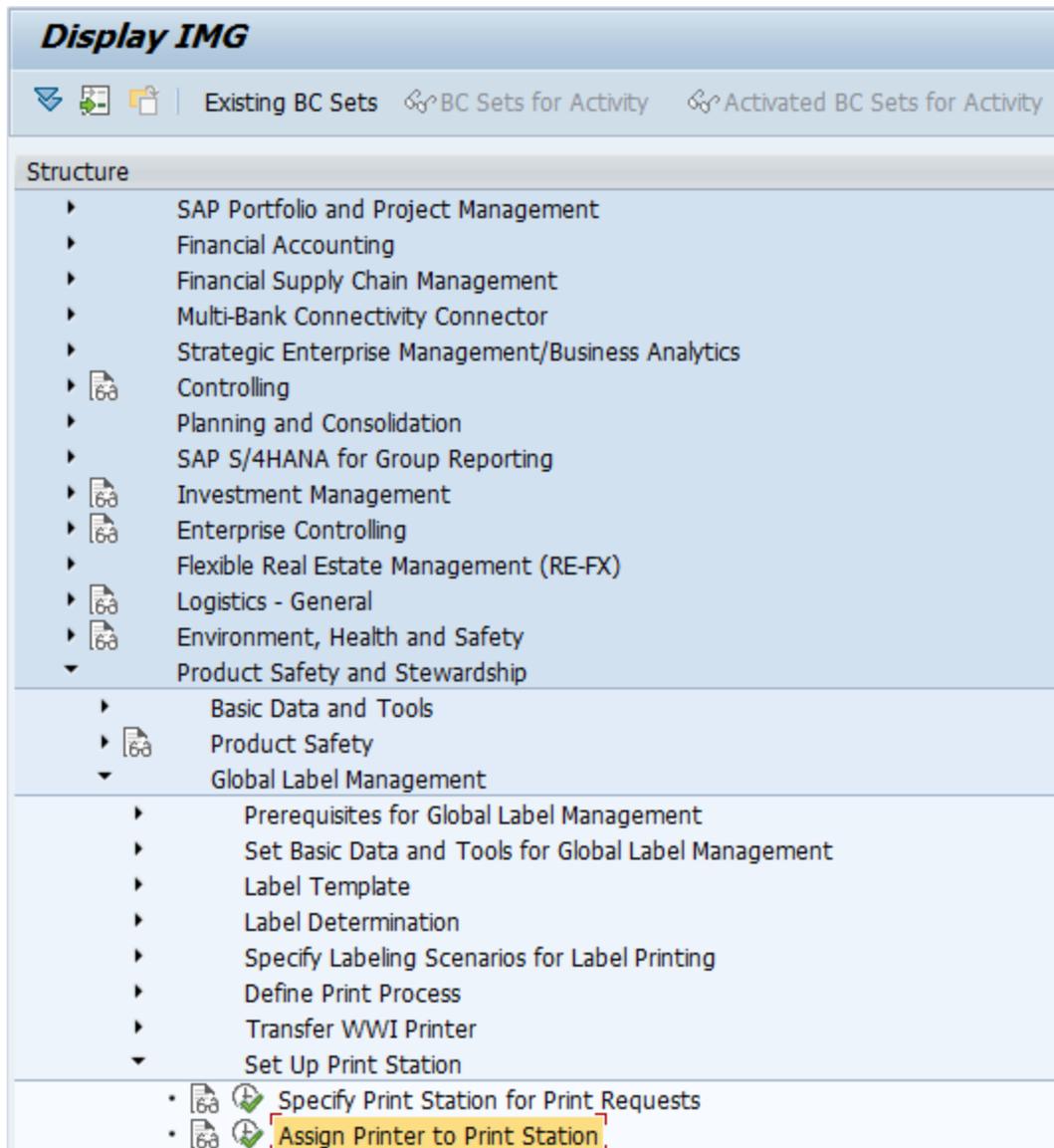
You must assign each printer (device) that you have activated for use with your Loftware labeling solution to a print station.

