Test Script

SAP S/4HANA Cloud Public Edition - 17-12-24

Replenishment in Warehousing (4A2_CA)

PUBLIC

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1   Purpose

Overview

With this process, you can plan and automate the creation of replenishment warehouse tasks to ensure the right inventory levels for your products in the areas where picking is done. This scope item supports planned and automatic replenishment of fixed storage bins. The planned replenishment can be started either interactively or as a regular application background job. In contrast, with automatic replenishment, the system starts replenishment when a warehouse task is confirmed. The system creates replenishment warehouse tasks if the current stock is below the defined threshold for the product's fixed bin. The replenishment quantity is calculated as the difference between the maximum and the current bin quantity. At the end of the process, the warehouse operative confirms the warehouse tasks and makes sure that the stock is moved from the reserve to the picking area.

This document provides a detailed procedure for testing this scope item after solution activation, reflecting the predefined scope of the solution. Each process step, report, or item is covered in its own section, providing the system interactions (test steps) in a table view. Steps that are not in scope of the process but are needed for testing are marked accordingly. Project-specific steps must be added.

> Note Values in this test script (decimal notation, date formats, and so on) are presented in U.S. standard notation. If your test system is set up to use a different notation, enter values as appropriate.

2 Prerequisites

This section summarizes all the prerequisites for conducting the test in terms of systems, users, master data, organizational data, other test data and business conditions.

2.1 System Access

System	Details
System	Accessible via SAP Fiori launchpad. Your system administrator provides you with the URL to access the various apps assigned to your role.

2.2 Roles

Create business roles using the following business role templates delivered by SAP and assign them to your individual test users.

Alternatively, if available, you can use the following spaces delivered by SAP. You create a space with pages containing predefined essential apps and assign it to the business role. You then assign this business role to your individual users.

For more information, refer to *How to Create a Business Role from a Template* in the product assistance for SAP S/4HANA Cloud Public Edition.

Name (Role Template)	ID (Role Template)	Name (Launchpad Space)	ID (Launchpad Space)	Log On
Warehouse Clerk (EWM)	SAP_BR_WAREHOUSE_CLERK_EWM	Warehouse Office	SAP_BR_WAREHOUSE_CLERK_EWM	
Warehouse Operative (EWM)	SAP_BR_WAREHOUSE_OPERATIVE_EWM	Warehouse Floor	SAP_BR_WAREHOUSE_OPERATIVE_EWM	

2.3 Master Data, Organizational Data, and Other Data

The organizational structure and master data of your company have been created in your system during activation. The organizational structure reflects the structure of your company. The master data represents materials, customers, and suppliers, for example, depending on the operational focus of your company.

Use your own master data or the following sample data to go through the test procedure.

Data	Sample Value	Details	Comments
Material	TG0012	Trad. Good 0012,Reord. Pt.,Regular Proc.	
Plant	2910		
Storage Location	295W		

Organizational Master Data in Warehouse:

Data	Sample Value	Details	Comments
Warehouse	2950		
Custodian	29412910		
Entitled to Dispose	29412910		

Warehouse-Specific Master Data:

Data	Sample Value	Details	Comments
Storage Type	SF01	Fixed Bin Storage	
Storage Type	SG01	General Storage	

You can find general information on how to create master data objects in the following Master Data Scripts (MDS) :

Master Data ID	Description
BNF	Create Product Master of Type "Trading Good"
3KQ	Create Warehouse Attributes for Material/Product Master
3KR	Create Warehouse Storage Bins and Fixed Bin Assignments

2.4 Business Conditions

Before you can test this scope item, the following business conditions must be met.

Scope Item ID	Business Condition
BNZ - Create New Open MM Posting Period	You've completed the procedure described in the Create New Open MM Posting Period master data script. The posting period is up to date.
3BR - Warehouse Inbound Processing or 2Q2 - Data Migration to SAP S/4HANA from Staging	You've completed the procedure in the Warehouse Inbound Processing test script or in the Data Migration to SAP S/4HANA from Staging test script. Make sure you to have at least stock of **1 PAL** or **48 PC** for **TG0012** in storage type **SG01**.

