

SAP BUSINESS TECHNOLOGY PLATFORM | EXTERNAL

Setup Guide

Urgent Payment Request Approval using SAP Workflow Management or SAP Build Process Automation

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Overview

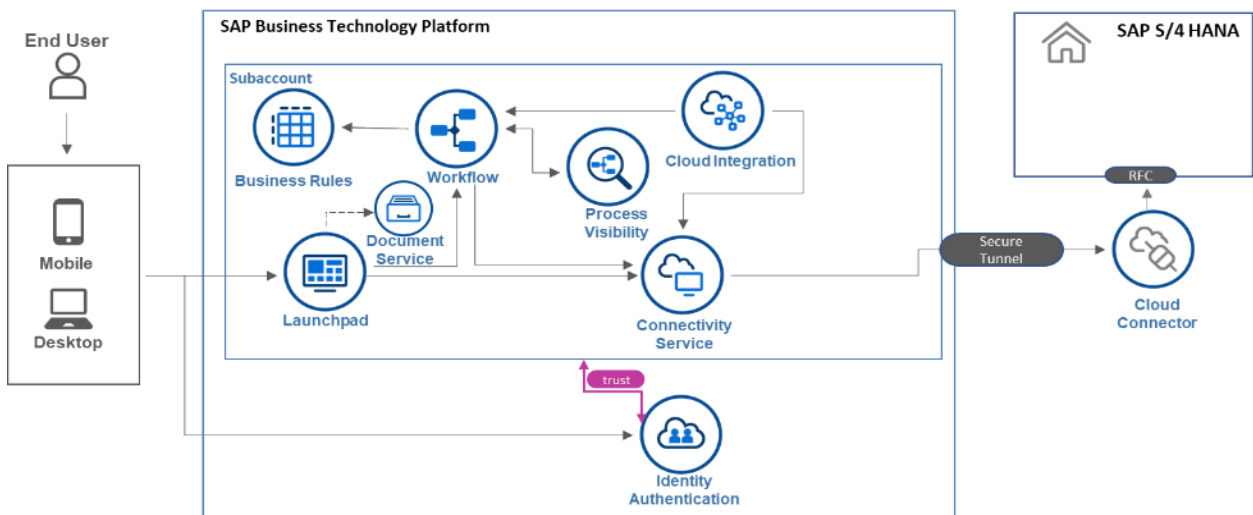
This document provides information about setting up the SAP Business Technology Platform account to consume the workflow content package **Urgent Payment Request Approval**. The main audience of this document are technical IT/system administrators.

This use case deals with urgent payment request scenario, where there is a requirement for user from non-finance team to raise a payment request. Once the request is raised and approved, it is cascaded to a relevant finance team persona along with the business data that is required information to trigger a free form payment to a vendor/customer. This workflow deals with approval required by the non-finance team persona.

Features

- Plug and Play with SAP S/4HANA 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/4HANA from SAP Workflow Management or SAP Build Process Automation.
- Out-of-the-box visibility into key process performance indicators.

Solution Diagram



Required SAP BTP Services

The workflow content package **Urgent Payment Request Approval** is intended to be used for SAP S/4HANA and requires the following services in SAP BTP:

- SAP Build Process Automation or SAP Workflow Management to orchestrate the process.
- SAP Integration Suite for data activities with SAP S/4HANA
- SAP Connectivity service (cloud connector) to establish access to SAP S/4HANA.
- 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.
- SAP Cloud Identity Services (Optional)

Setup and Configuration

Urgent Payment Request Approval content package requires SAP Workflow Management subscription or a CPEA contract. Based on which service you plan to use, follow the appropriate section to configure either SAP Build Process Automation or SAP Workflow Management.

Configure SAP Build Process Automation

Follow the setup and configuration section of SAP Build Process Automation:

1. [Subscribe to SAP Build Process Automation \(Standard Plan\)](#)
2. [Configure Destinations for Live Process Projects](#)
 - a. Import Package Destination
 - b. Business Rules Destination to support start and step conditions
3. [Optional] [Configure SAP Launchpad Service for SAP Build Process Automation](#)

Configure Process Automation Destination

A HTTP destination is required in the BTP subaccount where SAP Build Process Automation is subscribed. Create a destination with name "sap_process_automation_service" with the following configuration if it doesn't exist already. Please refer how to [create a HTTP destination](#) OAuth 2.0 Authentication (client credentials).

