

Implementation Guide

SAP SuccessFactors Employee Central Payroll
Document Version: Q2 2017

CUSTOMER

e-Filing of Employees' Payments and Deductions 2017-18 (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 (SCI).

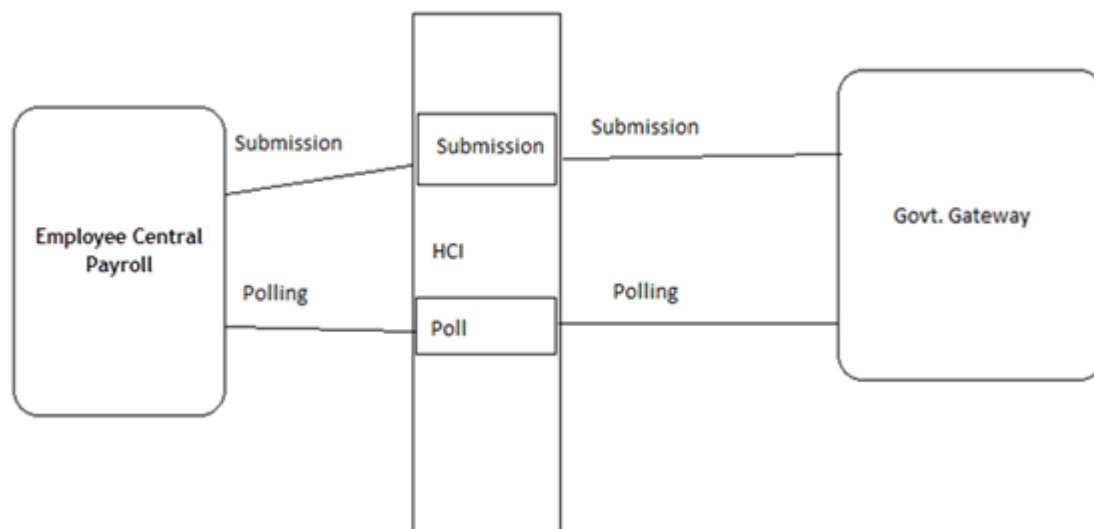
In order to get SCI working, there are some required steps on both the Employee Central Payroll system and the SCI tenant. These steps are typically taken care of by an SCI consulting team, who is responsible for configuring the Employee Central Payroll-SCI connection and maintaining the integration 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 (SCI) 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 (SCI), make sure that the following prerequisites are met.

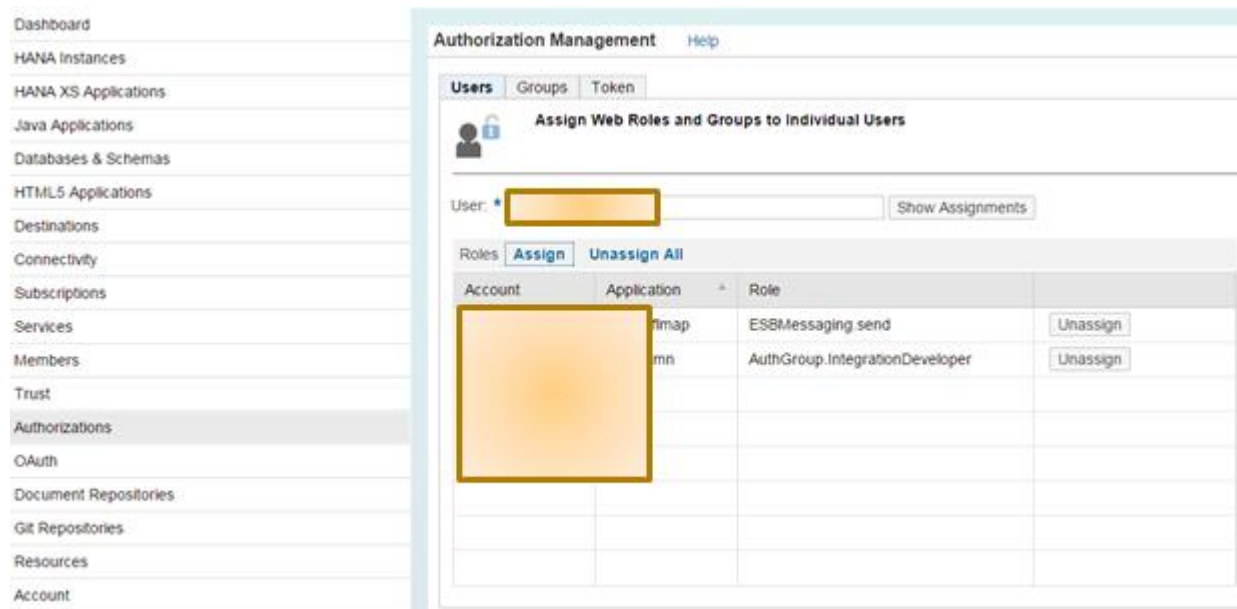
3.1 Prerequisites on the SCI side

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:

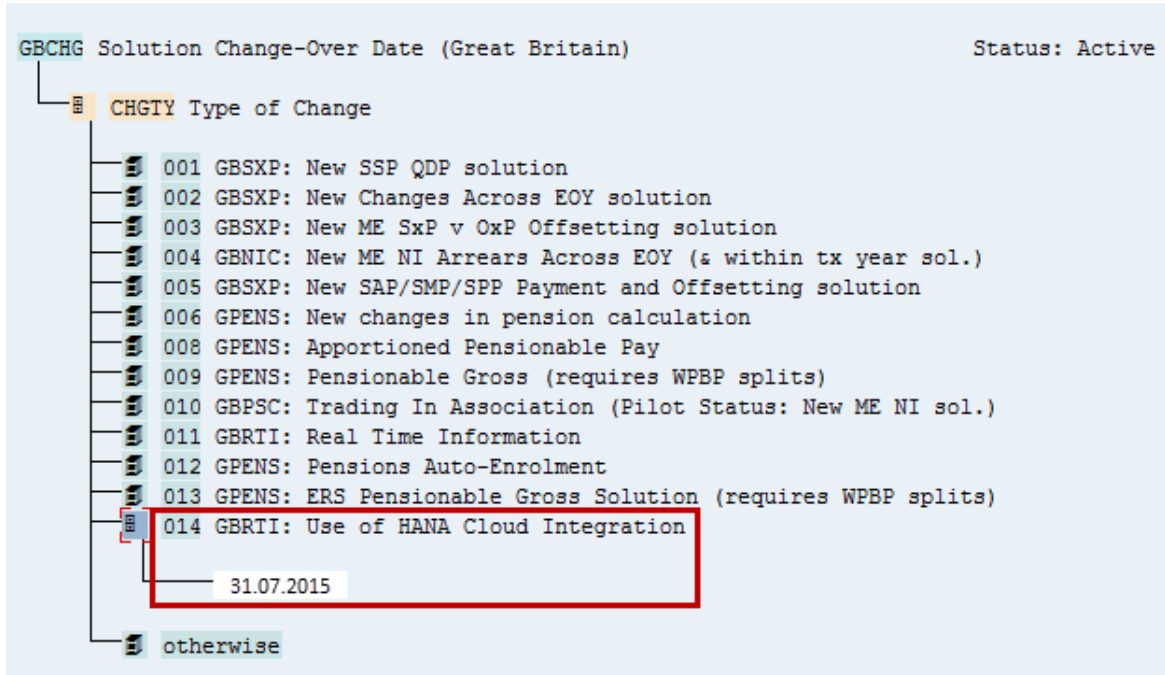
- ESBMessaging.send on the iflmap application.
This permission is required so that Employee Central Payroll system and SCI system can communicate with each other.
- AuthGroup.IntegrationDeveloper on the tmn application.
This permission is required so that integration iFlows can be deployed on the SCI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



3.2 Prerequisites on the Employee Central Payroll side

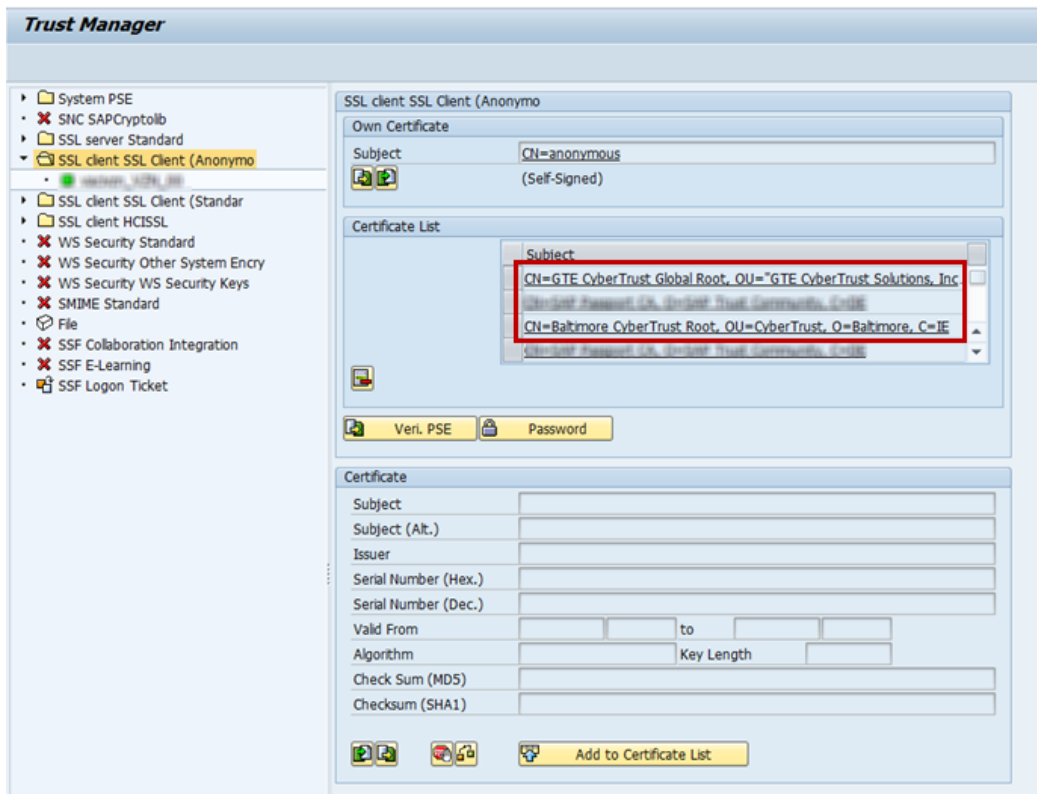
- Make sure that the Employee Central Payroll system is on **SP 39 of SAP_HRCGB 608**. If not yet, request the upgrade of Support Package via support ticket.
- Make sure that feature **GBCHG** has been activated in the Employee Central Payroll system.