To assign a printer to a print station, do the following.

1. In **SAP GUI**, run transaction code **SPRO** to open the **Customizing: Execute Project** screen.
2. In the toolbar of the **Customizing: Execute Project** screen, click **SAP Reference IMG**.



3. In the **Display IMG** screen, navigate to **Product Safety and Stewardship > Global Label Management > Set Up Print Station > Assign Printer to Print Station**.



4. In the **Display IMG** screen, click next to **Assign Printer to Print Station**.
5. In the toolbar of the **Change View** screen, click **New Entries**.

6. In the **New Entries** screen, perform the following steps.
 - a. For **Print Station**, select your print station from the list.
 - b. For **Printer**, enter in the name of your printer.
 - c. For **WWI Printer**, select the printer from the list.
 - d. Click **Save**.

Continue to [Configure Generation Variant for Use with Loftware Integration for SAP GLM+](#).

Configure Generation Variant for Use with Loftware Integration for SAP GLM+

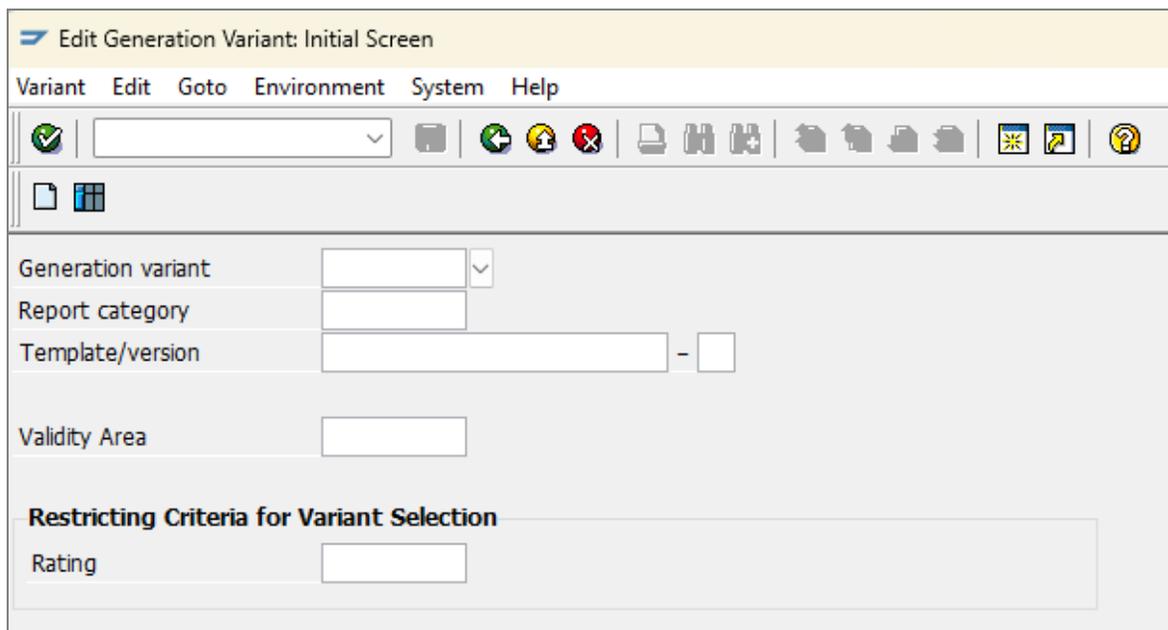
You must configure the SAP GLM+ Generation Variant associated with each label template that is used with Loftware Integration for SAP GLM+ to print labels.

The Generation Variant must be configured to refer to the following to support integration:

- The **Label Solution** defined for the WWI Server configured to support Loftware Integration for SAP GLM+
- The label template designed in the Loftware labeling solution to support SAP GLM+

To configure the Generation Variant for use with Loftware Integration for SAP GLM+, do the following.