2.5   Preliminary Steps

2.5.1   Define Default Values for Warehouse Clerk (EWM)

Purpose

In this step, you define the default warehouse number for the Warehouse Clerk (EWM).

Test Step #	Test Step Name	Instruction	Expected Result	Pass / Fail / Comment
1	Log On	Log on to the SAP Fiori Launchpad as a Warehouse Clerk (EWM).		
2	Access App	Open Change Inbound Deliveries - Deliveries		
3	Choose Avatar	Choose your avatar. Then, choose Settings.		
4	Enter Default Value	Choose Default Values. Enter the following data: Warehouse No.: **2950** Choose Save.		

2.5.2   Define Default Values for Warehouse Operative (EWM)

Purpose

In this step, you define the default warehouse number for the Warehouse Operative (EWM).

Procedure

Test Step #	Test Step Name	Instruction	Expected Result	Pass / Fail / Comment
1	Log On	Log on to the SAP Fiori Launchpad as a Warehouse Operative (EWM) .		
2	Choose Avatar	Choose your avatar. Then, choose Settings.		
3	Enter Default Value	Choose Default Values. In the Material Management section, enter the following data: Warehouse No.: **2950**. Choose Save.		

2.5.3   Assign Fixed Bin

Purpose

In this step, you assign fixed storage bins to products.

Procedure

Test Step #	Test Step Name	Instruction	Expected Result	Pass / Fail / Comment
1	Log On	Log on to the SAP Fiori Launchpad as a Warehouse Clerk (EWM).		
2	Access App	Open Assign Fixed Bins		
3	Enter Data	On the Assign Fixed Storage Bin screen, enter the following data: Warehouse Number:**2950** Product: **TG0012** Choose Run.		
4	Maintain Fixed Bin	Choose Edit to switch to change mode. Choose Create. Make the following entries: Warehouse Number: **2950** Party Entitled to Dispose: **29412910** Storage Bin: **SF01-03-03** Product: **TG0012** Max.Qty: **100** DisplayUoM Max. Qty: **PC** Min.Qty: **4** DisplayUoM Min. Qty: **PC** Choose Save. Note If for storage type SF01, the replenishment level is set as Storage Bin Level for Fixed Bins by default, the stock levels are read for the invidual fixed bins. The replenishment quantites are calculated based on the stocks available in the bin compared to the required quantities.		

3   Overview Table

This scope item consists of several process steps provided in the table below.

> Note If your system administrator has enabled spaces and pages on the SAP Fiori launchpad, the homepage will only contain the essential apps for performing the typical tasks of a business role.
>
> You can find all other (searchable) apps not included on the homepage using the search bar (2434549).
>
> If you want to personalize the homepage and include the hidden apps, navigate to your user profile and choose App Finder.

Process Step	Business Role	App/Transaction	Expected Results
Replenish Stock [page] 9	Warehouse Clerk (EWM)	Replenish Stock (/SCWM/REPL)	
Schedule Job for Replenishment [page] 10	Warehouse Clerk (EWM)	Schedule Replenishment (F4319)	
Check Replenishment Warehouse Tasks (Optional) [page] 12	Warehouse Clerk (EWM)	Warehouse Monitor (/SCWM/MON)	
Confirm Replenishment Warehouse Tasks [page] 13	Warehouse Operative (EWM)	Process Warehouse Tasks (F4595)	

4 Test Procedures

4.1 Replenish Stock

Test Administration

Customer project: Fill in the project-specific parts.

Test Case ID	<X.XX>	Testing Date:	
Tester Name:		Duration:	
Business Role(s):		Responsibility:	**<State the Service Provider, Customer or Joint Service Provider and Customer>**

Purpose

You can run through the following steps to perform a Planned Replenishment to create replenishment task(s).

In a real-life environment, you can schedule the Planned Replenishment Run as a regular background job.