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 PEO3.
 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

UK Payroll e-Filing of Employees' Payments and Deductions consists of two packages:

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

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

UK Payroll e-Filing of Employees' Payments and Deductions: EAS, DPS, and Polling Scenarios

Version: 1.0.0 | Owned By: SAP | Last Modified By: I323686 | Mode: [Editable](#)
Created By: I323686 | Creation Date: 3/4/16 12:35:22 PM | Last Modified Date: 1/18/17 10:09:25 AM
Submitter: I323686 | Submitted Date: 4/20/16 4:09:06 PM | Status: Approved

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 three iFlows: Employer Alignment Submission (EAS), Data Provisioning Service (DPS), and Polling. These iFlows will not change annually, unless there is a legal change announced by the government.

Besides this package, you must also deploy all the iFlows of package **UK Payroll e-Filing of Employees' Payments and Deductions: FPS, EPS, EYU, and EXB Scenarios for the Year XXXX-XX** for the e-Filing of Employees' Payments and Deductions for the United Kingdom to work.

Name	Version	Type	Actions
Data Provisioning Service			
<input type="checkbox"/> 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	
Employer Alignment Submission			
<input type="checkbox"/> 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	
Polling			
<input type="checkbox"/> 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. Created	1.0.0	Process Integration	

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

This package consists of four iFlows 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 iFlows and the year number in the package name.



UK Payroll e-Filing of Employees' Payments and Deductions: FPS, EPS, EYU, and EXB Scenarios for the Year 2017-18

Version: 1.0.1 | Owned By: SAP | Last Modified By: I323686 | Mode: [Editable](#)
 Created By: I323686 | Creation Date: 12/17/16 5:37:09 PM | Last Modified Date: 1/18/17 10:13:48 AM

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



Artifacts (4)

Actions

<input type="checkbox"/>	Name	Version	Type	Actions
<input type="checkbox"/>	Earlier Year Update - 2016-17 The EYU report updates the employees' year-to-date details in the system, after the final Full Payment Submission (FPS) for the tax year. Created	1.0.0	Process Integration	
<input type="checkbox"/>	Employer Payment Summary - 2017-18 The EPS is used to report the Apprenticeship Levy and to reclaim statutory maternity, paternity, adoption or shared parental payments, reclaim Construction Industry Scheme (CIS) deductions and to notify Her Majesty's Revenue and Customs (HMRC) if no employee Created	1.0.0	Process Integration	
<input type="checkbox"/>	Expense And Benefit - 2016-17 Summary of Taxable Benefits for End-of-Year Reporting Great Britain the United Kingdom. Created	1.0.0	Process Integration	
<input type="checkbox"/>	Full Payment Submission - 2017-18 The FPS report generates a XML file with the full payment details of Pay As You Earn (PAYE) tax for all employees. The generated XML file will have the tax payment details for each payroll period in the Real Time Information (RTI) format as specified. Created	1.0.0	Process Integration	

Perform the following tasks to set up the iFlows 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 iFlows to Workspace	Once only for package <i>UK Payroll e-Filing of Employees' Payments and Deductions: EAS, DPS, and Polling Scenarios</i>	Copy iFlows to Workspace
3. Configure iFlows		Configure iFlows
4. Deploy iFlows	Once every year for package <i>UK Payroll e-Filing of Employees' Payments and Deductions: FPS, EPS, EYU, and EXB Scenarios for the Year XXXX-XX</i>	Deploy iFlows on test and productive tenants