1. In **SAP GUI**, run transaction code **CG2B** to open the **Edit Generation Variant** screen.
2. In the toolbar of the **Edit Generation Variant: Initial Screen**, click **Grid View**  to display the **Hit List**.



The screenshot shows the SAP GUI interface for the 'Edit Generation Variant: Initial Screen' transaction. The window title is 'Edit Generation Variant: Initial Screen'. The menu bar includes 'Variant', 'Edit', 'Goto', 'Environment', 'System', and 'Help'. The toolbar contains various icons, including a grid view icon. The main area contains several input fields: 'Generation variant' (dropdown), 'Report category' (text), 'Template/version' (text with a minus sign and a small box), 'Validity Area' (text), and a section titled 'Restricting Criteria for Variant Selection' with a 'Rating' field.

- In the **Edit Generation Variant: Hit List** screen, select the row for a SAP GLM+ label to be used with Loftware Integration for SAP GLM+, and in the toolbar click **Application Objects**.

The screenshot shows the 'Edit Generation Variant: Hit List' screen with 7 hits. The table below is a representation of the data shown in the screenshot.

Gen variant/	RGV desc.	Validity Area	Val.Area Desc.	Report cat.	Report category desc.	Document	Vs
GLM		REG_WORLD	World	LB_PRIM	Primary Container Label	GLM-01-PRODUCT	04
PS-LABEL		REG_WORLD	World	LB_PRIM	Primary Container Label	PS-LABEL-PRODUCT01	02
PS-LABEL2		REG_WORLD	World	LB_OVPCK	Overpack Label	PS-LABEL-PRODUCT01	03
Z_LL_EU		REG_EU	European Union	LB_PRIMTR	Primary Label w. Transp. Data	PS-LABEL-SIPRO	00
Z_LL_EU_LW		REG_EU	European Union	LB_PRIMTR	Primary Label w. Transp. Data	PS-LABEL-SIPRO	00
ZAR		REG_WORLD	World	LB_PRIM	Primary Container Label	Z_AR_TEST	00
ZLB_TEST	Test Label SBA	REG_WORLD	World	LB_PRIM	Primary Container Label	ZLB_GHS_US_01	00

4. In the **Edit Generation Variant: Application Objects** screen, edit the object key for each of the following report applications.
 - a. For the **LABEL_SOL** report application, change the value of the **Object Key** to **PLS_LW**, the name of the **Label Solution** that you entered when configuring a WWI Server for use with Loftware Integration for SAP GLM+ in [Add a WWI Server for Loftware Integration for SAP GLM+](#).
 - b. For the **LABEL_ID** report application, change the value of the **Object Key** to the name of the label template as it is defined in the Loftware labeling solution.

Edit Generation Variant: Application Objects

69 | < | > | [Icons] | Rating/Validity

Generation variant:

Status check:

Report application	Report Application Desc.	Object key
LABELSTOCK	Label Stock	A4P297X210MM
MATMASTER	Material Master	
SUBMASTER	Specification Master	
LABEL_ID	M Partnervorlage	PS-LABEL-SIPRO
LABEL_SOL	GLM Labeling Solution	PLS_LW

5. If you are configuring more than one label template for use with Loftware Integration for SAP GLM+, repeat this procedure for each label template.

Installation and configuration of Loftware Integration for SAP® GLM+ is complete.

Using Loftware Integration for SAP GLM+

You can submit a print request to be processed using your Loftware labeling solution and view the status of print jobs.

Submit a Print Request	46
View Print Job Status	48

 **Tip:** If you are using Loftware Enterprise SP as your labeling solution, Loftware Enterprise SP users can view print request status in Loftware Enterprise SP. For more information, see [Loftware Enterprise SP User Guide \(Help\)](#).

