

Document Version: 1.1 – 2017-08-14

Integration from Digital Compliance Service to GST Suvidha Provider and eSign Application Service Provider

Integration package version 1.1.0



Typographic Conventions

Type Style	Description
<i>Example</i>	Words or characters quoted from the screen. These include field names, screen titles, pushbuttons labels, menu names, menu paths, and menu options. Textual cross-references to other documents.
Example	Emphasized words or expressions.
EXAMPLE	Technical names of system objects. These include report names, program names, transaction codes, table names, and key concepts of a programming language when they are surrounded by body text, for example, SELECT and INCLUDE.
Example	Output on the screen. This includes file and directory names and their paths, messages, names of variables and parameters, source text, and names of installation, upgrade and database tools.
Example	Exact user entry. These are words or characters that you enter in the system exactly as they appear in the documentation.
<Example>	Variable user entry. Angle brackets indicate that you replace these words and characters with appropriate entries to make entries in the system.
EXAMPLE	Keys on the keyboard, for example, F2 or ENTER .

Document History

Version	Date	Change
1.0	2017-07-25	First release of the GSP Integration Template
1.1	2017-08-14	<ol style="list-style-type: none">1. Better handling of GSTN request and response2. GSP/GSTN Exceptions are handled3. GSTN Authentication, GSTR1 and GSTR2 API Changes handled in the iFlow4. Ping DCS iFlow is included to check the connection between DCS Application and the Cloud Platform Integration tenant

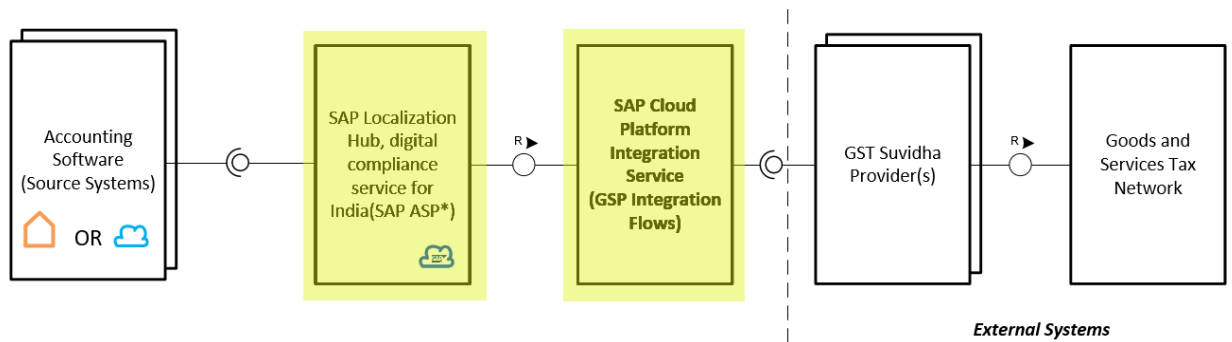
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1 Introduction

The communication part of the SAP Localization Hub, digital compliance service for integration with GST Suvidha Provider(GSP) is taken care of by the SAP Cloud Platform Integration Service.

The below diagram provides an overview of integration between Digital Compliance Service(DCS) and GSP(s):



The following documentation contains steps to adapt and deploy SAP Cloud Platform, integration flow to establish communication between DCS and GSP(s).

2 Prerequisites

Before you start with the activities mentioned in this document, ensure that the following prerequisites are met:

1. Installed the **SAP Localization Hub, digital compliance service for India** solution in your *SAP Cloud Platform* test and/or productive landscape. For detailed information, refer SAP note [2460667](#).
2. Completed registration with *GST Suvidha Provider (GSP)* system and have received the following:
 1. Application Service Provider(ASP) to GST Suvidha Provider (GSP integration/set up manual)
 2. Certificates from the GSP provider for SSL handshake
3. Provisioned live SAP Cloud Platform, Integration Services test and/or productive tenants.

i Note

When you buy the SAP Localization Hub, digital compliance service for India license, you get two Cloud Platform Integration tenant with it. One tenant serves for development/testing, while the other should be used for production. For each tenant, you get a welcome email outlining the details about the tenant.

