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Document History

Owner	Description	Version
Aarini	Initial release	V1.0.0

Solution Proposal

This interface can be used to replicate the bank key and the address details into S/4HANA cloud from on premise SAP ERP or SAP S/4HANA. For the replication purpose IDOC type BANK_SAVEREPLICA is used in ERP/S4HANA on premise and [v2 of Bank ODATA V4 API](#) is used in SAP S/4HANA cloud. Also to obtain the address details, RFC BAPI_ADDRESSORG_GETDETAIL is used.

Configuration in SAP ERP, SAP S/4HANA

Create logical system in BD54 for SAP S/4HANA cloud.

The screenshot shows the 'Change View Logical Systems: Overview' interface. It features a toolbar with icons for search, new entries, and other actions. Below the toolbar is a table titled 'Logical Systems' with columns 'Log.System' and 'Name'. The table contains several entries, with the last two being 'S4HOC' (S/4HANA cloud system) and 'S4LOCAL' (client 100).

Log.System	Name
S4HOC	S/4HANA cloud system
S4LOCAL	client 100

Create G type RFC to CPI endpoint in SM59. If required import the root certificate of SAP CPI into the STRUST.

The screenshot shows the 'RFC Destination S4HOC' configuration page. It includes a 'Connection Test' button, a dropdown for 'RFC Destination' set to 'S4HOC', and a 'Connection Type' dropdown set to 'G' (HTTP Connection to External Server). Below this is a 'Description' section with three text boxes for 'Description 1', 'Description 2', and 'Description 3'. At the bottom, there are tabs for 'Administration', 'Technical Settings', 'Logon & Security', and 'Special Options'. The 'Technical Settings' tab is active, showing 'Target System Settings' with fields for 'Host' (containing a partially visible URL ending in '.hana.ondemand.') and 'Port' (443), and a 'Path Prefix' field containing '/cxf/bank/key'.

Create XML HTTP port in WE21.

Port	S4HOC
Description	S4HOC
RFC destination	S4HOC
Content Type <input type="radio"/> Text/XML <input checked="" type="radio"/> application/x-sap.idoc	
HTTP Version <input checked="" type="radio"/> Version 1.0 <input type="radio"/> Version 1.1	
<input checked="" type="checkbox"/> SOAP Protocol	

Create distribution model in BD64.

<ul style="list-style-type: none"> ▼ Distribution of bank keys ▼ <input checked="" type="checkbox"/> Logical System Client 050 ▼ <input checked="" type="checkbox"/> S/4HANA cloud system <ul style="list-style-type: none"> ▪ Bank.SaveReplica 	BNKA S4HCLNT050 S4HOC Duplicate Single Bank (ALE)
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Generate partner profile from distribution model using BD82.

Note ** this interface does not support IDOC packaging, hence output mode needs to be – pass IDOC immediately.

Generate Partner Profile

Model View	BNKA	to	
Partner System		to	
Check Run	<input checked="" type="checkbox"/>		

Default Parameters for Partner Profile

Postprocessing: Authorized Users

Ty.	US	User
ID		

Outbound

Version	3	IDoc record types from Version 4.0 onwards
Pack. Size	100	IDocs

Output Mode

Pass IDoc immediately
 Collect and pass IDocs






Inbound

Processing

Trigger immediately

Make sure that the RFC handler module in SICF is active.

Define Services

Create Host/Service     External Aliases 

Filter Details

Virtual Host	<input type="text"/>	Service Path	<input type="text"/>
ServiceName	RFC		
Description	<input type="text"/>		
Lang.	English <input type="button" value="v"/>	Reference	<input type="text"/>

Virtual Hosts/Services	Documentation	Ref
▼ default_host	VIRTUAL DEFAULT HOST	
▼ sap	SAP NAMESPACE; SAP IS OBLIGED NOT TO DELI	
▼ bc	BASIS TREE (BASIS FUNCTIONS)	
▪ rfc	Placeholder for WebSocket-RFC - Do not change!	
▼ soap	DIRECTORY FOR SOAP HTTP HANDLER	
▪ rfc	SOAP HTTP HANDLER FOR RFC-CAPABLE FUNCT:	

Configuration in SAP S/4HANA cloud

Create communication user.

a

CPI_RMN

Changed On: 11/09/2022, 12:38:19 PM

General Used by Communication Systems Used by Communication Arrangements

User Data

User Name: *

User ID:

Password

Password:

Password Status: Productive

Create communication system – with hostname set to the tenant management URL of CPI.
Also associate the communication user to it.

Changed By: Deepankar Bhowick Editing Status: Draft
Changed On: 12/09/2022, 10:31 AM

General Users for Inbound Communication Users for Outbound Communication Business Partners Communication Arrangements

General Data

System ID: * [input field]
System Name: * [input field] Notes: [input field]

Technical Data

General

Host Name: * [input field] UI Host Name: [input field]
Logical System: [input field] Business System: [input field]
Port: 443
Is Hub System:
Inbound Only:

Create communication arrangement for SAP_COM_0379 communication scenario.

Search [input field] [input field] [input field]

Communication Arrangements (3) New

Arrangement Name	Scenario ID	Scenario	Communication System
<input type="checkbox"/> BANK_INTEGRATION	SAP_COM_0379	Bank - Bank Integration	[input field]

Configuration in SAP cloud connector

Create virtual host and port to connect with backend SAP ERP, SAP S/4HANA system using HTTP protocol to establish connectivity to RFC over SOAP.

SOAP handler for RFC: http://virtual_host:virtual_port/sap/bc/soap/rfc?sap-client=<clnt>

Points to note

- Some of the fields in the address section cannot be replicated – as there is no corresponding field in the Bank API. Example: search term 1, search term 2, comments.
- COMMUNICATION section of the bank address in SAP ERP or SAP S/4HANA is not replicated, as it is not supported by API.