CUSTOMER

Feb 2025 English

Replicate Profit Center from SAP S/4HANA Public Cloud Edition to S/4HANA Private Cloud



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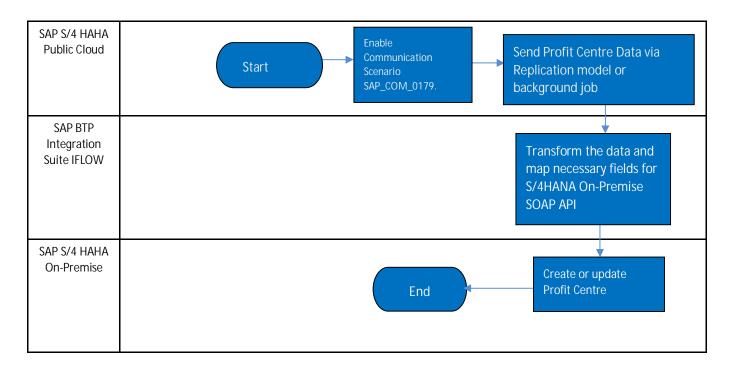
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1 Prerequisites

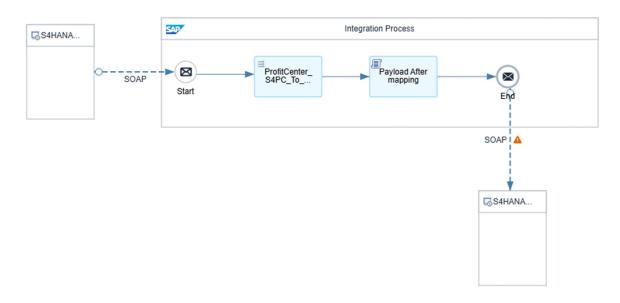
The following configurations are required when implementing this interface:

- 1. Cloud Connector is recommended to be setup for the connectivity between SAP BTP Integration Suite and S/4HANA On-Premise system.
- 2. Communication Scenario SAP_COM_0179 is activated in S/4HANA Public Cloud.
- 3. Data Replication Framework Configuration is completed within S/4HANA Public Cloud.
- 4. SOAMANAGER Logical Ports are setup in S/4HANA On-Premise.

2 Documentation



Profit Centre Replication Process Flow

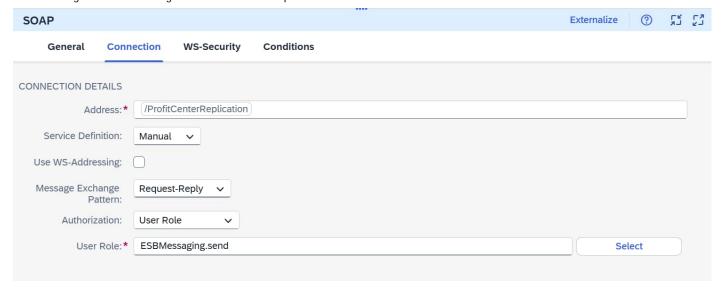


Profit Centre Replication Integration Flow

3 Configuration steps on SAP Cloud Integration

3.1 Configure Sender Adapter

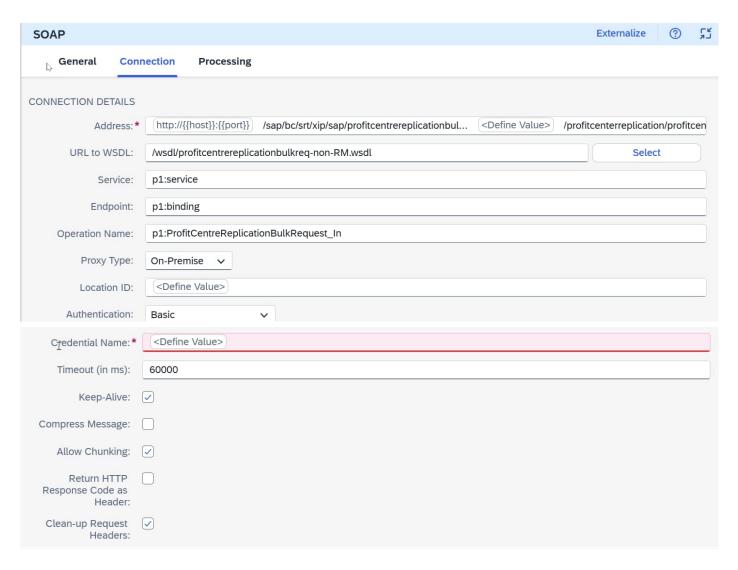
The following needs to be configured in the Sender Adapter:



Sender Adapter Configuration	nder Adapter Configuration		
Address	Configure a meaningful unique Address after a slash. This will be used from the S/4HANA Public Cloud Communication Arrangement URL.		
Service Definition	Manual		
User Role	This will depend on the preference of the organization, whether to use 'ESBMessaging.send' or Certificate Authentication		

3.2 Configure Receiver Adapter

The following needs to be configured in the Receiver Adapter:



Receiver Adapter Configuration		
Address	This will consist of the URL to the S/4HANA On-premise system and the indicated suffix in the standard package. The corresponding Client System ID has to be added as well.	
URL to WSDL	<maintain indicated="" same="" the="" url=""></maintain>	
Endpoint	<maintain endpoint="" indicated="" same="" the=""></maintain>	
Operation Name	<maintain indicated="" name="" operation="" same="" the=""></maintain>	
Proxy Type	On-Premise (for Cloud Connector setup)	
Location ID	Cloud Connector Location ID if applicable	
Authentication	Basic	
Credential Name	This is the Credential created within the SAP BTP Security Material section	
Timeout	60000	

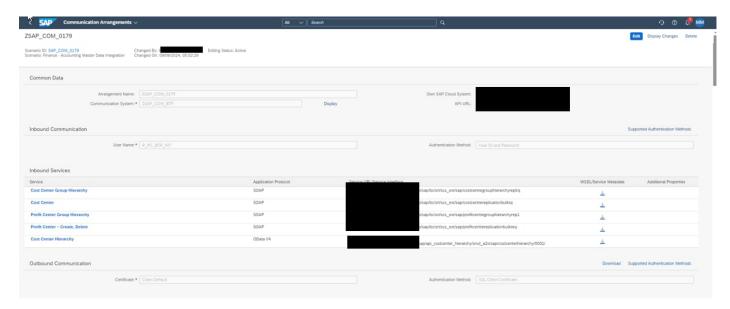
4 Configuration steps on S/4HANA Public Cloud

4.1 Communication System

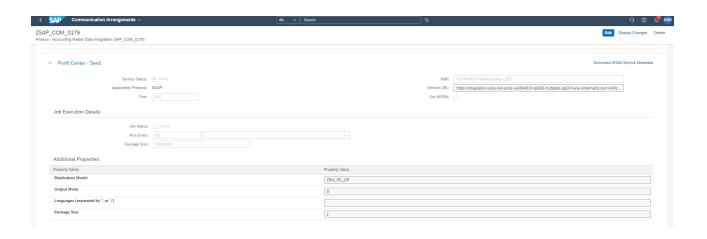
A communication system is a way for the SAP BTP Integration Suite to call standard Business Partner relevant APIs. The hostname is the application URL for the BTP application. This is then secured with OAUTH2 and client credentials for outbound, this is secured with BASIC for inbound.

4.2 Communication Arrangement

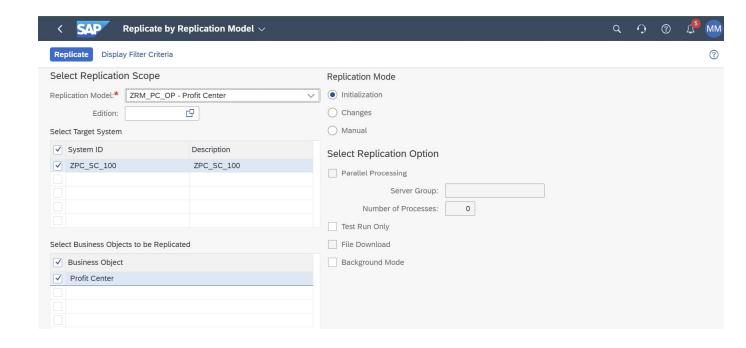
Needs to be set up to link the communication system with the scenario. In this case it will be using the standard communication scenario SAP_COM_0179.



In this section, the URL to the BTP Integration Suite IFLOW should also be added so the S/4HANA Public Cloud knows which URL to send the data to once the DRF is triggered.



Triggering the Profit Centre interface.



5 Configuration steps on S/4HANA On-Premise

Profit Centre is received within SAP S/4HANA On-Premise system via Standard SOAMANAGER SOAP API.

5.1 Activation of Standard SOAMANAGER Service

SOAMANAGER Logical Port

The Profit Centre data requires a Standard Service Definition to be activated with its Logical Port configured via SOAMANAGER to enable the receipt of data within S/4HANA On-Premise:

Service Definition: PROFITCENTREREPLICATIONBULKREQ

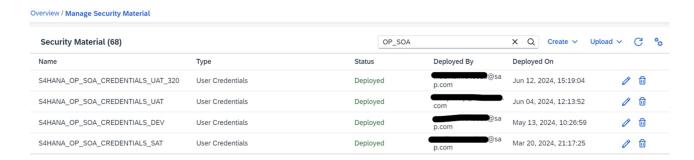
Logical Port: ProfitCenterReplication



6 Security and Authentication

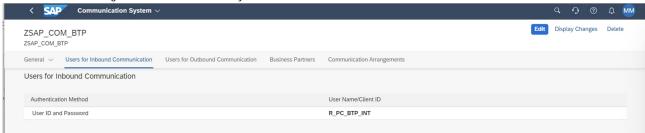
6.1 SAP BTP Integration Suite Security Material

SAP BTP Integration Suite will have the following to connect to SAP S/4HANA On-Premise system (depending on which instance – Sandbox, DEV, UAT). These will be referenced in the Integration Flows:



6.2 S/4HANA Public Cloud Security

The communication user will need to be created in the S/4HANA Public Cloud. This is then referenced in the ZSAP_COM_0179 Communication Arrangement/Communication System.



6.3 S/4HANA On-Premise Security

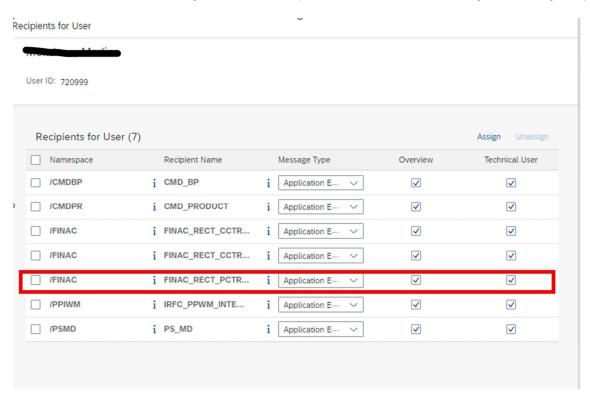
S/4HANA On-premise User and Password will need to be prepared by the SAP Security team and ensured that it has the appropriate authorizations to receive and process the Profit Centre API.

7 Error Handling

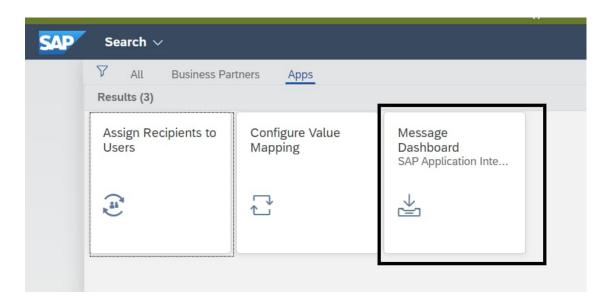
7.1 SAP S/4HANA Public Cloud Interface Monitoring

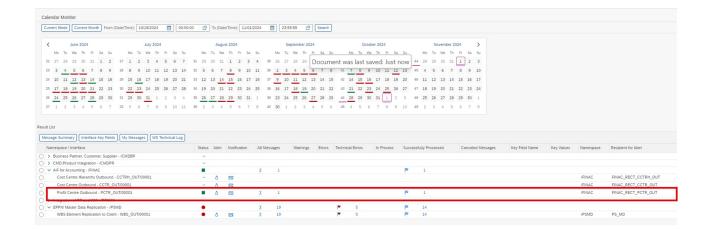
AIF Monitor:

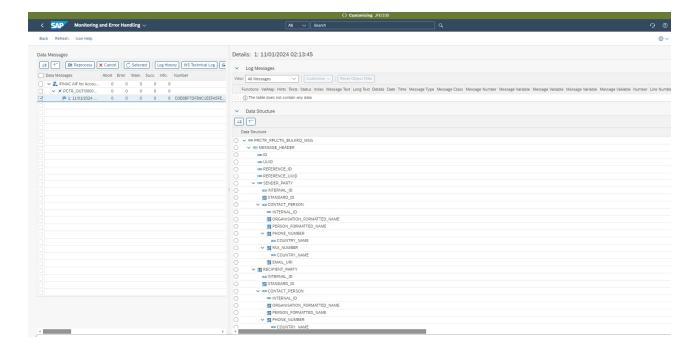
Ensure that the user has the following access to AIF Namespace (/FINAC for Financial Accounting) in view "Assign Recipients to Users":



Standard AIF Monitoring can be accessed via the App 'Message Dashboard SAP – Application Interface Framework'







7.2 S/4HANA On-Premise

User can monitor the error log via transaction code /n/IWFND/ERROR_LOG or SRT_UTIL or SRT_MONI.