



PUBLIC

SAP Build Process Automation

Mass Maintenance of Purchase Contracts Template

Configuration and User Guide

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Change Log

Version	Date	Description
1.0.0	August 17 2023	Document Created

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 BTP that are required to use this template.

2. Configuration Guide: It contain sections which will guide you to setup your (a) SAP BTP Account with destination, cloud connector, user roles etc., (b) SAPUI5 application via SAP Business Application Studio and (c) Import and configure the template using SAP Build Process Automation design studio and (d) SAP Work Zone to access the MyInbox 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: This documentation is not a detailed guide to setup SAP BTP services. It assumes that IT admin who is setting the content is skilled with SAP BTP environment. Configuration section has to be mandatorily followed to import and configure the template.

Note: 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 and its capabilities.

Overview

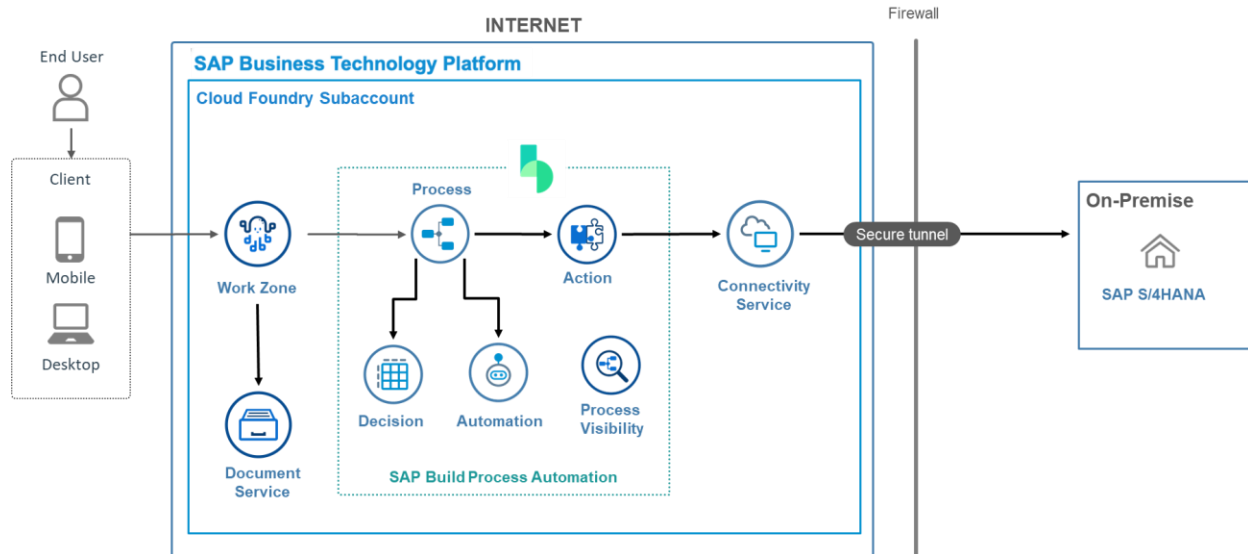
This document provides information about setting up the SAP Business Technology Platform account to consume the SAP Build Process Automation **Mass Maintenance of Purchase Contracts Template**. The main audience of this document are technical IT/system administrators.

Automation facilitates to maintain the purchase contracts with read, create and update operations.

Features

- The Automation must be able to automatically Read data from SAP S/4HANA system to fill excel template.
- The Automation must be able to automatically send the email with consolidate logs once file downloaded.
- The submitted create/update request in start UI will be sent for the approval.
- The Approver will be determined by the Decision table based on the conditions.
- The Automation must be able to automatically store the Purchase Contract Excel file in the predefined folder after approval.
- The Automation must be able to automatically send the email with Purchase Contract Excel file.

Process Flow Diagram



Steps:

1. In Start UI, Fill required selection criteria and request for download.
2. Read data from SAP S/4HANA system to fill excel template.
3. Email sent with consolidate logs once file downloaded.
4. For Create/Update request, upload excel template in Start UI and submit for Approval.
5. Approvers (Procurement, Finance and Delivery teams) will get the tasks sequential for approval
6. Approver will be determined from Decision Table based on conditions (Based on Company code and Purchasing Group)
7. Once tasks are approved, Purchase Contract excel file stored in SAP Document Management Service.
8. Automation will run and execute Purchase Contract excel files which is stored in SAP Document Management Service.
9. Email the Log File (in excel) who raised request.

Prerequisites

The following SAP Business Technology Platform services are required to consume the content package.