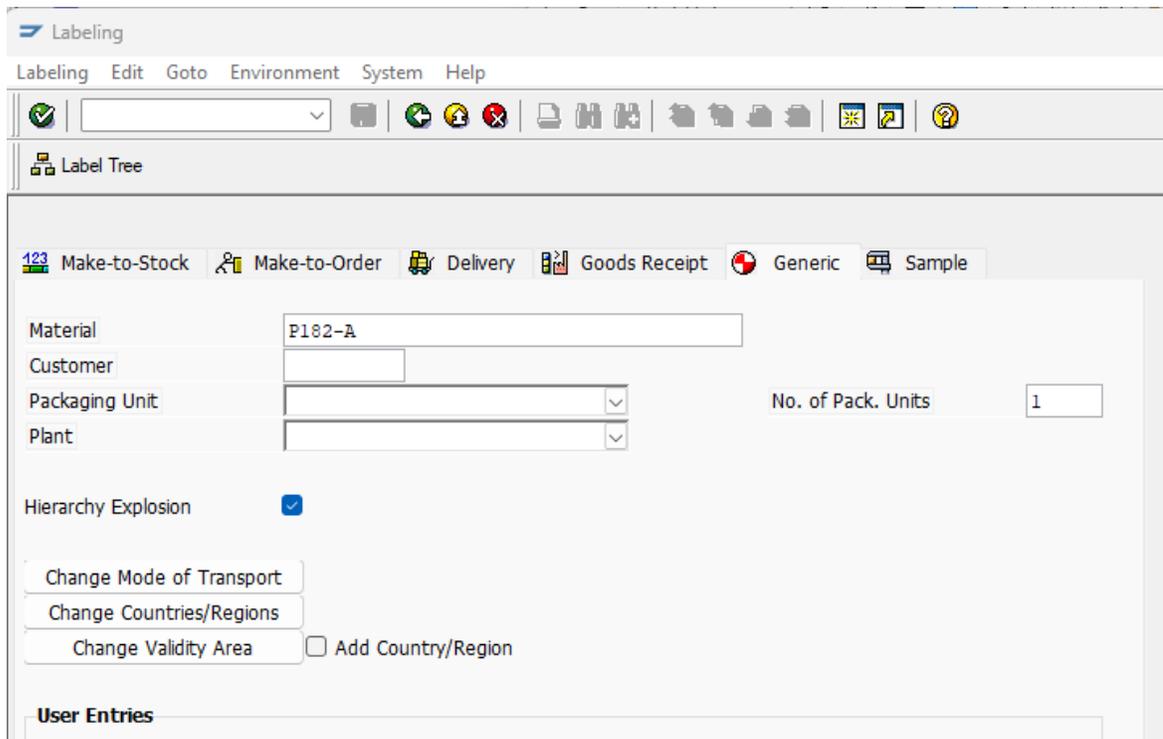
 **Tip:** If you are using Loftware Cloud as your labeling solution, Loftware Cloud users can view print request status in the Control Center history log in Loftware Cloud. For more information, see [Loftware Cloud Help](#).

Submit a Print Request

You can submit a print request to be processed by your Loftware labeling solution.

To manually submit a print request, perform the following steps.

