

SAP BUSINESS TECHNOLOGY PLATFORM | EXTERNAL

Integration Guide

SAP Workflow Management Integration with SAP S/4HANA
– Joint Venture Cash Call

Table of Contents

Table of Contents	2
Overview	3
1. Objectives.....	3
2. Features.....	3
3. Solution Diagram.....	3
Required SAP Business Technology Platform Services	5
Setup and Configuration	6
Configure RFC Destination	6
Configure Cloud Connector.....	6
Import, configure and deploy cloud integration content	7
Import pre-packaged Integration content in SAP Integration Suite.....	7
RFC Adapter Configuration	8

Overview

This document provides information about configuration steps to setup the integration content to consume the workflow content package **Joint Venture Cash Call Approval**. The primary audience of this document is integration administrators and developers.

This package contains Integration Flows to Update Joint Venture Cash Call from SAP Workflow Management to SAP S/4HANA.

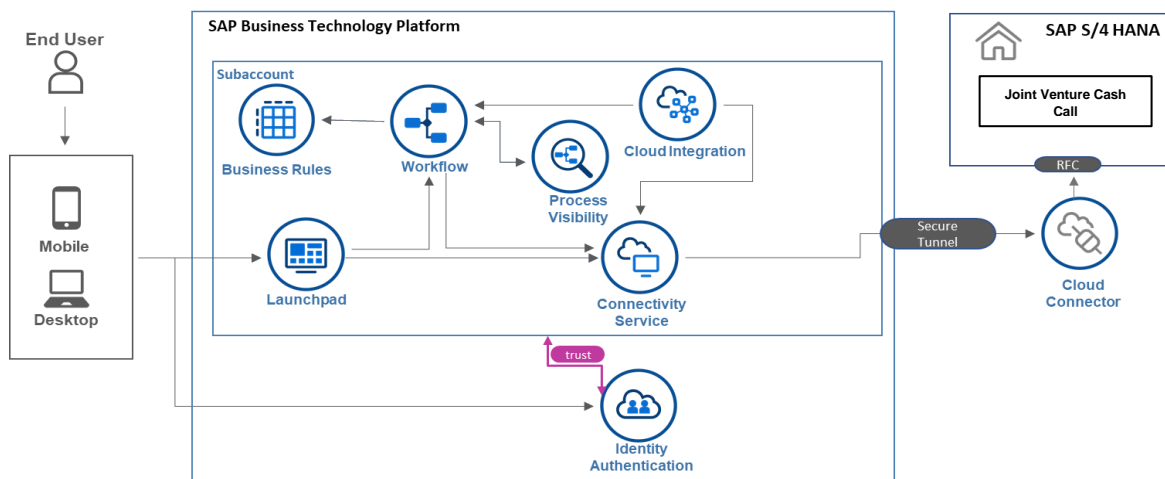
1. Objectives

- The objective of the workflow is to take the approval for Joint Venture Cash Call . The Joint Venture Cash Call process allows the operator to invoice partners for future estimated venture costs. Based on an estimate of the future costs, non-operating partners are invoiced for their share of the costs to be incurred.
- The standard cash call process does not allow to route cash call request to different internal approver(s) before request sent to JV partner.
- This extension fills that void and allow to send cash call request to different approver(s) before the request is posted to the system. This extension will notify relevant persons about the cash call request made to JV partner.

2. Features

- Plug and Play with SAP S/4 HANA without additional development.
- New Process variants can be configured in a no-code approach.
- Agent/approver determination using Business Rules or external service.
- Pre-built integration content to call SAP S/4 HANA from SAP Workflow Management Out-of-the-box visibility into key process performance indicators.

3. Solution Diagram



This package contains Integration Flows to Update Joint Venture Cash Call from SAP Workflow Management to SAP S/4HANA.

Salient features of this integration package are:

- Update Cash Call iFlow updates the cash call details against the required Joint Venture
- Batch received from SAP Workflow Management to SAP S/4HANA.

Required SAP Business Technology Platform Services

The workflow content package **Joint Venture Cash Call Approval** is intended to be used for SAP S/4HANA (on-premise and cloud) and requires the following services in SAP BTP:

- SAP Workflow Management to orchestrate the process.
- SAP Integration Suite for data activities with Joint Venture Cash Call.
- SAP Connectivity service (cloud connector) to establish access to SAP S/4HANA on-premise.
- SAP Launchpad service to access the apps that are involved in the process.
- SAP Business Application Studio to modify/deploy the SAPUI5 applications.
- SAP BTP, Cloud Foundry runtime.

Setup and Configuration

This section will explain how to setup the integration content that is required for the workflow content packages **Joint Venture Cash Call Approval**.

Configure RFC Destination

Configure a RFC destination to connect with SAP S/4HANA on-premise. Below is a destination configuration for *SAP S/4HANA on-premise*.

