



Building Block & Configuration Guide – Customer

Send Concur Expense Data to SAP Datasphere

July 2024

English

- 1. Deploy Expense DDS Hana Database Artifacts to Datasphere**
- 2. SAP Concur Expense DDS Integration with SAP Datasphere**

Prerequisites

The following are the prerequisites to use this integration flow:

1. Subscription to Concur Data Delivery Service.
2. SFTP access to SAP Concur
3. Datasphere Tenant

Configurations in Integration Tenant / Datasphere

The following configurations are needed to use this integration flow:

1. Create JDBC Material
2. Add/Create SSH and PGP key pair in Key store.
3. Create Database User in Datasphere. (Schema Name : SAPCONTENT#SAP_CONCUR_EXP_DDS should be the name for the flow to work)
4. Add the Ip address of CF Integration tenant to Ip allowlist of Datasphere.

Note : Detail documentation available in the package for each of the above steps. Any further help on configuring the flow please raise a ticket to SNOW component : CA-GTF-DDS

SAP Datasphere and SAC business content will be available for this flow soon.

Content

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- ✓ **Important Note : Please create all the required Configuration in your Integration Tenant and enter the created credentials appropriately as configured values before deploying the flow.**

Configuration Steps on SAP Cloud Integration

Configure "Expense DDS from SAP Concur to SAP Datasphere"

Sender Receiver More

Source

Sender: Concur_Sftp

Adapter Type: SFTP

Address: Concur_SFTP_Host_Address

User Name: Concur_Entity_Id

Private Key Alias: Ssh_key_alias

Processing

Schedule: Schedule on Day Schedule to Recur

Schedule to Recur: Daily

On Time 07:43 AM

Every 1 min Between 00:00 and 24:00

Time Zone: (UTC 5:30) India Standard Time(Asia/Calcutta)

- Click on Configure button on the flow and enter the valid credentials for Sender adapter before deploying it.
- Concur SFTP address will be shared when subscribed to Data Delivery Service.
- For detail steps on creating SSH key pair refer the documentation in the package.

Configure Receiver Adapter

Configure "Expense DDS from SAP Concur to SAP Datasphere"

Send **Receiver** More

Receiver: Datasphere_Sp

Adapter Type: JDBC

Connection

JDBC Data Source Alias: Enter_JDBC_Material_Name

Configure "Expense DDS from SAP Concur to SAP Datasphere"

