

SAP S/4HANA
Statutory Reporting United Kingdom Integration Guide

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1. Overview

In some countries, companies can submit statutory reports electronically by using the web services provided by the respective government agencies. S/4HANA Statutory Reporting Framework (SRF) uses the SAP Hana Cloud Integration (HCI) for electronic submission of files. You can submit country-specific statutory reports via HCI only after the successful deployment of Statutory Reporting generic integration content. This document describes how to deploy and configure Statutory Reporting for United Kingdom integration package.

SRF supports generation and submission of the following statutory reports for United Kingdom:

- Construction Industry Scheme (CIS)
As a registered contractor with CIS, you must report to HMRC about the payments made to the sub-contractors. This is done by filing monthly CIS reports with HMRC.
- VAT
As a VAT-registered business, you must report to HMRC the amount of VAT charged and the amount of VAT paid by you. This is done by filing the VAT return, which is usually due every 3 months.
- EC Sales List (ECSL)
As a VAT-registered business in the UK, supplying goods and services to VAT-registered customers in another EU country, you must report the supply details to HMRC. You can use an ESL report to show details of each of your EU customers, the value of the supplies you have made to them, and the customer's country code.

2. Prerequisites

- Live HCI test or productive tenant is available.
- In case of SAP S/4HANA Cloud, Communication management setup is complete in corresponding S/4HANA cloud system. (Use '**SAP S/4HANA Statutory Reporting Communication Management Guide**' to perform the communication management setup).
- In case of SAP S/4HANA On-premise, SOA management setup is complete in corresponding S/4HANA On-premise system. (Use '**SAP S/4HANA Statutory Reporting SOA Management Guide**' to perform the SOA management setup).
- The Statutory Reporting generic integration is deployed successfully. (Use '**SAP S/4HANA Statutory Reporting Generic Integration Guide**' to perform the Statutory Reporting generic integration deployment).
- For United Kingdom HMRC online submission, companies should be registered with HMRC. Please find the link for more details [HMRC Registration and Enrolment](#).

Note: Content of this guide is relevant for both SAP S/4HANA Cloud and On-premise.

3. Accessing HCI Web UI

HCI content catalog can be accessed by using the HCI Web UI URL of HCI tenant available in the SAP HANA Cloud Integration – Notification mail.

<https://XXXXX-tmn.XXX.XXX/itspaces>

4. User Credential Creation

In United Kingdom HMRC online submission, companies submit the file and receive correlation ID as the acknowledgement for the submission. Companies have to poll HMRC with the correlation ID in specific time interval to get final status of the file submitted. In Statutory Reporting United Kingdom Integration, polling to HMRC is performed asynchronously in the HCI tenant and the final status is sent back to the S/4HANA Tenant. Authorization is required to send the file from the HCI tenant to the S/4HANA tenant.

This can be achieved by creating the user credentials which contain the S/4HANA communication user* and password details and maintaining or configuring the user credentials created in the Statutory Reporting United Kingdom integration receiver section (as explained below).

*** Note:**

- In S4HANA Cloud, Communication user created during the SAP S/4HANA Statutory Reporting communication management setup in S/4HANA client can be used.
- In S4HANA On-premise, user whose has S/4HANA system login authorization can be used.

PROCEDURE

1. From HCI Web UI, click **Menu -> Monitor** from the top level menu on the left.
2. Click **Security Material**. You can see all the security material, such as credential and java key store file.
3. Click **Add** button and select the **User Credentials**.
4. In the **Add User Credentials** screen, fill in the following details:

Field name	User action and values
Name	Enter Credential Name
Description	Free text
User	S/4HANA communication user
Password	Self-explanatory
Repeat password	Self-explanatory
SuccessFactors	Un-selected

Click **OK** to save the credentials.