SAP **SAP Cloud Platform Integration**

Dear Customer,

Welcome to SAP Cloud, the most comprehensive cloud computing portfolio on the market.

Reason to contact you:
The set-up of your SAP Cloud Platform Integration tenant is complete and we are happy to release it to you. Access to the system is configured via HTTPS. You can access from anywhere in the world.

Customer Information:
Customer Name: ABC Corp. **Customer name and ID**
Customer ID: 1234567890

Key Message:
Enclosed you will find the logon information. Please visit the link below with your SAP ID user to start using the service.

Logon Information:
SAP ID User: S001234567 **S-User ID mentioned in the order form – Provided during contract signing**
URL: <https://account.hana.ondemand.com> **URL to access Cloud Platform Cockpit**

Order Details:
SAP Cloud Platform Integration, (SAP CP Integration, enterprise edition, 8004741) **Subscribed Edition**

Account: Productive **Account Type**
Cloud Integration Productive - IXXXX **Cloud Platform Integration Account Name**

Web UI URL (Access via web browser):
<https://IXXXX-tmn.hci.euX.hana.ondemand.com/itspaces> **URL to be used to access WebUI tooling**

Management URL (Access via Eclipse plugin):
<https://IXXXX-tmn.hci.euX.hana.ondemand.com> **URL to be used in Eclipse Tooling**

Runtime URL (Webservice url to be configured in backend systems):
<https://IXXXX-iflmap.hci.euX.hana.ondemand.com> **Worker Node URL**

Certificate Information: **Security Certificate Information**
You may directly download the SAP Cloud Platform Integration client certificate and the root certificates from the link
https://certmanager.websecurity.symantec.com/mcelp/enroll/searchCertDetails?issuerSerial=d32fa2b4abfxxxxxxxxx&jur_hash=851395xxxxxxxxxxxxxxxx46355b0bfc9d3 (please use the X509 certificate option).

Help: **Official Documentation Link**
For more information, check out the SAP Cloud Platform Integration documentation at:
<https://cloudintegration.hana.ondemand.com/PI/help>

Please do not reply to this email. This is an unmonitored mailbox. If you have any further questions, please report an incident on the component LOD-HCI via <http://support.sap.com>

Best Regards,
SAP

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3 General Information

The content catalog package *Integration between Digital Compliance Service to GST Suvidha Provider and eSign Application Service Provider* contains the following iFlows:

iFlow Name in WebUI	Project Names/Artifact Names
GSP Integration Template	com.sap.slh.dcs.gsp.template
eSign ASP Integration Template	com.sap.slh.dcs.esp.template
Ping DCS	com.sap.slh.dcs.ping

4 Deployment Setup

➔ Recommendation

You must perform the below mentioned steps in your **TEST** and **PRODUCTION** accounts.

4.1 Import SSL Certificates to SCP Integration Tenant

To set up an SSL connection between the SCP Integration Tenant and GST Suvidha Provider(GSP), you must import the required security certificates into SCP Integration Tenant JAVA keystore.

Procedure

1. Create a new Keystore and import the trusted certificates into the keystore.

i Note

You can use tools like Keystore Explorer to create a new keystore.

2. Add keystore entries to the JAVA keystore of the SCP Integration tenant by following the process mentioned [here](#).

i Note

To perform above operation, you need to be a tenant administrator with role **AuthGroup.Administrator**

➔ Recommendation

To check the connectivity with GSP, run connectivity test using the *Monitor->Manage Security>Connectivity Tests*.