Note: This destination is required by Cloud Integration (Suite).

Name	<RFC_DESTINATION_NAME>
Type	RFC
Proxy Type	OnPremise
User	<ONPREMISE_USER>
Password	<ONPREMISE_PASSWORD>
Repository User	<ONPREMISE_USER>
Repository Password	<ONPREMISE_PASSWORD>

Additional Properties	jco.client.ashost: <host>
Additional Properties	jco.client.client:<client number>
Additional Properties	jco.client.lang: <language>
Additional Properties	jco.client.sysnr:<system number >

Configure Cloud Connector

For SAP S/4HANA on-premise landscape, configure cloud connector to enable secure tunnel to SAP BTP tenant. Please refer the help documentation to [configure Cloud Connector](#).

Services/Resources that need to be exposed from SAP S/4HANA on-premise using Cloud Connector

Note: Steps to implement the Custom ABAP Objects are mentioned in “Deploy Custom ABAP Objects” section of the Setup Guide of workflow content package **Joint Venture Cash Call Approval**.

Resources	Protocol	Backend-Type
ZWF_FM_JVCASHCALL	RFC	ABAP System

Import, configure and deploy cloud integration content

This workflow content requires the cloud integration to process the – Joint Venture Cash Call in SAP S/4HANA. The integration content package **SAP Workflow Management Integration with SAP S/4HANA – Joint Venture Cash Call** is available in SAP API Business hub to integrate SAP Workflow Management with SAP S/4HANA. Integration models use RFC and OData to integrate with SAP S/4HANA. The following integration models are available in this package.

1. Update Cash Call

The screenshot displays the SAP API Business Hub interface for the integration package. At the top, the package name is shown: "SAP Workflow Management Integration with SAP S/4HANA – Joint Venture Cash Call / SAP Workflow Management Integration with SAP S/4HANA – Joint Venture Cash Call". Below this, a description states: "This package contains Integration Flows to Update Joint Venture Cash Call from SAP Workflow Management to SAP S/4HANA". Additional metadata includes "Vendor: Accenture", "Mode: Editable", and "Version: 1.0.0".

The interface shows a navigation menu with "Overview", "Artifacts (1)", "Documents", "Tags", and "Comments". The "Artifacts (1)" tab is active, displaying a table with the following content:

<input type="checkbox"/>	Name	Type	Version
<input type="checkbox"/>	Update Cash Call Updates Joint Venture Cash Call in SAP S/4HANA based on data received from SAP Workflow Management Created	Integration Flow	1.0.0

Import the integration package to your SAP Cloud Integration tenant. To be able to import and deploy integration flows, you need the role AuthGroup. IntegrationDeveloper (in Neo environment) or PI_Integration_Developer (in cloud foundry environment) assigned in your tenant.

Import pre-packaged Integration content in SAP Integration Suite

- Access your SAP Integration Suite tenant management node (<https://<integrationtenant>/itspaces>).
- View all pre-packaged integration flow under Discover->Integration. (<https://<integrationtenant>/itspaces/shell/discover>)
- Search content package “**SAP Workflow Management Integration with SAP S/4HANA – Joint Venture Cash Call**”.
- Click on the package SAP Workflow Management Integration with SAP S/4HANA – Joint Venture Cash Call.

- Click Copy to import the Integration content package to your workspace.
- Navigate to the *Monitor* view (<https://<integrationtenant>/itspaces/shell/monitoring>) to setup the security materials required for the package.

RFC Adapter Configuration

- Open the integration model *Update Cash Call*.
- Click **Configure** button, choose receiver (SAP_S4HANA) and set the required destination and RFC Name for RFC Adapter. (RFC Name can be found in the “Deploy Custom ABAP Objects” section in Setup Guide)

Sender **Receiver** More

Receiver: SAP_S4HANA

Adapter Type: RFC

Destination: [Greyed out]

Configure "Update Cash Call"

Sender Receiver **More**

Type: All Parameters

rfcName: [Greyed out]

- Save and Deploy the integration model.

Note: In case the Approver Determination Strategy is selected as “External Service” in workflow configurations, then a CPI iFlow needs to be implemented with the below mentioned endpoint, input and output details.

API Attributes	Values
Path	/http/getApproversJvcashcallwfm
HTTP Method	GET
Payload sent by workflow (sample data)	{ "d":

	<pre>{ "CashCall" : \$.context.cashCallDetails, "Role" : "JV Supervisor" } };</pre>
Response Payload from integration flow	<p>RESPONSE STATUS, Ex 200 OK</p> <pre>"ApproverRulesResult": {"d": {"approvers": [{"supervisorEmail": "email@example.com", "email": "email@example.com", "userGroup": "Approver_GroupId", "userId": "Approver_UserId"}]}}</pre> <p>Note: When Status is not 200, then it is considered a failed service call.</p>
Payload Type	Application / JSON