Procedure

Test Step #	Test Step Name	Instruction	Expected Result	Pass / Fail / Comment
1	Log on	Open the SAP Fiori launchpad with theWarehouse Clerk (EWM) role.	The SAP Fiori launchpad is displayed.	
2	Access the App	Open Replenish Stock (/SCWM/REPL).		
3	Schedule Replen-ishment	On the Schedule Replenishment screen, make the following entries: Plnd Rplnshmt: **X**. Warehouse Number: **2950**.		

Test Step #	Test Step Name	Instruction	Expected Result	Pass / Fail / Comment
		Party Entitled to Dispose: **29412910**. Product: **TG0012**. Show Log Immediately: **X** . Choose Execute.		
4	Perform Replen-ishment	On the Select Replenishment Items screen, check the proposed quantity to be replenished. Select the line item to be processed. Choose Perform Replenishment Note If the stock of **TG0012** is not below the Min.Qty **(4 PC)** in the fixed storage bin, there is no replenishment proposal. The replenishment quantity is calculated as the difference between the maximum bin quantity and the current bin quantity, and then it is rounded to a multiple of the minimum replenishment quantity. You can maintain the minimum replenishment quantity in the product master via the Manage Product Master Data **(F1602)** app. See the details in the master data script Create Warehouse Attributes for Material/Product Master . If no minimum replenishment quantity is maintained in the product master, the system rounds the quantity with the basic Unit of Measure of the product.		

4.2 Schedule Job for Replenishment

Test Administration

Customer project: Fill in the project-specific parts.

Test Case ID	<X.XX>	Testing Date:	
Tester Name:		Duration:	
Business Role(s):		Responsibility:	**<State the Service Provider, Customer or Joint Service Provider and Customer>**

Purpose

This process step shows you how to run job for warehouse replenishment.

Procedure

Test Step #	Test Step Name	Instruction	Expected Result	Pass / Fail / Comment
1	Log On	Log on to the SAP Fiori Launchpad as a Warehouse Clerk (EWM).	The SAP Fiori launchpad displays.	
2	Access the App	Open Schedule Replenishment (F4319).		
3	Enter Basic Parameters for New Job	Choose Create above the table. On the New Job screen, make the following entries: Job Template: **Schedule Replenishment**. Job Name: **Schedule Replenishment for TG0012** Choose Step 2.		
4	Enter Scheduling Parameters for New Job	Choose Define Recurrence Pattern. On the Scheduling Information screen, make the following entries: Start Immediately: **x**. Recurrence Pattern: **Single Run**. Choose OK. Choose Step 3.		
5	Enter Parameters	Parameters: Plnd Rplnshmnt: **x** Warehouse Number:**2950** Party Entitled to Dispose:**29412910** Product:**TG0012** Execute in the Background:**x** Show Log Immediately:**x**		
6	Schedule New Job	On the New Job screen, choose Schedule.	The new job is created and displays in the table of Application Jobs.	
7	Refresh Application Jobs List	To check the status of the job you created, choose Go.	The Application Jobs table is refreshed.	
8	Verify the Job Results	To see the outcome of the job, choose the icon in Results column.		

4.3 Check Replenishment Warehouse Tasks (Optional)

Test Administration

Customer project: Fill in the project-specific parts.

Test Case ID	<X.XX>	Testing Date:	
Tester Name:		Duration:	
Business Role(s):		Responsibility:	**<State the Service Provider, Customer or Joint Service Provider and Customer>**

Purpose

This step is for checking warehouse task from replenishment.

Procedure

Test Step #	Test Step Name	Instruction	Expected Result	Pass / Fail / Comment
1.	Log on to SAP Fiori Launchpad	Open the SAP Fiori Launchpad as a Warehouse Clerk (EWM).	The SAP Fiori launchpad is displayed.	
2.	Access the App	Open Warehouse Monitor (/SCWM/MON)		
3.	Select the node	On the Warehouse Management Monitor SAP - Warehouse Number xxxx screen, choose Documents > Warehouse Task . Double-click on the node.		
4.	Enter the selection data	Make the following entries: Whse Process Type: S310 Product: TG0012. Choose Execute. Note down the warehouse task number.	The warehouse task for replenishment is displayed.	

4.4 Confirm Replenishment Warehouse Tasks

4.4.1 Variant 1: With Fiori App

Test Administration

Customer project: Fill in the project-specific parts.

