SAP BUSINESS TECHNOLOGY PLATFORM | EXTERNAL

Configuration Guide

Content Package for Stock Clearance using SAP Build Process Automation

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Overview

This document provides information about configuration steps to consume the package content package for **Stock Clearance.** The main audience of this document are Headquarter users, Subsidiary users, Developers and Product owners.

This scenario enables a Headquarter point of contact to inform subsidiary point of contact on stock clearance process for the identified products. Headquarter POC will initiate the process by uploading the list of products which may fall into a category of discontinued or any other criteria applicable to the respective business. As soon as the Headquarter POC submits the product list, subsidiary POC will be informed to update the product list with decision and remarks for those products which needs to be considered for stock clearance.
Once subsidiary submits their recommendation, Headquarter POC will be notified to review and update as necessary. Post Headquarter approval, material documents will be posted, and the list of the documents will be shared with headquarter and subsidiary.

Artifacts

A package consists of process templates, process steps, process variants, decisions, and process visibility models. Please refer help documentation about these artifacts.

Process

A process template is a set of business activities and tasks that, once completed, fulfills an organization goal. The content package for **Stock Clearance** package contains the following process template:

com.sap.content.stockclearance – Contains the steps needed for the scenario

A business process can be broken down logically into smaller parts or steps. Each process step is a collection of activities to perform a specific task. For example, an approval process step can contain activity to determine the approvers, approval task, notifications, and handle the approval result. Table 1 represents the list of process steps/sub flows available to be used in content package for **Stock Clearance.**

Table 1. Process Steps

Process Steps	Cardinality	Detailed Description
Prepare AVIS List	1…1	Mandatory step that must be placed at the start of the variant. It will prepare data for AVIS List and will create a user task in the inbox of Subsidiary POC. If no Subsidiary POC found, a notification will be sent for the respective process admin to handle the issue with the rule
Process AVIS List in Headquarter	1…1	Mandatory step that must be placed after Prepare AVIS List. Headquarter POC will be notified to review and update the AVIS List. This step will create a user task in the inbox of the Headquarter POC. If no Headquarter POC found, a notification will be sent for the respective process admin to handle the issue with the rule.
Optional Subsidiary Confirm AVIS List	0…1	Optional step that must be placed after Process AVIS List. Subsidiary POC will be notified to confirm the AVIS List.
Execute Headquarter Decisions	1…1	Mandatory step that must be placed after Process AVIS List or Confirm AVIS List based on the inclusion / exclusion of the optional step. This step is executed in background mode to create material document based on AVIS List decisions. Post material document creation, a notification will be sent to Subsidiary POC and Headquarter POC.

The process has attributes, and these attributes are available in process visibility to search approval process instances and to define process performance indicators. Please see Table 3 for more details.

Table 2. Process Attributes.

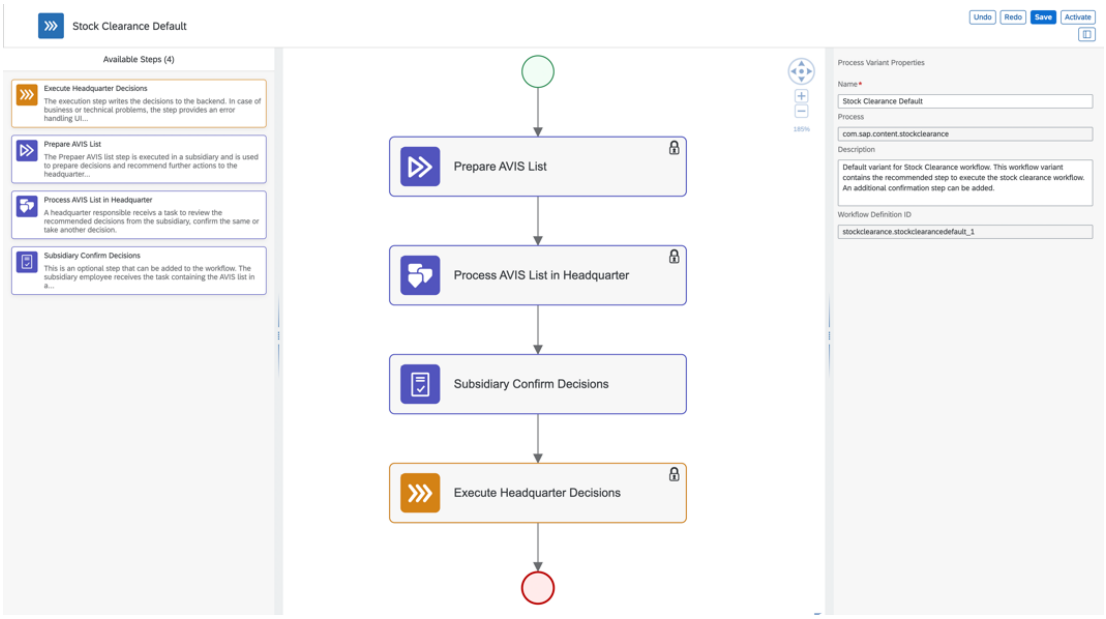
Process Attributes	Detailed Description
Subsidiary Id	Subsidiary Id
Material Number	Material Number
Quantity	Quantity
Material Group	Material Group
Status	Status