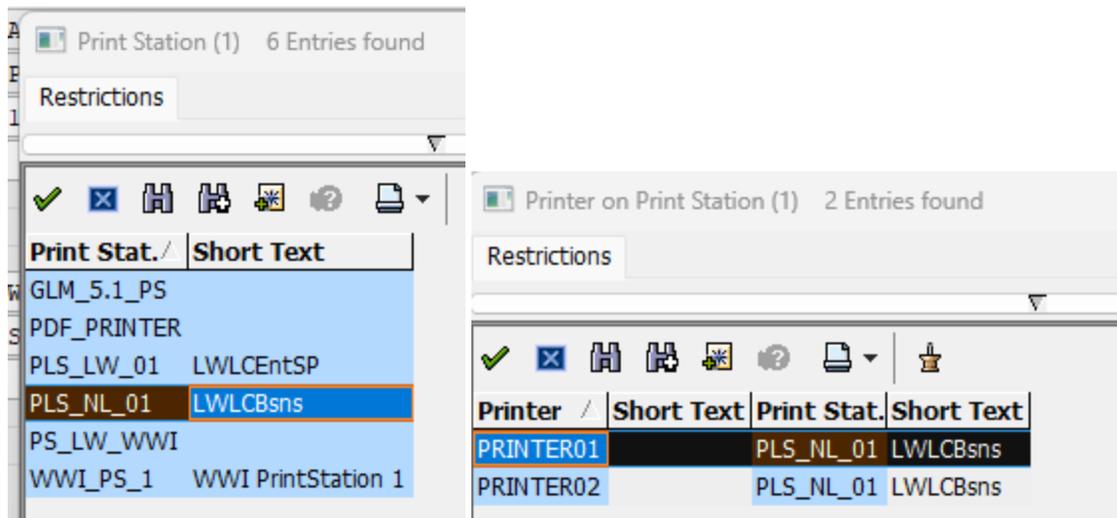
1. In **SAP GUI**, run transaction code **CBGL_MP01** to open the **Labeling** window.
2. In the **Labeling** window, select the desired material or other item.



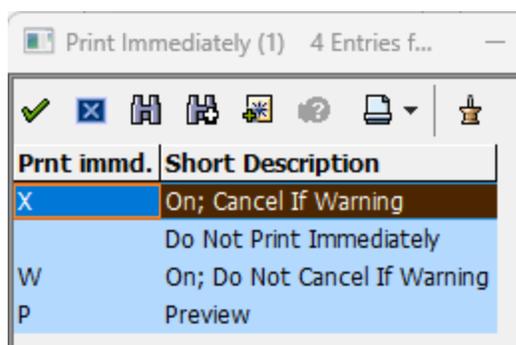
3. In the toolbar, click **Label Tree** to display the label tree.
4. In the label tree, navigate to and double-click the label you want to print.



- In the **Printer** section, select the print station configured for use with Loftware Integration for SAP GLM+ and the printer to use.



- In the toolbar, click **Preview** to display a print preview of the label.
- Enable **Immediate Print**.



- In the toolbar, click **Create** to submit the print request.

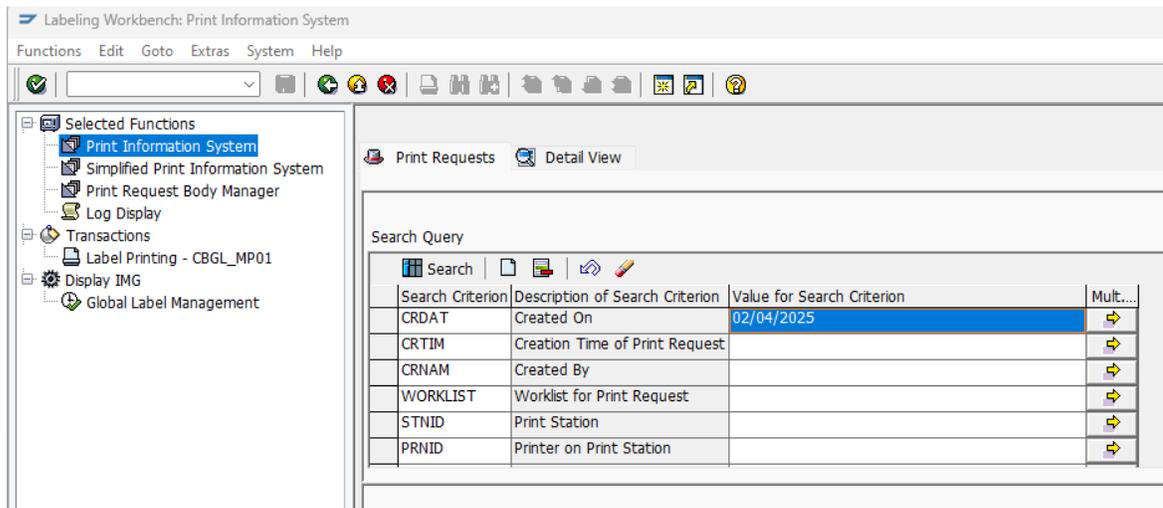
You have submitted a print request to the printer that you selected. To view the status of this print request, continue to [View Print Job Status](#).