Test Case ID	<X.XX>	Testing Date:	
Tester Name:		Duration:	
Business Role(s):		Responsibility:	**<State the Service Provider, Customer or Joint Service Provider and Customer>**

Purpose

The Warehouse Operative (EWM) processes the replenishment warehouse task.

Procedure

Test Step #	Test Step Name	Instruction	Expected Result	Pass / Fail / Comment
1	Log On	Log on to the SAP Fiori Launchpad as a Warehouse Operative (EWM).	The SAP Fiori launchpad is displayed.	
2	Access App	Open Process Warehouse Tasks `(F4595)`.		
3	Enter Warehouse Task Number	On the Process Warehouse Tasks screen, make the following entries: Warehouse Task **<WT number noted down in the previous step>**. Choose Go.		
4	Confirm Warehouse Task	Mark the checkbox for the selected warehouse task and choose Confirm.	The following system message appears: `Warehouse task confirmed`	

4.4.2　Variant 2: With Radio Frequency Devices

Test Administration

Customer project: Fill in the project-specific parts.

Test Case ID	<X.XX>	Testing Date:	
Tester Name:		Duration:	
Business Role(s):		Responsibility:	<State the Service Provider, Customer or Joint Service Provider and Customer>

Purpose

The Warehouse Operative (EWM) performs the replenishment warehouse tasks and confirms them in the system with mobile Radio Frequency device.

Note For Working with Mobile RF Devices, make sure all the steps as described in the Setup Instruction guide for scope item 63V - Mobile RF Devices in Warehousing have been performed.

Procedure

Test Step #	Test Step Name	Instruction	Expected Result	Pass / Fail / Comment
1.	Log on to the SAP Fiori launchpad	Log on to the SAP Fiori launchpad as a Warehouse Operative (EWM).	The SAP Fiori Launchpad is displayed.	
2.	Access the SAP Fiori app	Open the SAP Fiori app Test RF Environment (/SCWM/RFUI) Note Here the App allows you to test working in an RF environment. For working with Mobile RF Devices, see also SAP Note 3048632.		
3	Enter Data for RFUI	Whse No: **2950** Resource: **SHR1-1** DefPresDvc: **SE01** Choose Enter.		

Test Step #	Test Step Name	Instruction	Expected Result	Pass / Fail / Comment
4	Choose Menu	Choose 01 System-Guided > 02 SystemGuided Queue .		
5	Enter Queue Name	In the Queue field, enter for example **SR-G01-F01**. Choose Enter		
6	Create Picking HU	Make the following entries: Pack.Mat: **PMPALLET** Choose Handling. The picking HU is created.		
7	Choose Next	Scroll the screen to right with > and choose Next.		
8	Enter or Verify the Source Information fields	Enter or verify the following fields if they are required: Src.Bin (Source Bin) SrceHU (Source HU) Prod. (Product) ActQty (Quantity) Choose Enter		
9	Verify the Destination information fields	Verify the following fields: DstBin **(Destination Bin)** Choose Enter.		
10	Repeat Steps	Repeat steps 6 to 9 until no suitable warehouse orders are found.		
11	Logoff RFUI	You can choose Back to the previous screens. Choose Logoff. Choose Save.		

Typographic Conventions

Type Style	Description
Example	Words or characters quoted from the screen. These include field names, screen titles, pushbuttons labels, menu names, menu paths, and menu options.
	Textual cross-references to other documents.
Example	Emphasized words or expressions.
EXAMPLE	Technical names of system objects. These include report names, program names, transaction codes, table names, and key concepts of a programming language when they are surrounded by body text, for example, SELECT and INCLUDE.
Example	Output on the screen. This includes file and directory names and their paths, messages, names of variables and parameters, source text, and names of installation, upgrade and database tools.
Example	Exact user entry. These are words or characters that you enter in the system exactly as they appear in the documentation.
\<Example\>	Variable user entry. Angle brackets indicate that you replace these words and characters with appropriate entries to make entries in the system.
EXAMPLE	Keys on the keyboard, for example, F2 or ENTER.

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