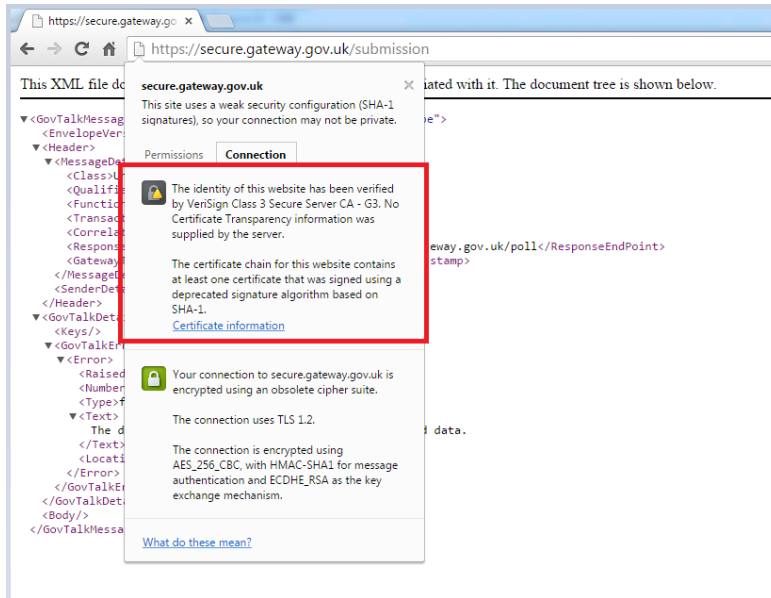
4.1.1 Deploy certificates and credentials to SCI tenants

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.

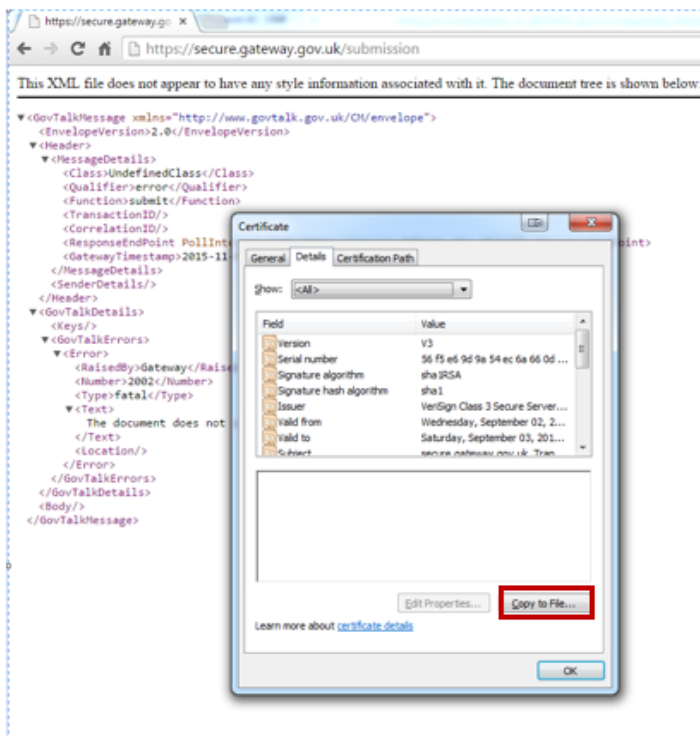
How do I deploy certificates to SCI tenants?

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

1. Enter the URL <https://secure.gateway.gov.uk/submission>
2. Navigate to the *Connection* tab page and click *Certificate Information*.



3. Copy the certificate to a file using the *Copy to File* button and save it to your machine.



4. Repeat steps 1-3 for the URL <https://dps.ws.hmrc.gov.uk/dpsauthentication/service>.
5. Open a ticket to SCI Cloud Operations and request them to update Java Keystore with the certificates.

4.1.2 Copy iFlows to workspace

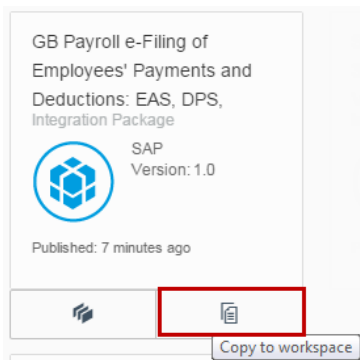
Take the following steps to copy all iFlows in the two packages to your workspace:

Note

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

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

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 to Workspace*.



5. Repeat steps 3 and 4 for the other package.

Each iFlow corresponds to one report or one service.

Package	iFlow	Corresponding Report in Employee Central Payroll
<i>UK Payroll e-Filing of Employees' Payments and Deductions: FPS, EPS, EYU, and EXB Scenarios for the Year XXXX-XX</i> Note: XXXX-XX means the financial year, for example 2017/18	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>UK Payroll e-Filing of Employees' Payments and Deductions: EAS, DPS, and Polling Scenarios</i>	Employer Alignment Submission (EAS)	RPCEASG0
	Polling	n/a
	Incoming DPS	RPUEFI_START_POLL