View Print Job Status

You can view the job status of a print request.

To view the job status of a print request, perform the following.

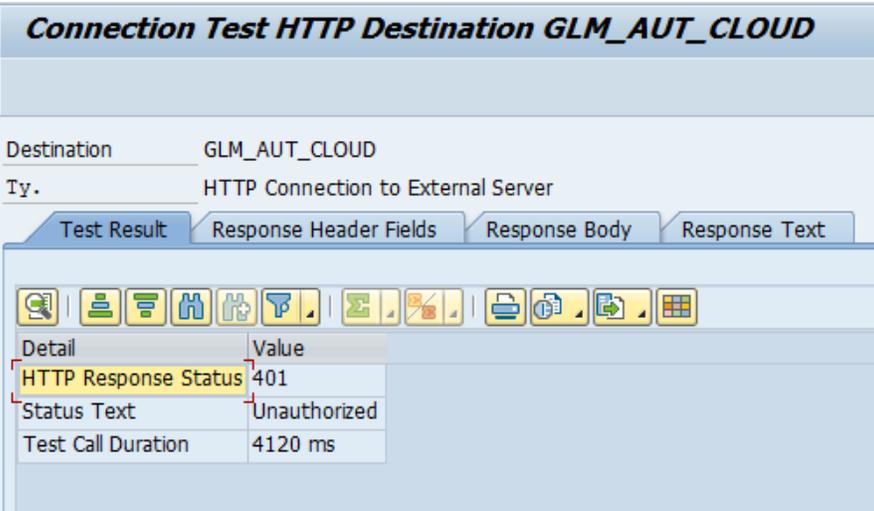
1. In **SAP GUI**, run transaction code **CBGLWB** to open the **Labeling Workbench** window.
2. In the **Labeling Workbench** window, navigate to and click **Print Information System**. The **Print Requests** tab is displayed in the details pane.
3. On the **Print Requests** tab, enter the **Created On** date of the print request that you want to view.



4. Click **Search** to display the list of print requests that occurred on the date you specified.

Troubleshooting Loftware Integration for SAP GLM+

For more about this product, including documentation for supported Loftware labeling solutions, see [Getting Started with Loftware Integration for SAP® GLM+](#).

Symptom	Resolution
<p>HTTP Response Status 401 returned when running Connection Test in SM59 transaction</p>	<p>If you are using Loftware Cloud as your labeling solution and run the connection test from the SM59 transaction, you may receive an HTTP Response Status of 401 with Status Text of Unauthorized. This error can be disregarded.</p>  <p>The SM59 transaction is used to configure the HTTP Connection to External Server, establishing communication between the Loftware BAdI and Loftware Cloud.</p> <p>The connection test sends data to the RFC destination. The error response indicates that you have established a communication path to Loftware Cloud, but that the SAP platform did not send a subscription key for authentication. Unlike the connection test, the Loftware BAdI provides your subscription key when it makes a call to Loftware Cloud.</p>

Symptom	Resolution
<p>Some printers that have been configured in the labeling solution are not displayed in the SAP environment</p>	<p>Anytime that additional printers are configured in your Loftware labeling solution or that the names of printers have been changed, perform the following procedure to incorporate the changes to your SAP environment: Select and Activate Printers (Devices).</p>