Name	sap_process_automation_service
Type	HTTP
Proxy Type	Internet
Authentication	OAuth2ClientCredentias
URL	<"endpoints"."api">
Client ID	<"uaa":"clientis">
Client Secret	<"uaa":"clientsecret">
Token Service URL	<"uaa":"url"/>/oauth/token

Note: While creating the service instance for SAP Build Process Automation service, make sure that at least the required scopes are assigned (help documentation to enable technical authentication to [access the SAP Build Process Automation APIs](#)). If the scopes are not assigned, you can also [update the service instance](#) with the required scopes.

Configure SMTP Mail Destination

Configure email destination to automatically send email notification to the involved parties. For more information on configuring the destination, see [configure SMTP mail destination](#).

Configure OAuth2ClientCredentias SAP Build Process Automation Destination

(Service Instance)

Ignore this step if there is already a destination using SAP Build Process Automation service instance created.

Create new destination to call SAP Build Process Automation APIs using a service route from SAP UI5 component. For more details, follow the help document:

<https://help.sap.com/viewer/cca91383641e40ffbe03bdc78f00f681/Cloud/en-US/685f383cebb54c009b2fac633b32c90f.html>.

Enter the following details:

Service Instance: sap_processautomation

Name: process_automation_service_destination

Description: Call SAP Process Automation APIs using a service route

Click "Next" and enter the below data.

Destination Configuration

<p>Name: * <input type="text" value="process_automation_service_destination"/></p> <p>Type: <input type="text" value="HTTP"/></p> <p>Description: <input type="text" value="Call SAP Process Automation APIs using a s..."/></p> <p>URL: * <input type="text" value="https://sap.com/DUMMY_URL"/></p> <p>Proxy Type: <input type="text" value="Internet"/></p> <p>Authentication: <input type="text" value="OAuth2ClientCredentials"/></p> <p>Use mTLS for token retrieval <input type="checkbox"/></p> <p>Client ID: * <input type="text" value="sb-...i9..."/></p> <p>Client Secret: <input type="text" value="*****"/></p> <p>Token Service URL Type: * <input type="text" value="Dedicated"/> <input type="text" value="Common"/></p> <p>Token Service URL: * <input type="text" value="https://..."/></p> <p>Token Service User: <input type="text"/></p> <p>Token Service Password: <input type="text"/></p>	<h4>Additional Properties</h4> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;"><input type="text" value="endpoints"/></td> <td><input type="text" value='{"api":"https://"...'/></td> <td><input type="text" value="🗑️"/></td> </tr> <tr> <td><input type="text" value="html5-apps-..."/></td> <td><input type="text" value='{"app_host_id":"...'/></td> <td><input type="text" value="🗑️"/></td> </tr> <tr> <td><input type="text" value="saasregistry..."/></td> <td><input type="text" value="true"/></td> <td><input type="text" value="🗑️"/></td> </tr> <tr> <td><input type="text" value="sap.cloud.s..."/></td> <td><input type="text" value="com.sap.spa.process..."/></td> <td><input type="text" value="🗑️"/></td> </tr> <tr> <td><input type="text" value="sap.cloud.s..."/></td> <td><input type="text" value="spa"/></td> <td><input type="text" value="🗑️"/></td> </tr> </table> <p><input checked="" type="checkbox"/> Use default JDK truststore</p>	<input type="text" value="endpoints"/>	<input type="text" value='{"api":"https://"...'/>	<input type="text" value="🗑️"/>	<input type="text" value="html5-apps-..."/>	<input type="text" value='{"app_host_id":"...'/>	<input type="text" value="🗑️"/>	<input type="text" value="saasregistry..."/>	<input type="text" value="true"/>	<input type="text" value="🗑️"/>	<input type="text" value="sap.cloud.s..."/>	<input type="text" value="com.sap.spa.process..."/>	<input type="text" value="🗑️"/>	<input type="text" value="sap.cloud.s..."/>	<input type="text" value="spa"/>	<input type="text" value="🗑️"/>
<input type="text" value="endpoints"/>	<input type="text" value='{"api":"https://"...'/>	<input type="text" value="🗑️"/>														
<input type="text" value="html5-apps-..."/>	<input type="text" value='{"app_host_id":"...'/>	<input type="text" value="🗑️"/>														
<input type="text" value="saasregistry..."/>	<input type="text" value="true"/>	<input type="text" value="🗑️"/>														
<input type="text" value="sap.cloud.s..."/>	<input type="text" value="com.sap.spa.process..."/>	<input type="text" value="🗑️"/>														
<input type="text" value="sap.cloud.s..."/>	<input type="text" value="spa"/>	<input type="text" value="🗑️"/>														