4.1.3 Configure iFlows

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

4.1.3.1 Configure iFlows for outbound reports

You must configure the following iFlows for outbound reports:

iFlows for Outbound Reports	Package
Full Payment Submission (FPS) - XXXX-XX	<i>UK Payroll e-Filing of Employees' Payments and Deductions: 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>UK Payroll e-Filing of Employees' Payments and Deductions: EAS, DPS, and Polling Scenarios</i>
<p>Polling</p> <p>Note</p> <p>Polling is used by all other iFlows for outbound reports to collect response from government gateway (HMRC) to Employee Central Payroll system. It must be configured before any other outbound iFlows can be used.</p>	

Take the following steps to configure the iFlows for outbound reports:

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

Artifacts (3)

<input type="checkbox"/>	Name	Version	Type	Actions
<input type="checkbox"/>	<p>Data Provisioning Service</p> <p>This integration process polls your secure mailbox located on the HMRC Government Gateway to retrieve P6, P9, P6B, SL1 and SL2 forms.</p> <p>Created</p>	1.0.0	Process Integration	<ul style="list-style-type: none"> View metadata Download Configure Deploy
<input type="checkbox"/>	<p>Employer Alignment Submission</p> <p>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.</p> <p>Created</p>	1.0.0	Process Integration	<ul style="list-style-type: none"> Deploy
<input type="checkbox"/>	<p>Polling</p> <p>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</p> <p>Created</p>	1.0.0	Process Integration	<ul style="list-style-type: none"> Deploy

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

← Configure "Employer Alignment Submission"

Receiver

Receiver:

Adapter Type:

Address:

Authentication Type:



Private Key Alias:

- *Receiver*
Select *Receiver_submit* from the dropdown menu.
 - *Adapter Type*
Select *HTTP*.
 - *Address*
Enter the URL: <https://secure.gateway.gov.uk/submission>
For iFlow *Polling*, enter this URL: <https://secure.gateway.gov.uk/poll>.
 - *Private Key Alias*
Enter the alias of the certificate downloaded from the HMRC website.
5. After changing the parameters, choose *Save*.
 6. Repeat steps 2-5 for each of the iFlows for outbound reports.

4.1.3.2 Configure iFlow for inbound report

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

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

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	 View metadata Download Configure Deploy
<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. 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

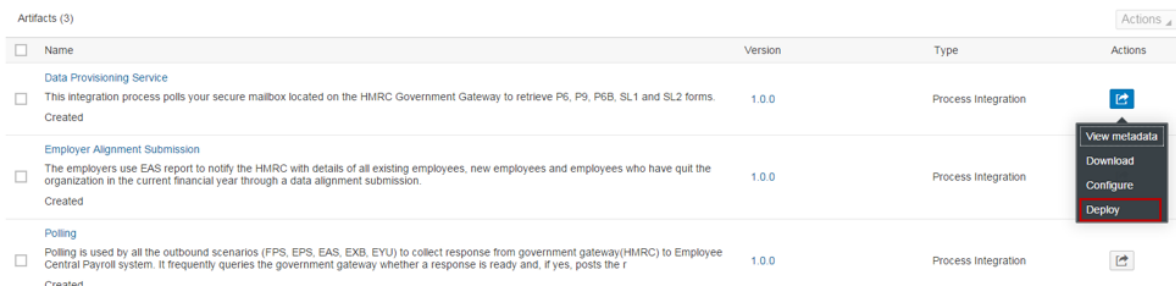
Enter the URL: <https://dps.ws.hmrc.gov.uk/dps/service>




5. Choose *Save*.

4.1.4 Deploy iFlows on test and productive tenants

Take the following steps to deploy the iFlows 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.
3. For the iFlow that you want to deploy, choose *Actions -> Deploy*.