Mass Maintenance of Purchase Contracts:

- SAP Build Process Automation to orchestrate the process.
- SAP Cloud Identity Services - Identity Authentication (Optional)
- SAP Connectivity service to establish access to SAP S/4HANA

Other Prerequisites

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

- SAP Desktop Agent 3.17 or higher
- Outlook mailbox configured on the system where the automations will run in order to send mails with attachments.
- The S/4HANA Communication User must have the authorization roles to create/update a purchase purchase contracts through an API call. Applicable authorized objects are: M_RAHM_BSA, M_RAHM_EKO, M_RAHM_EKG, M_RAHM_WRK

Configuration Guide

Mass Maintenance of Purchase Contracts template requires SAP Build Process Automation subscription or CPEA contract. Follow the [setup and configuration section](#)

Setup Business Technology Platform Cockpit

Destination Configuration

Configure Destination to Connect to S/4 HANA Cloud System

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

Note: For SAP S/4HANA Cloud and on-premise, the API should be accessible over internet proxy type, as iRPA Automation does not support on-premise as proxy type as explained in the [SAP Note](#).

Note: Add the following additional properties to the destination

Destination Additional Property	Value
---------------------------------	-------

HTML5.DynamicDestination	True
sap.applicationdevelopment.actions.enabled	True
sap.processautomation.enabled	True

Destination Configuration

Name:
Type:
Description:
URL:
Proxy Type:
Authentication:
User:
Password:

Additional Properties

HTML5.Dynami...	true	
sap.application...	true	
sap.processaut...	true	
TrustAll	true	

User Roles Configuration:

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

Role Name	Purpose
Process Automation Developer	To fully use this content package, you need to have an active user entitled to this role to use SAP Build Process Automation

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

Setup Communication

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
SAP Analytics Cloud for Planning Integration(SAP_COM_0087) Finance - Cloud Consolidation Data Collection Integration(SAP_COM_0241) Employee Central Financial Master Data Integration(SAP_COM_0441) SAP Analytics Cloud for Liquidity Planning Integration(SAP_COM_0443) Excise Tax Integration(SAP_COM_0568) Procurement - Supplier Quotation Management Integration(SAP_COM_0760) Public Sector API Integration(SAP_COM_0761)	Overview Company Code - Read SAP Business Accelerator Hub
Procurement Master Data Integration(SAP_COM_0116) Procurement - Supplier Quotation Management Integration(SAP_COM_0760)	Overview Purchasing Group - Read SAP Business Accelerator Hub
Procurement Master Data Integration(SAP_COM_0116)	Overview Purchasing Organization - Read SAP Business Accelerator Hub
Distributed Manufacturing Integration(SAP_COM_0077) Purchase Contract Integration(SAP_COM_0101)	Overview Purchase Contracts SAP Business Accelerator Hub Overview Product SAP Business Accelerator Hub
An additional communication scenario assigned with custom inbound services	You need to create custom CDS views in your SAP S/4HANA Cloud system, expose them as external APIs, and then create a communication scenario and add these inbound services to this scenario. For details, see next section.

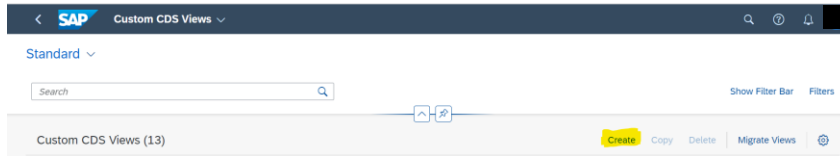
Configure Custom CDS Views and Create Additional Communication Scenario

[Configuration and Role Details for accessing "Custom CDS View" application.](#)

[Configuration and Role Details for accessing "Communication Scenario" Application.](#)

External API creation for Supplier Value Help

1. Open the **Custom CDS Views** app from the Fiori Launchpad.



2. Click **Create** and select the scenario **External API**.

Name - **ZZ1_Supplier_VH**

Create Custom CDS View

Label: *

Name: *

Scenario: *

External API

Create

Cancel

3. Select your **Primary Data Source** – **I_Supplier_VH**

Data Sources (1)						
Name	Alias	Type	Cardinality	Status	Parameters	Join Condition
☐ I_Supplier_VH	I_Supplier_VH	Primary Datasource		Released		

4. Go To Elements Tab and add **Elements** – Supplier, Supplier Name.

Key	Alias	Type	Path	Label	Calculation	Status
☐ ON	Supplier	CHAR (10)	I_Supplier_VH.Supplier	Supplier		
☐ OFF	SupplierName	CHAR (35)	I_Supplier_VH.SupplierName	Name		

5. Check and Publish

- Open the **Communication Scenarios** app and create a new communication scenario.

(We have referred to -[Create an Additional Communication Scenario | SAP Help Portal](#))

- Add the inbound services *CustomCDSViewName*_CDS to the communication scenario and publish it:

- ZZ1_Supplier_VH_CDS**

- Open the **Communication Arrangements** app and create a communication arrangement based on this newly created custom communication scenario.
- In the **Communication System** field under **Common Data**, select the communication system that you have created following the **Create Communication System** step mentioned in [Set Up Communication](#).
- Save your entries.

External API creation for Purchasing Document Value Help

- Open the **Custom CDS Views** app.



- Click **Create** and select the scenario **External API**.