Configure OAuth2UserTokenExchange Destination

Configure a destination with the following parameters:

Name	sap_process_automation_workflow_useraction
Type	HTTP
Proxy Type	Internet
Authentication	OAuth2UserTokenExchange
URL	<"endpoints"."api">
Client ID	<"uaa"."clientis">
Client Secret	<"uaa"."clientsecret">

Token Service URL	<"uaa":"url"/>/oauth/token
Additional Properties:	Name: bpmprocessvisibility.triggerWorkflow Value: user

Please refer help documentation [how to get URL, Client ID, Client Secret and Token Service URL](#). For more information refer to how to [create a HTTP destination](#).

Configure SAP Workflow Management

Urgent Payment Request Approval content package requires SAP Workflow Management subscription or a CPEA contract. Follow the setup and configuration section of SAP Workflow Management.

<https://help.sap.com/viewer/6f55baaf330443bd8132d071581bbae6/Cloud/en-US/d7910e2bf7f64afc9d0eb21b0cc9e84d.html>

Note: While creating the service instance for Workflow service, make sure that at least the following scopes are assigned (help documentation to [enable technical authentication](#) to access the workflow APIs). If the scopes are not assigned, you can also [update the service instance](#) with the following scopes.

- WORKFLOW_INSTANCE_GET
- WORKFLOW_INSTANCE_START
- WORKFLOW_INSTANCE_CANCEL

Configure Workflow Email Destination

Configure workflow email destination to automatically send email notification to the involved parties. For more information on configuring the destination, see [configure workflow email destination](#).

Configure OAuth2ClientCredentials Workflow Destination

A HTTP destination is required in the BTP subaccount where SAP Workflow Management is subscribed. Create a destination with name "Workflow" with the following configuration if it doesn't exist already. Please refer how to [create a HTTP destination](#) OAuth 2.0 Authentication (client credentials).

Name	Workflow
Type	HTTP
Proxy Type	Internet
Authentication	OAuth2ClientCredentials
URL	<rest_api_url>
Client ID	<client ID>
Client Secret	<client secret>

Token Service URL	<uaa.url>/oauth/token
-------------------	-----------------------

Note: While creating the service instance for Workflow service, make sure that at least the following scopes are assigned (help documentation to [enable technical authentication](#) to access the workflow APIs). If the scopes are not assigned, you can also [update the service instance](#) with the following scopes.

- WORKFLOW_INSTANCE_START
- WORKFLOW_INSTANCE_UPDATE_CONTEXT
- WORKFLOW_INSTANCE_GET
- MESSAGE_SEND

Please refer help documentation how to get [URL, Client ID, Client Secret and Token Service URL](#). For more information refer to [how to create a HTTP destination](#) and [how to use Workflow APIs](#).

Configure OAuth2ClientCredentials Business Rules Destination

A HTTP destination is required in the Cloud Foundry account where SAP Workflow Management is subscribed. Create a destination with name "BUSINESS_RULES" with the following configuration if it doesn't exist already. Please refer how to [create a HTTP destination](#) and [how to access business rules APIs](#) using OAuth 2.0 Authentication (client credentials)

Name	BUSINESS_RULES
Type	HTTP
Proxy Type	Internet
Authentication	OAuth2ClientCredentials
URL	<rule_runtime_url>/rules-service
Client ID	<client ID>
Client Secret	<client secret>
Token Service URL	<uaa.url>/oauth/token

Configure Destination to Enable Start & Step Conditions

To enable the usage of start conditions and step conditions on a process variant, create a destination for business rules with the configuration as mentioned in the following help document:

https://help.sap.com/viewer/6f55baaf330443bd8132d071581bbae6/Cloud/en-US/543b5dbd77d940b4b1f972298b559911.html?q=WM_BUSINESSRULES

Configure OAuth2 Client Credentials Workflow Destination (Service Instance)

Similarly, create new Destination to call Workflow Service APIs using a Service route from SAP UI5 Component. For more details, follow the official help document:

<https://help.sap.com/viewer/cca91383641e40ffbe03bdc78f00f681/Cloud/en->

<US/685f383cebb54c009b2fac633b32c90f.html>

Configure Cloud Integration Destination

To call an integration flow, a HTTP destination is required in the SAP BTP tenant where the SAP Workflow Management is subscribed. Create a destination called CPI with either Basic Authentication (supported only for Neo environment) or OAuth2ClientCredentials.