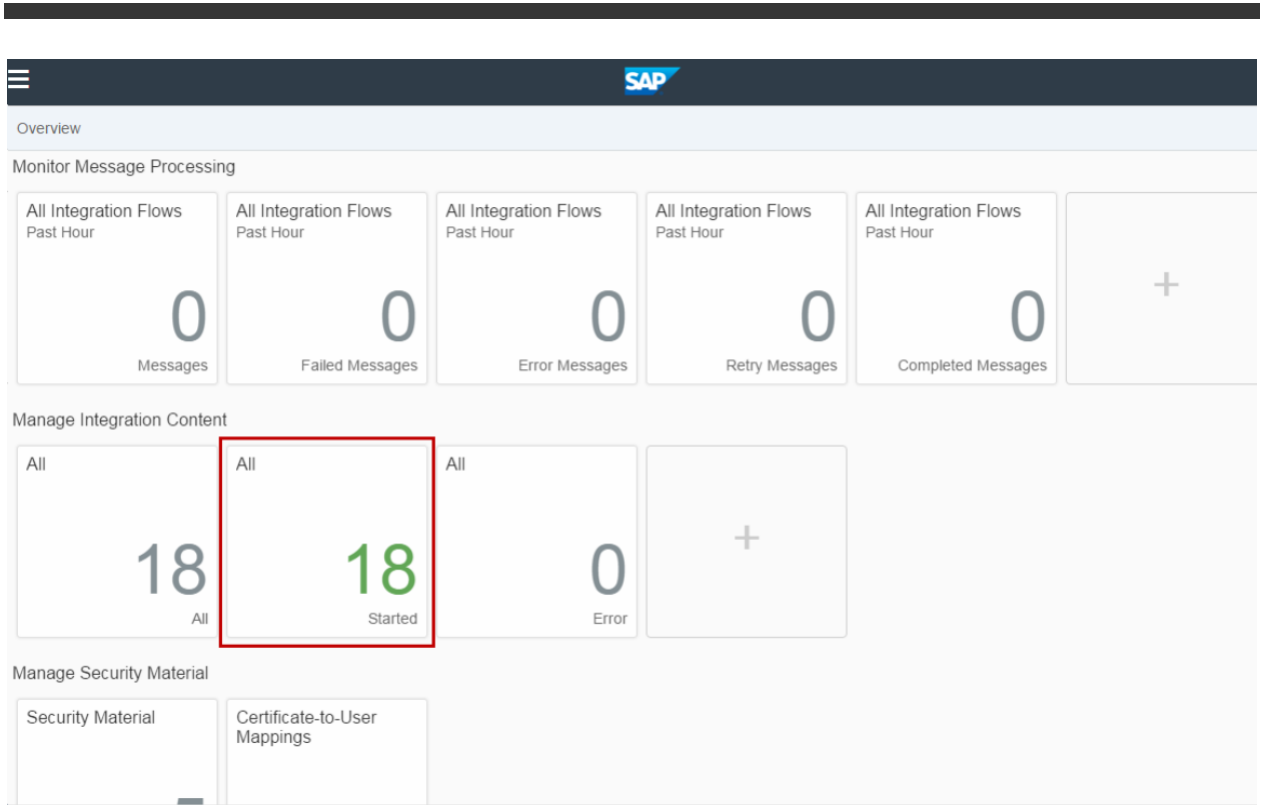
Artifacts (3)				Actions
<input type="checkbox"/>	Name	Version	Type	Actions
<input type="checkbox"/>	Data Provisioning Service This integration process polls your secure mailbox located on the HMRC Government Gateway to retrieve P6, P9, P6B, SL1 and SL2 forms. Created	1.0.0	Process Integration	
<input 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	 View metadata Download Configure Deploy
<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 iFlows in both packages.

Note

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

5. Check and make sure all iFlows 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.



c. Check the deploy status of each iFlow.

If the *Status* is *Started*, it means the iFlow has been deployed successfully.

Status: Type: Artifact:

Integration Content (17)

Name	Version	Type	Deployed By	Deployed On	Status
Employer Alignment Submission	1.0.0	Integration Flow		Mar 08, 2016, 20:08:06	Started (1)
					Started (1)
					Started (1)
					Started (1)
					Started (1)

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. Click the *Started* hyperlink.

Status: Type: Artifact:

Integration Content (17)

Name	Version	Type	Deployed By	Deployed On	Status
Employer Alignment Submission	1.0.0	Integration Flow		Mar 08, 2016, 20:08:06	Started (1)
					Started (1)
					Started (1)
					Started (1)
					Started (1)

b. Note down the endpoint URL in the top right corner.

Artifact Details

Name: Employer Alignment Submission ID: com.sap.gs.uk.rti.eas_16	Version: 1.0.0 Type: Integration Flow	State: Possibly modified Deployed on: Mar 08, 2016, 20:08:06	Deployed by: [redacted] Endpoint: https://[redacted].hana.ondemand.com/cxrt/HCI/PAYROLL/UK/EAS
---	--	---	---

[vsa1013962.od.sap.biz](#)

No data available

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* (RPEASG0) 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 'General Configuration Settings' section contains the following fields:

- * Logical Port Name: CO_HR_GB_EFO_EAS_OUT_13_HCI_PORT
- Logical Port is Default:
- Description: 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 'Configuration of Consumer Settings without WSDL Document. LP=CO_HR_GB_EFO_EAS_OUT_13_HCI_PORT' section contains the following fields:

- Authentication Level: Basic
- Authentication Settings:
 - User ID / Password (highlighted with a red box)
 - SAP Authentication Assertion Ticket
 - X.509 SSL Client Certificate
- User ID/Password:
 - User Name:
 - Password:

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 HTTP Settings** 4 SOAP Protocol 5 Identifiable Business Context 6 Operation Settings

Back Next Finish Cancel

Transport Binding

* URL Access Path: /cxflHCI/PAYROLL/UK/EAS

Computer Name of Access URL: hana.ondemand.com

Port Number of Access URL: 443

URL Protocol Information: HTTPS

Logon Language: Language of User Context

Name of Proxy Host:

Port Number of Proxy Host:

User Name for Proxy Access:

Password of Proxy User:

Make Local Call: No Call in Local System

* Transport Binding Type: SOAP 1.1

Maximum Wait for WS Consumer: 999

Optimized XML Transfer: None

Compress HTTP Message: Inactive

Compress Response: False

- o URL Access Path
Enter **/cxflHCI/PAYROLL/UK/EAS**.
 - o Computer Name of Access URL
Enter the endpoint URL of iflmap of the SCI tenant on which your iFlow is deployed, removing the part **https://** and **/cxflHCI/PAYROLL/UK/EAS**
For example, the endpoint URL that you noted down for the iFlow is <https://...hana.ondemand.com/cxflHCI/PAYROLL/UK/EAS>. Then you enter **...hana.ondemand.com** as the computer name of access URL.
 - o Port Number of Access URL
Enter **443**.
 - o URL Protocol Information
Enter **HTTPS**.
 - o Enter other proxy settings
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

Reliable Messaging (Asynchr.)