Name - **ZZ1_PurchasingDocumentType**

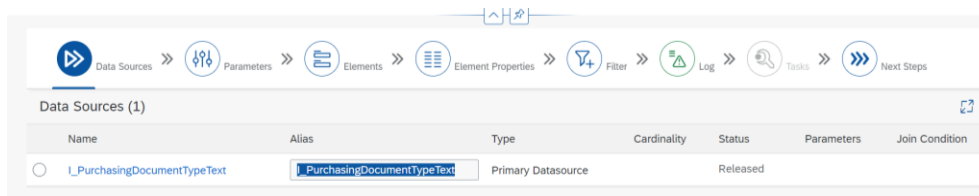
Create Custom CDS View

Label: *

Name: *

Scenario: *

3. Select your **Primary Data Source** – **I_PurchasingDocumentTypeText**



The screenshot shows the 'Data Sources' tab in the SAP CDS View configuration. The breadcrumb navigation at the top includes: Data Sources, Parameters, Elements, Element Properties, Filter, Log, Tasks, and Next Steps. Below the navigation, a table lists the data sources. One source is listed: 'I_PurchasingDocumentTypeText' with alias 'I_PurchasingDocumentTypeText', type 'Primary Datasource', and status 'Released'.

Name	Alias	Type	Cardinality	Status	Parameters	Join Condition
I_PurchasingDocumentTypeText	I_PurchasingDocumentTypeText	Primary Datasource		Released		

4. Go To Elements Tab and add **Elements** – PurchasingDocumentType, PurchasingDocumentCategory, Language, PurchasingDocumentTypeName

	Key	Alias	Type	Path	Label	Calculation	Status
☐	ON	PurchasingDocumentType	CHAR (4)	I_PurchasingDocumentTypeText.PurchasingDocumentType	Purchasing Doc. Type		
☐	ON	PurchasingDocumentCategory	CHAR (1)	I_PurchasingDocumentTypeText.PurchasingDocumentCategory	Purch. Doc. Category		
☐	ON	Language	LANG (1)	I_PurchasingDocumentTypeText.Language	Language Key		
☐	OFF	PurchasingDocumentType...	CHAR (20)	I_PurchasingDocumentTypeText.PurchasingDocumentTypeName	Doc. Type Descript.		

5. Check and Publish

- Open the **Communication Scenarios** app and create a new communication scenario.

(We have referred to -[Create an Additional Communication Scenario | SAP Help Portal](#))

- Add the inbound services *CustomCDSViewName*_CDS to the communication scenario and publish it:

- ZZ1_PurchasingDocumentType _CDS**

- Open the **Communication Arrangements** app and create a communication arrangement based on this newly created custom communication scenario.
- In the **Communication System** field under **Common Data**, select the communication system that you have created following the **Create Communication System** step mentioned in [Set Up Communication](#).
- Save your entries.

External API creation for Plant Value Help

- Open the **Custom CDS Views** app.



- Click **Create** and select the scenario **External API**.

Name - **ZZ1_Plant_VH**

Create Custom CDS View

Label: *

Plant_VH

Name: *

ZZ1_Plant_VH

Scenario: *

External API

Create Cancel

3. Select your **Primary Data Source – I_Plant**

Navigation: Data Sources » Parameters » Elements » Element Properties » Filter » Log » Tasks » Next Steps

Data Sources

Name	Alias	Type	Cardinality	Status	Parameters
No data source added yet. Click Add to select a CDS view as basis.					

Add Delete

Primary Data Source
Associated Data Sources

Select: Primary Data Source

I_Plant

Show Filter Bar Filters (2)

Data Sources (83)

Name	Label	Source Origin	Modeling Data Source	Mode
I_Plant	Plant	ABAP Development Tools	✓	

4. Go To Elements Tab and add **Elements** –Plant and PlantName

The screenshot shows the 'Data Sources' app interface. The top navigation bar includes icons for Data Sources, Parameters, Elements, Element Properties, Filter, Log, Tasks, and Next Steps. The 'Data Sources (1)' table has the following columns: Name, Alias, Type, Cardinality, Status, Parameters, and Join Condition. One data source is listed: I_Plant, with Alias I_Plant, Type Primary Datasource, and Status Released. At the bottom right, there are buttons for Publish, Check, Preview, Cancel, and Inventory.

5. Check and Publish

The screenshot shows the 'Elements' app interface. The top navigation bar is the same as the previous screenshot, but the 'Elements' icon is highlighted. The 'Elements (2)' table has the following columns: Key, Alias, Type, Path, Label, Calculation, and Status. Two elements are listed: Plant (Type CHAR (4), Path I_Plant.Plant, Label Plant) and PlantName (Type CHAR (30), Path I_Plant.PlantName, Label Plant Name). At the bottom right, there are buttons for Publish, Check, Preview, Cancel, and Inventory.

- Open the **Communication Scenarios** app and create a new communication scenario.

(We have referred to -[Create an Additional Communication Scenario | SAP Help Portal](#))

- Add the inbound services *CustomCDSViewName*_CDS to the communication scenario and publish it:

- **ZZ1_Plant_VH_CDS**

- Open the **Communication Arrangements** app and create a communication arrangement based on this newly created custom communication scenario.