Destination with OAuth2ClientCredentials Authentication

Name	CPI
Type	HTTP
Proxy Type	Internet
Authentication	OAuth2ClientCredentials
URL	<runtime.url>
Client Id	<client ID>
Client Secret	<client secret>
Token Service URL	<oauth.url.for.clientCredentials>

Additional Properties to Destination

Additionally, add the following properties in the destination for cloud integration.

WebIDEEEnabled	true
WebIDESystem	CPI
WebIDEUsage	odata_gen

Destination with Basic Authentication (Applicable for Neo environment only)

Name	CPI
Type	HTTP
Proxy Type	Internet
User	<USER ID>
Password	<PASSWORD>
Authentication	BasicAuthentication
URL	<runtime.url>

Additional properties will remain the same between authentication methods.

Configure APIs in SAP S/4HANA

Following APIs are needed to be configured in SAP S/4HANA to use the content package.

OData Services:

/sap/opu/odata/sap/API_COMPANYCODE_SRV
/sap/opu/odata/sap/API_BANKDETAIL_SRV
/sap/opu/odata/sap/API_COUNTRY_SRV
/sap/opu/odata/sap/FAP_PROCESS_FF_PAYMENTS_SRV
/sap/opu/odata/sap/ZZ1_SUPPLIERCOMPANY_CDS
/sap/opu/odata/sap/ZZ1_CUSTOMERCOMPANY_CDS
/sap/opu/odata/sap/ZZ1_SUPLRBANKDETAILSBYINTI_CDS

Steps to Register OData Services in SAP Gateway

1. Go to t-code “/IWFND/MAINT_SERVICE”
2. Click on “Add Service”
3. Select the required System Alias (Select LOCAL as system alias in case of Embedded Deployment of Gateway)
4. Enter Technical Service Name as “API_COMPANYCODE_SRV” and click on “Get Services”
5. Select “API_COMPANYCODE_SRV” and click on “Add Selected Services”
6. Enter the required package and click on OK
7. Repeat steps 1-6 for all the OData services mentioned in previous section

List of BAPI/RFC which need to be available in SAP S/4 HANA

BAPI_CUSTOMER_GETDETAIL2 – To get customer bank details
ZWF_FM_HR_MASTER_GET_APPR_MULT – To get approver details

Note: Steps to implement custom ABAP objects is mentioned in the Appendix.

Create and Configure the Core Data Services to populate the Value Helps

The Custom Task UIs based on SAP UI5 uses a couple of backend services to populate the value helps for Suppliers, Customers and Supplier Bank Details.

Supplier Value Help URL –
{S4HANA}/sap/opu/odata/sap/ZZ1_SUPPLIERCOMPANY_CDS/ZZ1_SupplierCompany

Customer Value Help URL –
{S4HANA}/sap/opu/odata/sap/ZZ1_CUSTOMERCOMPANY_CDS/ZZ1_CustomerCompany

Supplier Bank Details Value Help URL –
{S4HANA}/sap/opu/odata/sap/ZZ1_SUPLRBANKDETAILSBYINTI_CDS/ZZ1_SuplrBankDetailsByIntl

Create the necessary Custom CDS Views in your SAP S/4HANA system to use the Live Process Package. Refer to the Appendix for more details

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*.

