

PUBLIC

## **SAP Build Process Automation**

# **Business Partner Creation Approval Process Configuration and User Guide**



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## Change Log

Version	Date	Description
1.0.0	December, 2024	Document created
1.0.0	June 6 <sup>th</sup> , 2025	Document updated with changes in 'Configure Work zone' section

This document contains 3 sections. Each section covers different information about this template content package.

1. **Overview:** In this section, you will get quick overview of the use case, what are high-level components used and how the template works in nutshell. Prerequisite section provides information of different services of SAP Business Technology Platform that are required to use this template.
2. **Configuration Guide:** It contains sections which will guide you to setup your (a) SAP Business Technology Platform Account with destination, cloud connector, user roles etc.(b) Import and configure the template using SAP Build Process Automation design studio and (c) SAP Work Zone to access the My Inbox or Task Center and other applications.
3. **User Guide:** This section provides details about different artefacts that are used in this template like process definition, decision diagram, action project details, forms, email notifications etc. to better understand how different capabilities are used in this template.

**Note:**

- Learning contents are published only for demo and reference purposes. We do not provide any support to learning / sample content.
- This documentation is not a detailed guide to setup SAP Business Technology Platform services. It assumes that IT admin who is setting the content is skilled with SAP Business Technology Platform environment. **Configuration section must be followed.**
- This template content is to accelerate your solution development. You must modify this template according to your requirements to achieve the desired business goal. To use this template content, you need to have basic knowledge and understanding of SAP Build Process Automation, SAP Integration Suite, and its capabilities.

## Overview

This document provides technical information about what needs to be configured to make the package – Business Partner Creation Approval Process run. The main audience of this document are technical personas like IT Administrators or Developers. The document tells what needs to be done to make the solution run. It mainly focusses on technical configuration like destinations for example.

Business Partner Creation Approval Process content package for SAP S/4HANA Cloud enables to automate business partner creation in a flexible and transparent way. It provides flexibility in executing a specific variant of the process depending on attributes like business partner category, etc. When a user submits a request to create a new business partner, a pre-configured process variant is triggered in SAP Build Process Automation based on configurable business conditions. On approval, a business partner is created in SAP S/4HANA Cloud system.

**This content package can be used with both SAP S/4HANA Cloud Private Edition (2023 onwards) and S/4HANA Cloud Public Edition (2502 onwards)**

**Features:**

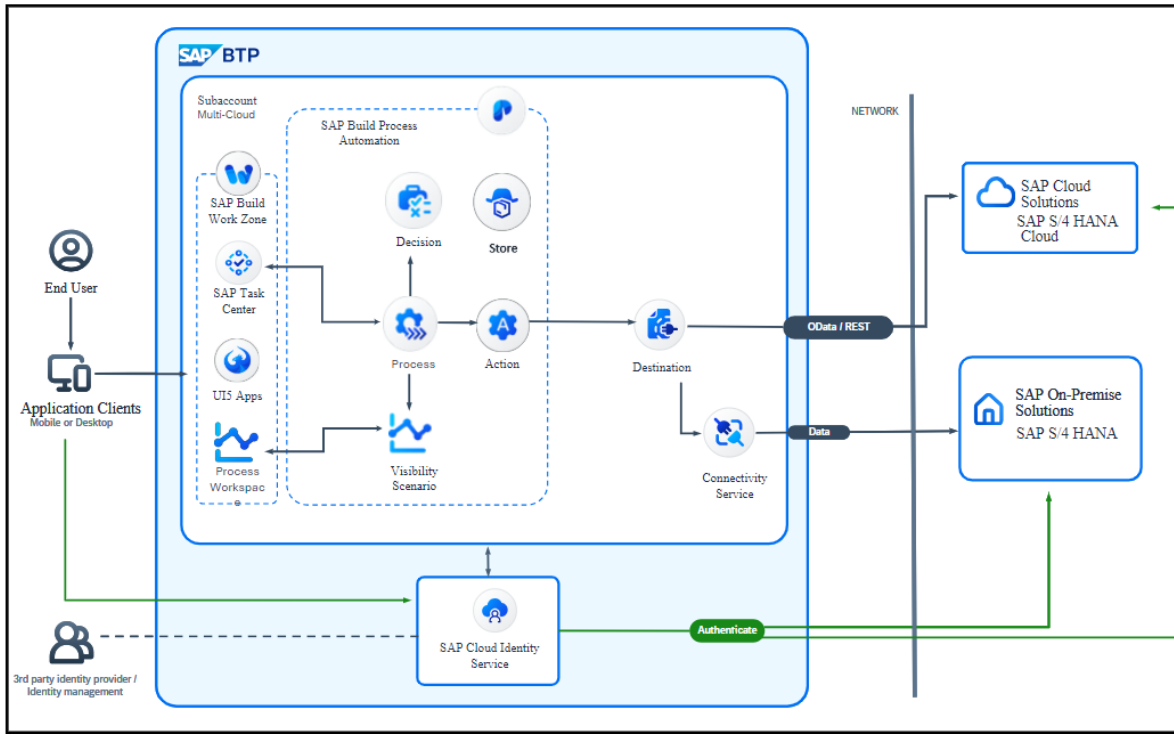
- Plug and Play with SAP S/4HANA Cloud without any additional development.
- Possible to create business partner of category types of Person and Organization.
- Process steps delivered to create a business partner.
- Automatic email notification to parties involved.
- Business Rules provides flexibility in determining process variants and approvers.
- New variant of the process can be created using the pre-delivered process steps in a no-code / low-



code approach.