Variant	Variant Name
Variant Id	Variant Id

Process Variants

A process variant consists of multiple process steps configured by a line of business expert. It is possible to create multiple variants of the same process.

Please refer help documentation about how to import content packages and configure a process variant



Configure Process Variants for Stock Clearance with SAP Build Process Automation

1. In the SAP Build Process Automation Development Lobby, click to open the package with name Stock Clearance. This opens the package in a new tab/window.
2. Click the + icon next to the process template to create a new process variant.
3. Enter Name of the new Process Variant (ex, Two Step Approval).
4. Click the newly created Process Variant tile to save and activate the process variant.
5. The process variant has a default implementation with two steps and at least one level of approval.
6. It is possible to remove steps like “Approval for Stock Clearance” from a process variant only if there are multiple approvals. Please note that whether a step is mandatory or optional, and how many a times any step can be used within a variant, are dependent on the constraints defined on the process steps.
7. Save and activate the variant. A successful activation will create a new workflow definition in the account that can be viewed in the Monitor Processes and Workflows app.

Decisions & Policies

Decisions allow to encapsulate the business logic from core applications and supports the reuse of Decisions across different business processes. Decisions enable customers to adopt changes in processes without changing the underlying workflows or application logic. SAP Build Process Automation has Decision capabilities that enables customers to centrally manage all decisions. Please go through the Decisions capabilities in SAP Build Process Automation.

Content Package for Stock Clearance enable customers to flexibly configure decisions to gain flexibility to

1. Determine Subsidiary Information
2. Prepare Decision List
3. Prepare Reason List
4. Prepare Goods Movement List
5. Prepare Goods Movement Reasons List

1. Determine Subsidiary Information

Determines Subsidiary general information

Rule Service Name: Determine Subsidiary Information

Input: Input (Structure data type)

ATTRIBUTE	TYPE	DESCRIPTION
Plant ID	String	Plant Id

Output: Result (Structure data type)
Subsidiary information based on Plant id.

ATTRIBUTE	TYPE	DESCRIPTION
Subsidiary Id	String	Subsidiary id
Subsidiary Name	String	Subsidiary Name
Subsidiary Email	String	Subsidiary Email
Headquarter Id	String	Headquarter id
Headquarter Email	String	Headquarter Email
IT Support Email	String	Support Email id
Variant Id	String	Default Variant Id
Headquarter Plant Id	String	Headquarter Plant

Where Used: Prepare AVIS List, Process AVIS List, Execute Headquarter Decisions

2. Prepare Decision List

Prepare decisions for stock clearance

Rule Service Name: Decision List

Input: Decision List Input (Structure data type)

ATTRIBUTE	TYPE	DESCRIPTION
Decision id	String	Decision id

Output: Decision List Output (Structure data type)
Decisions based on decision id.