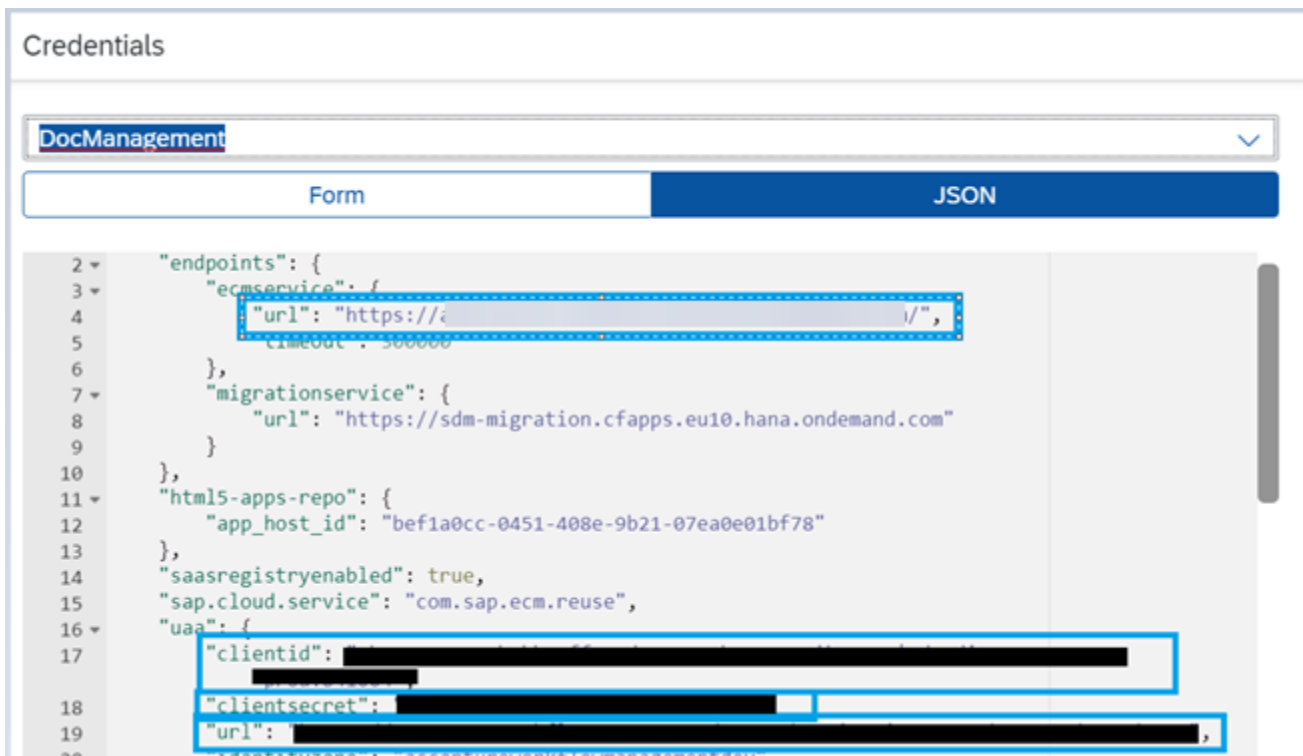
Note: This destination is required by Cloud Integration (Suite).

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

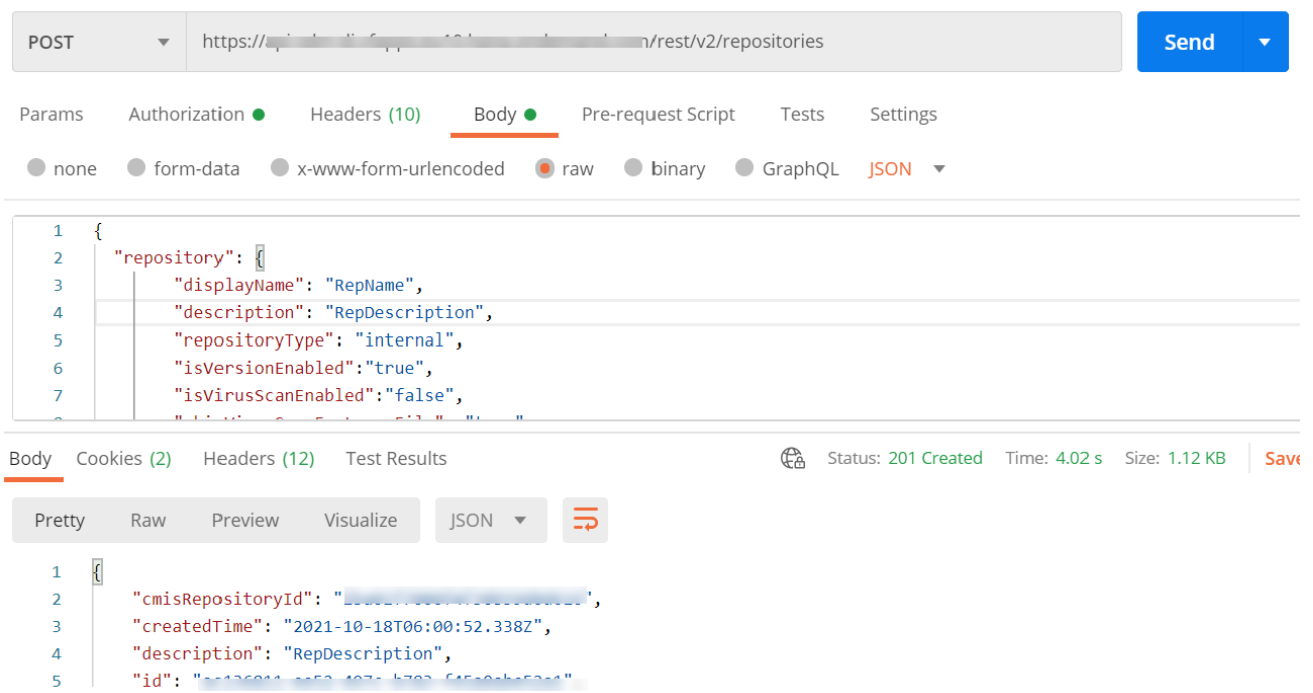
Additional Properties	jco.client.ashost: <host>
Additional Properties	jco.client.client:<client number>
Additional Properties	jco.client.lang: <language>
Additional Properties	jco.client.sysnr:<system number >

Configure Document Management Service Repository

Create a service instance for Document Management Service, Integration Option. Next create a service key and a repository for storing workflow attachments. Necessary information for creating a repository can be found in the service key.



After sending a POST request, you will receive response like below. Note down "id" as this is required in the next step.



For more information for creation of root Document Management Service repository please follow the steps described in [Initial Setup for Document Management](#), [Integration Option](#) and [Connect to Document Management, Repository Option](#) Using API (incl. Prerequisites). Save generated Repository ID from the response.

Configure Document Management Service Destination

Configure a Document Management Service destination with the following parameters:

Name	bpmworkflowruntime_attachments
Type	HTTP
Proxy Type	Internet
Authentication	OAuth2UserTokenExchange
URL	<"endpoints":"ecmservice":"url">/browser/ <Repository_ID>/root/
Token Service URL	<"uaa":"url">/oauth/token
Token Service URL Type	Dedicated

Populate Client ID and Client Secret with the values from the Service Key created on the previous step (see [Create Service Keys Using the Cockpit](#)).

For more information refer to [Create HTTP Destinations](#) and [OAuth User Token Exchange Authentication](#). Make sure that the users which are going to use the application have "SDM_Admin" or "SDM_User" roles assigned to them.

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

Resources	Protocol	Backend-Type
/sap/opu/odata/sap/API_COMPANYCODE_SRV	OData	ABAP System
/sap/opu/odata/sap/API_BANKDETAIL_SRV	OData	ABAP System
/sap/opu/odata/sap/API_COUNTRY_SRV	OData	ABAP System
/sap/opu/odata/sap/FAP_PROCESS_FF_PAYMENTS_SRV	OData	ABAP System
/sap/opu/odata/sap/ZZ1_SUPPLIERCOMPANY_CDS	OData	ABAP System
/sap/opu/odata/sap/ZZ1_CUSTOMERCOMPANY_CDS	OData	ABAP System
/sap/opu/odata/sap/ZZ1_SUPLRBANKDETAILSBYINTI_CDS	OData	ABAP System

BAPI_CUSTOMER_GETDETAIL2	RFC	ABAP System
ZWF_FM_HR_MASTER_GET_APPR_MULT	RFC	ABAP System

Import, configure and deploy cloud integration content

This package utilizes Cloud Integration capability within SAP Integration Suite to provide integration between SAP ERP (or SAP S/4HANA) and SAP Build Process Automation or SAP Workflow Management. Further details can be found in dedicated integration guide of the integration package “SAP Build Process Automation Integration with SAP S/4HANA for Urgent Payment Request Approval”.

Add Workflow start UI in Fiori Launchpad Site

Configure Fiori Launch Pad site to access Workflow Monitoring applications, My Inbox, Process Visibility Workspace and Start UI application to create approval requests.