- Insight to actions using process visibility.
- Out-of-the-box visibility into key process performance indicators.

### Process Flow Diagram



### Solution flow :

1. The requester fills in the business partner details in the UI and triggers the approval process.
2. The task is then assigned to the person responsible for address details, who reviews and completes the address information before submitting the task.
3. Next, the task moves to the person responsible for finance details, where bank and tax information is provided and submitted.
4. The task proceeds to the designated approver for final review and decision.
  - Approve: If approved, a business partner is created in SAP S/4HANA Cloud, and a notification is sent to the requester confirming successful creation.
  - Reject: If rejected, no business partner is created, and the requester receives a notification with the reason for rejection.
  - Rework: If rework is needed, the task is sent back to the requester, responsible person to update address or finance.

**Note:** The package uses Start UI, and the process can be triggered via UI5 BTP Fiori App.

## Required SAP Business Technology Platform Services

The following SAP Business Technology Platform services are required to consume the **Business Partner Creation Approval Process**:

- SAP Build Process Automation
- SAP Connectivity service

- SAP Business Application Studio
- SAP Application Runtime Service
- SAP Work Zone, standard or advanced
- SAP Cloud Identity Services - Identity Authentication (optional)

## Prerequisites

For this template to run successfully the following other prerequisites are needed

- SAP Desktop Agent 3.28 or higher.
- Get access to BTP account.
- Need valid S/4 HANA user.

## Configuration Guide

**Business Partner Creation Approval Process** template requires SAP Build Process Automation subscription and Destination Setup for SAP Build Process Automation. Follow the [setup and configuration section](#).

### Setup SAP S/4HANA

#### Setup Communication

NOTE: This Section is required in-case customer wants to run the usecase with SAP S/4HANA Cloud

To run this template, you must have a communication user, create communication arrangements between the communication user and the following communication scenarios, and assign those communication arrangements to a communication system.

Steps to create communication system and communication arrangement are available in below documentation links:

[How to Create Communication Systems | SAP Help Portal](#)

[How to Create a Communication Arrangement | SAP Help Portal](#)

[Configuration and Role Details for accessing "Communication Systems" application.](#)

[Configuration and Role Details for accessing "Communication Arrangements" application](#)

List of communication scenarios to be configured.

Communication Scenario	Related API
Bank - Read	<a href="#">Overview   Bank - Read   SAP Business Accelerator Hub</a>
Business Partner (A2X)	<a href="#">Overview   Business Partner (A2X)   SAP Business Accelerator Hub</a>

# Setup Business Technology Platform Cockpit

## Configure SAP Build Process Automation Destination

To Access the SAP Build process Automation, you can configure the destination. Please create destination accordingly

Destination Property	Value
Name	sap_process_automation_service
Type	HTTP
URL	<"endpoints"."api">
Client ID	<"uaa"."clientid">
Client Secret	<"uaa"."clientsecret">
Token Service URL	<"uaa"."url"/>/oauth/token
Proxy Type Internet	Internet
Authentication	OAuth2ClientCredentials

Add the property **sap.processautomation.enabled** as **true** to view the destination in the SAP Build Process Automation tenant. Please refer [help document](#) for more details.

## Configure SAP S/4HANA Destination

This content package can be used with both SAP S/4HANA Cloud Private Edition (2023 onwards) and S/4HANA Cloud Public Edition (2502 onwards). Please create destinations accordingly.

Destination Property	Value
Name	<Name>
Type	HTTP
URL	<SAP S/4HANA endpoint> Example: https://<s4system-name>-api.xxxxxxxx
Proxy Type Internet	Internet
Authentication	Basic Authentication
Username	<Username> of the SAP S/4HANA Communication User
Password	<Password> of the SAP S/4HANA Communication User

## Configure SAP Build Process Automation Email Destination

Mail notifications are used in this template to send notifications to requestor, approver, and admin during different stages of the process. Follow the instructions to setup mail destination in your SAP Business Technology Platform Account.

Configuring destination, [Configure Mail Destination](#)

- For more information refer to Create [HTTP Destinations](#) and [OAuth User Token Exchange Authentication](#).

## User Roles Configuration

To access this template, the business user will need these roles:

Role Collection Name	Purpose
TaskCenterAdmin	Permission to execute calls to the connector status API and monitor configured destinations and running background jobs.
Process Automation Developer	Standard Business User, can model and publish processes
ProcessAutomationParticipant	To execute (like accessing MyInbox, running the automations, etc.) this content package, you need to have this role assigned to the respective user.
ProcessAutomationAdmin	To perform process admin activities like accessing monitoring applications etc., you need to have this role assigned to the respective user.
Business_Application_Studio_Administrator	Allows administrators to manage (export and delete) user data.
Business_Application_Studio_Developer	Allows developers to load and develop applications using SAP Business Application Studio.

For more information about SAP Build Process Automation roles, see [Authorizations](#).