Sender Receiver **More**

Type: All Parameters

Private_PGP_key: PGP_Key_alias

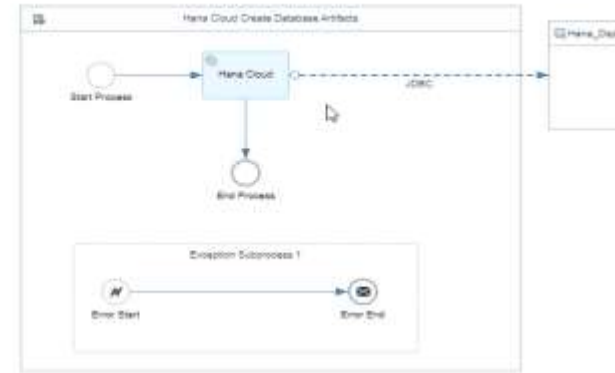
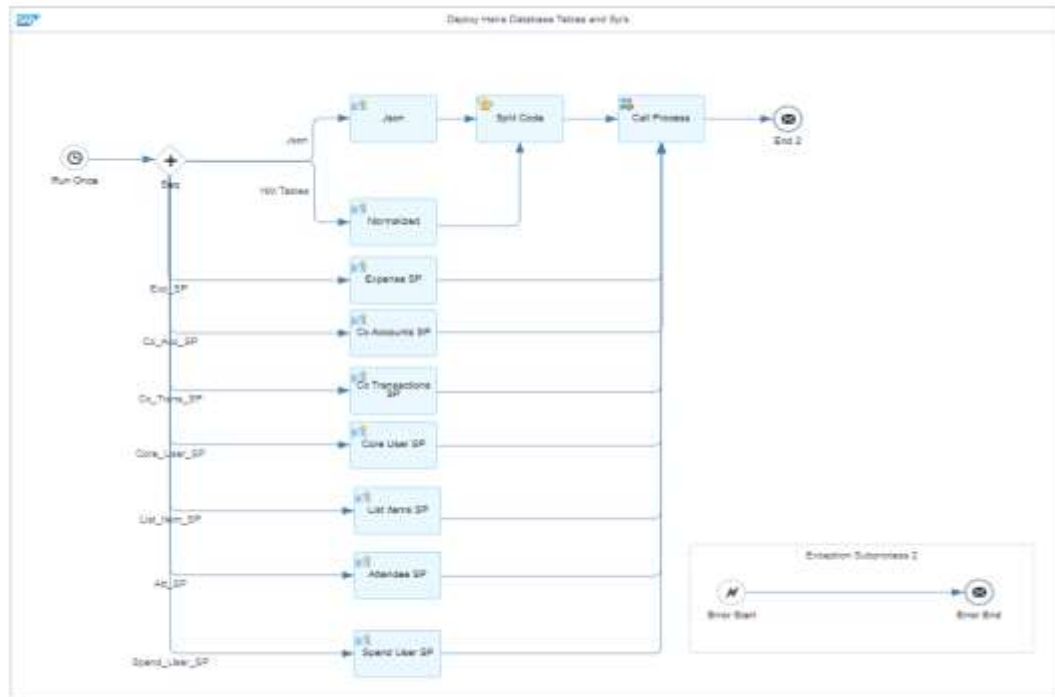
- Create JDBC material in Integration Suite tenant with the Valid credentials and enter the connection name.
- Make sure to whitelist the Integration suite tenant Ip's in Datasphere tenant for successful connection.
- For detail steps on creating JDBC material and whitelist Ip's for integration tenant cloud foundry in Datasphere refer the documentation in the package.

1. Deploy Expense DDS Hana Database Artifacts to Datasphere

INTERNAL – SAP and Partners Only



Flow Design



- Creates Json and Normalized Tables and Stored Procedures.
- The flow should only run once and can be undeployed once the database artifacts are created.
- Double check in the database if the required artifacts are created and following which kick off the Main flow for data ingestion.

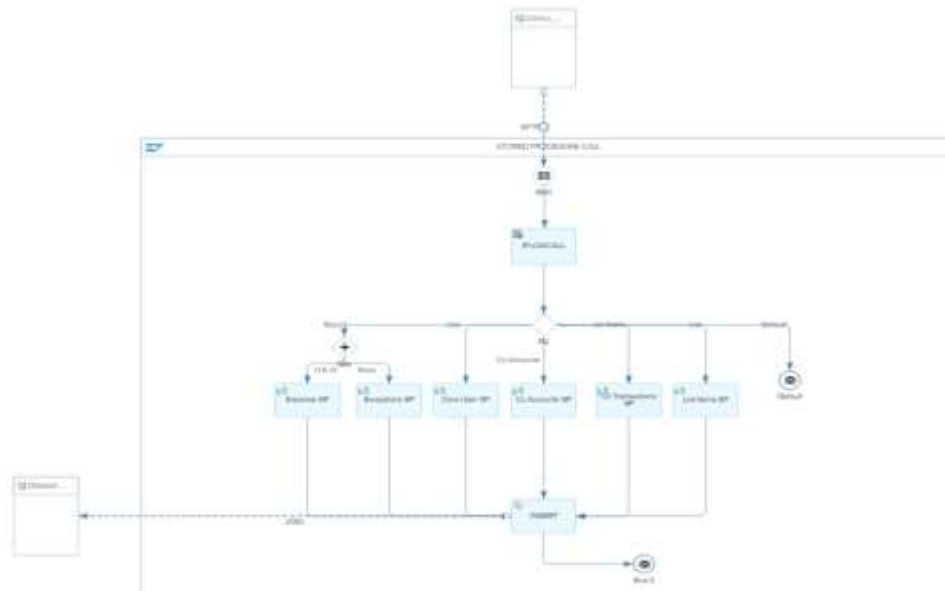
2. SAP Concur Expense DDS Integration with SAP Datasphere