5. Secure HMRC Sender ID and Password Storage

Create user credentials to store the username and password details for password-based authentication (required only in case the password-based authentication is used for communicating to the legal authorities). If you are electronically submitting your statutory reports to the government gateway using password-based authentication, you can configure the Statutory Reporting Framework (SRF) to use a more secure password handling technique. To configure SRF to use the secure password handling technique, perform the following steps in SRF Reporting entity configuration and the SAP HANA Cloud Integration (HCI) platform.

In the Reporting entity configuration:

1. While entering the parameters specific to a report category, in the sender ID parameter, specify an alias name say <GB_VAT_CREDENTIALS>.
2. In the Password parameter, specify a dummy value. Note that the password specified here is not the actual password. The actual password is configured in the HCI.

In the HCI Web UI, create new user credentials:

1. In the **Add User Credentials** screen, specify the following details:
 - Name – Specify the alias name for the Sender ID. You must specify the alias name say <GB_VAT_CREDENTIALS> that was entered in the Customizing activity.
 - User ID and Password – Specify the sender ID and password provided by the government authorities for authentication.
2. Click **OK**.

Note:

- I. Different user credentials should be created for different username-password pair.
- II. The request XML sent by HCI to SRF contains the actual sender ID or user ID information, and has the password masked.

6. Statutory Reporting United Kingdom Integration Deployment

This section describes the configuration required to adapt the Statutory Reporting United Kingdom integration via the HCI Web User Interface.

PROCEDURE

- I. In HCI Web User Interface, click the top left Menu icon and choose section **Discover** from the drop down menu. You can see all the available integration packages for the tenant.
- II. Search for the package name **SAP S/4HANA Statutory Reporting United Kingdom Integration**.
- III. Choose copy to workspace action for the integration package (button appears on mouse over).
- IV. Choose **Design** from the top level menu on the left. You can see the integration package **SAP S/4HANA Statutory Reporting United Kingdom Integration** is copied to your workspace.

- V. Click the **SAP S/4HANA Statutory Reporting for United Kingdom Integration** package. The list of artifacts appear.
- VI. Select the artifact **Statutory Reporting for United Kingdom Integration** from the package content.
- VII. Click **Configure** in the Action menu.
- VIII. Click **Sender** tab.

Field	Value	Comment
Sender	S4HANA	Keep default
Adapter type	SOAP	Keep default
Authentication Type	Role-based Authentication	Keep default. Use Role based authentication only.

- IX. Click **Receiver** tab.
 - a. In Receiver drop-down, select value 'S4HANA_receiver'.

Field	Value	Comment
Receiver	S4HANA_receiver	Configuration for S4HANA receiver system
Adapter type	SOAP	Keep default
Authentication Type	Basic Authentication	Keep default
Credential Name	Enter credential name	User credential created in section 4.

- b. In Receiver drop-down, select value 'GB_HMRC_Submission_Gateway'.

Field	Value	Comment
Receiver	GB_HMRC_Submission_Gateway	Configuration for HMRC submission gateway system
Adapter type	HTTP	Keep default
Address	https://{{HMRC_Gateway_Url}}/submission	Keep default. Do not change the default value.
HMRC_GatewayUrl	Enter HMRC Gateway URL	Test service test-transaction-engine.tax.service.gov.uk Live service: transaction-engine.tax.service.gov.uk
Private key Alias	None	Keep default.

c. In Receiver drop down, select value 'GB_HMRC_Poll_Gateway'.

Field	Value	Comment
Receiver	GB_HMRC_Poll_Gateway	Configuration for the HMRC Poll gateway system
Adapter type	HTTP	Keep default
Address	https://{{HMRC_Gateway_Url}}/poll	Keep default. Do not change the default value.
HMRC_GatewayUrl	Enter HMRC Gateway URL	Test service test-transaction-engine.tax.service.gov.uk Live service: transaction-engine.tax.service.gov.uk
Private key Alias	None	Keep default.

X. Click **Save**.

XI. Click **Deploy** and confirm.

RESULT

The Statutory Reporting United Kingdom integration is configured and deployed to the HCI tenant successfully.