- In the **Communication System** field under **Common Data**, select the communication system that you have created following the **Create Communication System** step mentioned in [Set Up Communication](#).

- Save your entries.

Setup Build Process Automation:

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

Import Content

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 “process automation”
3. In the Search bar type “**Mass Maintenance of Purchase Contracts**”
4. Select the “Create from Template” button to add the template into you lobby.
5. After successfully adding the template, navigate back to the lobby to find the “Mass Maintenance of Purchase Contracts” template available for use.

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, and then release and deploy from the Lobby.

In case any enhancement needs to do then follow the below reference links.

Create an Automation

<https://help.sap.com/docs/build-process-automation/sap-build-process-automation/create-automation-process-automation>

Create a Business Process

<https://help.sap.com/docs/build-process-automation/sap-build-process-automation/create-business-process>

Create a Form

<https://help.sap.com/docs/build-process-automation/sap-build-process-automation/create-form>

Create a Decision

<https://help.sap.com/docs/build-process-automation/sap-build-process-automation/create-decision>

Create a Datatype

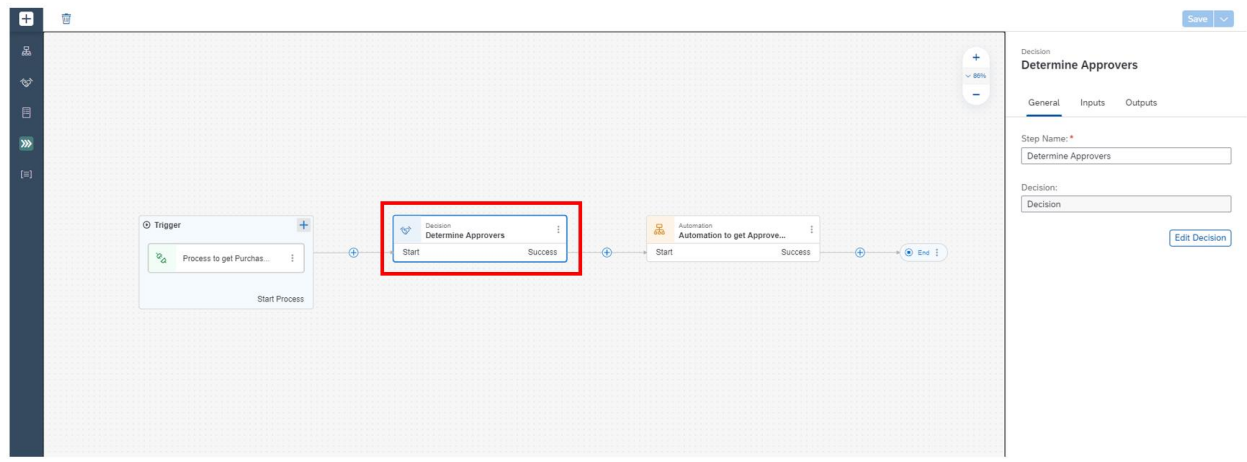
<https://help.sap.com/docs/build-process-automation/sap-build-process-automation/create-data-type-process-automation>

Configure Decisions

We have two decisions in this template.

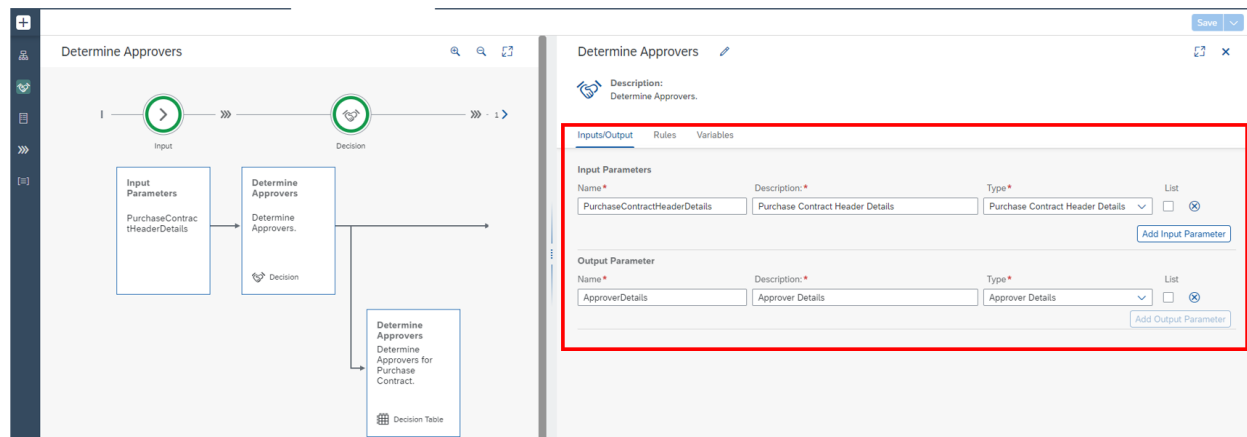
Determine Approval Process – This decision is used to determine if the approval steps are needed for the current process or not.

