Feb 2025 English

Replicate Cost Centre from SAP S4HANA Public Cloud Edition to S4HANA Private Cloud



Content

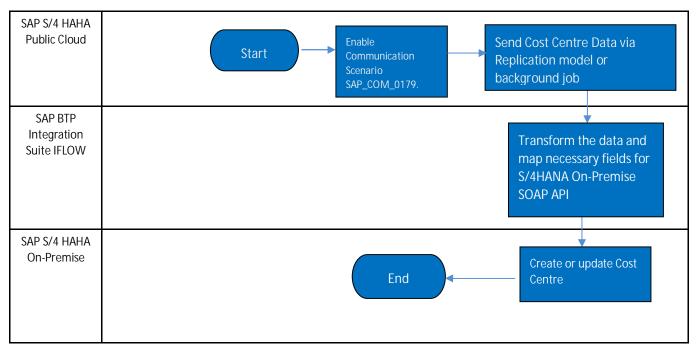
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1 Prerequisites

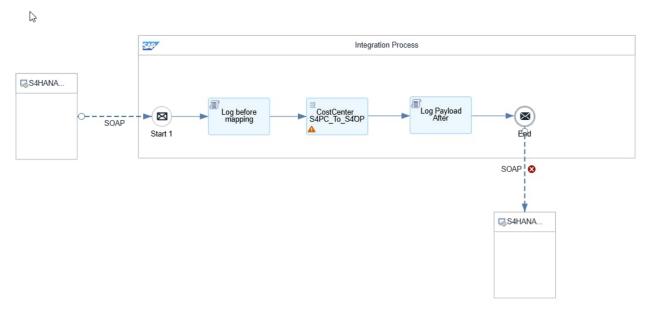
The following configurations are required when implementing this interface:

- 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



Cost Centre Replication Process Flow

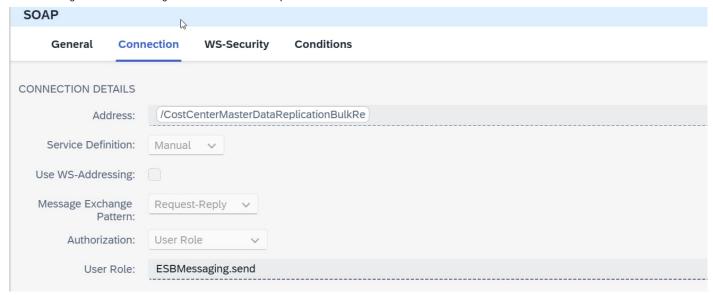


Cost Centre Replication Integration Flow

3 Configuration steps on SAP Cloud Integration

3.1 Configure Sender Adapter

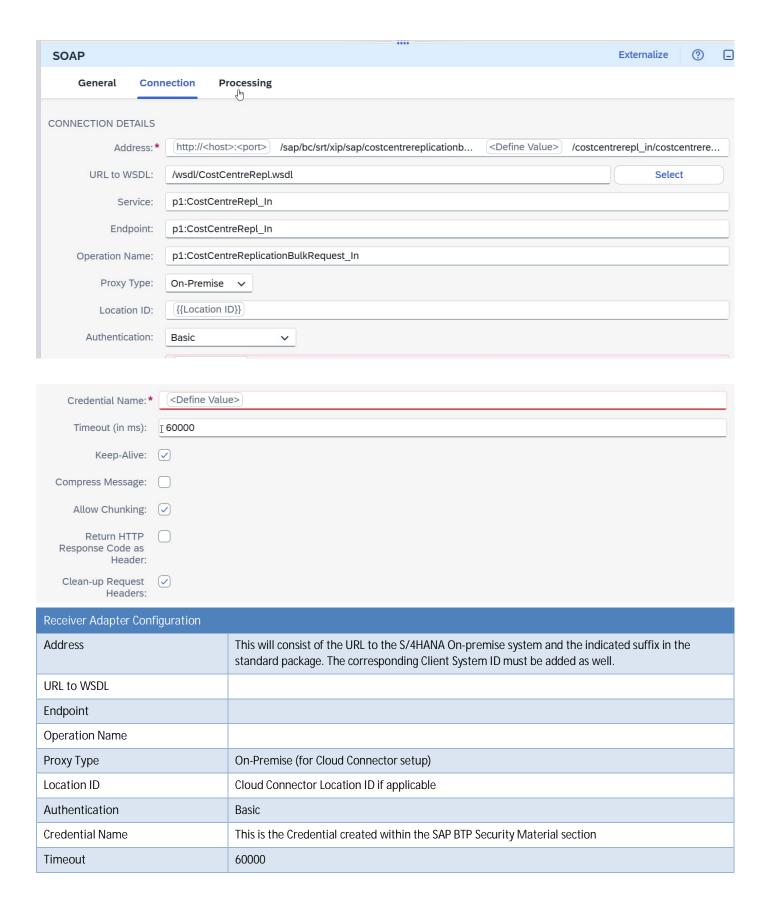
The following needs to be configured in the Sender Adapter:



Sender Adapter Configuration	der 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:



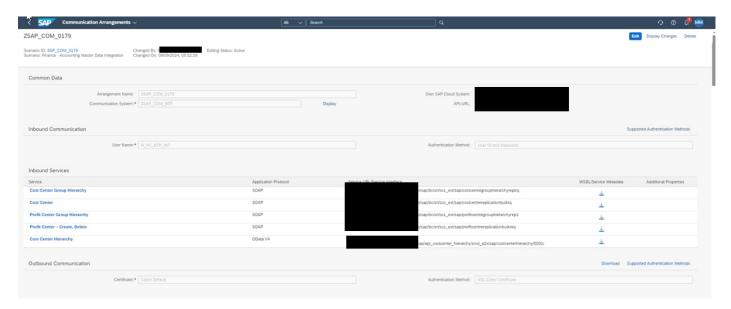
4 Configuration steps on S/4HANA Public Cloud

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.

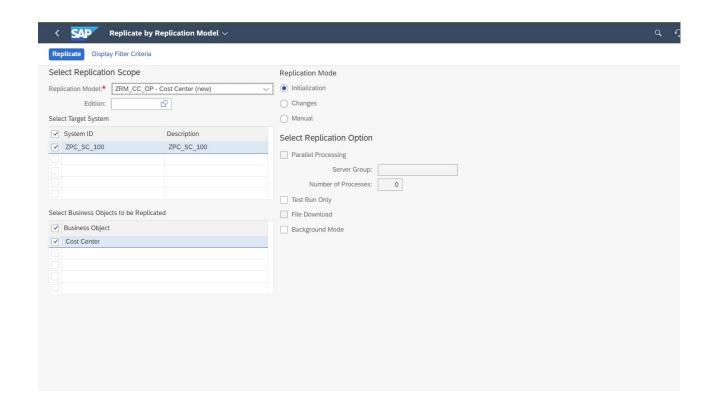
4.2 Communication Arrangement

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 Cost Centre interface.



5 Configuration steps on S/4HANA On-Premise

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

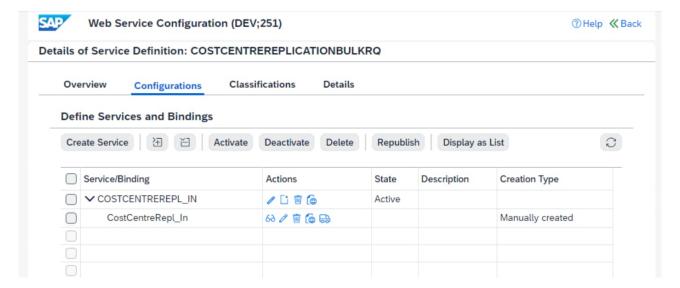
5.1 Activation of Standard SOAMANAGER Service

SOAMANAGER Logical Port

The Cost 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: CostCentreReplicationBulkRequest_In

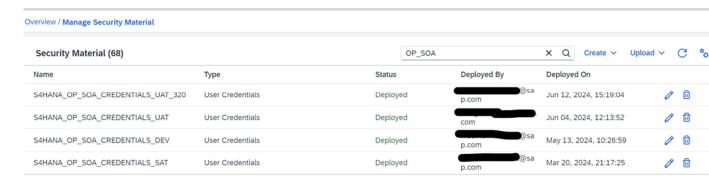
Logical Port: CostCentreRepl_In



6 Security and Authentication

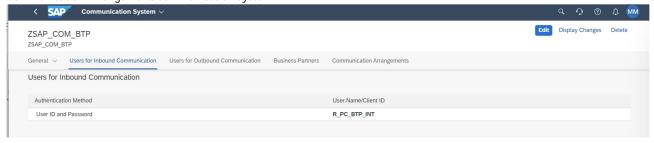
6.1 SAP BTP Integration Suite Security Material

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

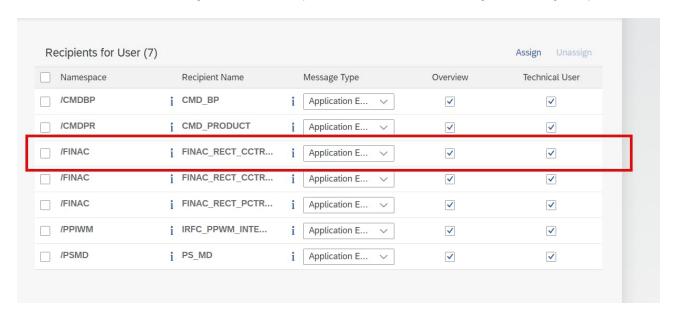
S/4HANA On-premise User and Password will need to be prepared by the SAP Security team and ensured that it has the appropriate authorizations to receive and process the Cost Centre API.

7 Error Handling

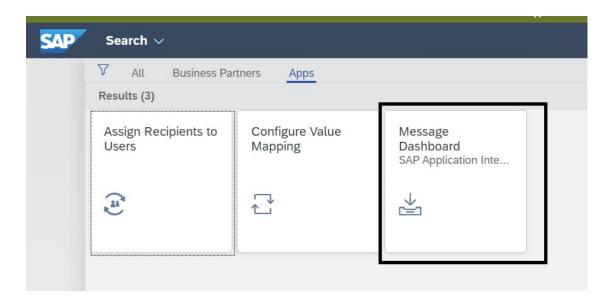
7.1 SAP S/4HANA Public Cloud Interface Monitoring

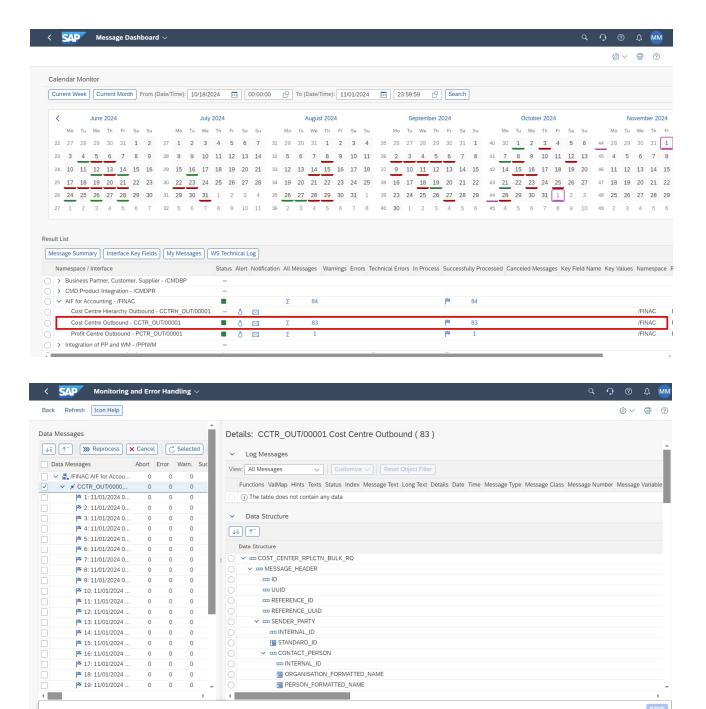
AIF Monitor:

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.