Please refer help documentation [how to configure a start ui tiles on Central Fiori Launchpad](#).

Deploy Custom UIs and Workflow module

The project consists of the following:

- urgentPaymentRequest HTML5 module – serves as the Workflow Start User Interface application for creation of **urgent payment requests**

Configure Urgent Payment Request tile on Central Fiori Launchpad Site

- Open SAP Launchpad site manager application.
- Select Content Manager and Content Explorer
- Search **com.sap.urgentPaymentRequestStartUI** and select SAP UI5 component.
- Click Add to My Content button to include the UI5 component.
- Select My Content tab and Search Everyone.
- Click Everyone from the result and navigate to the details.
- Click Edit button to enable all users to access the new Start UI tile.
- Click New button and Select Group to create a new group.
- Add a Title for eg: Urgent Payment Request under PROPERTIES.
- Click + button and Save button.

Appendix

Perform the below mentioned steps for implementation of custom ABAP objects

To get the list of F4 Help Values from SAP S/4HANA, we are going to create a Custom CDS Views.

Create Custom CDS Views (using In-App Extensibility)

Pre-requisite

You have the necessary tools and rights to create Custom Core Data Service Views. Please refer to

the following - [SAP HANA Core Data Services \(CDS\) Reference](#)

Supplier Value Help URL –

{S4HANA/sap/opu/odata/sap/ZZ1_SUPPLIERCOMPANY_CDS/ZZ1_SupplierCompany
Data Source Name: I_SupplierCompany

Steps:

1. Create a Custom CDS View with the Name ZZ1_SupplierCompany (CDS Name is case-sensitive) and Label "SupplierCompany".
2. Select Scenario "External API"
3. Choose Add > Add Primary Data Source.
4. Choose the data source with the name "I_SupplierCompany".
5. Choose Save Draft.
6. Choose Elements tab.
7. Select the fields as listed in below screenshot (Click on Add -> Elements if the fields are not selected by default)

Key	Alias	Type	Path	Label
Yes	Supplier	CHAR (10)	I_SupplierCompany.Supplier	Vendor
Yes	CompanyCode	CHAR (4)	I_SupplierCompany.CompanyCode	Company Code
No	SupplierFullName	CHAR (220)	I_SupplierCompany._Supplier.SupplierFullName	Supplier Name
No	SupplierName	CHAR(80)	I_SupplierCompany._Supplier.SupplierName	Name of Supplier

8. Choose Publish.

Similarly, repeat steps 1-8 for the below listed CDS views.

Customer Value Help URL –

{S4HANA/sap/opu/odata/sap/ZZ1_CUSTOMERCOMPANY_CDS/ZZ1_CustomerCompany
Data Source Name: I_CustomerCompany

Key	Alias	Type	Path	Label
-----	-------	------	------	-------

Yes	Customer	CHAR (10)	I_CustomerCompany.Customer	Customer
Yes	CompanyCode	CHAR (4)	I_CustomerCompany.CompanyCode	Company Code
No	CustomerFullName	CHAR (220)	I_CustomerCompany._Customer.CustomerFullName	Customer Name
No	CustomerName	CHAR(80)	I_CustomerCompany._Customer.CustomerName	Name of Customer

Supplier Bank Details Value Help URL –

{S4HANA}/sap/opu/odata/sap/ZZ1_SUPLRBANKDETAILSBYINTI_CDS/ZZ1_SuplrBankDetailsByIntl

Data Source Name: I_SuplrBankDetailsByIntld

Key	Alias	Type	Path	Label
Yes	Supplier	CHAR (10)	I_SuplrBankDetailsByIntld.Supplier	Vendor
Yes	BPBankAccountInternalID	CHAR (4)	I_SuplrBankDetailsByIntld.BPBankAccountInternalID	Part.bank type
No	Bank	CHAR (15)	I_SuplrBankDetailsByIntld.Bank	Bank Key
No	BankAccount	CHAR (18)	I_SuplrBankDetailsByIntld.BankAccount	Bank Account
No	BankAccountHolderName	CHAR (60)	I_SuplrBankDetailsByIntld.BankAccountHolderName	Account holder
No	BankCountry	CHAR (3)	I_SuplrBankDetailsByIntld.BankCountry	Bank Country
No	BankName	CHAR (60)	I_SuplrBankDetailsByIntld._Bank.BankName	Bank name