Determine Approvers - This decision is used to determine the approver email address where the approval task for the Purchase Contract will be sent.



These decisions must be modified for conditions and result values based on your business policies and requirements. To modify the decision:

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



The attributes used in the decision rule can be selected as per requirement.

Edit Rule

1 Rule Details 2 **Configure Conditions** 3 Configure Results 4 Review

2. Configure Conditions

Click a vocabulary or its fields to configure the conditions.

Vocabulary

Search vocabulary or its fields

Input / Output

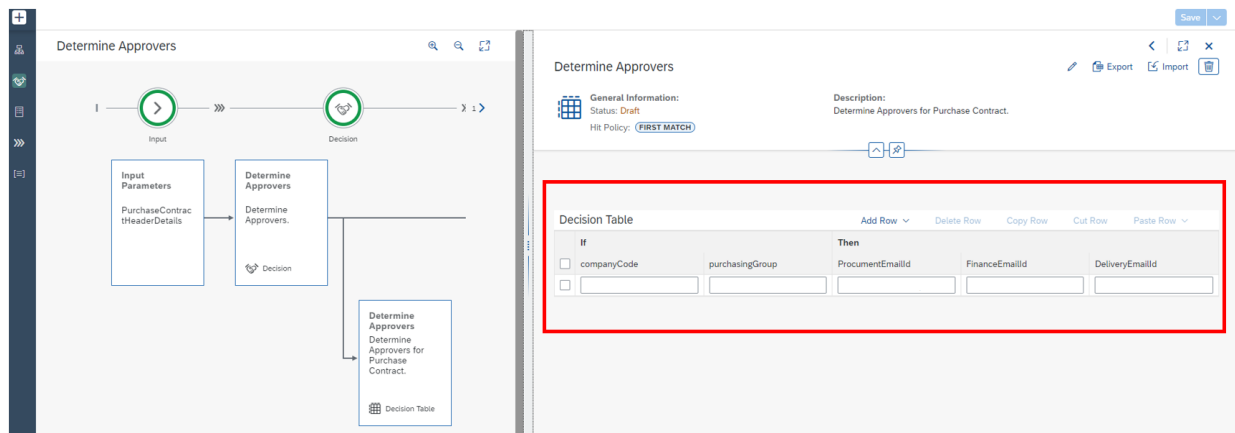
- PurchaseContractHeaderDetails
- ApproverDetails

Condition Details

Condition Attributes	Label	Operator (Optional)
☐ PurchaseContractHeaderDetails.companyCode	companyCode	
☐ PurchaseContractHeaderDetails.purchasingGroup	purchasingGroup	
☐ Use vocabulary or Ctrl+Space for expressions		

Previous Step Next Step

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



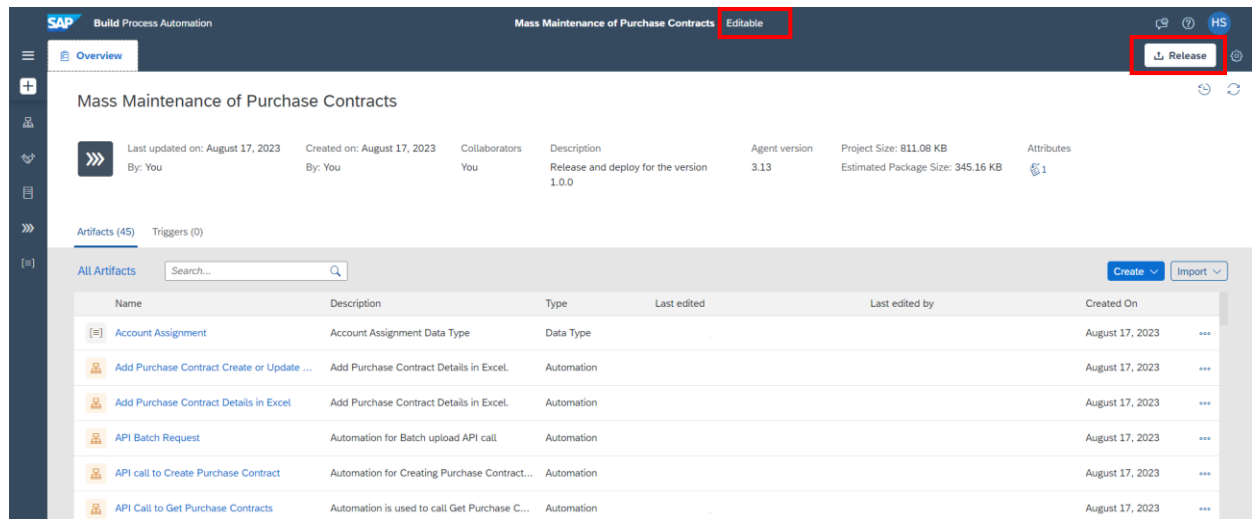
Release and deploy the Process

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'



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.

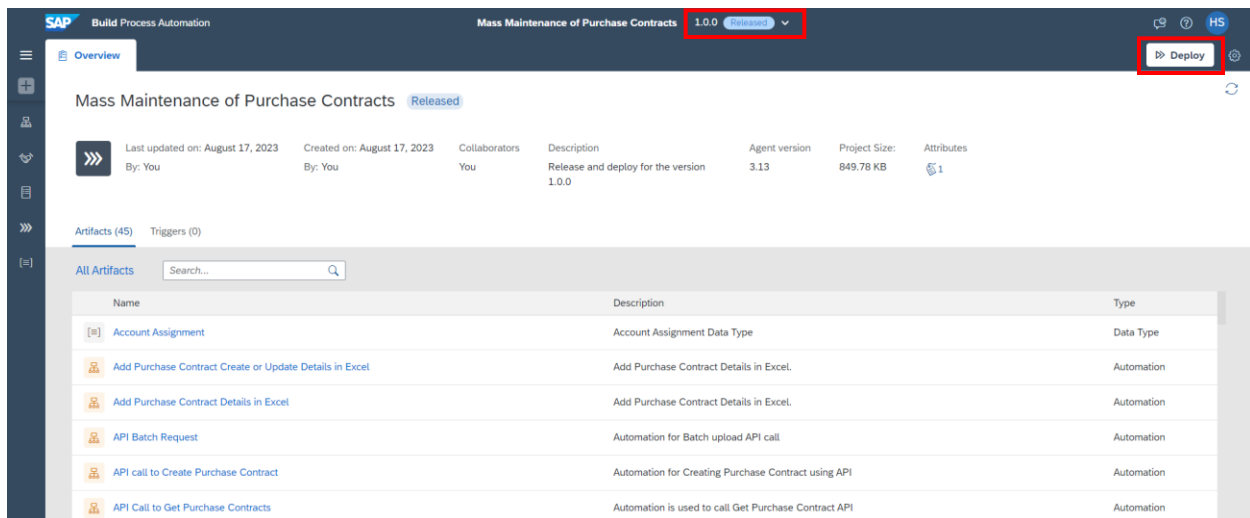
Deploy – This takes a released version of a process and enables it to be actively run and monitored. A deployed version of this approval process unlocks the request form, allowing participants to submit requests and the approvers to view items in their inbox.

To deploy a released version of your process,

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

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

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



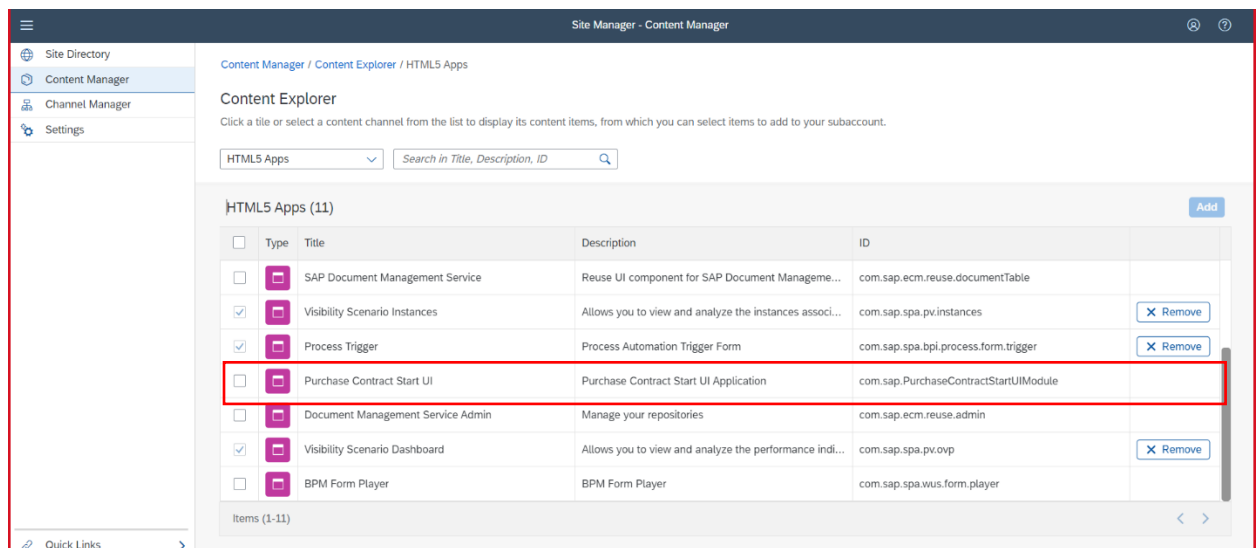
- For more details about the Destination artefact, please read our [documentation](#).

Configure SAP Build Work Zone

Configure SAP Build Work Zone to access the start UI for this automation. Please refer help documentation [Configuring SAP Build Work Zone](#)

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

1. Open Content Manager and click on the HTML5 Apps
2. Select the Purchase Contract Start UI from the list of apps and choose Add



3. Add the relevant roles to the user. The purchase contract application start UI will be available to the user as a tile in the launchpad.

User Guide

Capabilities

The following are the capabilities of this automation template:

Icon	Type	Name	Description
	Automation	Add Purchase Contract Create or Update Details in Excel	Add Purchase Contract Details in Excel.
	Automation	Add Purchase Contract Details in Excel	Add Purchase Contract Details in Excel
	Automation	API Batch Request	Automation for Batch upload API call
	Automation	API call to Create Purchase Contract	Automation for Creating Purchase Contract using API
	Automation	API Call to Get Purchase Contracts	Automation is used to call Get Purchase Contract API
	Automation	Automation to Determine Approval	Automation to Determine Approval is required or not.
	Automation	Automation to get Approver Details	Automation to get Approver Details
	Automation	Create and Update Operations Main Automation	Reading Excel and Create Payload for Creating Purchase Contract
	Automation	Create Control Log Report File	Automation to create Log Report for Read Operation
	Automation	Create Folder for SAP Document Management Service	Automation to Create Folder for SAP Document Management Service
	Automation	Create Folder for Excel Templates	Create Folder for Log Files
	Automation	Create Folders for Purchase Contract Input File and Log File	Automation to create temporary folders in system to store Log and Input files
	Automation	Create Log Folder for Create and Update Operation to Store Log File	Automation to create Log Folder for Storing Excel log files for Create and Update operation
	Automation	Create PurchaseContracts ControlLog Worksheet	Creating Worksheet to store the Data
	Automation	Creating Headers to all worksheets for Read operation	Automation to Create Headers to all worksheets for Read operation

	Automation	Creating Worksheets for Input Excel	Creating Worksheets for Input Excel
	Automation	Download Document from SAP Document Management Service	Download Document from SAP Document Management Service
	Automation	Generating Excel Header for Harcoded Values	Automation to Generate Excel Header for Harcoded Values
	Automation	Generating Excel Log file for Create and Update Operations	Automation for Excel Log Report for Create Update Operation
	Automation	Get Purchase Contracts Details	Main Automation for Read Operation
	Automation	Get Values from Active Worksheet	Automation to Get Values from Active Worksheet
	Automation	On Reject Send Email to Requestor	On Reject Send Email to Requestor
	Automation	Process Document from SAP Document Management Service	Process Document from SAP Document Management Service
	Automation	Read and Process Excel Data from Input Template	Read and Process Excel Data from Input Template
	Automation	Send Purchase Contract Data Email to Requestor	Automation to Send Email
	Automation	Update Payload API call	Automation for API call upload Operation
	Automation	Upload Document in SAP Document Management Service	Upload Document in SAP Document Management Service
	Process	Process to Create or Update Purchase Contract Details	Process to Create or Update Purchase Contract Details
	Process	Process to Determine Approval	Process to Determine Approval
	Process	Process to get Approver Details	Process to get Approver Details
	Process	Process to get Purchase Contract Details	Process to get Purchase Contract Details
	Process	Purchase Contract Approval Process	Purchase Contract Approval Process
	Form	Delivery Team Approval	Delivery Team Approval

	Form	Finance Team Approval	Finance Team Approval
	Form	Procurement Team Approval	Procurement Team Approval
	Decisions	Determine Approval Process	Determine Approval Process
	Decisions	Determine Approvers	Determine Approvers
	Data type	Account Assignment	Account Assignment Data Type
	Data type	Approver Details	Approver Details Data Type
	Data type	Document Folder Path	Document Folder Path Data Type
	Data type	Purchase Contract	Purchase Contract Data Type
	Data type	Purchase Contract Header Details	Purchase Contract Header Details Data Type
	Data type	Purchase Contract Item	Purchase Contract Item Data Type
	Data type	ReadScreenData	ReadScreenData Data Type
	Data type	UploadScreenData	UploadScreenData Data Type

This content package will enable SAP ERP customers to automate the Mass Maintenance of Purchase Contracts in SAP S/4HANA System. The purpose of this technical specification is to outline the process and requirements for maintain the purchase contracts. This specification also includes the necessary table and field mappings within SAP, as well as the latest API to be used to read, create, and update the purchase contracts. Automation will be triggered once the user uploads the excel template at the start UI

Automations

API Batch Request

This automation calls the update API for updating the Purchase Contract data in S/4HANA and capture required error logs in excel.

API	API Path	Purpose
API_PURCHASECONTRACT_PROCESS_SRV;v=2	/sap/opu/odata/sap/API_PURCHASECONTRACT_PROCESS_SRV;v=2/A_PurchaseContract	GET the API Token to be passed to post API call
API_PURCHASECONTRACT_PROCESS_SRV;v=2	/sap/opu/odata/sap/API_PURCHASECONTRACT_PROCESS_SRV;v=2/\$batch	POST batch request for updating Purchase Contract data

API call to Create Purchase Contract

This automation calls the create API for creating new Purchase Contracts in S/4HANA and capture required error logs in excel.

API	API Path	Purpose
API_PURCHASECONTRACT_PROCESS_SRV;v=2	/sap/opu/odata/sap/API_PURCHASECONTRACT_PROCESS_SRV;v=2/A_PurchaseContract	GET the API Token to be passed to post API call
API_PURCHASECONTRACT_PROCESS_SRV;v=2	/sap/opu/odata/sap/API_PURCHASECONTRACT_PROCESS_SRV;v=2/A_PurchaseContract	POST request to create new Purchase Contracts

API Call to Get Purchase Contracts

This automation is used to fetch existing Purchase Contracts data from S/4HANA.

API	API Path	Purpose
API_PURCHASECONTRACT_PROCESS_SRV;v=2	/sap/opu/odata/sap/API_PURCHASECONTRACT_PROCESS_SRV;v=2/A_PurchaseContractItem?\$format=json&\$expand=to_PurCtrAccount,to_PurchaseContract&\$select=PurchaseContract,PurchaseContractItem,PurchaseContractItemText,Plant,MaterialGroup,OrderQuantityUnit,DocumentCurrency,OrderPriceUnit,TargetQuantity,Material,ContractNetPriceAmount,AccountAssignmentCategory,to_PurchaseContract/PurchaseContract,to_PurchaseContract/PurchaseContractType,to_PurchaseContract/CompanyCode,to_PurchaseContract/Supplier,to_PurchaseContract/PurchasingOrganization,to_PurchaseContract/Pu	GET Purchase Contracts list and details

	rchasingGroup,to_PurchaseContract/ValidityStartDa te,to_PurchaseContract/ValidityEndDate,to_Purcha seContract/PurchaseContractTargetAmount,to_Pur CtrAccount/AccountAssignment,to_PurCtrAccount/ PurchaseContractItem,to_PurCtrAccount/Purchase Contract,to_PurCtrAccount/GLAccount,to_PurCtrAc count/CostCenter,to_PurCtrAccount/ControllingArea ,to_PurCtrAccount/ProfitCenter,to_PurCtrAccount/W BSElementExternalID,to_PurCtrAccount/OrderID,to _PurCtrAccount/MasterFixedAsset	
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Process

Process to Create or Update Purchase Contract Details

The process "Process to Create or Update Purchase Contract Details" will trigger via UI. This process will call the "Process Document from DMS" Automation to read data from SAP Document Management Service.

Process to Determine Approval

This Process calls the "Determine Approval Process" decision to check whether approval is Mandatory or optional for this Create/Update Purchase Contracts.

Process to get Approver Details

This Process calls the "Determine Approvers" decision to get the approver details for the corresponding grouped Purchase Contracts and calls "Automation to get Approver Details" automation to create and upload excel in SAP Document Management Service.

Process to get Purchase Contract Details

In Start UI whenever User triggers the Read Purchase Contract request after filling Selection Criteria, this Process will be triggered to get all the Purchase Contracts that matches based on the selection criteria.

Purchase Contract Approval Process

This Process used to assign Task UI to respective Approvers to make decision on the Purchase Contract Details. It will have 3 sequential Approver flow (Procurement, Finance and Delivery). If fully approved then it will trigger "Create and Update Operations Main Automation" Automation to create/update Purchase Contract else it will send rejected email and end the process.

Forms

Delivery Team Approval

The screenshot shows the SAP Build Process Automation interface for a process named 'Delivery Team Approval'. The interface includes a left-hand menu with various widget options like Headline, Paragraph, Text, Text Area, Dropdown, Choice, Checklist, Number, Date, File, Table, and Link. The main workspace displays a form titled 'Delivery Team Approval' with the following fields:

- Company Code:** A dropdown menu with a 'Prepopulated Field' indicator.
- Purchasing Group:** A dropdown menu with a 'Prepopulated Field' indicator.
- Purchase Contract Details:** A section containing an 'Upload File(s)' button and a text prompt: 'Drag any field or click to add here'.

At the bottom right of the form, there are buttons for 'Approve' and 'Reject'.

Finance and Procurement teams will also receive similar tasks for approval in a sequential manner.

Decisions

Determine Approval Process

Text Rule:

```
If
    uploadScreenData.fileObjectId != ""
Then
    ApprovalRequired: 'No'
```

Determine Approvers

Input		Result		
CompanyCode	PurchasingGroup	ProcurementEmailId	FinanceEmailId	DeliveryEmailId

Key Parameters used in the Automation:

downloadFilePath: File path where the log files are downloaded

Destination: Destination to connect to S4 System

DMS_Destination: Destination to connect to DMS

downloadFilePath:

Destination:

DMS_Destination:

Output

	A	B	C	D
1	Control Records			
2	Input File	Input	Success	Failure
3	No of Contracts read from Template. (Create)	0	0	0
4	No of Contracts read from Template. (Update)	1	1	0
5	Total Number of Contracts	1	1	0
6				
7				
8				
9				
10	Note : Detail Report tab will have more information on Purchase Contracts			

	A	B	C
1	Purchase Contract Number	Status	Message
2	4600000873	201	Updated
3			

Support

There is no support available for template content. If you experience general issues with SAP Build Process Automation, raise an incident via SAP Support Portal on **BPI-PA-BPC** component.

This template can be modified using SAP Process Automation. For example: add business rules 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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