4.2 Adapt GSP Integration Template

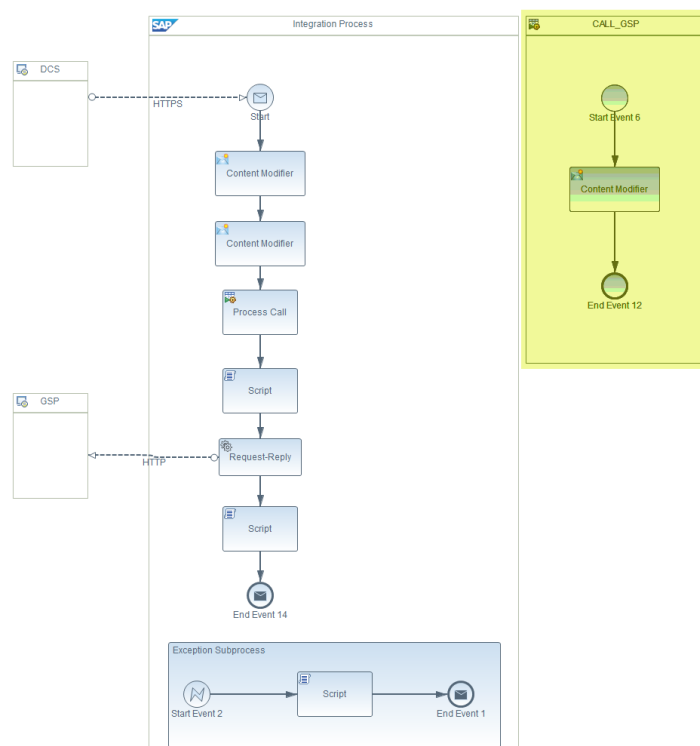
The Content Catalog contains pre-delivered Integration Flow template for communicating with GSPs.

Note

1. If you are registered with a GSP that is in the SAP certified list, you can get the GSP specific pre-built iFlow from your respective GSP(s). For more details check note [2512413](#) for the list of GSPs working with SAP for their integration certification.
2. If you are registered with a GSP that is not in the SAP certified list, you can use the iFlow [GSP Integration Template](#) to build the integration flow.

Procedure

1. In your browser, go to the WebUI of the tenant using the Web UI url.
Example: <https://IXXXX-tmn.hci.euX.hana.ondemand.com/itspaces>
2. To logon, enter your P user or S user.
If you get *HTTP Status 403* error, contact your Tenant Administrator
3. After successful login, from the menu in the upper left corner, choose *Discover*
4. In the subsequent screen, search for **Integration from Digital Compliance Service to GST Suvidha Provider and eSign Application Service Provider.**
5. Click on the entry and in the subsequent screen choose *Copy*
6. From the menu in the upper left corner, choose *Design*
7. Click on the package **Integration between Digital Compliance Service to GST Suvidha Provider and eSign Application Service Provider** and in the subsequent screen choose ARTIFACTS. The system displays different Integration Flows.
8. Select the integration flow *GSP Integration Template*, choose *Actions -> Download*
9. Integration content will be downloaded as a *.zip file
10. Import downloaded zip file to Eclipse and modify the content to adapt GSP integration. Refer [here](#) for details on Developing Integration using the Eclipse Integration Designer.



i Note

You need to adapt the GSP specific authentication for the highlighted sections as shown in the above diagram.

11. Configure and deploy the modified integration flow.

i Note

After the deployment, check if the integration flow is in **Started** state. You can check this in the WebUI by choosing *Monitor->Manage Integration Content*.

After successful deployment, the endpoint URL is <https://<Tenant Runtime URL>/http/sapdcs/dcs2gsp>

4.3 Deploy Ping DCS Integration Flow

The Ping DCS integration flow is used to check the connection status from DCS application to Cloud Platform Integration account.

Procedure

1. In your browser, go to the WebUI of the tenant using the Web UI url.
2. Example: <https://IXXXX-tmn.hci.euX.hana.ondemand.com/itspaces>
3. To logon, enter your P user or S user.
4. If you get *HTTP Status 403* error, contact your Tenant Administrator
5. After successful login, from the menu in the upper left corner, choose *Discover*
6. In the subsequent screen, search for **Integration from Digital Compliance Service to GST Suvidha Provider and eSign Application Service Provider**.
7. Click on the entry and in the subsequent screen choose *Copy*
8. From the menu in the upper left corner, choose *Design*
9. Click on the package **Integration between Digital Compliance Service to GST Suvidha Provider and eSign Application Service Provider** and in the subsequent screen choose ARTIFACTS. The system displays different Integration Flows.
10. Select the integration flow *GSP Integration Template*, choose *Actions -> Deploy*

i Note

After the deployment, check if the integration flow is in **Started** state. You can check this in the WebUI by choosing *Monitor->Manage Integration Content*.

After successful deployment, the endpoint URL is *https://<Tenant Runtime URL>/http/pingdcs*



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Material Number:

