

Implementation Guide

SAP SuccessFactors Employee Central Payroll

Document Version: Q4 2018

CUSTOMER

e-Filing of Employees Payments and Deductions 2018-19 (United Kingdom)

Using SAP Cloud Integration

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

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1 Introduction

Employers based in the United Kingdom (including UK subsidiaries of overseas organizations) must operate Pay As You Earn (PAYE) as part of their payroll. PAYE is the Her Majesty's Revenue & Customs (HMRC) system for collecting income tax and national insurance from employers. Every employer that uses its own payroll software, rather than the HMRC system, must electronically report employees' payments and deductions to HMRC on or before each payday, in real time, for each payroll run.

Electronic communication with the government gateway for customers in the United Kingdom is now enabled for Employee Central Payroll customers via SAP Cloud Integration .

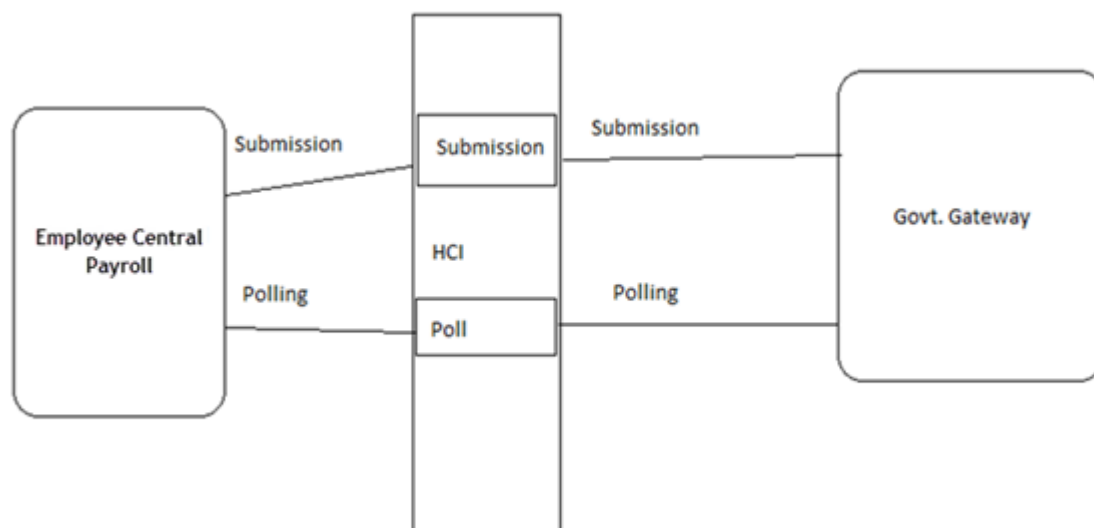
To get SCI working, there are some required steps on both the Employee Central Payroll system and the SCI tenant. These steps are typically taken care by an SCI consulting team, who is responsible for configuring the Employee Central Payroll-SCI connection and maintaining the integration content and certificates/credentials on the SCI tenant.

2 Overview of Integration Scenarios

Throughout this topic we assume the following setup of technical components and communication paths: The government gateway is being connected to one of the SAP Cloud Integration tenants assigned to the customer.

The terms "inbound" and "outbound" reflect the perspective of Employee Central Payroll:

- Inbound refers to message processing from the government gateway to Employee Central Payroll.
- Outbound refers to message processing from Employee Central Payroll to the government gateway.



2.1 Outbound

2.1.1 RPCEASG0: Employer Alignment Submission (EAS) Report

This report synchronizes the employer master data with the Her Majesty's Revenue and Customs (HMRC) data before activating the Real Time Information (RTI) features for Pay As You Earn (PAYE) tax for all employees. The employers use this report to notify the HMRC with details of all existing employees, new employees and employees who have quit the organization in the current financial year through a data alignment submission. The HMRC can amend their records accordingly before Full Payment Submission (FPS) submission begins.

2.1.2 RPCFPSG0: Full Payment Submission (FPS) Report

This report generates an XML file with the full payment details of PAYE tax for all employees.

The employers use this report to generate the XML file with the tax payment details for each payroll period in the RTI format as specified by the HMRC. The FPS is sent to the HMRC for all employees for every payroll period to reconcile employee payment details with the employer's master data.

2.1.3 RPCEPSG0: Employer Payment Submission (EPS) Report

This report is used to report the Apprentice Levy and to reclaim statutory maternity, paternity, adoption or shared parental payments, reclaim Construction Industry Scheme (CIS) deductions, and notify HMRC if no employees are being paid.

2.1.4 RPCEYUG0: Earlier Year Update (EYU)

This report updates the employees' year-to-date details in the system, after the final Full Payment Submission (FPS) for the tax year.

2.1.5 RPCP11G0: Summary of Taxable Benefits for End-of-Year Reporting (P11D)

The employers use this report to process employees' taxable benefits for the following forms:

- P11D Form - P11D Expenses And Benefits (per employee)
- P11D (b) Form - Return of Class 1A National Insurance Contributions (summary of all the individual P11D Forms)

2.2 Inbound

2.2.1 RPUEFI_START_POLL: Incoming Forms Poll

The employers use this report to initiate the **e-Filing for United Kingdom** incoming process. This process involves polling your secure mailbox located on the government gateway and retrieving PAYE forms, such as P6, P9, P6B, SL1 and SL2 forms, online.

2.3 More Information

- Report documentation in the Employee Central Payroll system
Go to transaction SE38 in Employee Central Payroll, enter the report technical name, and choose Execute (F8). Then choose the Program Documentation icon (Shift + F1).
- Application help for e-Filing for United Kingdom
Available at the following URL on SAP Help Portal:
http://help.sap.com/erp_hcm_ias_2012_02/helpdata/en/cd/5a0641f753f523e10000000a155106/framest.htm
- **Data Provisioning Service (DPS): Supplementary Guidance and How to use the DPS test service**
Available at the following URL:
https://www.gov.uk/government/uploads/system/uploads/attachment_data/file/418088/dps_how_to_use_v2-5.pdf

3 Prerequisites

Before you can set up the e-filing functionality to the government gateway using SAP Cloud Integration, make sure that the following prerequisites are met.

3.1 Prerequisites on the SCI side

Make sure the SCI tenant is provisioned and is live. Make sure a user is available for the SCI tenant with the password so that in case you prefer to use the Basic Authentication for the communication purpose.

The user that you are going to use for the communication must be assigned the following permissions:

- ESBMessaging.send on the iflmap application.
This permission is required so that Employee Central Payroll system and SCI system can communicate with each other.
- AuthGroup.IntegrationDeveloper on the tmn application.
This permission is required so that Integration Flows can be deployed on the SCI tenant.

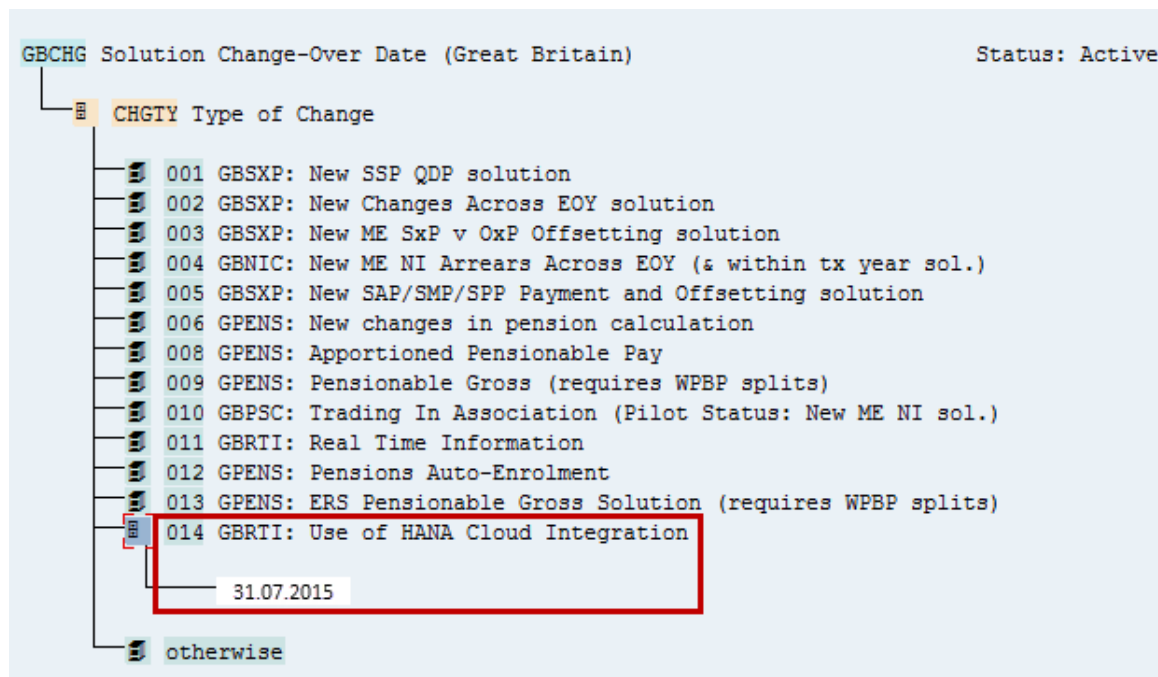
To assign these permissions to a user, go to SAP Cloud Account cockpit and navigate to Authorizations. Search for the user you are using and assign the permissions.

The screenshot shows the 'Authorization Management' interface in the SAP Cloud Account cockpit. The left sidebar contains a navigation menu with items like Dashboard, HANA Instances, Java Applications, and Authorizations. The main area is titled 'Assign Web Roles and Groups to Individual Users'. It features a 'User' dropdown menu, a 'Show Assignments' button, and a table of assigned roles. The table has columns for 'Account', 'Application', and 'Role'. Two roles are listed: 'ESBMessaging.send' for the 'iflmap' application and 'AuthGroup.IntegrationDeveloper' for the 'tmn' application. Each role has an 'Unassign' button next to it. A large orange box highlights the 'Account' column in the table.

Account	Application	Role	
	iflmap	ESBMessaging.send	Unassign
	tmn	AuthGroup.IntegrationDeveloper	Unassign

3.2 Prerequisites on the Employee Central Payroll side

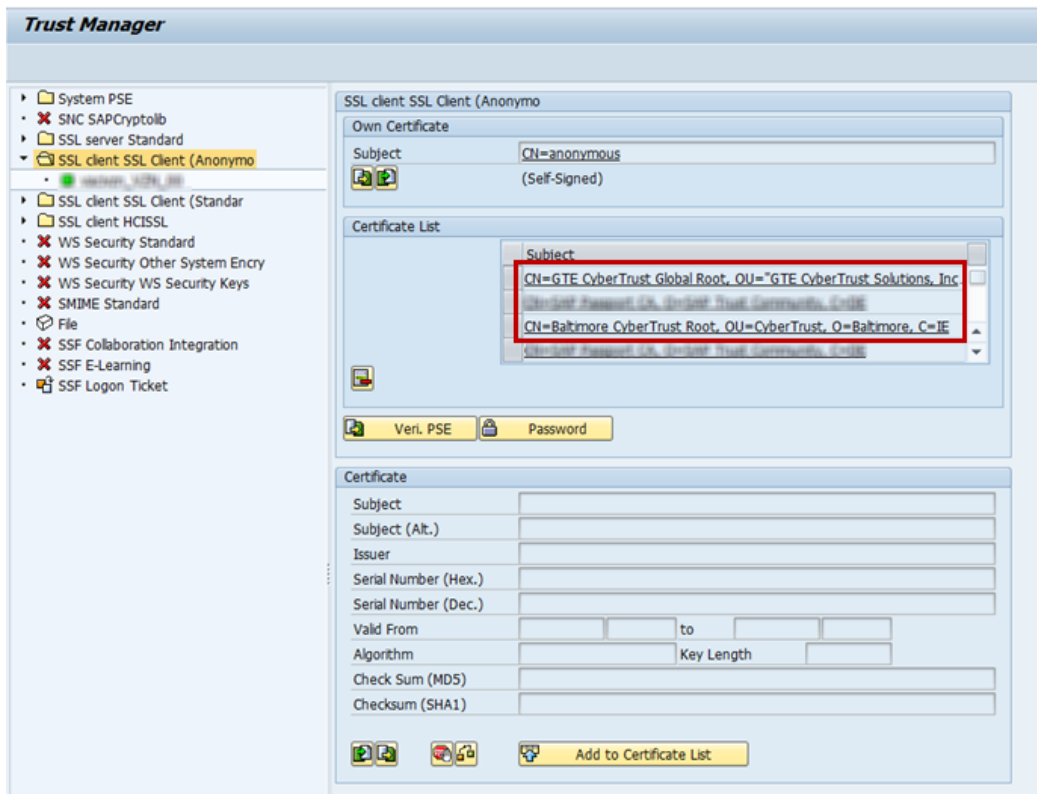
- Make sure that the Employee Central Payroll system is on **SP 49 of SAP_HRCGB 608**. If not yet, request the upgrade of Support Package via support ticket.
- Make sure that feature **GBCHG** has been activated in the Employee Central Payroll system.



This feature decides from when the Employee Central Payroll will use SCI to communicate with the government gateway.

To activate the feature, take the following steps:

1. Go to the transaction PE03.
 2. Enter the feature **GBCHG**.
 3. Navigate to the node **GBRTI**, and enter the date from when the use of SAP Cloud Integration shall take effect.
- The following Certificates must be uploaded and added to SSL Client Anonymous in *Trust manager* (STRUST) of Employee Central Payroll system:
 - GTE CyberTrust Global Root
 - Baltimore CyberTrust Root



Note

If these certificates are not available, open a ticket requesting an import of the above certificates.

4 Setup

For setting up the communication of Employee Central Payroll with the government gateway, two types of setup are required: the setup on the SCI side and the setup on the Employee Central Payroll side.

4.1 Setup of SCI

Payroll e-Filing of Employees' Payments and Deductions for United Kingdom consists of two packages:

- *Payroll e-Filing of Employees' Payments and Deductions for United Kingdom: EAS, DPS, and Polling Scenarios*

This package consists of three Integration Flows that you deploy **once for all**: Employer Alignment Submission (EAS), Data Provisioning Service (DPS), and Polling. This package will remain the same every year.



- *Payroll e-Filing of Employees' Payments and Deductions for United Kingdom: FPS, EPS, EYU, and EXB Scenarios for the Year XXXX-XX*

This package consists of four Integration Flows that you must update and redeploy **every year** because of the changed namespaces of relevant objects and ports, as required by the United Kingdom government. This package will be updated every year for both the Integration Flows and the year number in the package name.



Perform the following tasks to set up the Integration Flows on the SCI tenants:

Task	Frequency	Section in the Guide
1. Deploy certificates and credentials to the SCI tenants	When the government gateway certificates expire	Deploy certificates and credentials to the SCI tenants
2. Copy Integration Flows to Workspace	Once only for package <i>Payroll e-Filing of Employees' Payments and Deductions for United Kingdom: EAS, DPS, and Polling Scenarios</i>	Copy Integration Flow to Workspace
3. Configure Integration Flow		Configure Integration Flows
4. Deploy Integration Flow	Once every year for package <i>Payroll e-Filing of Employees' Payments and Deductions for United Kingdom: FPS, EPS, EYU, and EXB Scenarios for the Year XXXX-XX</i>	Deploy Integration Flows on test and productive tenants

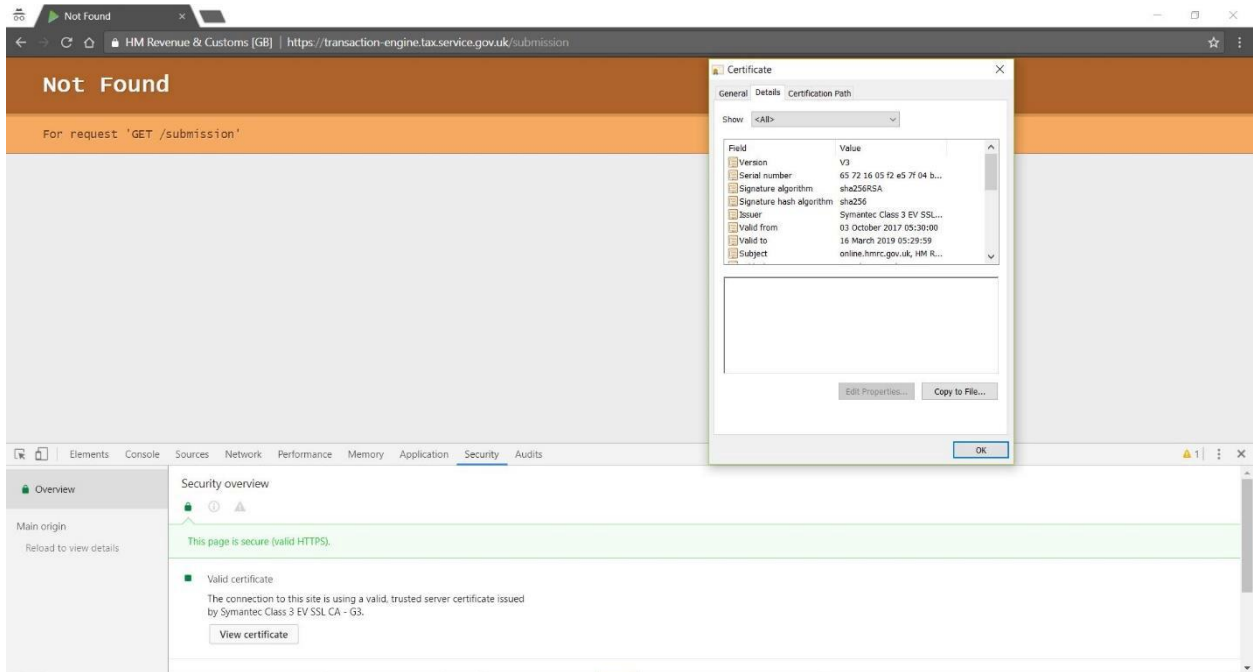
4.1.1 Deploy certificates and credentials to SCI tenants

For the communication with the government gateway, you must make sure that the certificates from government authorities are part of the Java Keystore that is uploaded to the SCI tenant.

How do I deploy certificates to SCI tenants?

Take the following steps to download the certificates from the website of HMRC.

1. Enter the URL <https://transaction-engine.tax.service.gov.uk/submission>
2. *Right click on the Page and select **Inspect***
3. *Select **Security Tab** and click on **View Certificate***
4. Copy the certificate to a file using the *Copy to File* button and save it to your machine



5. Repeat steps 1-4 for the URL <https://dps.ws.hmrc.gov.uk/dpsauthentication/service>
6. Open a ticket to SCI Cloud Operations and request them to update Java Keystore with the certificates

4.1.2 Copy Integration Flows to workspace

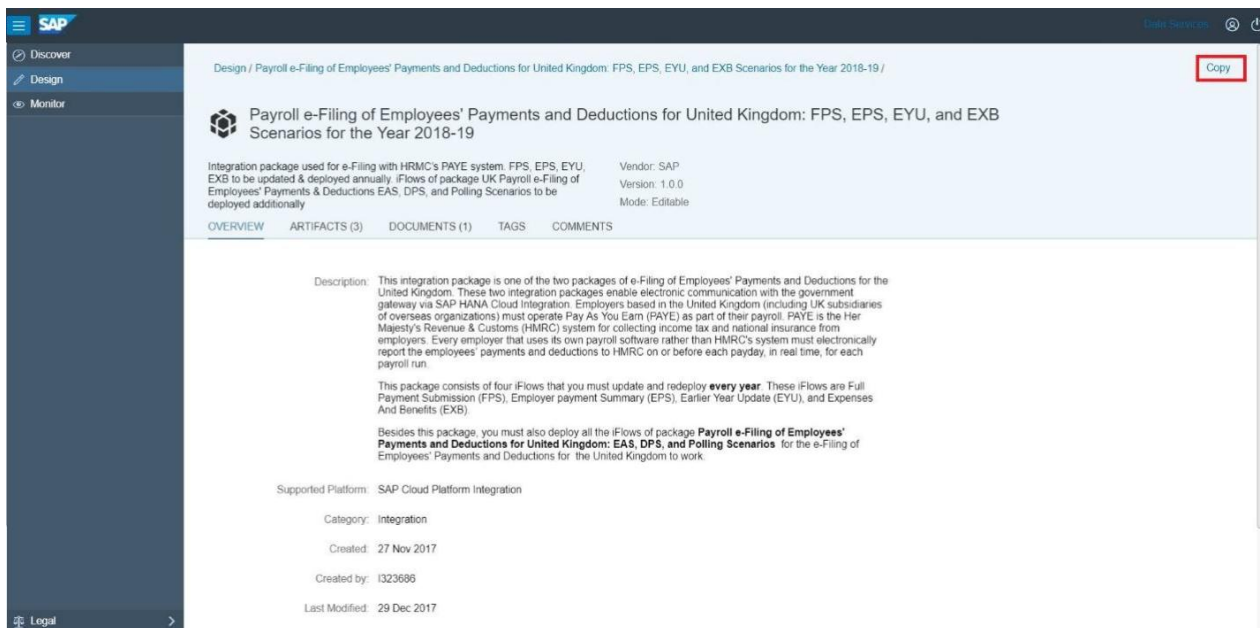
Take the following steps to copy all Integration Flows in the two packages to your workspace:

Note

You must copy Integration Flows **every year** for the package *Payroll e-Filing of Employees' Payments and Deductions for United Kingdom: FPS, EPS, EYU, and EXB Scenarios for the Year XXXX-XX*.

If you have already deployed Integration Flows in the previous year, you must undeploy the old Integration Flows before deploying the Integration Flows of the current year, and then delete the old Integration Flows. For more information, see [Appendix: Undeploying and Deleting Integration Flows](#).

1. In your browser, go to the WebUI of the tenant (URL: `<Tenant URL>/itspaces`)
2. From the menu in the upper left corner, choose *Discover*
3. Click the package name
4. In the lower right corner, choose *Copy*



Design / Payroll e-Filing of Employees' Payments and Deductions for United Kingdom: FPS, EPS, EYU, and EXB Scenarios for the Year 2018-19 / Copy

Payroll e-Filing of Employees' Payments and Deductions for United Kingdom: FPS, EPS, EYU, and EXB Scenarios for the Year 2018-19

Integration package used for e-Filing with HMRC's PAYE system. FPS, EPS, EYU, EXB to be updated & deployed annually. iFlows of package UK Payroll e-Filing of Employees' Payments & Deductions EAS, DPS, and Polling Scenarios to be deployed additionally. Vendor: SAP, Version: 1.0.0, Mode: Editable

OVERVIEW ARTIFACTS (3) DOCUMENTS (1) TAGS COMMENTS

Description: This integration package is one of the two packages of e-Filing of Employees' Payments and Deductions for the United Kingdom. These two integration packages enable electronic communication with the government gateway via SAP HANA Cloud Integration. Employers based in the United Kingdom (including UK subsidiaries of overseas organizations) must operate Pay As You Earn (PAYE) as part of their payroll. PAYE is the Her Majesty's Revenue & Customs (HMRC) system for collecting income tax and national insurance from employers. Every employer that uses its own payroll software rather than HMRC's system must electronically report the employees' payments and deductions to HMRC on or before each payday, in real time, for each payroll run.

This package consists of four iFlows that you must update and redeploy **every year**. These iFlows are Full Payment Submission (FPS), Employer payment Summary (EPS), Earlier Year Update (EYU), and Expenses And Benefits (EXB).

Besides this package, you must also deploy all the iFlows of package **Payroll e-Filing of Employees' Payments and Deductions for United Kingdom: EAS, DPS, and Polling Scenarios** for the e-Filing of Employees' Payments and Deductions for the United Kingdom to work.

Supported Platform: SAP Cloud Platform Integration

Category: Integration

Created: 27 Nov 2017

Created by: 1323686

Last Modified: 29 Dec 2017

5. Repeat steps 3 and 4 for the other packages

Each Integration Flow corresponds to one report or one service.

Package	Integration Flow	Corresponding Report in Employee Central Payroll
<i>Payroll e-Filing of Employees' Payments and Deductions for United Kingdom: FPS, EPS, EYU, and EXB Scenarios for the Year XXXX-XX</i> Note: XXXX-XX means the financial year, for example 2018/19	Full Payment Submission (FPS) - XXXX-XX	RPCFPSG0
	Employer payment Summary (EPS) - XXXX-XX	RPCEPSG0
	Earlier Year Update (EYU) - XXXX-XX	RPCEYUG0
	Expenses And Benefits (EXB) - XXXX-XX	RPCP11G0 (P11D)
<i>Payroll e-Filing of Employees' Payments and Deductions for United Kingdom: EAS, DPS, and Polling Scenarios</i>	Employer Alignment Submission (EAS)	RPCEASG0
	Polling	n/a
	Incoming DPS	RPUEFI_START_POLL

4.1.3 Configure Integration Flows

For each Integration Flow, there are several parameters that must be maintained. Therefore, you must follow the instructions below to configure each Integration Flow.

4.1.3.1 Configure Integration Flows for outbound reports

You must configure the following Integration Flows for outbound reports:

Integration Flows for Outbound Reports	Package
Full Payment Submission (FPS) - XXXX-XX	<i>Payroll e-Filing of Employees' Payments and Deductions for United Kingdom: FPS, EPS, EYU, and EXB Scenarios for the Year XXXX-XX</i>
Employer payment Summary (EPS) - XXXX-XX	
Earlier Year Update (EYU) - XXXX-XX	
Expenses And Benefits (EXB) - XXXX-XX	
Employer Alignment Submission (EAS)	<i>Payroll e-Filing of Employees' Payments and Deductions for United Kingdom: EAS, DPS, and Polling Scenarios</i>
Polling	

Integration Flows for Outbound Reports

Package

Note

Polling is used by all other Integration Flows for outbound reports to collect response from government gateway (HMRC) to Employee Central Payroll system. It must be configured before any other outbound Integration Flows can be used.

Take the following steps to configure the Integration Flows for outbound reports:

1. In your SCI tenant, from the menu in the upper left corner, choose *Design*.
2. Click the package *Payroll e-Filing of Employees' Payments and Deductions for United Kingdom: EAS, DPS, and Polling Scenarios*. *Select Artifacts Tab*.
3. For the Integration Flow that you want to change, choose *Actions -> Configure*.

The screenshot shows the SAP Design Studio interface. The left sidebar contains navigation options: Discover, Design (selected), and Monitor. The main content area displays the package details for 'Payroll e-Filing of Employees' Payments and Deductions for United Kingdom: EAS, DPS, and Polling Scenarios'. The 'ARTIFACTS (3)' tab is active, showing a table with the following data:

Name	Type	Version	Actions
Data Provisioning Service This integration process polls your secure mailbox located on the HMRC Government Gateway to retrieve P6, P9, P6B, SL1 and SL2 forms. Modified	Integration Flow	1.0.0	View metadata Download Configure Deploy
Employer Alignment Submission The employers use EAS report to notify the HMRC with details of all existing employees, new employees and employees who have quit the organization in the current financial year through a data alignment submission. Modified	Integration Flow	1.0.0	[Link]
Polling Polling is used by all the outbound scenarios (FPS, EPS, EAS, EXB, EYU) to collect response from government gateway(HMRC). It frequently queries the government gateway whether a response is ready and, if yes, posts it back to Employee Central Payroll. Modified	Integration Flow	2.0.0	[Link]

4. Change the relevant parameters on the *Receiver* tab page:

Configure "Employer Alignment Submission"

Receiver

Receiver:

Adapter Type:

Address:

Authentication Type:

Private Key Alias:

Save Deploy Close

- *Receiver*

Select *Receiver_submit* from the dropdown menu.

- *Adapter Type*

Select *HTTP*.

- ○ *Private Key Alias*

Enter the alias of the certificate downloaded from the HMRC website.

For *Full Payment Submission* and *Employer Payment Summary*, change the relevant parameters on the *Sender* tab page:

Sender Receiver

Sender:

Adapter Type:

Connection

Address:

User Role:

Conditions

Body Size (in MB):

Save Deploy Close

Body Size (in MB)

By default, the size is set as 40 MB. The recommendation for maximum size limit is 100 MB.

User role

You now have the option to define your custom role and use that in this field.

Address





Only enter an alternate sender endpoint in the address field if you wish to change the default and are very clear of the reasons you wish to change it for. Otherwise, leave the default value as it is. If you change this field, you MUST make sure your corresponding SOAMANAGER settings also reflects the change.

5.0 After changing the parameters, choose *Save*.

4.1.3.2 Configure Integration Flow for inbound report

Take the following steps to configure the *Data Provisioning Service (DPS)* Integration Flow for the inbound report:

1. In your SCI tenant, from the menu in the upper left corner, choose *Design*.
2. Click the package *Payroll e-Filing of Employees' Payments and Deductions for United Kingdom : EAS, DPS, and Polling Scenarios*. Select *Artifacts Tab*.
3. For the Integration Flow *Data Provisioning Service*, choose *Actions -> Configure*.

Name	Type	Version	Actions
<input type="checkbox"/> Data Provisioning Service This integration process polls your secure mailbox located on the HMRC Government Gateway to retrieve P6, P9, P6B, SL1 and SL2 forms. Unmodified	Integration Flow	1.0.0	 
<input type="checkbox"/> Employer Alignment Submission The employers use EAS report to notify the HMRC with details of all existing employees, new employees and employees who have quit the organization in the current financial year through a data alignment submission. Unmodified	Integration Flow	1.0.0	
<input type="checkbox"/> Polling Polling is used by all the outbound scenarios (FPS, EPS, EAS, EXB, EYU) to collect response from government gateway(HMRC). It frequently queries the government gateway whether a response is ready and, if yes, posts it back to Employee Central Payroll. Modified	Integration Flow	2.0.0	

View metadata

Download

Configure

Deploy

4. Change parameters on the *Receiver* tab page.
 - o Configure parameters for Receiver Token:

← Configure "Data Provisioning Service"

Receiver

Receiver:

Adapter Type:

Address:

Receiver

Select *Receiver_Token* from the dropdown menu.

Adapter Type

Select *HTTP*.

Address

Enter the URL: <https://dps.ws.hmrc.gov.uk/dpsauthentication/service>

- o Configure parameters for Receiver Retrieve:

← Configure "Data Provisioning Service"

Receiver

Receiver:

Adapter Type:

Address:

Receiver

Select *Receiver_Retrieve* from the dropdown menu.

Adapter Type

Select *HTTP*.

Address

Enter the URL: <https://dps.ws.hmrc.gov.uk/dps/service>

5. Choose *Save*.

4.1.4 Deploy Integration Flows on test and productive tenants

Take the following steps to deploy the Integration Flows on test and productive tenants:

1. In your SCI tenant, from the menu in the upper left corner, choose *Design*.
2. Click the package name. *Select Artifacts Tab*.
3. For the Integration Flow that you want to deploy, choose *Actions -> Deploy*.

Artifacts (3)				Actions
<input type="checkbox"/>	Name	Version	Type	Actions
<input type="checkbox"/>	Data Provisioning Service This integration process polls your secure mailbox located on the HMRC Government Gateway to retrieve P6, P9, P6B, SL1 and SL2 forms. Created	1.0.0	Process Integration	
<input type="checkbox"/>	Employer Alignment Submission The employers use EAS report to notify the HMRC with details of all existing employees, new employees and employees who have quit the organization in the current financial year through a data alignment submission. Created	1.0.0	Process Integration	
<input type="checkbox"/>	Polling Polling is used by all the outbound scenarios (FPS, EPS, EAS, EXB, EYU) to collect response from government gateway(HMRC) to Employee Central Payroll system. It frequently queries the government gateway whether a response is ready and, if yes, posts the r Created	1.0.0	Process Integration	

4. Repeat steps 1-3 for each of the Integration Flows in both packages.

Note

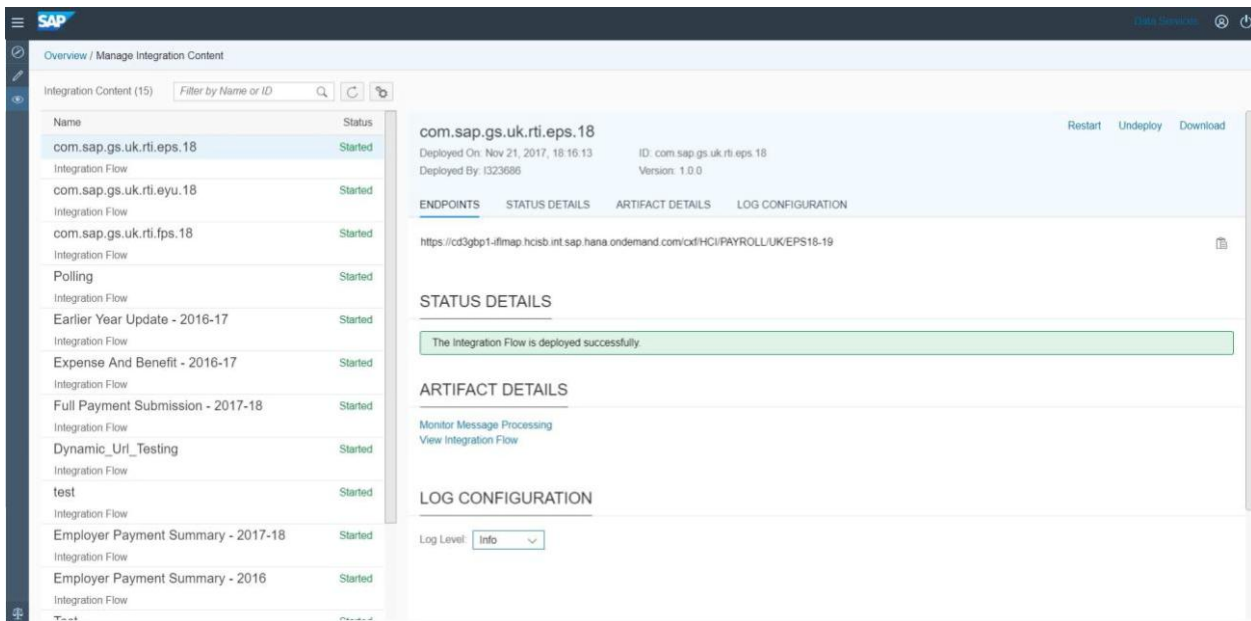
You must do steps 1-3 **once every year** for the package *Payroll e-Filing of Employees' Payments and Deductions for United Kingdom: FPS, EPS, EYU, and EXB Scenarios for the Year XXXX-XX*.

5. Check and make sure all Integration Flows have been deployed successfully.
 - a. In your SCI tenant, choose *Monitor* from the menu in the upper left corner.
 - b. Under *Integration Content Monitor*, choose the *Started* tile.

The screenshot shows the SAP Integration Content Monitor dashboard. It is divided into three main sections:

- Monitor Message Processing:** Displays five tiles for 'All Integration Flows Past Hour' with counts: Messages (0), Failed Messages (0), Error Messages (0), Retry Messages (0), and Completed Messages (0). A plus sign is visible to the right.
- Manage Integration Content:** Displays four tiles for 'All Integration Flows': All (18), Started (18, highlighted with a red box), Error (0), and a plus sign.
- Manage Security Material:** Displays two tiles: Security Material and Certificate-to-User Mappings.

- c. Check the deploy status of each Integration Flow.
 - If the *Status* is *Started*, it means the Integration Flow has been deployed successfully.
6. Note down the URLs of the endpoints for each service.
 - This URL will be used later for the setup of Employee Central Payroll system.
- a. Select the Integration Flow from the list.



- b. Note down the endpoint URL present on the right side of the screen under Endpoints Tab.

4.2 Setup of Employee Central Payroll System

In the Employee Central payroll system, you need to configure the Web Services in SOA MANAGER through which the communication between Employee Central Payroll system and the Government Gateway via SCI can be established.

The following steps take the *Employer Alignment Submission (EAS) Report* (RPCEASG0) as an example.

Note

You must configure the proxy for each of the reports. For some reports, you only need to configure the proxy **once**; while for the other reports, you must reconfigure the proxy **once every year** due to changed object names and port names by government requirements. For more information, see the table of object names and port names at the end of this section.

1. Open the SOA MANAGER using transaction SOAMANAGER.
2. Click *Web service configuration*.
3. Search for the object name CO_HR_GB_EFO_EAS_OUT_13 and click *Search*.
4. Click the internal name link and then select *Create > Manual Configuration*.
5. Enter a logical port name, for example, CO_HR_GB_EFO_EAS_OUT_13_HCI_PORT, select the checkbox *Logical Port is Default*, and click *Next*.

The screenshot shows the 'New Manual Configuration of Logical Port for Consumer Proxy' wizard. The title bar reads 'New Manual Configuration of Logical Port for Consumer Proxy 'CO_HR_GB_EFO_EAS_OUT_13''. A progress bar at the top indicates six steps: 1. Logical Port Name (highlighted), 2. Consumer Security, 3. HTTPSettings, 4. SOAP Protocol, 5. Identifiable Business Context, and 6. Operation Settings. Below the progress bar are buttons for 'Back', 'Next', 'Finish', and 'Cancel'. The main section is titled 'General Configuration Settings' and contains two text input fields: '* Logical Port Name:' with the value 'CO_HR_GB_EFO_EAS_OUT_13_HCI_PORT' and 'Logical Port is Default:' with a checked checkbox. Below these is a 'Description:' field with the value 'Port for CO_HR_GB_EFO_EAS_OUT_13'.

6. Select *User ID / Password*. Enter the user name and password of the SCI user. Then click *Next*.

The screenshot shows the 'New Manual Configuration of Logical Port for Consumer Proxy' wizard at step 2: 'Consumer Security'. The title bar reads 'New Manual Configuration of Logical Port for Consumer Proxy 'CO_HR_GB_EFO_EAS_OUT_13''. The progress bar highlights step 2. Below the progress bar are buttons for 'Back', 'Next', 'Finish', and 'Cancel'. The main section is titled 'Configuration of Consumer Settings without WSDL Document. LP=CO_HR_GB_EFO_EAS_OUT_13_HCI_PORT'. Under 'Authentication Level: Basic', the 'Authentication Settings' section has three radio button options: 'User ID / Password' (selected and highlighted with a red box), 'SAP Authentication Assertion Ticket', and 'X.509 SSL Client Certificate'. Below this is the 'User ID/Password' section with 'User Name:' and 'Password:' text input fields.

7. Enter the relevant information and then click *Next*.

New Manual Configuration of Logical Port for Consumer Proxy 'CO_HR_GB_EFO_EAS_OUT_13'

1 Logical Port Name 2 Consumer Security **3 HTTPSettings** 4 SOAP Protocol 5 Identifiable Business Context 6 Operation Settings

Back Next Finish Cancel

URL Access Path

URL URL components

* URL:

Logon Language:

Proxy

Name of Proxy Host:

Port Number of Proxy Host:

User Name for Proxy Access:

Password of Proxy User:

Transport Binding

Make Local Call:

* Transport Binding Type:

Maximum Wait for WS Consumer:

Optimized XML Transfer:

Compress HTTP Message:

Compress Response:

- o URL Access Path
Enter the endpoint URL of iflmap of the SCI tenant on which your Integration Flow is deployed.
For example, <https://...hana.ondemand.com/cxf/HCI/PAYROLL/UK/EAS>.
 - o Enter Transport Binding
Make sure that Maximum Wait is **999** and the Compress Response is **False**.
8. In SOAP Protocol, select *Suppress ID Transfer* for Message ID Protocol. Click *Next*.

New Manual Configuration of Logical Port for Consumer Proxy 'CO_HR_GB_EFO_EAS_OUT_13'

1 Logical Port Name 2 Consumer Security 3 HTTPSettings **4 SOAP Protocol** 5 Identifiable Business Context 6 Operation Settings

Back Next Finish Cancel

Message ID (Synchronous)

Message ID Protocol:

Metering of Service Calls

Data transfer scope:

Transfer protocol:

9. Proceed with the default settings and click *Finish*. /cxf/HCI/PAYROLL/UK/EPS18-19

10. On the *Define Logical Ports* page, select the entry and click *Activate*.

Repeat the same procedure to set up the proxies for all the reports. See the following table for the proxy object names and port names used in step 3 and step 5:

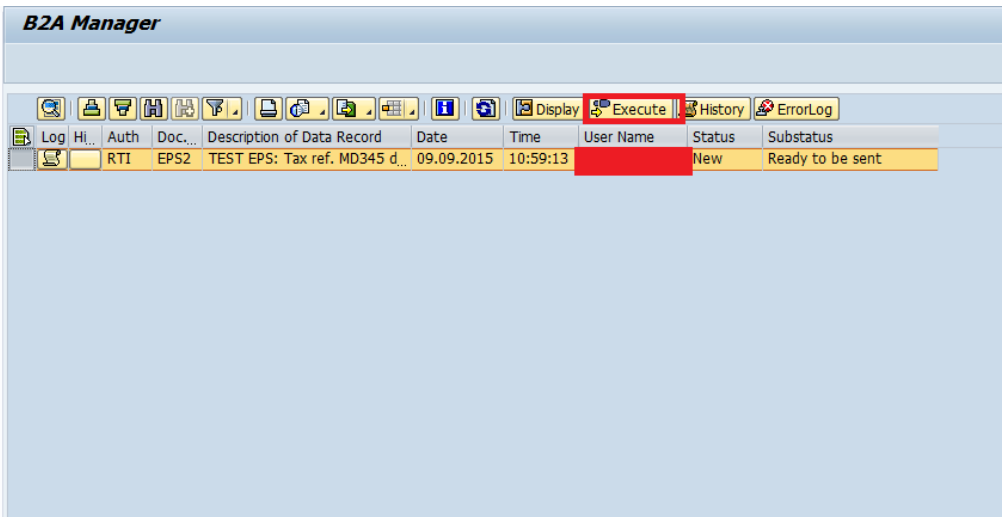
Integration Flow	Corresponding Report in Employee Central Payroll	Object Name	Port Name to be configured	URL access path	Comment
Full Payment Submission (FPS) - XXXX-XX	RPCFPSG0	CO_HR_GB_EFO_FPS_OUT_18	CO_HR_GB_EFO_FPS_OUT_HCI_PORT	/cxf/HCI/PAYROLL/UK/FPS18-19	Object names and port names for these Integration Flows change every year. Therefore, you must reconfigure the proxies for these reports once
Employer payment Summary (EPS) - XXXX-XX	RPCEPSG0	CO_HR_GB_EFO_EPS_OUT_18	CO_HR_GB_EFO_EPS_OUT_18_HCI_PORT	/cxf/HCI/PAYROLL/UK/EPS18-19	
Earlier Year Update (EYU) - XXXX-XX	RPCEYUG0	CO_HR_GB_EFO_EYU_OUT_18	CO_HR_GB_EFO_EYU_OUT_18_HCI_PORT	/cxf/HCI/PAYROLL/UK/EYU17-18	
Expenses And Benefits (EXB) - XXXX-XX	RPCP11G0 (P11D)	CO_HR_GB_EFO_EXB_OUT_18	CO_HR_GB_EFO_EXB_OUT_HCI_PORT	/cxf/HCI/PAYROLL/UK/EXB	
Employer Alignment Submission (EAS)	RPCEASG0	CO_HR_GB_EFO_EAS_OUT_13	CO_HR_GB_EFO_EAS_OUT_13_HCI_PORT	/cxf/HCI/PAYROLL/UK/EAS	Object names and port names for these Integration Flows remain the same every year. Therefore, you configure the proxies for these reports once only .
Polling	n/a	CO_HR_GB_EFO_RESP_OUT	CO_HR_GB_EFO_RESP_OUT_HCI_PORT	/cxf/HCI/PAYROLL/UK/POLL	
Incoming DPS	RPUEFI_START_POLL	CO_HR_GB_EFI_DPSREQUEST_TOKEN1	CO_HR_GB_EFI_DPSREQUEST_TOKEN1_HCI_PORT	/cxf/HCI/PAYROLL/UK/DPS	
		CO_HR_GB_EFI_DPSRETRIEVE1	CO_HR_GB_EFI_DPSRETRIEVE1_HCI_PORT	/cxf/HCI/PAYROLL/UK/DPSRETRIEVE	

5 Testing

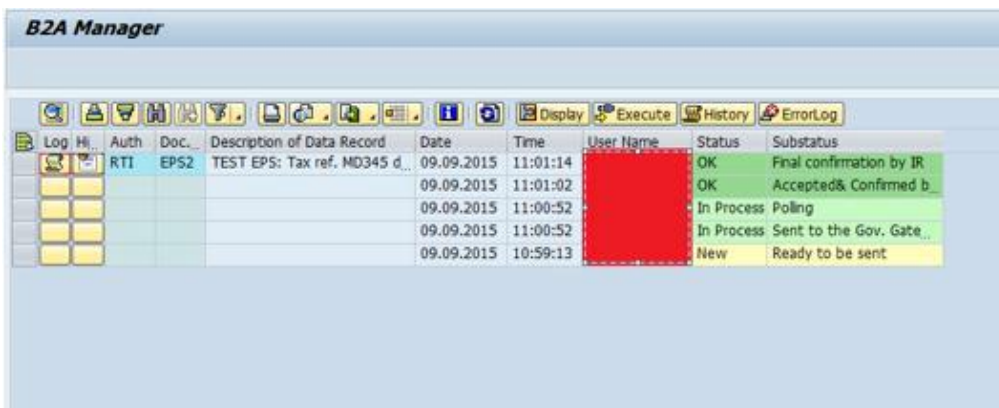
5.1 Testing outbound reports

Take the following steps to test the outbound reporting function. Here we use the **Employer Payment Submission (EPS) Report (RPCEPSG0)** as an example.

1. Go to transaction SE38.
2. Enter the report name `RPCEPSG0` and choose the Execute (F8) button.
3. Enter the relevant selection criteria and choose the Execute (F8) button.
4. In the output screen, click **B2A Manager**, select the record, and choose the Execute (F8) button.



Result: The file is submitted successfully to the government gateway.

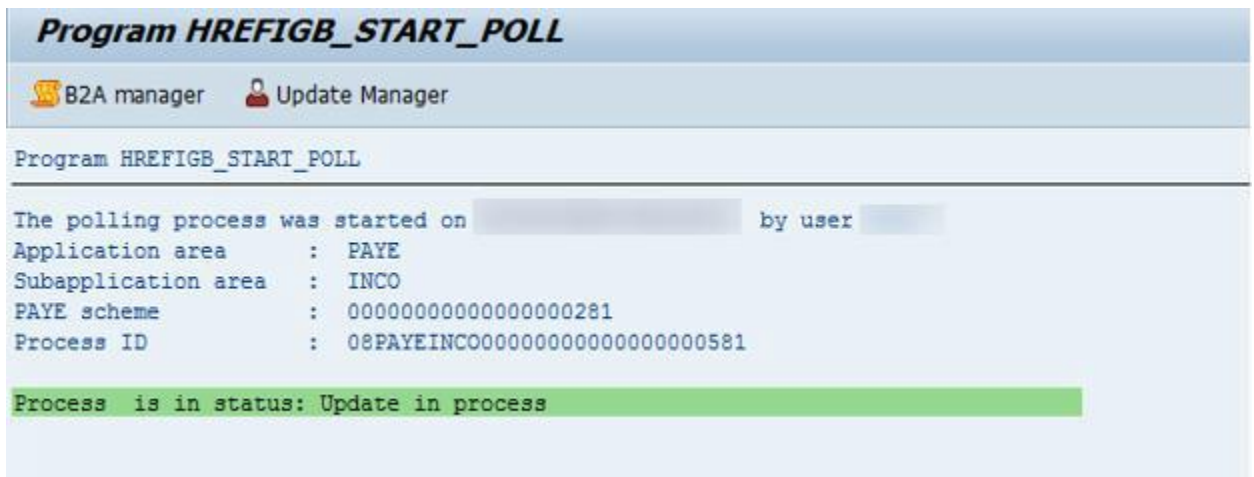


Follow the same procedure to test the other outgoing reports:

- RPCEASG0: Employer Alignment Submission (EAS) Report
- RPCFPG0: Full Payment Submission (FPS) Report
- RPCEYUG0: Earlier Year Update (EYU)
- RPCP11G0: Summary of Taxable Benefits for End-of-Year Reporting (P11D)

5.2 Testing inbound report

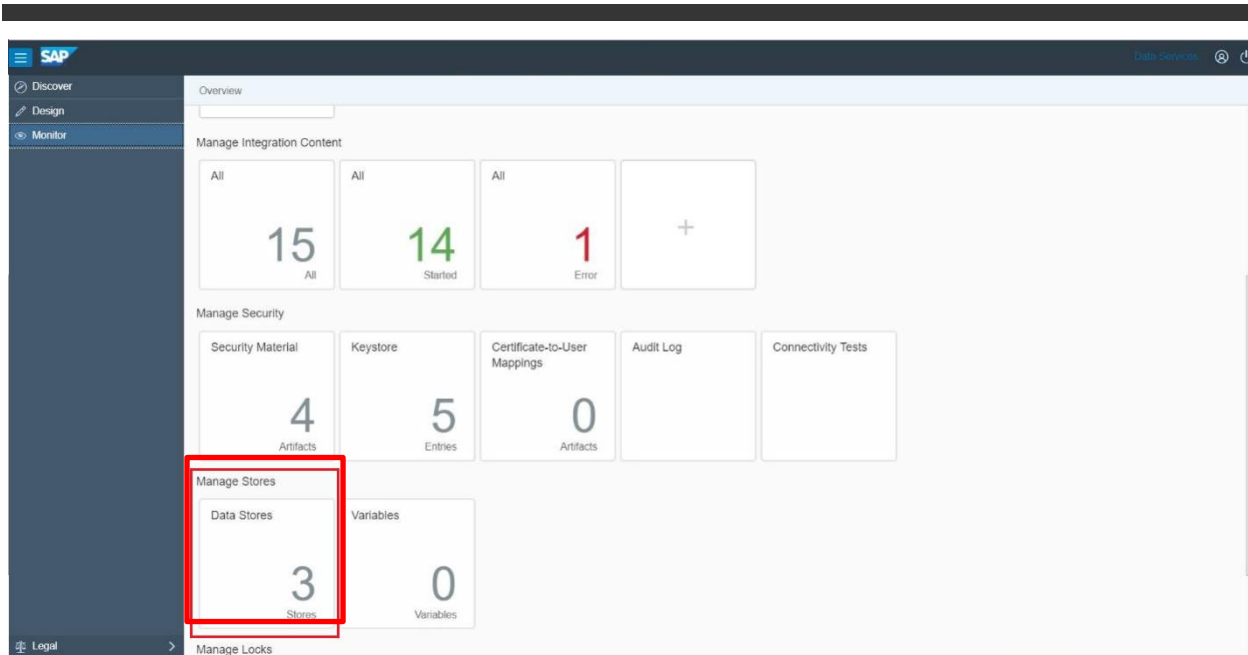
In the Employee Central Payroll system, execute the report `RPUEFI_START_POLL` to run the Data Provisioning scenario.



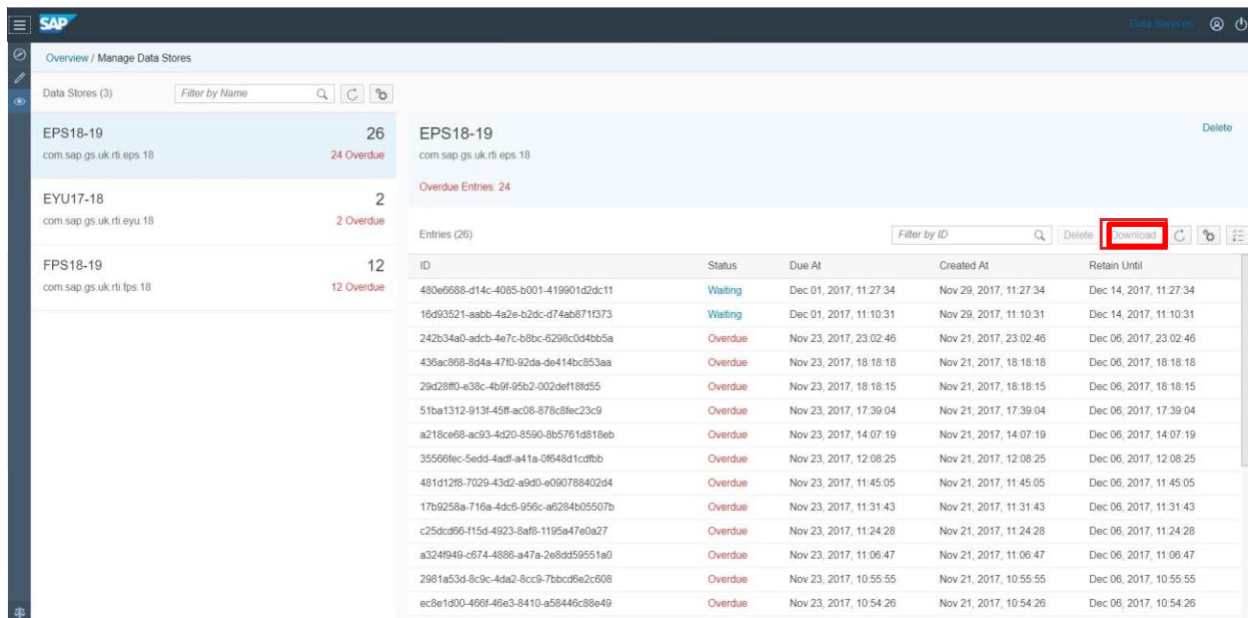
For more information, see the [More Information](#) section.

5.3 Verifying the payload

1. Navigate to SCI tenant and choose *Monitor* from the upper left hand side.
2. Choose *Data Stores* from the *Manage Stores* section.



3. Choose the Integration Flow name you require. System displays the list of the communications in the sequence they are triggered.



4. You can select a specific communication by choosing the specific time stamp.
5. You can download the communication and open it any text editor.

6 Appendix: Undeploying and Deleting Integration Flows of Previous Year

The Integration Flows in package *Payroll e-Filing of Employees' Payments and Deductions for United Kingdom: FPS, EPS, EYU, and EXB Scenarios for the Year XXXX-XX* must be updated and deployed every year. Therefore, if you have already deployed these Integration Flows in the previous year, you must undeploy and delete the old Integration Flows before deploying the Integration Flows for the current year.

How do I undeploy Integration Flows?

1. In your SCI tenant, choose *Monitor* from the menu in the upper left corner.
2. Under *Integration Content Monitor*, choose the *Started* tile.

3. Select the Integration Flow that you want to undeploy and then click *Undeploy*.

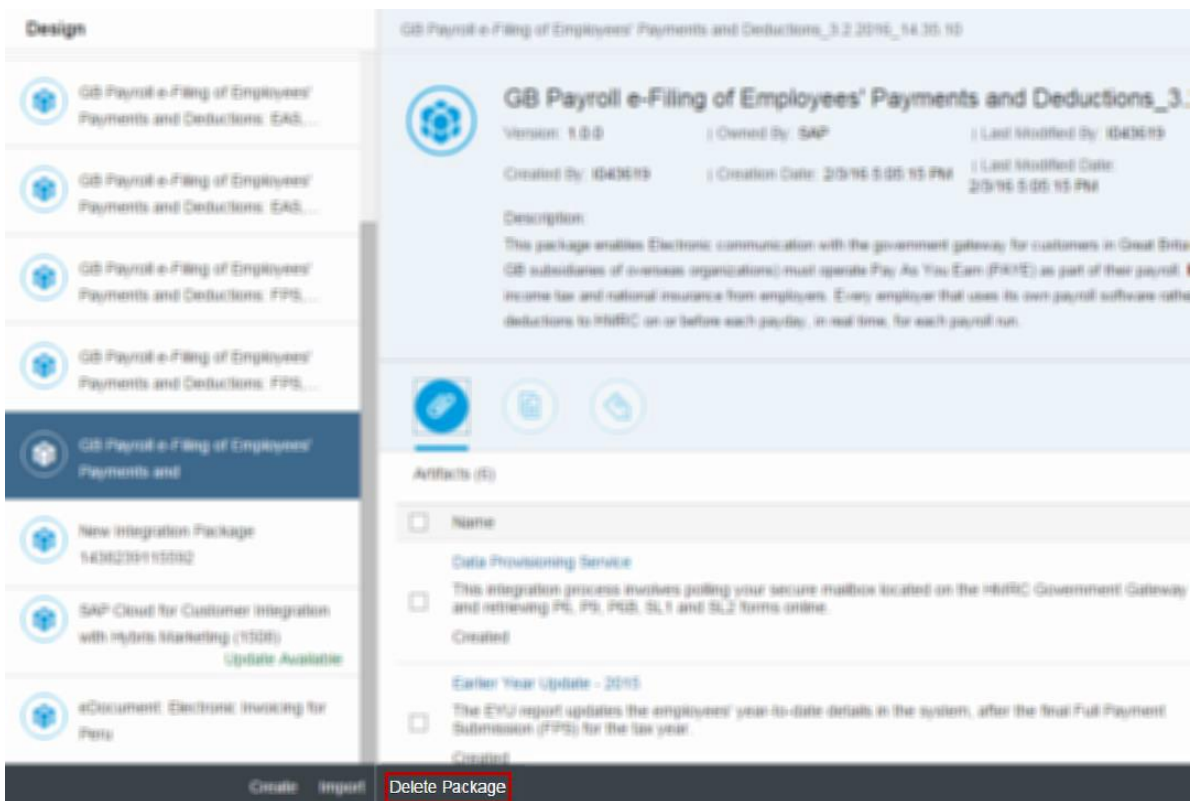
Integration Content (17)						Download	Undeploy	Refresh	Filter	Help
Employee Self-Service - 2015	1.0.0	Integration Flow	1000000	Mar 10, 2016, 18:08:34	Started (1)					
FPS_2015	1.0.0	Integration Flow	1000010	Mar 04, 2016, 17:32:30	Started (1)					
Data Processing Service	1.0.0	Integration Flow	1001000	Mar 04, 2016, 16:59:27	Started (1)					
Integration	1.0.0	Integration Flow	1000000	Mar 02, 2016, 17:16:10	Started (1)					
Integration for HR	1.0.0	Integration Flow	1000010	Feb 22, 2016, 14:16:51	Started (1)					
Employee Payment Summary - 2015	1.0.0	Integration Flow	1000010	Feb 17, 2016, 16:26:14	Started (1)					
Earlier Year Update - 2015	1.0.0	Integration Flow	1000010	Feb 17, 2016, 16:26:01	Started (1)					

4. After the system undeploys the Integration Flow, check that the number on the *Started* tile is reduced by one and the Integration Flow is no longer in the list of started artifacts.
5. Repeat the above steps to undeploy each of the Integration Flows of the previous year.

How do I delete Integration Flows?

Integration Flows cannot be deleted one by one. To delete the Integration Flows of the previous year, you must delete the package that contains these old Integration Flows.

1. In your SCI tenant, from the menu in the upper left corner, choose *Design*.
2. Click the package that contains the old Integration Flows (that is, the package with the year number of the previous year), and then select *Delete Package* in the lower left corner on the right panel.





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