Building block Configuration Guide
Replicate Promotions from SAP S4HANA to SAP Point-of-Sale
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English

CUSTOMER

Replicate Promotions from SAP S4HANA to SAP Point-of-Sale

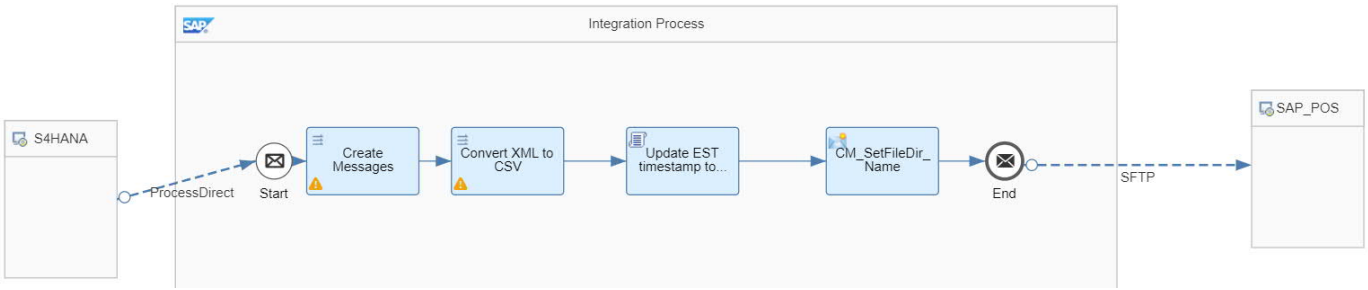
Content

1 Prerequisites

- You are using SAP Point-of-Sale system and able to import promotion files, or you are using other non-SAP POS system but able to import the files in that format. For detail of promotion file formats, please refer SAP Help on SAP POS (https://help.sap.com/doc/saphelp_pos23/2.3/en-US/be/5234a9eb44494ea0807925211e74c6/frameset.htm) -> Technical Product Reference -> Download File Formats (Promotional File Update Records).
- Outbound files could be transferred from your SAP Cloud Integration tenant to your POS system via communication protocols, for example, uploading files to an SFTP folder which is accessible by both SAP Cloud Integration and POS
- Have your SAP S/4HANA system installed, SAP ECC is also supported by the iFlow, but software component EA-RETAIL has to be installed on the ECC with version 606 or higher
- Functional configurations are required in S/4HANA to trigger Enterprise Service RetailEventERPStoreReplicationRequest_Out_V1 for new/changed department, which should be done by functional consultant, for detail please refer https://help.sap.com/docs/SAP_ERP_SPV/bf1ec1b8e423412b8ea2b8ac9bba96b3/650f01807ce911de2b8d000f20fcb6a9.html

2 Documentation

The iFlow would receive the XML messages of article master via enterprise service RetailEventERPStoreReplicationRequest_Out_V1 (XI adapter), convert to CSV format and create target files.



Note:

1. To receive messages via XI protocol, it is recommended to use one general XI sender channel to receive all types of messages and then direct to different iFlows by service name (property - SapInterfaceName) accordingly via ProcessDirect.
2. The main mapping to convert enterprise service messages to CSV is imported from standard SAP ESR content STORE CONNECTIVITY 4.0 (SAP Software Downloads -> SUPPORT PACKAGES AND PATCHES -> By Category -> SAP Content -> ESR CONTENT (XI CONTENT) -> XI CONTENT STORE CONNECTIVITY -> XI CONTENT STORE CONNECT.4.0), XSLT mapping RetailEventERPStoreReplicationRequest_v1.xsl in the Imported Archives SOAPOSiNTG.
3. Exception handling is not included in the iFlow, please build your own exception handling for the scenario as per business requirement.

3 Configuration steps on SAP Cloud Integration

After importing the iFlow into your own tenant, below configurations need to be done manually.

3.1 Configure Sender Adapter

Please refer blog for XI sender channel configuration, and another blog for handling multiple interface.

It is recommended to externalize all the connection parameters in the channel.

3.2 Configure Receiver Adapter

Generally SFTP receiver channel is used in the scenario, Cloud Integration uploads created files to an SFTP folder with specific file name, POS system poll the same folder periodically to pick up the files accordingly. Please refer SAP Help for SFTP receiver channel configuration.

In the iFlow the file directory and file name are specified via setting parameter CamelFileName with Content Modifier, hereby directory and file name are blank in the channel, you could also remove the setting and specify file directory and name as per receiver requirement.

FTP protocol or other communication protocols supported by receiver system could also be used to transfer files.

In case SFTP/FTP server locate in On-Premise or private cloud, SAP Cloud Connector is recommended to build dedicate connection between Cloud Integration and SFTP/FTP server, or use other non-SAP reverse proxy as alternative.

It is recommended to externalize all the connection parameters in the channel.

3.3 Configure Backend system – SAP ERP

Please refer blogs mentioned in 3.1 for XI adapter configuration in SAP ERP side.