RM Protocol:

Message ID (Synchronous)

Message ID Protocol:

Metering of Service Calls

Data transfer scope:

Transfer protocol:

9. Proceed with the default settings and click *Finish*.
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:

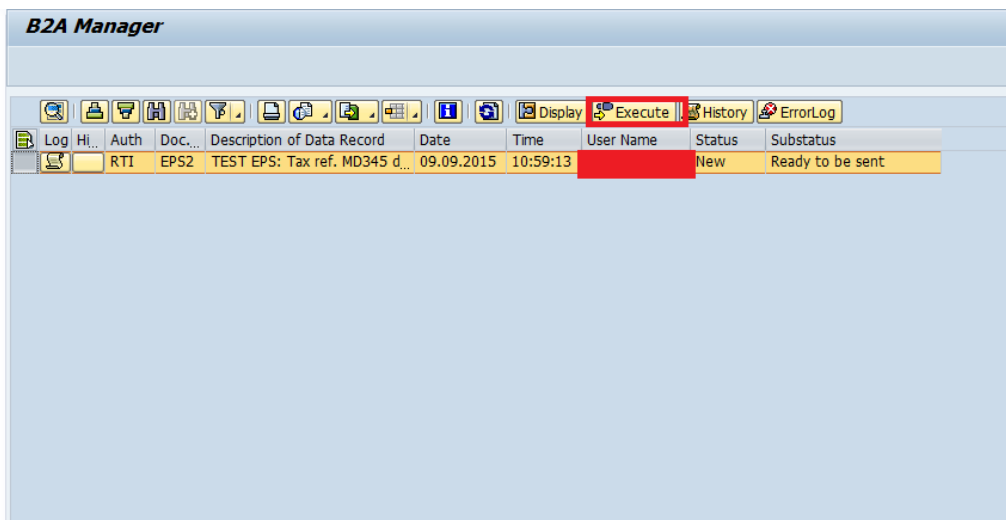
iFlow	Corresponding Report in Employee Central Payroll	Object Name	Port Name to be configured	URL access path	Comment
Full Payment Submission (FPS) - XXXX-XX	RPCFPSG0	CO_HR_GB_EFO_FPS_OUT_17	CO_HR_GB_EFO_FPS_OUT_HCI_PORT	/cxf/HCI/PAYROLL/UK/FPS	Object names and port names for these iFlows change every year. Therefore, you must reconfigure the proxies for these reports once every year .
Employer payment Summary (EPS) - XXXX-XX	RPCEPSG0	CO_HR_GB_EFO_EPS_OUT_17	CO_HR_GB_EFO_EPS_OUT_17_HCI_PORT	/cxf/HCI/PAYROLL/UK/EPS17-18	
Earlier Year Update (EYU) - XXXX-XX	RPCEYUG0	CO_HR_GB_EFO_EYU_OUT_17	CO_HR_GB_EFO_EYU_OUT_17_HCI_PORT	/cxf/HCI/PAYROLL/UK/EYU16-17	
Expenses And Benefits (EXB) - XXXX-XX	RPCP11G0 (P11D)	CO_HR_GB_EFO_EXB_OUT_17	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 iFlows 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

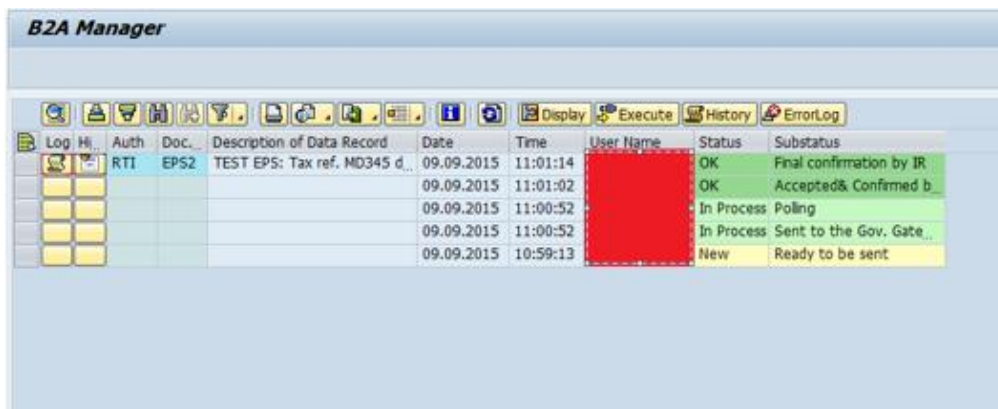
5.1 Testing outbound reports

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.