INTERNAL – SAP and Partners Only



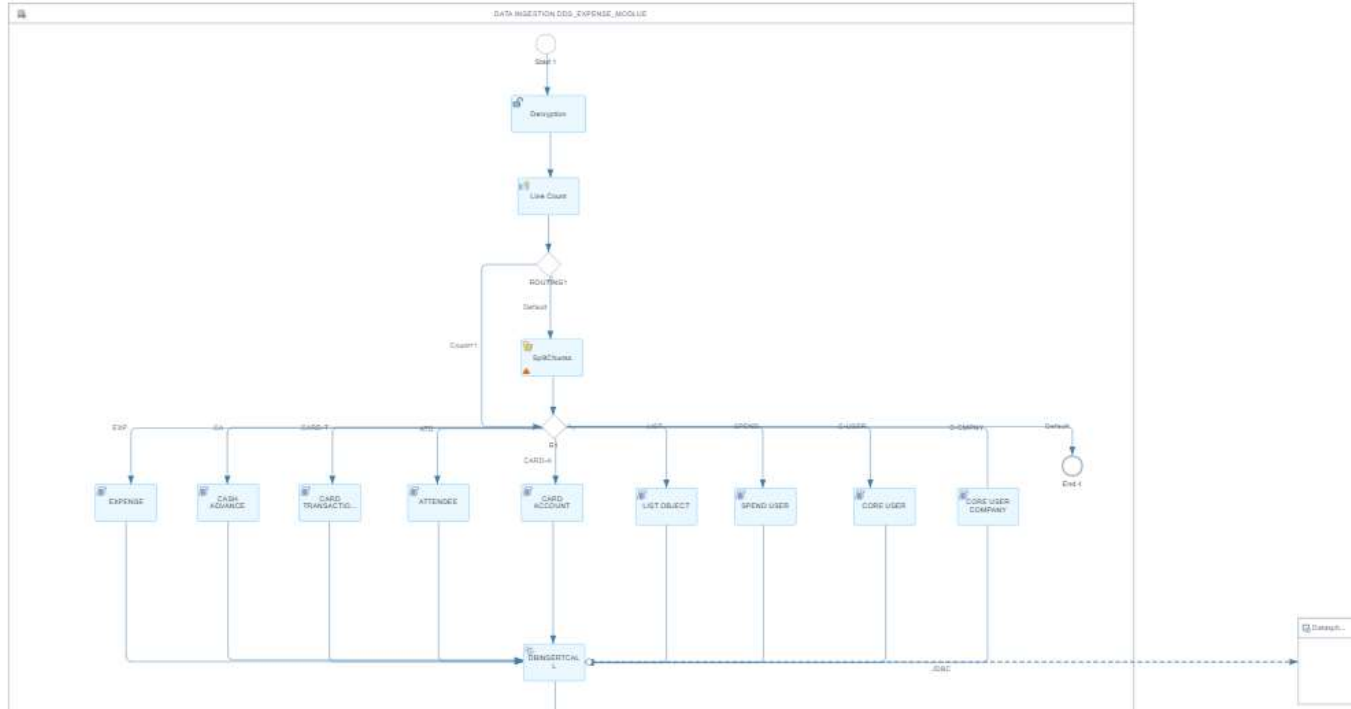
Flow Design

1. Main Integration Process :



- Poll DDS files from Concur Sftp server out folder.
- Calls the location integration process.
- Triggers the Stored procedure call to Hana cloud based on the File name.

2. Local Integration Process :



- Decrypt the DDS File.
- Define property to capture file name for routing.
- Split the large Payload into smaller junks.
- Insert each Json objects to its corresponding Hana Table. Routing to each block based on Object file names.