Register OData Services in SAP Gateway

Steps:

8. Go to t-code "/IWFND/MAINT_SERVICE"
 9. Click on "Add Service"
 10. Select the required System Alias
 11. Enter Technical Service Name as "ZZ1_SUPPLIERCOMPANY_CDS" and click on "Get Services"
 12. Select "ZZ1_SUPPLIERCOMPANY_CDS" and click on "Add Selected Services"
 13. Enter the required package and click on OK
- Repeat steps 1 to 6 for Technical Services listed below
- ZZ1_CUSTOMERCOMPANY_CDS
 - ZZ1_SUPLRBANKDETAILSBYINTI_CDS

Creating Function Group

1) ZWF_FG_UTIL_BTPWF

Steps:

1. Go to t-code "SE37"
2. In Menu, select Go to -> Function Groups -> Create Group
3. Enter Function Group name as "ZWF_FG_UTIL_BTPWF" and enter a meaningful Short Text (Select the required package name to save this object)
4. Go to t-code "SE80"
5. Select "Function Group" from dropdown
6. Enter "ZWF_FG_UTIL_BTPWF" as the name of function group and click on Display button
7. Click on Save
8. Right click on the Function Group "ZWF_FG_UTIL_BTPWF" on the left side panel and "Click on Activate" (Click OK button on the pop-up which shows list of inactive objects)

Creating Function Modules

1) ZWF_FM_HR_MASTER_GET_APPR_MULT

Steps:

1. Go to t-code "SE37"
2. Click on "Create" button
3. Enter "ZWF_FM_HR_MASTER_GET_APPR_MULT" as name of Function Module
4. Enter "ZWF_FG_UTIL_BTPWF" as Function Group
5. Enter a meaningful short text
6. Click on "Save" (Click on OK in successive pop-ups)
7. Go to "Import" tab and enter the below mentioned entries

Parameter Name : I_INPUT
Associated Type: ZWF_IP_APPR_T
Pass By Value : Selected

8. Go to "Export" tab and create the below entries:

Parameter Name : E_OUTPUT
Associated Type: ZWF_APPR_DET_MUL_T
Pass By Value : Selected

Parameter Name : E_STATUS
Associated Type: BAPI_MTYPE
Pass By Value : Selected

9. Go to "Source Code" tab and paste the attached code for "ZWF_FM_HR_MASTER_GET_APPR_MULT" from [SAP Note 3169386](#)
10. Go to "Attributes" tab and select radio button for "Remote-Enabled"
11. Click on "Save"
12. Click on "Activate" (Click OK button on the pop-up which shows list of inactive objects)

Note: The details of required "Associated Type" (Table Type) used in the Tables tab are mentioned below:

Table Type: Active
 Short text:

Attributes Line Type Initialization and Access Primary Key Secondary Key

Line Type

Built-in type

Data Type:

No. of Characters: Decimal Places:

Structure: Active
 Short Description:

Attributes Components Input Help/Check Currency/quantity fields

Built-In Type 1 / 2

Component	Typing Method	Component Type	Data Type	Length	Decimal...	Coordinate	Short Description
<input type="checkbox"/> COMPANYCODE	Types	▼ BUKRS	CHAR	4	0		0 Company Code
<input type="checkbox"/> POSITION	Types	▼ PLANS	NUMC	8	0		0 Position

Table Type: Active
 Short text:

Attributes Line Type Initialization and Access Primary Key Secondary Key

Line Type

Built-in type

Data Type:

No. of Characters: Decimal Places:

Structure: Active
 Short Description:

Attributes Components Input Help/Check Currency/quantity fields

Built-In Type 1 / 5

Component	Typing Method	Component Type	Data Type	Length	Decimal...	Coordinate	Short Description
<input type="checkbox"/> USER_ID	Types	▼ SYSID	CHAR	30	0		0 Communication Identification/Number
<input type="checkbox"/> ENAME	Types	▼ EMNAM	CHAR	40	0		0 Formatted Name of Employee or Applicant
<input type="checkbox"/> EMAIL_ID	Types	▼ COMM_ID_LONG	CHAR	241	0		0 Communication: Long Identification/Number
<input type="checkbox"/> BUKRS	Types	▼ BUKRS	CHAR	4	0		0 Company Code
<input type="checkbox"/> PLANS	Types	▼ PLANS	NUMC	8	0		0 Position