ATTRIBUTE	TYPE	DESCRIPTION
Decision Key	String	Decision key
Decision Text	String	Decision Text

Where Used: Prepare AVIS List, Process AVIS List, Execute Headquarter Decisions

3.Prepare Reason List

Prepare Reasons for stock clearance

Rule Service Name: Reason List

Input: Reason List Input (Structure data type)

ATTRIBUTE	TYPE	DESCRIPTION
Reason id	String	Reason id

Output: Decision List Output (Structure data type)
Decisions based on decision id.

ATTRIBUTE	TYPE	DESCRIPTION
Reason Key	String	Reason Key
Reason Text	String	Reason Text

Where Used: Prepare AVIS List, Process AVIS List, Execute Headquarter Decisions

4. Prepare Goods Movement List

Prepare Goods Movement List for Goods Movements Type and Goods Movements Type

Rule Service Name: Goods Movement List

Input: Goods Movement Input (Structure data type)

ATTRIBUTE	TYPE	DESCRIPTION
Decision id	String	Decision id

Output: **Goods Movement Output** (Structure data type)
Goods movements output based on Decision id.

ATTRIBUTE	TYPE	DESCRIPTION
Decision Key	String	Decision Key

Goods Movement Type	String	Goods Movement Type
Goods Movement Code	String	Goods Movement Code

Where Used: Execute Headquarter Decisions

5. Goods Movement Reasons List

Prepare Goods Movement Reason List for Reasons on Goods Movements.

Rule Service Name: Goods Movements Reasons

Input: Goods Movement Reasons Input (Structure data type)

ATTRIBUTE	TYPE	DESCRIPTION
Reason id	String	Reason id

Output: Goods Movement Reasons Output (Structure data type)
Goods movements reasons output based on Reason id.

ATTRIBUTE	TYPE	DESCRIPTION
Movements Reason Key	String	Goods Movements Reasons Key
Movements Reason Text	String	Goods Movements Reasons Text

Where Used: Execute Headquarter Decisions

Process Visibility

Process Visibility capability in SAP Build Process Automation enables process owners and process operators to gain real time visibility on processes and key process performance indicators. It also enables customers gain out of the box process visibility into their deployed processes. Please refer help documentation for more details.

Content package for Stock Clearance process content package provide out of the box visibility on all the process variants in SAP Build Process Automation. Line of business expert will be able to enhance the visibility scenario to their requirements.

Configure Visibility Scenarios in SAP Build Process Automation

1. Go to the SAP Build Process Automation Lobby.
2. Select Stock Clearance Project.
3. Click to open Stock Clearance scenario.
4. Click Activate button.

Please go through the help documentation on how to configure the visibility scenario.

Access Process Workspace in SAP Build Process Automation

The content package includes a process visibility scenario enable you to get real time visibility into Stock Clearance. There are some performance indicators enable business users to gain transparency on how these workflows are performing. The process visibility configuration tool enables customers to further enhance the

performance indicators to fulfill their requirements. Please go through help documentation on how to configure a visibility scenario.

You can access visibility workspace for Stock Clearance from the Process Workspace tile in Work Zone. If you do not see that tile in your Work Zone workspace then request your admin to give you the access. Please go through help documentation on how to access process workspace.

Configure Work Zone to access the Stock Clearance Visibility Dashboard

1. Once you have added the applications process Visibility Scenario Instances (with app ID com.sap.spa.pv.instances) and Visibility Scenario Dashboard (with app ID com.sap.spa.pv.ovp), follow the below steps to add a tile to access the Stock Clearance dashboard.
    a. Navigate into “Visibility Scenario Dashboard”.
    b. On the screen that opens, choose Create a Local Copy.
    c. To use custom texts, choose Edit and adapt the texts in the General section.
    d. You can use a custom title, description, and subtitle for the title.
    e. Choose the Navigation tab.
    f. Under the Intent section, ensure that the value in the Action tab is unique for every application.
    g. Under the Parameters section, provide the following:

Parameter Name	Parameter Value
Name	scenarioId
Default Value	com.sap.content.stockclearance.Stock_Clearance_Dashboard
Required	Toggle to Yes

    h. Choose Save.
    i. Assign the local copy to a group and make sure that they’re visible to users. For more information, see Assign Apps to a Group and to a Catalog and Assign Content to a Role.

2. Once created, select app that corresponds to “Stock Clearance”.
3. User will see the process visibility dashboard.