## Cloud Connector Configuration

For SAP S/4HANA on-premise landscape, configure cloud connector to enable secure tunnel to SAP Business Technology Platform 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_BUSINESS_PARTNER/A_BusinessPartner	OData	SAP S/4HANA
/sap/opu/odata/sap/API_BANKDETAIL_SRV/A_BankDetail	OData	SAP S/4HANA
/sap/opu/odata/sap/ZZ1_BPCOUNTRY_CDS/ZZ1_BPCountry	OData	SAP S/4HANA
/sap/opu/odata/sap/ZZ1_BPROLE_CDS/ZZ1_BPRole	OData	SAP S/4HANA

## Setup Content Package

### Import SAP Build Process Automation content

Standard automation packages released by SAP will be available at the [SAP Build Process Automation Store](#)

This template can be downloaded from the Store:

1. Navigate to the Store in your SAP Build Process Automation account.
2. Select the Project Type filter as “Business Process.”
3. In the Search bar type “**Business Partner Creation Approval Process**”
4. Select the “Create from Template” button to add the template into your lobby.

5. After successfully adding the template, navigate back to the lobby to find the “**Business Partner Creation Approval Process**” template available for use.

Caution: Be sure to select the **Project Type** as “**Business Process**” in the filters.

## Import and deploy TASK UI application

The content package requires the SAP UI5 user interface which is available in Business Partner Creation Approval Process content package. Below are details of Task UI application:

TASK UI Application Name: BusinessPartnerManagementWorkflow-ui

- Approval - Task UI
- Enrich - Task UI
- Review - Task UI

Following steps can be followed to utilize the SAP UI5 application provided with this process package:

- Download the SAPUI5 application Start UI and Task UI from the imported store project
- Open Business Application Studio and import the previously downloaded SAPUI5 project.
- Build SAPUI5 project using mta.yaml file & the generated project (generated mtar file will be available in the mta\_archives folder) file can be deployed.

## Configuration & Modification

Once you have added the content to your lobby, you will find the project in your project list. Adapt the content template based on your requirements.

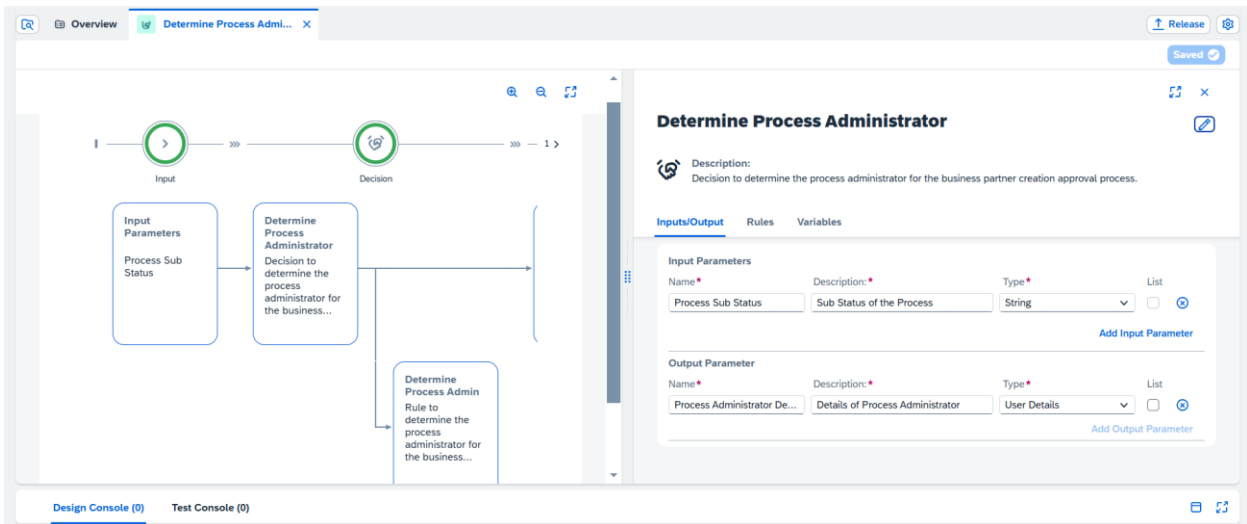
### Configure Decisions

There are 7 decisions in this template. We can configure as required.

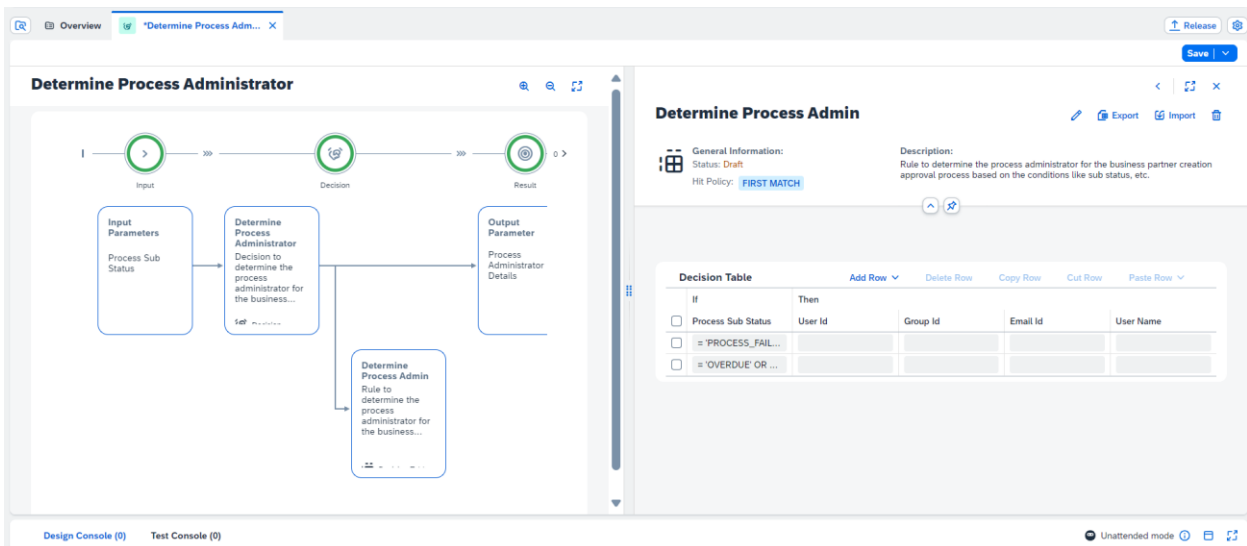
1. Determine Process Administrator

Decision to determine the process administrator for the business partner creation approval process. To modify the decision:

- In process editor, double click to open the decision.
- Select the rule from the decision diagram.



- Edit the rule to add more rows or update existing value.



## 2. Determine Process Definition Id

Decision to determine the process definition id for the business partner creation approval process.

1. The definition id can be found in the Monitoring section, inside Process and Workflow Definitions. You must enter the project name and go to the **main** process. The ID mentioned in the process would be the definition id. Refer [determine the workflow definition ID](#) for more details
2. This definition id must be maintained in a decision table. Please refer below screenshot

**Determine Process Definition Id**

General Information:  
 Status: Draft  
 Hit Policy: **FIRST MATCH**

Description:  
 Rule to determine the process definition id for the business partner creation approval process based on the conditions like business partner category, etc.

Decision Table	
If	Then
<input type="checkbox"/> Business Partner Category	Process Definition Id
<input type="checkbox"/> = '1'	
<input type="checkbox"/> = '2'	

### 3. Determine Process Details

Decision to determine the process details for the business partner creation approval process.

**Determine Process Details**

Description:  
 Decision to determine the process details for the business partner creation approval process.

Inputs/Output

Input Parameters

Name	Description	Type	List
Business Partner Details	Details of Business Partner	Business Partner De...	<input type="checkbox"/>

Output Parameter

Name	Description	Type	List
Process Details	Details of Process	Process Details	<input type="checkbox"/>

### 4. Determine Tax Category Value Help Details

Decision to determine the tax category value help details for the business partner creation approval process.

**Determine Tax Category Value Help Details**

Description:  
 Decision to determine the tax category value help details for the business partner creation approval process.

Inputs/Output

Input Parameters

Name	Description	Type	List
Business Partner Details	Details of Business Partner	Business Partner De...	<input type="checkbox"/>

Output Parameter

Name	Description	Type	List
Tax Category Value Help ...	Details of Tax Category Value Help	Tax Category Value ...	<input checked="" type="checkbox"/>

## 5. Get Default Values

Decision to get the default values for the business partner creation approval process.

The screenshot displays the SAP Business Process Manager interface for the 'Get Default Values' decision node. On the left, a process diagram shows an 'Input' node leading to a 'Decision' node, which then connects to a 'Get SearchTerm1 Value' rule node. The 'Decision' node is highlighted, and its configuration is shown on the right. The configuration includes a description: 'Decision to get the default values for the business partner creation approval process.' Below the description, the 'Inputs/Output' tab is active, showing the following parameters:

Name	Description	Type	List
Default Values Input	Details of Default Values	Default Values	<input type="checkbox"/>
Default Values Output	Details of Default Values	Default Values	<input type="checkbox"/>

## 6. Validate Postal Code

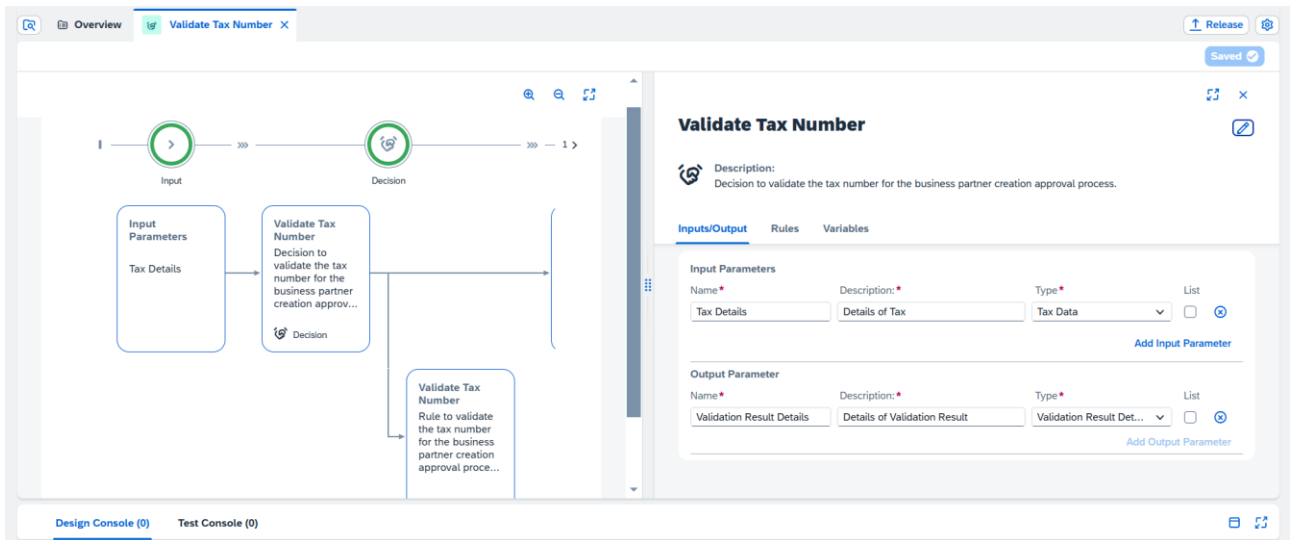
Decision to validate the postal code for the business partner creation approval process.

The screenshot displays the SAP Business Process Manager interface for the 'Validate Postal Code' decision node. On the left, a process diagram shows an 'Input' node leading to a 'Decision' node, which then connects to a 'Validate Postal Code' rule node. The 'Decision' node is highlighted, and its configuration is shown on the right. The configuration includes a description: 'Decision to validate the postal code for the business partner creation approval process.' Below the description, the 'Inputs/Output' tab is active, showing the following parameters:

Name	Description	Type	List
Postal Code Details	Details of Postal Code	Postal Code Details	<input type="checkbox"/>
Validation Result Details	Details of Validation Result	Validation Result Det...	<input type="checkbox"/>

## 7. Validate Tax Number

Decision to validate the tax number for the business partner creation approval process.



## Configure Email

Email notifications are sent to requestor and approver at different places during process and task execution. All the email artefacts in the process have default template body which can be modified.

To update the email body content, do the following:

- Select the mail artefact in the process.
- From the **Settings** in the right-side panel, check the **Mail Header** to confirm the **To** field (or email recipients) and the **Subject**. You can adjust the subject and recipient, if needed.
- You may also add someone in **CC**.
- Click to Open '**Mail Body Editor**'.

## Mail Body

Dear <>> RequesterFirstName <>> RequesterLastName ,  
Please be informed that your request for creation of business partner <>> BPName with request id <>> RequestId has been created in the SAP S/4HANA with id <>> Business Partner .

Close

- The mail editor allows you to write and adjust text according to your needs. You can also reuse information that has been collected during the process. If you want to use additional process context data, you can simply drag the fields from the left menu to the editor on the right.

For more information on email configuration and text, refer to this [link](#)

In case any further extension needs to be made then follow the reference links below.

### Create Process

[Create a Business Process | SAP Help Portal](#)

### Create Forms

[Create a Form | SAP Help Portal](#)

### Create Automation

[Create an Automation | SAP Help Portal](#)

### Create Decision

[Create a Decision | SAP Help Portal](#)

### Create Process Visibility Scenario

[Create a Visibility Scenario | SAP Help Portal](#)

## Release and Deploy the Process

After configuring your process, it's time to publish, test and run it. To run a process, you must first release and deploy it.

**Release** - This locks the version of your process, meaning that no further edits can be made to that version.

At this stage, the process can't be run and isn't available to participants yet.

To release a version of your process:

- First ensure that the status is listed as 'Editable'.
- Then click '**Release**'.

For more information please visit : [SAP Build Process Automation](#)

**Note:** If this is the first time you've released the process, a version labelled 1.0.0 is released. For subsequent releases, you're prompted to select a version type before the process is released.

### Import Destination

Actual destinations that are created in SAP BTP cockpit will be required when you deploy the process. This destination will be mapped to the destination environment variables during deployment.

To configure destination,

- Click on **Control Tower**.
- Select **Destinations** from the right panel.
- Click **Add**

Select the destinations created in the setup section to be added.

For more information and screen shots, please refer to the below link: [Manage Destinations](#)

**Deploy** – This takes a released version of a process and enables it to be actively run and monitored. A deployed version of this approval process unlocks the request form, allowing participants to submit requests and the approvers to view items in their inbox.

To deploy a released version of your process,

- First ensure that the status is listed as 'Released'.
- Then click '**Deploy**'.

For more information and screen shots, please refer to the below link: [Deploy Project](#)

To deploy your project, you will be prompted to provide a destination as an environment variable. Select the destination from the drop-down and fill other environment variables as well.

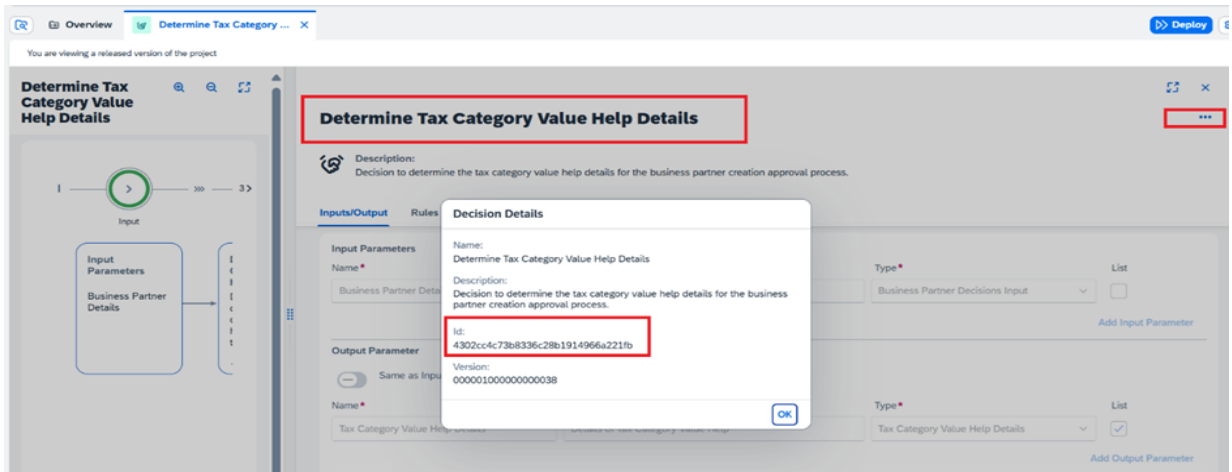
- **S4HANA:** Business Technology Platform destination to connect with SAP S/4HANA system. As shown in SAP S/4HANA destination set-up-section.
- **ProcessAutomation:** Business Technology Platform destination to connect SAP Build Process Automation REST APIs.

**Note:** If you do not map your destination environment variable with actual SAP Business Technology Platform destination during deployment, then the process will enter erroneous state when it tries to connect to the external system.

# Configure and Deploy Task UI

After the process has been deployed, the decision Id is changed. The updated decision Id must be changed in the corresponding Task UI application:

- 1: Once the application and the process has been deployed, go to the deployed process and click on the decision: **Determine Tax Category Value Help Details**. Here, open the decision and see in the deployed version, you will have 3 dots to the right side. Click on that and you will get a link to 'view details'. Click on view details and you will find the id for the decision. This is the rule id in this case. Note it down.



- 2: Go to Business Application Studio and open the corresponding task UI code; go to the file, **Enrich->webapp->controller->Enrich.controller.js**. For the function, **getTaxCategoryDetails**, change the rule id that you have noted above.

```

        BankNumber: oBankDetails[i].BankInternalID,
        SWIFTCode: oBankDetails[i].SWIFTCode,
        CityName: oBankDetails[i].CityName,
    });
}
oModel.setProperty("/BankAccountsVH", aBankDetails);
oModel.refresh();
this.fnCreateFragment(oColumns, "/BankAccountsVH");
},
getTaxCategoryDetails: function (oColumns) {
    // First get the CSRF token
    var oThisController = this,
        oBPModel = oThisController.getParentModel(),
        sCountry = oBPModel.getProperty("/BPRequest/AddressData/Country");

    var oPayload = {
        RuleServiceId: "4302cc4c73b8336c28b1914966a221fb",
        Vocabulary: [{
            Business_Partner_Details: {
                Country: sCountry
            }
        }]
    };

    oThisController.getView().setBusy(true);
}
    
```

- Repeat the steps 1 and 2 to replace other decision id's present in the task UIs. Refer to the below table for more details:

S No.	Decision Name	UI5 Application File Path	Function Name	Decision Id to be replaced
-------	---------------	---------------------------	---------------	----------------------------



1	Validate Postal Code	Enrich->webapp->controller->Enrich.controller.js	_validatePostalCode	60276c8334e73b126418e90fd566462d
2	Validate Tax Number	Enrich->webapp->controller->Enrich.controller.js	_validateTaxNumbers	ea86d280d72c89bf6059f6e3dfa1edc1

## Configure and Deploy Start UI

The content package requires the SAP UI5 user interface which is available in Project Manager Project Creation content package. Below are details of Start UI application

- Start UI Application: CreateRequest - Start UI

Following steps can be followed to utilize the SAP UI5 application provided with this process package:

- Download the SAPUI5 application Start UI from the imported store project.
- Open Business Application Studio and import the previously downloaded SAPUI5 project.
- Once the process has been deployed, go to the deployed process and click on the decision: **Determine Process Definition ID**. Here, open the decision and see in the deployed version, you will have 3 dots to the right side. Click on that and you will get a link to 'view details'. Click on view details and you will find the **id for the decision**. This is the rule id in this case.

The screenshot shows the SAP Business Application Studio interface. On the left, a process flow diagram includes an 'Input Parameters' block (Business Partner Details) and a 'Determine Process Definition Id' decision block. On the right, the 'Determine Process Definition Id' decision details are displayed. A 'Decision Details' dialog box is open, showing the following information:

- Name: Determine Process Definition Id
- Description: Decision to determine the process definition id for the business partner creation approval process.
- Id: 628f601ec845ae46ea52143186f6bca (highlighted in red)
- Version: 0000010000000000038

- This is different for each of us when we deploy the package. Hence this must be changed in the Business Application Studio. To do this, Go to Business Application Studio and open the file, **Create Request.controller.js** and click on *ctrl+F* and search for the text, 'RuleServiceID'. You will find the rule id used in the file as shown below. Change this to the ID that you have noted in the above step.

```

oBPModel.setProperty("/RequesterDetails/RequesterEmailState", "Error");
oBPModel.setProperty("/RequesterDetails/RequesterEmailStateText", invalidReqEmail);
}

if (errorExist) {
    var sGenericErrorText = oThisController.getMessage("FIELD_VALIDATION_ERROR_GENERIC");
    MessageToast.show(sGenericErrorText);
    oThisController.getView().setBusy(false);
    return;
} else {
    this.getDefinitionId();
}

},

getDefinitionId: function () {
    // First get the CSRF token
    var oThisController = this;
    var oModel = oThisController.getParentModel();
    var oPayload = {
        "RuleServiceId": "628f6f01ec845ae46ea52143186f6bca",
        "Vocabulary": [{
            "Business_Partner_Details": {
                "BusinessPartnerCategory": oModel.getProperty("/BPRequest/BusinessPartnerCategory")
            }
        }]
    };
};

oThisController.getView().setBusy(true);

```

- Once changed, build SAPUI5 project using mta.yaml file the generated project (generated mtar file will be available in the mta\_archieves folder) file can be deployed. Please also remember to refresh the work zone tile again. Refer [help documentation](#).

## Configure SAP Work Zone

Configure SAP Work Zone to access the start UI for this automation.

Once SAP Work zone is configured, perform the following steps to create the tile for the start UI:

1. In the Site Manager->Channel Manager, click on the 'Refresh' button, next to HTML5 Apps. In case there is no 'green' status click on the 'Refresh' button gain so that a 'green updated' status is achieved.
2. Open content manager and make sure that the app deployed is seen in the list.
3. Go to the created 'Group' and click on the Edit button to add the deployed START UI.
4. If the Group is not created yet, then use the Create Group button to create and add the START UI.
5. Add the relevant roles to the user.
6. In the Launchpad, The 'Business Partner Creation Approval' application start UI will be available to the user as a tile in the SAP Work Zone.

If you plan to use SAP Work Zone service, then configure [SAP Work Zone with SAP Build Process Automation Applications](#) using help documentation.

## User Guides

### Capabilities

The following are the capabilities of this template:

For detailed information about different artifacts, please refer [help documentation](#)

Type	Name	Description
Decision	Determine Process Administrator	Decision to determine the process administrator for the business partner creation approval process.
Decision	Determine Process Definition Id	Decision to determine the process definition id for the business partner creation approval process.
Decision	Determine Process Details	Decision to determine the process details for the business partner creation approval process.
Decision	Determine Tax Category Value Help Details	Decision to determine the tax category value help details for the business partner creation approval process.
Decision	Get Default Values	Decision to get the default values for the business partner creation approval process.
Decision	Validate Postal Code	Decision to validate the postal code for the business partner creation approval process.
Decision	Validate Tax Number	Decision to validate the tax number for the business partner creation approval process.
Process	Business Partner Creation Approval Process	Process to determine approver for the business partner creation approval process and send it to approver for approval.
Process	Create Business Partner	Process to create a business partner in the SAP S/4HANA system.
Process	Enrich Request with Address Data	Process to determine processor for the business partner creation approval process and send it to processor to provide the address details.
Process	Enrich Request with Finance Data	Process to determine processor for the business partner creation approval process and send it to processor to provide the finance details.
Process	Escalate to Process Administrator	Process to determine administrator for the escalation and send it to administrator for proposal. Further the proposal is sent to the requester for approval.
Process	Notify Process Administrator	Process to determine administrator for the business partner creation approval process

		and send it to administrator for errors and exceptions.
Process	Review Business Partner Details	Process to send the created business partner details to the requester for review after successful creation of the business partner.
Process	Set Default Values	Process to send the created business partner details to the requester for review after successful creation of the business partner.
Data type	Address Data	Data type for maintaining address details like country, city name and etc.
Data type	Bank Data	Data type for maintaining bank details like bank number, bank name and etc.
Data type	Business Partner Decisions Input	Data type for maintaining input details for decision like step name, category and country.
Data type	Business Partner Details	Data type for maintaining business partner details like business partner category, business partner name and etc.
Data type	Business Partner Request Details	Data type for maintaining business partner request details to trigger the process.
Data type	Default Values	Data type for maintaining default values like business partner type, language and etc.
Data type	History Details	Data type for maintaining history details like id, step name, status and comments.
Data type	Postal Code Details	Data type for maintaining postal code details like country and code.
Data type	Process Details	Data type for maintaining process details like due duration and user details.
Data type	Requester Details	Data type for maintaining requester details like requester first name, requester last name and etc.
Data type	Roles Data	Data type for maintaining roles details like business partner role and business partner role short name.
Data type	Tax Category Value Help Details	Data type for maintaining tax category value help details like tax category key and tax category description.
Data type	Tax Data	Data type for maintaining tax details like tax category and tax number.
Data type	User Details	Data type for maintaining user details like email id, user id, group id and username.
Data type	Validation Result Details	Data type for maintaining validation details like status and text.

# Actions

## BP Creation Approval - Restart Process Action

This API uses the process capability of SAP Build Process Automation. With the API, you can, for example, start new process instances and work with tasks.

Method	API	API Path	Purpose
GET	/public/workflow/rest	/public/workflow/rest/v1/workflow-instances/{workflowInstanceld}/error-messages	Retrieves current error messages for a workflow instance.
GET	/public/workflow/rest	/public/workflow/rest/v1/workflow-instances/{workflowInstanceld}	Retrieves the workflow instance with the specified workflow instance ID.
POST	/public/workflow/rest	/public/workflow/rest/v1/workflow-instances	Starts a new process instance of the provided process definition.

## BP Creation Approval - Create Action

This service enables you to create, display, update, and delete data related to business partner, supplier, and customer with the data provided in a payload, in an API call. This service also supports create deep entity operation and batch processing.

Method	API	API Path	Purpose
POST	API_BUSINESS_PARTNER	/sap/opu/odata/sap/API_BUSINESS_PARTNER/A_BusinessPartner	Creates a business partner including Customer, Supplier, Address, Role, Tax, Bank, Identification, Contact, and Industry data.

## Appendix

SAP S/4HANA uses the two letter ISO codes for the countries. When the country field of an address needs to be changed, then the new address must be from the two letter ISO codes list. To make the country field human readable in the UI, the country codes that are supported in SAP S/4HANA will be used. To get the list, we are going to create a Custom CDS View.

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](#)

## Create Custom CDS View for Country (ZZ1\_BPCountry)

### Procedure

1. Create a Custom CDS View with the Name ZZ1\_BPCountry and Label "BPCountry".
2. Select Scenario "External API"
3. Choose Add > Add Primary Data Source.
4. Choose the data source with the name "I\_CountryText" and choose Add.

5. Choose Add > Add Associated Data Source.
6. Choose the data source with the name “I\_Country” and choose Add.
7. Choose Edit Association Properties in the Actions column.
8. In Associated Data Source Fields, choose “Country”. Leave the Operator as equal and in Value choose “Country”.
9. Choose OK.
10. Repeat the step 8 to 10 for I\_Language to add the language as an Associated Data Source.
11. In Associated Data Source Fields, choose Language. Leave the Operator as equal and in Value choose “Language”.
12. Choose OK.
13. Choose Save Draft.
14. Choose Field Selection tab.
15. Fields needed to be selected are Country, Language (are already selected since they are key fields) and select the CountryName field in addition.

Key	Alias	Type	Path	Label	Calculation	Task
<input type="checkbox"/>	<input checked="" type="checkbox"/> CN	Country	CHAR (3)	I_Country.Country		Country/Region Key
<input type="checkbox"/>	<input type="checkbox"/> OFF	Language	LANG (1)	_I_CountryText.Language		Language Key
<input type="checkbox"/>	<input type="checkbox"/> OFF	CountryName	CHAR (50)	_I_CountryText.CountryName		Country/Region Name
<input type="checkbox"/>	<input type="checkbox"/> OFF	LanguageISOCode	CHAR (2)	_I_CountryText_ _Language.LanguageISOCode		Language Code

16. Choose Filters tab.
17. Choose Edit.
18. Choose Fields.
19. Choose the LanguageISOCode field from the dropdown.

### Note

The field name may vary with the variable name given to the language field in previous steps. This field name is “\_I\_Language\_2.LanguageISOCode” if the defaults are preserved.

1. Complete the formula with “='EN'”.

### Note

The complete formula will then look like “\_I\_Language\_2.LanguageISOCode='EN'”.

2. Choose Apply.
3. Choose Save Draft and choose Preview.

### Note

You should see in the table the fields Country Key (2 letters ISO Code), Language Key and Long Name of the countries in English.

4. Choose Publish.

## Create Custom CDS View for Business Partner Roles (ZZ1\_BPRole)

### Procedure

1. Access the SAP Fiori launchpad and click the tile “Custom CDS Views”.
2. Click Create.
3. Enter Label as BPRole, Name as ZZ1\_BPRole.
4. Select Scenario “External API”, click Create.
5. Add primary data source “I\_BusinessPartnerRole”.
6. Add elements.

Elements (3)							
Key	Alias	Type	Path	Label	Calculation	Task	
<input type="checkbox"/>	<input checked="" type="checkbox"/> ON BusinessPartnerRole	CHAR (6)	L_BusinessPartnerRole.BusinessPartnerRole	BP Role			
<input type="checkbox"/>	<input checked="" type="checkbox"/> ON LanguageISOCODE	CHAR (2)	L_BusinessPartnerRole._BusinessPartnerRoleText._Language.LanguageISOCODE	Language Code			
<input type="checkbox"/>	<input type="checkbox"/> OFF BusinessPartnerRoleShor...	CHAR (25)	L_BusinessPartnerRole._BusinessPartnerRoleText.BusinessPartnerRoleShortName	Role Description			

### 1. Add element properties

Element Properties (3)							
Key	Alias	Aggregation	Semantic	Semantic Value	Master Data View	Text View	
<input checked="" type="checkbox"/>	<b>BusinessPartnerRole</b> BP Role	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	
Value Help View: <input type="text"/>		Hidden: <input checked="" type="checkbox"/> OFF					
<input checked="" type="checkbox"/>	<b>LanguageISOCODE</b> Language Code	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	
Value Help View: <input type="text"/>		Hidden: <input checked="" type="checkbox"/> OFF					
<input type="checkbox"/>	<b>BusinessPartnerRoleShortName</b> Role Description	<input type="text"/>	Text <input type="text"/>	<input checked="" type="checkbox"/> ON	<input type="text"/>	<input type="text"/>	
Value Help View: <input type="text"/>		Hidden: <input checked="" type="checkbox"/> OFF					

### 2. Check and Publish the CDS view

## Support

There is no support available for template content. If you experience general issues with SAP Build Process Automation, please follow the links below:

- [Troubleshoot Support Guided Answer](#)
- [Test an Automation Help portal Article](#)
- [Test an Application Help portal Article](#)
- [Get traces Support Guided Answer](#)

If the issue persists, please raise an incident via SAP Support Portal on **BPI-PA-BPC** component.

This template can be modified using SAP Process Automation. For example: add decisions to determine the approver based on a certain business logic or add an action to post collected information to backend SAP system. Refer [help portal](#) for more details.

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