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| Test Script  SAP S/4HANA - 17-09-20 | public |
| Initial Stock Upload for Warehouse (1FU\_DE) |

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# Purpose

You can use this process to initially provide stock to bins of the different final storage types provided with the warehouse. It gives a good example how stock upload can be done, and is also a simple and quick way to set the stage for testing.

The stock data for the upload is provided via different sheets containing products and storage types. The upload creates handling units using an internal HU numbering in-stead of assigning Standard Shipping Container Codes (SSCC) as would be done in the basic inbound process. The upload always populates bins listed at the end of a storage type to avoid possible overlaps with bins occupied by standard processes.

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.

# 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.

## 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. |

## Roles

Assign the following business roles to your individual test users. Alternatively, if available, you can create business roles using the following spaces with pages and predefined apps for the SAP Fiori launchpad and assign the business roles to your individual test users.

Note These roles or spaces are examples provided by SAP. You can use them as templates to create your own roles or spaces.

For more information about business roles, refer to Assigning business roles to a user in the [Administration Guide to Implementation of SAP S/4HANA with SAP Best Practices](https://help.sap.com/viewer/S4HANA2020_AdminGuide) .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name (Role) | ID (Role) | Description (Space) | ID (Space) | Log On |
| Warehouse Clerk (EWM) | SAP\_BR\_WAREHOUSE\_CLERK\_EWM | Warehouse Office | SAP\_BR\_WAREHOUSE\_CLERK\_EWM |  |
| Inventory Manager | SAP\_BR\_INVENTORY\_MANAGER | Inventory Management | SAP\_BR\_INVENTORY\_MANAGER |  |

## Master Data, Organizational Data, and Other Data

Default Values

The organizational structure and master data of your warehouse are available.

Operational Focus

Note Additional Default Values

You can test the scope item with other SAP Best Practices default values that have the same characteristics.

Check your SAP S/4HANA system to discover what other material master data exists.

Note Using Your Own Master Data

You can also use customized values for any material or organizational data for which you have created master data. For more information on how to create master data, see the Master Data Procedures documentation.

Use the following master data in the process steps described in this document:

Material Master Data

|  |  |  |  |
| --- | --- | --- | --- |
| Data | Sample Value | Details | Comments |
| Product number | EWMS4-01 | Small Part, Slow-Moving Item |  |
| Product number | EWMS4-02 | Small Part, Fast-Moving Item |  |
| Product number | EWMS4-10 | Large Part, Slow-Moving Item |  |
| Product number | EWMS4-11 | Large Part, Fast-Moving Item |  |
| Product number | EWMS4-40 | Product for Bulk Storage A, Short Lane |  |
| Product number | EWMS4-41 | Product for Bulk Storage A, Long Lane |  |
| Product number | EWMS4-42 | Product for Bulk Storage B |  |

Packaging Material Master Data

|  |  |  |  |
| --- | --- | --- | --- |
| Data | Sample Value | Details | Comments |
| Packaging Material | EWMS4-PALISU | EWM Pallet Initial Stock Upload (no SSCC#) | Internal Number Range used |

For more information on creating the previous material master data objects, see the following configuration guides:

|  |  |
| --- | --- |
| Configuration Guide for Material Master Creation | Description |
| BL5 | Material, Sample Master Data for EWM |
| BL9 | Material Related Sample Master Data for EWM (Local)  Section Material Master |

Warehouse - specific Organizational Master Data

|  |  |  |  |
| --- | --- | --- | --- |
| Data | Sample Value | Details | Comments |
| Supply Chain Unit | YWAREHOUSE-1010 |  |  |
| EWM Warehouse Number | 1010 |  |  |
| Custodian | BP1010 |  |  |
| Entitled to Dispose | BP1010 |  |  |
| Goods Receipt Office | YWAREHOUSE-1010 |  |  |

Warehouse-specific Master Data

|  |  |  |  |
| --- | --- | --- | --- |
| Data | Sample Value | Details | Comments |
| Storage Type | Y021 | Mezzanine |  |
| Storage Type | Y011 | Narrow Aisle High Rack Pallet Buffer |  |
| Storage Type | Y051 | Narrow Aisle High Rack Picking Area (Large Parts) |  |
| Storage Type | Y041 | Bulk Storage A (Partial Pallets Allowed) |  |
| Storage Type | Y042 | Bulk Storage B (No Partial Pallets) |  |
| Storage Type | Y052 | Picking Area for Bulk B (Fixed Bin) |  |

## Business Conditions

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

|  |  |
| --- | --- |
| Scope Item | Business Condition |
| BNZ - Create New Open MM Posting Period | You have completed the step described in the master data script. Posting Period is up to date. |

## Preliminary Steps

### Data Files for Initial Stock Upload

The different .csv data files referred to in the following sections of this process are available as attachments to the SAP Note [2483936](https://launchpad.support.sap.com/#/notes/2483936) of the solution package.

Attached to the SAP Note are the following .zip files:

* Initial\_Stock\_Upload\_Data\_DE.zip

The zip file contain all necessary data to populate stock for the example products.

To provide full pallets only into the NA High Rack Pallet Buffer (StType Y011), you apply the following .csv file:

* isu\_Y011.csv

To provide stocks into the Mezzanine (StType Y021) and NA High Rack Picking (StType Y051) , you apply the following .csv file:

* isu\_Y021\_51.csv

To provide stocks into Bulk Storage (Y041), Bulk Storage Full Pallet (Y042) and Bulk Storage Picking (Y052) , you apply the following .csv file:

● Isu\_Y041\_Y042\_Y052.csv

Note The data files use bins (separated by Fast Movers/Slow Movers section) that are at the very end of the standard bin sorting.

The provided handling unit (HU) IDs for pallets are external numbers (for example, ISU10-HU01) that indicate that these HUs do come from an initial stock upload.

The HUs created by the initial stock upload (ISU10-HU##) use a specific packaging material, EWMS4-PALISU, which does not use SSCC numbering but allows for external alphanumeric IDs (in our example: ISU10-HU##).

### Adopt Business Partner ID in .csv files when deviating from Default Business Partner Number

The sample .csv files provided for you to use when uploading the stock data contain a default ID,

BP1010

This ID is for the business partner (representing the plant) which is used in its roles as Owner and Party Entitled to Dispose.

If you change the default ID, for example, because your plant has a different ID and/or you used a different prefix, other than

BP1010,

you update that value for the business partner in all .csv files. Otherwise, the upload transaction fails, indicating that the business partner does not exist.

You must find and replace the business partner ID, BP1010. with your actual ID in all of the provided files.

### Adopt HU Number in .csv files for countries other than DE and US

The sample .csv files provided for you to use when uploading the stock data contain HU number e.g., ISUXX-HU33. The two digits XX after ISU need to be adjusted per country code. Refer to the company code or plant you use, the first two digits represent the country code.

### Stock Overview after Initial Stock Upload

Purpose

The following paragraphs describe how you fill the warehouse’s Narrow Aisle Storage ,Mezzanine and Bulk Storage with stock using the example products, to start outbound processing or doing replenishment without an explicit need to go through the corresponding inbound processing. When you apply the example data provided in the isu\_Y011.csv ,isu\_Y021\_51.csv files and Isu\_Y041\_Y042\_Y052.csv (comma-separated values) to an empty storage, you will end up with the following stock situation for the products:

Table 1: EWMS4-01 (Small Part, Slow Mover)

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Storage Type | HU# | Storage Bin | Qty (BUoM) | Qty (AUoM) | csv File | Comment |
| Y011 | ISU10-HU01 | 011.02.29.05 | 48 PC | 8 CAR | isu\_Y011 | 1 full pallet |
| ISU10-HU02 | 011.02.29.06 | 48 PC | 8 CAR | isu\_Y011 | 1 full pallet |
| ISU10-HU03 | 011.02.30.06 | 48 PC | 8 CAR | isu\_Y011 | 1 full pallet |
| Y012 |  | 021.10.20.01 | 12 PC | 2 CAR | isu\_Y021\_51 | bin full |
|  | 021.10.20.02 | 12 PC | 2 CAR | isu\_Y021\_51 | bin full |
|  | 021.10.20.03 | 12 PC | 2 CAR | isu\_Y021\_51 | bin full |

Table 2: EWMS4-02 (Small Part, Fast Mover)

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Storage Type | HU# | Storage Bin | Qty (BUoM) | Qty (AUoM) | csv File | Comment |
| Y011 | ISU10-HU04 | 011.02.29.04 | 192 PC | 24 CAR | isu\_Y011 | 1 full pallet |
| ISU10-HU05 | 011.02.30.03 | 192 PC | 24 CAR | isu\_Y011 | 1 full pallet |
| ISU10-HU06 | 011.02.30.04 | 192 PC | 24 CAR | isu\_Y011 | 1 full pallet |
| Y021 |  | 021.10.14.01 | 32 PC | 4 CAR | isu\_Y021\_51 | bin full |
|  | 021.10.14.02 | 32 PC | 4 CAR | isu\_Y021\_51 | bin full |
|  | 021.10.14.03 | 32 PC | 4 CAR | isu\_Y021\_51 | bin full |

Table 3: EWMS4-10 (Large Part, Slow Mover)

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Storage Type | HU# | Storage Bin | Qty (BUoM) | Qty (AUoM) | csv File | Comment |
| Y011 | ISU10-HU07 | 011.02.28.06 | 4 PC |  | isu\_Y011 | 1 full pallet |
| ISU10-HU08 | 011.02.27.06 | 4 PC |  | isu\_Y011 | 1 full pallet |
| ISU10-HU09 | 011.02.26.06 | 4 PC |  | isu\_Y011 | 1 full pallet |
| Y051 | ISU10-HU10 | 051.02.30.02 | 4 PC |  | isu\_Y021\_51 | 1 full pallet |
| ISU10-HU11 | 051.02.30.01 | 4 PC |  | isu\_Y021\_51 | 1 full pallet |
| ISU10-HU12 | 051.02.29.02 | 2 PC |  | isu\_Y021\_51 | broken pallet |

Table 4: EWMS4-11 (Small Part, Fast Mover)

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Storage Type | HU# | Storage Bin | Qty (BUoM) | Qty (AUoM) | csv File | Comment |
| Y011 | ISU10-HU13 | 011.02.30.04 | 6 PC |  | isu\_Y011 | 1 full pallet |
| ISU10-HU14 | 011.02.30.03 | 6 PC |  | isu\_Y011 | 1 full pallet |
| ISU10-HU15 | 011.02.29.04 | 6 PC |  | isu\_Y011 | 1 full pallet |
| Y051 | ISU10-HU16 | 051.02.16.02 | 6 PC |  | isu\_Y021\_51 | 1 full pallet |
| ISU10-HU17 | 051.02.16.01 | 6 PC |  | isu\_Y021\_51 | 1 full pallet |
| ISU10-HU18 | 051.02.15.02 | 3 PC |  | isu\_Y021\_51 | broken pallet |

Table 5: EWMS4-40 (Product for Bulk Storage A, Short Lane)

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Storage Type | HU# | Storage Bin | Qty (BUoM) | Qty (AUoM) | csv File | Comment |
| Y041 | ISU10-HU33 | 041.08 | 360 PC | 36 CAR | isu\_Y041\_Y042\_Y052.csv | 1 full pallet |
| Y041 | ISU10-HU34 | 041.08 | 360 PC | 36 CAR | isu\_Y041\_Y042\_Y052.csv | 1 full pallet |

Table 6: EWMS4-41 (Product for Bulk Storage A, Long Lane)

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Storage Type | HU# | Storage Bin | Qty (BUoM) | Qty (AUoM) | csv File | Comment |
| Y041 | ISU10-HU35 | 041.12 | 480 PC | 48 CAR | isu\_Y041\_Y042\_Y052.csv | 1 full pallet |
| ISU10-HU36 | 041.12 | 480 PC | 48 CAR | isu\_Y041\_Y042\_Y052.csv | 1 full pallet |

Table 7: EWMS4-42 (Product for Bulk Storage B)

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Storage Type | HU# | Storage Bin | Qty (BUoM) | Qty (AUoM) | csv File | Comment |
| Y042 | ISU10-HU37 | 042.08 | 6 PC |  | isu\_Y041\_Y042\_Y052.csv | 1 full pallet |
| ISU10-HU38 | 042.08 | 6 PC |  | isu\_Y041\_Y042\_Y052.csv | 1 full pallet |
| Y052 |  | 052.08 | 6 PC |  | isu\_Y041\_Y042\_Y052.csv |  |

Note To explicitly test the replenishment process, you must only do the initial stock upload into storage type Y011 (that is, only apply the isu\_Y011.csv file). By limiting the upload into the Narrow Aisle Pallet Buffer to pallets/HU, you then have the option to run through the replenishment processing for the Mezzanine and the Nar-row Aisle’s picking area as described in the corresponding process description.

# Overview Table

The scope item Initial Stock Upload for Warehouse consists of several process steps provided in the table below.

|  |  |  |  |
| --- | --- | --- | --- |
| Process Step | Business Role | APP | Expected Results |
| [Upload Initial Stock](#unique_12) [page ] 11 | Warehouse Clerk (EWM) | Upload Stock (/SCWM/ISU) | Stocks to the different storage types are created with help of example data. (.csv) |
| [Check Material Documents (Optional)](#unique_13) [page ] 13 | Inventory Manager | Material Documents Overview (F1077) | Material document along with its financial posting is posted in the SAP S/4HANA system. |

# Test Procedures

This section describes test procedures for each process step that belongs to this scope item.

## Upload Initial Stock

Test Administration

Customer project: Fill in the project-specific parts.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Test Case ID | <X.XX> | Tester Name |  | Testing Date | Enter a test date. |
| Business Role(s) |  | | | | |
| Responsibility | <State the Service Provider, Customer or Joint Service Provider and Customer> | | | Duration | Enter a duration. |

Purpose

In this process step you upload the initial stock.

Procedure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1. | Log on | Open the SAP Fiori launchpad with the Warehouse Clerk (EWM) role. | The SAP Fiori launchpad is displayed. |  |
| 2. | Access the App | Choose Home on top of the screen to open All My Apps list.  In the App list, choose EWM - Data Exchange and then choose Upload Stock (/SCWM/ISU). |  |  |
| 3. | Enter the Data | In the Stock Data Transfer screen, ensure the following fields are complete:  Warehouse Number: 1010  Language: EN  Number of HUs per posting: 50  Do not Post Data in ERP:  Local File: X  Display Data:X |  |  |
| 4. | Upload the File for Initial Stock Upload | Choose Open Folder.  Choose Import.  Locate the\*.csv files on your computer.  isu\_Y011.csv  and / or  isu\_Y021\_51.csv  and / or isu\_Y041\_Y042\_Y052.csv  Choose Open.  The system displays the path and file name of the selected .csv file.  On the Stock Data Transfer screen, choose Upload.  Choose OK. | On the Stock Data Transfer screen, the uploaded rows from the .csv file are displayed. |  |
| 5. | Upload the Initial Stock | Choose Start Stock Data transfer (F8).  Record the number of the warehouse material document for later use.  Note The warehouse material document is a specific warehouse material document.  This document is NOT the SAP S/4HANA material document ID. | The message Warehouse Material Document ########## is displayed in the lower part of the screen. |  |

## Check Material Documents (Optional)

Test Administration

Customer project: Fill in the project-specific parts.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Test Case ID | <X.XX> | Tester Name |  | Testing Date | Enter a test date. |
| Business Role(s) |  | | | | |
| Responsibility | <State the Service Provider, Customer or Joint Service Provider and Customer> | | | Duration | Enter a duration. |

Purpose

Along with populating the warehouse with stock and HUs, there is also a financial posting in the SAP S/4HANA system. The movement type used for this is 561 which is the standard movement type for initial stock upload during a cutover before going live with an SAP S/4HANA materials management.

The check step is to show you the material document along with its financial posting in the SAP S/4HANA system.

Procedure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Pass / Fail / Comment |
| 1. | Log on | Open the SAP Fiori launchpad with the Inventory Manager role. | The SAP Fiori launchpad is displayed. |  |
| 2. | Access the App | Choose Material Documents Overview (F1077). |  |  |
| 3. | Change Settings | In section Material Documents, choose Settings on the right hand side.  Select the column for Goods Movement Type.  Choose OK. |  |  |
| 4. | Enter Selection Data | On top of the screen, make the following entries:  Stock Change: STOCK INCREASE  Stock Change Level: Plant  Plant: 1010  Storage Location: 101S  Material: EWMS4-01  EWMS4-02  EWMS4-10  EWMS4-11  EWMS4-40  EWMS4-41  EWMS4-42  Posting Date: The date when you uploaded initial stock into the warehouse.  Locate the Material field and select Multiple Selection (the button situated on the right side of the Material field).  In Search field, enter EWMS4 and choose Go. Scroll down the screen and in the section Items, you find materials:  EWMS4-01  EWMS4-02  EWMS4-10  EWMS4-11  EWMS4-40  EWMS4-41  EWMS4-42  Select them all.  Choose OK. |  |  |
| 5. | Check the Material Document | Choose Go.  Material documents are listed.  Note down the number of the Material Document with movement type 561.  Choose S/4HANA Material Document.  Check the Delivery Note Field (located on the GENERAL INFORMATION tab).  The Delivery Note represents the reference Warehouse Material Document from the previous step. |  |  |

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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