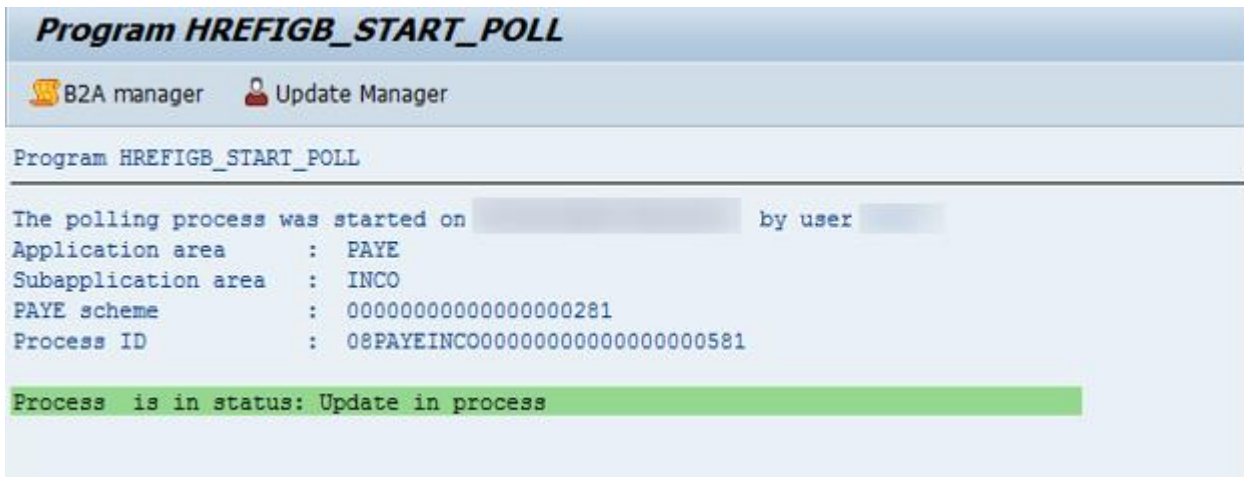


Follow the same procedure to test the other outgoing reports:

- RPCEASG0: Employer Alignment Submission (EAS) Report
- RPCFPSG0: 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.



```
Program HREFIGB_START_POLL
B2A manager Update Manager
Program HREFIGB_START_POLL
The polling process was started on [ ] by user [ ]
Application area : PAYE
Subapplication area : INCO
PAYE scheme : 000000000000000000281
Process ID : 08PAYEINCO00000000000000000581
Process is in status: Update in process
```

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

6 Appendix: Undeploying and Deleting iFlows of Previous Year

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

How do I undeploy iFlows?

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 iFlow that you want to undeploy and then click *Undeploy*.

Integration Content (17)						Download	Undeploy	Refresh	Filter	Sort
Employee Self-Service - 2016	1.0.0	Integration Flow	0000000	Mar 10, 2016, 18:08:34	Started (1)					
EPSU_2016	1.0.0	Integration Flow	0000000	Mar 04, 2016, 17:32:30	Started (1)					
Salary Processing Service	1.0.0	Integration Flow	0000000	Mar 04, 2016, 16:59:27	Started (1)					
Integration Flow	1.0.0	Integration Flow	0000000	Mar 02, 2016, 17:16:10	Started (1)					
UK Payroll e-Filing - 16	1.0.0	Integration Flow	0000000	Feb 22, 2016, 14:16:51	Started (1)					
Employee Payment Settlement - 2015	1.0.0	Integration Flow	0000000	Feb 17, 2016, 16:26:14	Started (1)					
Earlier Year Update - 2015	1.0.0	Integration Flow	0000000	Feb 17, 2016, 16:26:01	Started (1)					

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

How do I delete iFlows?

iFlows cannot be deleted one by one. In order to delete the iFlows of the previous year, you must delete the package that contains these old iFlows.

1. In your SCI tenant, from the menu in the upper left corner, choose *Design*.
2. Click the package that contains the old iFlows (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.

The screenshot displays the SAP Design Studio interface. On the left, a 'Design' sidebar lists several integration packages, with 'GB Payroll e-Filing of Employees' Payments and Deductions' selected. The main panel shows details for this package, including its version (1.0.0), owner (SAP), and creation/modification dates. Below the details, there is a section for 'Artifacts (5)' with a table listing 'Data Provisioning Service' and 'Earlier Year update - 2015'. At the bottom of the interface, a dark bar contains three buttons: 'Create', 'Import', and 'Delete Package', with the 'Delete Package' button highlighted by a red rectangular box.



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Material Number: