



Set-Up Instructions | PUBLIC

SAP S/4HANA Cloud Public Edition

2025-03-06

Setting Up *SAP EWM Integration - Batch Management* (2VN)

Content

1	Purpose.	5
2	Preparation.	6
2.1	Required Information.	6
2.2	Prerequisites.	6
2.3	Add Characteristic LOBM_LICHA Vendor Batch Number to Batch Class YB_BATCH (Optional).	7
3	Configuration before Integration.	9
3.1	Create an RFC User.	9
3.2	Define Logical System for SAP EWM and SAP S/4HANA Cloud Public Edition.	11
3.3	Assign Logical System to Client.	12
3.4	Configure an RFC Destination in the calling SAP EWM System.	13
3.5	Determine RFC Destinations for Method Calls.	14
3.6	Define Own Business System.	15
3.7	Define Business System.	16
3.8	Maintain Business System Group.	17
3.9	Assign Logical System and Queue Type.	18
3.10	Control for RFC Queue.	19
3.11	qRFC Monitor (QOUT Scheduler).	20
3.12	qRFC Monitor (QIN Scheduler).	21
3.13	qRFC Administration - Register Display Program.	22
3.14	Set Control Parameters for SAP S/4HANA Cloud Public Edition Version Control.	23
3.15	Create the Location for the Corresponding Plant of the SAP S/4HANA Cloud Public Edition System in the SAP EWM System.	24
3.16	Maintain Supply Chain Unit for Warehouse.	25
3.17	Define Warehouse Numbers.	27
3.18	Define Warehouse Number Control (Part 1).	28
3.19	Map Warehouse Numbers from S/4HANA Cloud System to EWM.	30
3.20	Define Number Range for Business Partner.	32
3.21	Define Groupings and Assign Number Ranges for Business Partner.	33
3.22	Define Number Range Intervals for Outbound Deliveries.	34
3.23	Define No. Range Intervals for Inbound Deliveries and Outbound Del. Orders.	35
3.24	Define No. Range Intervals for Posting Changes and Stock Transfers.	35
3.25	Define Number Range Intervals for Expected Goods Receipt.	36
3.26	Define Number Ranges for SAP S/4HANA Cloud Public Edition Documents.	37
3.27	Check Units of Measurement.	39
3.28	Define Regions.	40

3.29	Define Quantity Classifications.	41
3.30	Define Unit of Measure Attributes.	42
3.31	Check: Determine Stock Types.	44
3.32	Configure Availability Group for Putaway.	45
3.33	Map Storage Locations from S/4HANA Cloud System to EWM.	47
3.34	Define HU Types.	48
3.35	Define Packaging Material Types.	49
3.36	Maintain Transportation Group.	51
3.37	Activate Application Log (Optional).	52
3.38	Define Number Ranges.	53
3.39	Define Number Range for Packaging Specification.	56
3.40	Map Document Types from S/4HANA Cloud System to EWM.	57
3.41	Map Items Types from S/4HANA Cloud System to EWM.	58
3.42	Define Item Types for Inbound Delivery Process.	59
4	Communication Arrangement.	61
4.1	Create Technical Communication User.	61
4.2	Create Communication System.	62
4.3	Create Communication Arrangement - Logistics - Extended Warehouse Management Integration.	63
5	Assign User to the RFC Destination in the calling SAP EWM System.	64
6	Data Replication Framework.	65
6.1	Define Filter Criteria - Logistics - Extended Warehouse Management Integration.	65
6.2	Replicate by Replication Model.	70
7	Configuration after Integration.	72
7.1	Mandatory Settings.	72
	Change Identification Categories.	72
	Maintain Business Partner for Plant.	73
	Assign Warehouse Numbers.	75
7.2	Optional Settings.	76
	Warehouse Structure.	76
	Settings for Warehouse Processes.	100
	Advanced Settings for Warehouse Processes.	118
	Packaging and HU Management.	159
	Master Data.	161
	Batch Management Specific Settings in SAP EWM.	165
	Customer Returns Specific Configuration.	168
	Delivery-Based Production Integration.	174
	Stock Transfer Order Specific Configuration.	192
8	Interaction with the SAP Cloud Service Center.	208

9 Configuration User Interfaces. 209

9.1 Batch Number Ranges. 209

10 Appendix. 212

10.1 Ticket Component. 212

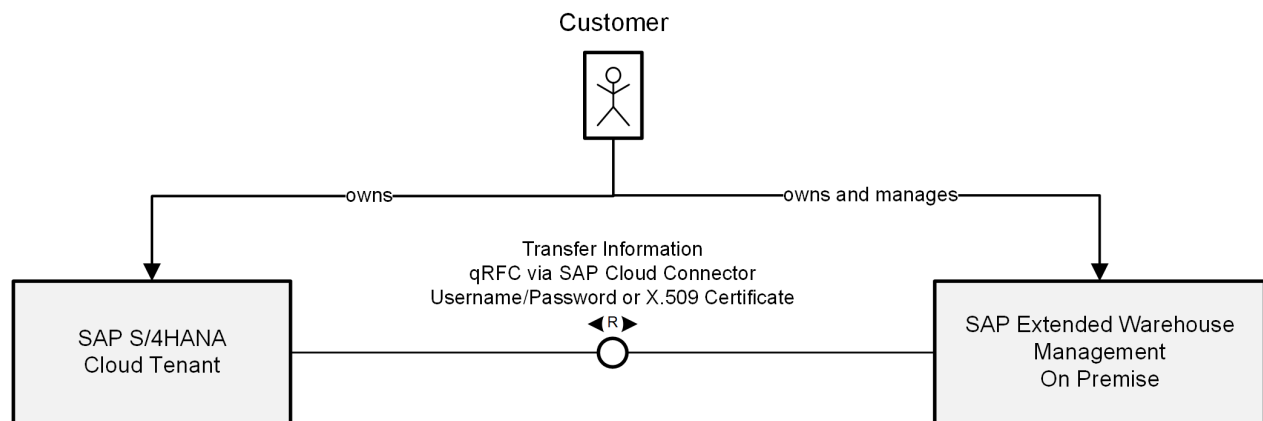
10.2 Message Monitoring and Troubleshooting using Application Interface Framework. 212

10.3 Adapt the Initial Stock Upload Template. 213

1 Purpose

This document describes additional configuration steps that have to be carried out by customers in order to activate the SAP EWM Integration. As these configuration steps are customer-specific, they cannot be delivered by SAP, and must be carried out by the customer.

The following figure provides you with an overview of the systems and their connection within SAP EWM Integration.



📘 Note

The settings in this document are relevant for the Best Practice processes which are part of the SAP EWM Integration. If you set up other processes out of the SAP Best Practices scope, you should set up your EWM system according to your needs.

2 Preparation

2.1 Required Information

During the course of the activities described in this guide, you are required to enter or provide system-specific information. To ensure a smooth and efficient integration to SAP S/4HANA Cloud Public Edition, we recommend that you have the information listed in the table below at hand prior to starting the integration process.

System	Details
SAP S/4HANA Cloud Public Edition system	SAP S/4HANA Cloud Public Edition 2102
SAP Extended Warehouse Management system	SAP Extended Warehouse Management 9.5 FP02 or higher

2.2 Prerequisites

Before implementing the communication arrangement for SAP_COM_0247, the SAP Cloud Connector (integration scenario SAP_COM_0200 (SAP Cloud Connector Integration)) needs to be configured:

📘 Note

As of 2208 CE, existing customers that are currently using the Integration Scenario SAP_COM_0200 can continue to use it. It is also possible to migrate to the Integration Scenario SAP_COM_0574.

For more information on the setup of the Integration Scenario SAP_COM_0574, please see information below.

Setting Up Integration with On-Premise Systems (including SAP S/4HANA Cloud Private Edition)

For all scenarios integrating SAP S/4HANA Cloud Public Edition with SAP On-Premise scenarios, the *SAP_COM_0574 - SAP BTP Connectivity Service - On Premise Integration* communication arrangement must be activated. This is a prerequisite for all other communication arrangements.

To check if the *SAP_COM_0574 - SAP BTP Connectivity Service - On Premise Integration* communication arrangement is active in your system, go to the [Communication Arrangements](#) app. If it is not active, you must set it up.

To set up the communication scenario, follow the procedure under [Integrating On-Premise Systems](#).

2.3 Add Characteristic LOBM_LICHA Vendor Batch Number to Batch Class YB_BATCH (Optional)

Purpose

Characteristic LOBM_LICHA needs to be added to the class YB_BATCH, if you want to create batches in the SAP EWM system.

Only LOBM characteristics are transferred from EWM to S/4HANA Cloud.

📘 Note

The batch class YB_BATCH is a sample master data, but can also be used productively in the batch determination.

Check before you remove the characteristic YB_SUPPLIER_BATCH_NUMBER from the class YB_BATCH, if you need the characteristic YB_SUPPLIER_BATCH_NUMBER in the class elsewhere.

Procedure

Test				
Step #	Test Step Name	Instruction	Expected Result	Comments
1	Log On	Log on to the SAP Fiori launchpad as a SAP_BR_BOM_ENGINEER .	The SAP Fiori launchpad displays.	
2	Access the SAP Fiori App	Open Manage Classes (CL02).	The Class screen displays.	📘 Note There is a common screen for the create, change, and display mode.
3	Enter Class Name	Make the following entries and choose Change : • Class: YB_BATCH • Class Type: 023	The Change Class screen displays.	

Test

Step #	Test Step Name	Instruction	Expected Result	Comments
4	Add Char. LOBM_LICHA	Go to the <i>Char.</i> tab and enter the following details to assign characteristics you created to this class: <i>Char.</i> column: • <i>Char.:</i> LOBM_LICHA • Select the <i>EWM Relevant</i> checkbox Choose <i>Enter</i>.	The <i>Description</i> and <i>Data Type</i> of characteristics are automatically filled.	
5	Select YB_SUPPLIER_BATCH_NUMBER	Select <i>YB_SUPPLIER_BATCH_NUMBER</i> .		
6	Choose Delete Char.	On the <i>Char.</i> tab, choose <i>Delete Char.</i>		
7	Save your entries	Save your entries.		

3 Configuration before Integration

The following section describes the settings you need to do in the SAP EWM on-promise system integrating with the SAP S/4HANA Cloud Public Edition system. These settings fall into the following three main groups:

- Prerequisite settings that have to be checked and were delivered by SAP (as part of the standard delivery). The term *Check* used in this document refers to these prerequisite settings.
- Settings defined by the customer (customer-specific settings and those used in the customer namespace). These settings can be initial or reused and are indicated in the text by **<your value>**.
- Additional settings that need to be made either by automation or manual configuration (in the customer namespace). The term *Create* in the text refers to these additional settings.

Language

For all information in this guide, we assume that the user who carries out the configuration has always logged on in English (EN), and therefore, follows English menu paths.

Decimal Notation

All figures or numbers documented in the configuration guides use the decimal notation schema which is common for the US.

That is, the “comma” (,) is used as the thousands separator, the “period” (.) is used as the decimal separator.

3.1 Create an RFC User

Context

To enable communication between the SAP S/4HANA Cloud Public Edition system and the SAP EWM system, you have to create an RFC user in the SAP EWM system. You can skip this activity if the user already exists in your system.

Procedure

1. Access the transaction using one of the following navigation options:

Easy Access Menu(SAP EWM)	Transaction Code
► Tools ► Administration ► User Maintenance ► Users ►	SU01

2. In the *User* field, enter **RFCCOMUSER**.
3. Choose *Create (F8)*
4. On the *Maintain User* screen, create the following entries:v.

Field Name	Entry
Address tab page	
Last name	<RFCCOMUSER>
Function	
Logon data tab page	
Initial password	<BPconnect>
Repeat password	<BPconnect>
User type	C – Communications Data
Profiles tab page	
Role	For information about the authorizations for the SAP EWM communication user, see the Component Security Guide for SAP EWM 9.5: In the SAP Help Portal, go to the https://help.sap.com/viewer/product/SAP_EXTENDED_WAREHOUSE_MANAGEMENT product page and choose the 9.05 FP02 version. Then select the <i>SAP EWM 9.5 Security Guide</i> under <i>Security</i>. → Tip For the integration from an SAP S/4HANA Cloud Public Edition system to an SAP EWM system, for example, the role/SCWM/ERP_EWM_INTEGRATION exists.

5. Choose *Save* (Ctrl+S).
6. Choose *Back (F3)*.

3.2 Define Logical System for SAP EWM and SAP S/4HANA Cloud Public Edition

Context

To enable communication between your SAP EWM and your SAP S/4HANA Cloud Public Edition systems, you need to define logical systems for both systems in your SAP EWM system.

You also need to define a logical system for your EWM client and assign it later to the client.

Procedure

1. Access the transaction using one of the following navigation options:

IMG Menu(SAP EWM)	Transaction Code
▶ SAP NetWeaver ▶ Application Server ▶ IDoc Interface / Application Link Enabling (ALE) ▶ Basic Settings ▶ Logical Systems ▶ Define Logical System ▶	BD54

2. Confirm the information message **Caution: The table is cross-client.**
3. Choose [New Entries](#). Make the following entries.
4. Make the following entries.

Note

To designate logical systems, apply the following naming convention:

XXXCLNTNNN

where **XXX** is the system name

and **NNN** is the client.

To find out the logical system of the SAP S/4HANA Cloud Public Edition system, log on to the SAP Fiori launchpad in the SAP S/4HANA Cloud Public Edition system. Select the [Communication Systems](#) tile. In the displayed communication systems, find the [Own System](#) entry. The System ID of the entry is the logical system of the SAP S/4HANA Cloud Public Edition system.

5. Choose [Save](#) (Ctrl+S).
6. Choose a workbench request if required.

3.3 Assign Logical System to Client

Context

The purpose of this activity is to assign the logical system of your SAP S/4HANA Cloud Public Edition client to the client.

Skip this activity if a logical system is already assigned to your client.

Procedure

1. Access the activity using one of the following navigation options:

IMG Menu(SAP EWM Sys-
tem)

Transaction Code

Tools → Administration →
Administration → Client Ad-
ministration → Client Mainte-
nance

2. On the [Display View "Clients": Overview](#) screen, choose the [Display](#) [Change](#) button.
3. Confirm the message: *Caution:The table is cross client.*
4. Select your SAP EWM client and choose the [Details](#) button.
5. On the [Change View "Clients": Details](#) screen, make the following entries:

Field Name

Entry Value

Logical system

<EWMCLNT###>

6. Choose **Save** (**Ctrl+S**) and confirm the information message: **Be careful when changing the logical system (see long text).**

3.4 Configure an RFC Destination in the calling SAP EWM System

Procedure

1. Access the activity as follows:

Easy Access Menu

(SAP EWM)

Transaction Code

► Tools ► ALE ► ALE
Administration ► Runtime
Settings ► Maintain RFC
Destinations ►

SM59

2. Select *Create*.
3. On the *RFC Destination* screen, make the following entries:

Example

RFC Destination: <rfc destination>

Connection Type: 3 ABAP Connection

Description 1: <of your Cloud system>

4. Navigate to the *Technical Settings* tab.
5. On the *Technical Settings* tab, make the following entries

Example:

Target Host: <target host as configured in the Cloud Connector>

Instance No.: <instance number as configured in the Cloud Connector>

6. Navigate to the *Logon & Security* tab and make the following entries:

Field Name

User Action and Default Values

Logon&Security

Language

EN

Client

<001>, (enter your SAP S/4HANA Cloud Public Edition target client)

User

Leave Blank

Field Name	User Action and Default Values
Password	Leave Blank
Current user	☐ Deselect (default)
Trust Relationship - No	☒ Select No (default)
Status of Secure Protocol	
Inactive	☒ Select Inactive (default)

7. Save your entries.

8. Select [Connection Test](#) to check the SAP connection.

3.5 Determine RFC Destinations for Method Calls

Context

You can use this procedure to determine remote function call (RFC) destinations in the EWM system used for method calls.

Procedure

1. Access the transaction using one of the following navigation options:

IMG Menu (SAP EWM system)	Transaction Code
 SAP NetWeaver  Application Server  Interface/Application Link Enabling (ALE)  Communication  Determine RFC Destinations for Method Calls 	BD97

2. On the [Assign RFC Destinations for Synchronous Method Calls](#) screen, select the relevant SAP S/4HANA Cloud Public Edition logical system.
3. Choose the [Standard BAPI destination](#) button.

4. In the dialog box, in the *RFC destination for BAPI calls* field, enter the RFC destination of the SAP S/4HANA Cloud Public Edition system.
5. Choose *Continue (Enter)*.
6. Choose *Save*.

3.6 Define Own Business System

Use

You can use this procedure to name the business system of the system in which you have installed SAP EWM.

Procedure

1. Access the transaction using one of the following navigation options:

**IMG Menu (SAP EWM Sys-
tem)**

Transaction Code

► *SAP NetWeaver*
 ► *Application Server* ► *IDoc*
Interface/Application Link
Enabling (ALE)
 ► *Communication* ► *Determine*
RFC Destinations for Method
Calls ►

SPRO

2. On the *Change View "Name of Own Business System": Overview* screen, choose *New Entries*.
3. On the *New Entries: Overview of Added Entries* screen, enter the name of your own business system, for example, **EWM_001**.

ⓘ Note

Naming convention: **SID_client number of the SAP EWM system**

4. Choose *Save*.
5. Choose *Back (F3)*.

3.7 Define Business System

Use

You can use this procedure to name the business system and all systems that are part of the system landscape.

Procedure

1. Access the transaction using one of the following navigation options:

IMG Menu

(SAP EWM System)

Transaction Code

► *SCM Extended Warehouse Management* ► *Extended Warehouse Management*
► *Interfaces* ► *ERP Integration*
► *General Settings* ► *Define Business System* ►

2. On the *Change View "Buffer for SLD Data of Business Systems": Overview* screen, create a new entry for each system that is part of your system landscape.
For example, choose the *New Entries* button for each of the following values:

Business System	Logical System	Manual Maint.
<Bus. System name>, for example, S4C_100	< SAP S/4HANA Logical System >	X Flag set. Event has occurred.
<Bus. System name>, for example, EWM_001	<EWM Logical System>, for example, EWMCLNT001	X Flag set. Event has occurred.

3. Choose *Save*.

Result

All named business systems are added to table /EWMB/TBUSSYS.

3.8 Maintain Business System Group

Use

You can use this procedure to maintain business system groups (BSGs).

The business system group is maintained in product master when it is replicated from the SAP S/4HANA Cloud Public Edition system.

Procedure

1. Access the transaction using one of the following navigation options:

IMG Menu

(SAP EWM System)

Transaction Code

► *SCM Extended Warehouse Management* ► *SCM Basis*
► *Integration* ► *Basic Settings for Creating the System Landscape* ► *Maintain Business System Group* ►

SPRO

2. On *Change View "Business System Group": Overview* screen, enter the name of the business system group for the SAP S/4HANA Cloud Public Edition system.

BusSystGrp

Description

BSG_S4C

<BSG for S4C client 100 and EWM client 001>

→ Tip

We recommend that you enter a name that relates to the system and the client you are integrating.

ⓘ Note

This description is used for all languages

3. Choose *Save*.
4. Choose *Back* (F3).

3.9 Assign Logical System and Queue Type

Use

You can use this procedure to assign the logical system and queue types to a business system group (BSG).

⚠ Caution

As of Release 1805 you can only connect one SAP S/4HANA Cloud Public Edition system to one SAP EWM system client.

Procedure

1. Access the transaction using one of the following navigation options:

IMG Menu

(SAP EWM System) Transaction Code

► *SCM Extended Warehouse Management* ► *SCM Basis*
► *Integration* ► *Basic Settings for Creating the System*
Landscape ► *Assign Logical System and Queue Type* ►

2. On the *Change View "Assignment of Logical System to Business System Group": Overview* screen, choose *New Entries*.
3. On the *New Entries: Overview of Added Entries* screen, make the following entries: **For attributes not mentioned in table below, keep default values!**

Business System Group	Logical System	SAP Ind.	Release	Queue Type
<BSG_S4C>	<SAP EWM Logical System>	X	< 70SAP SCM 7.0 >	I Inbound Queues
<BSG_S4C>	<SAP S/4HANA Cloud Private Edition Logical System>	X	<700SAP ERP 2007>	I Inbound Queues

4. Choose [Save](#).
5. Choose [Back \(F3\)](#).

3.10 Control for RFC Queue

Use

You can use this procedure to define outbound communication.

Procedure

1. Access the transaction using one of the following navigation options:

IMG Menu

(SAP EWM System)	Transaction Code
SCM Extended Warehouse Management > Extended Warehouse Management > Interfaces > ERP Integration > General Settings > Control for RFC Queue	SPRO

2. On the [Change View "qRFC Configuration for Communication ERP <=> EWM": Overview](#) screen, choose [New Entries](#).
3. On the [New Entries: Details of Added Entries](#) screen, make the following entries:

Field Name	User Action and Values	Comment
<i>Business System</i>	<Bus. System name> , for example, S4C_100	Use the business system defined for your SAP S/4HANA Cloud Public Edition system.
<i>Queue Type</i>	I Inbound Queues	
<i>Aggr. Single Queues</i>	No Aggregation	
<i>Mass Queue Act.</i>	Mass Queue Deactivated (=> Individual Queue)	

Field Name	User Action and Values	Comment
<i>Parallel Mass Queues</i>	Leave empty	

4. Choose [Save](#). You will be asked for a Customizing request.
5. Choose [Back \(F3\)](#).

3.11 qRFC Monitor (QOUT Scheduler)

Context

The scheduler for outbound queue in EWM is set up, which enables automatic processing of messages in the outbound queues.

Procedure

1. Access the transaction using the following navigation option:

Transaction Code
(SAP EWM System)

SMQS

2. Choose [Registration](#).
3. Make the following entries:

Parameter	Value
<i>Destination</i>	<SAP S/4HANA RFC Destination>
<i>Max. Conn.</i>	10
<i>Max. Runtime</i>	60
<i>W/o tRFC</i>	Leave empty (Default)
<i>Scheduler Monitoring</i>	0

4. Choose [Continue \(Enter\)](#).
5. Choose [Back \(F3\)](#).

3.12 qRFC Monitor (QIN Scheduler)

Context

The scheduler for inbound queues in the SAP EWM system is set up, which enables automatic processing of messages in inbound queues.

Procedure

1. Access the transaction using the following navigation option:

Transaction Code
(SAP EWM System)

SMQR

2. Choose [Registration](#).
3. Create the following values:

Parameter	Value
Queue name	DLV*
Mode	D (Default)
Max. Runtime	60 (Default)
Destination	Leave empty (Default)
Attempts	Leave empty (Default)
Pause	300 (Default)
Scheduler Monitoring	Leave empty (Default)

4. Choose [Continue \(Enter\)](#).
5. Repeat steps 2-4 for following queue names:

Parameter	Value
Queue name	DLW*

Parameter	Value
Queue name	EWM*
Queue name	WMDP*
Queue name	WMT*
Queue name	X*
Queue name	CF*
Queue name	WM*
Queue name	CS4*

6. Choose [Back\(F3\)](#).

3.13 qRFC Administration - Register Display Program

Use

You can use this procedure to register display programs for the allocation log in Extended Warehouse Management (EWM).

Procedure

1. Access the transaction using the following navigation option:

Transaction Code

(SAP EWM System)

SMQE

2. Choose [Edit](#) [Register Display Program](#).
3. Register the program:

Queue Name	Program Name
DLV*	/SCWM/QRFC_APPL_LOG_DISPLAY

4. Choose *Continue (Enter)*.
5. Repeat steps 2-4 for following queue names:

Queue Name	Program Name
DLW*	/SCWM/QRFC_APPL_LOG_DISPLAY
EWM*	/SCWM/QRFC_APPL_LOG_DISPLAY
WM*	/SCWM/QRFC_APPL_LOG_DISPLAY
X*	RSXMB_SHOW_ENTRY
CF*	/SAPAPO/CIF_QUEUE_EVENT3

6. Choose *Back (F3)*.

3.14 Set Control Parameters for SAP S/4HANA Cloud Public Edition Version Control

Procedure

1. Access the activity as follows:

IMG Menu

(SAP EWM) Transaction Code

► *SCM Extended Warehouse Management* ► **SPRO**
Management ► *Extended*
Warehouse Management ►
Interfaces ► *ERP Integration*
 ► *General Settings* ► *Set*
Control Parameters for ERP
Version Control ►

2. On the *Change View "Recipient-Dependent Control of Processes": Details* screen, choose *New Entries*.
3. On the *New Entries: Details of Added Entries* screen, enter:

Field name	User action and values	Comment
Business System	<S4C_100>	Input help: <Business System of your SAP S/4HANA Cloud Private Edition system>
SAP Release	S4_CE_112	SAP S/4HANA Cloud Public Edition Edition

3.15 Create the Location for the Corresponding Plant of the SAP S/4HANA Cloud Public Edition System in the SAP EWM System

Context

In this activity, you create the location for the corresponding plant of the SAP S/4HANA Cloud Public Edition system in the SAP EWM system.

Procedure

1. Access the activity using the following navigation options:

SAP SCM menu	Transaction code
 Master Data > Location > Location	/SAPAPO/LOC3

2. On the [Location Master Data: Initial Screen](#), make the following entries:

 Note
Location:**1010**
Location Type:**1001**

3. On the [Location Master Data: Initial Screen](#), choose [Create](#).
4. On the Create [Location 1010](#) screen, make the following entries:

 Note
Description:**Plant 1 DE**

Time Zone **CET**

5. Navigate to the *Address* tab
6. On the *Address* tab, make the following entries:

ⓘ Note

Country **DE**

7. Save your entries.

ⓘ Note

Create the locations for the plant number(s) of your SAP S/4HANA Cloud Private Edition system that you configure.

If you set up an SAP Best Practices Demo system you can use the following plant numbers:

1010 for DE version

1710 for US version

##10 for another country version, where you replace **##** with the corresponding country identifier.

If you want to implement stock transfer processes between plants you also need to create the additional plant(s) **1020** or **1720**.

3.16 Maintain Supply Chain Unit for Warehouse

Procedure

1. Access the activity as follows:

Easy Access Menu

(SAP EWM)

Transaction Code

▶▶ *SCM Extended* **/SCMB/SCUMAIN**
Warehouse Management
▶ *Extended Warehouse*
Management ▶ *Master Data*
▶ *Maintain Supply Chain*
Unit ▶

2. On the *Supply Chain Unit: Initial Screen*, make the following entries:

Field Name	Description	User Action and Values	Comment
<i>Supply Chain Unit</i>		YWAREHOUSE - 1030	
<i>Type</i>		1002	Distribution Center

- Choose [Create](#).
- On the [Supply Chain Unit: Maintenance](#) screen, on the General tab, make the following entries:

<i>Description</i>	<i>Time Zone</i>
Warehouse Cross Industries (1030)	CET

- Navigate to the [Address](#) tab
- On the [Address](#) tab, make the following entries:

<i>Name</i>	Warehouse Cross Industries (1030)
<i>Title</i>	Company
<i>Search term</i>	EWM
<i>Country</i>	DE
<i>Region</i>	08
<i>Language</i>	EN English

- Navigate to the [Alternative](#) tab.

Business Attribute	Description
INV	WAREHOUSE
R0	GOODS RECEIPT OFFICE
S0	SHIPPING OFFICE

- Choose [Save](#).

📘 Note

Along with the Supply Chain Unit, the system implicitly creates a location of type 1002 using the same attributes as entered in the Supply Chain Unit creation transaction

If you set up an SAP Best Practices Demo system you can use the following SCU numbers:

YWAREHOUSE - 1030 for DE version

YWAREHOUSE - 1710 for US version

YWAREHOUSE-##30 for another country version, where you replace ## with the corresponding country identifier.

If you want to implement stock transfer processes between two plants and the corresponding warehouses you repeat the steps above for Supply Chain Unit **YWAREHOUSE-##40**.

3.17 Define Warehouse Numbers

1. Access the activity as follows:

IMG Menu

(SAP EWM)

Transaction Code

►► *SCM Extended
Warehouse Management*
► *Extended Warehouse
Management* ► *Master Data*
► *Define Warehouse
Numbers* ►

SPRO

2. On the *Change View "Define Warehouse Number": Details* screen, choose *New Entries*
3. On the *New Entries: Details of Added Entries* screen, enter:

Warehouse No.

1030

4. In the *Define Warehouse Number* section, enter:

Description

Warehouse Cross Industries (1030)

📘 Note

Enter the corresponding warehouse number(s) in SAP EWM system of your SAP S/4HANA system that you configured there.

If you set up an SAP Best Practices Demo system you can use the following warehouse numbers:

1030 for DE version

1730 for US version

##30 for another country version, where you replace ## with the corresponding country identifier.

If you want to implement stock transfer processes between two plants and the corresponding warehouses you can repeat the steps above for warehouse **1040**

If you set up an SAP Best Practices Demo system you can use the following warehouse numbers:

1040 for DE version

1740 for US version

##40 for another country version, where you replace **##** with the corresponding country identifier.

3.18 Define Warehouse Number Control (Part 1)

Context

In this IMG activity, you define the basic data for a warehouse number for Extended Warehouse Management. For example, weight, volume, time and length units, *Default Storage Process Types* for special activities, Determination Procedure for Condition Technique.

This configuration screen is later again maintained, when additional attributes have been set-up and can be assigned to the warehouse number.

Procedure

1. Access the activity as follows:

IMG Menu

(SAP EWM)

Transaction Code

► *SCM Extended Warehouse* SPRO
Management ► *Extended*
Warehouse Management
► *Master Data* ► *Define*
Warehouse Number Control ►

2. On the *Change View "Warehouse Number Control": Overview* screen, select the entry for warehouse number 1030.
3. Choose *Details (Ctrl+Shift+F2)*.
4. On the *Change View "Warehouse Number Control": Details*, screen, enter:

Field name	User action and values
Weight Unit	KG
Time Unit	MIN
Volume Unit	L
Unit of Length	M
Currency	EUR
Factory Calend.	01
Ctrl CIF	1

- Choose [Save](#).
- Only during initial setup you may ignore message "Changing units for warehouse number - execute correction report"
- Choose [Enter](#) to continue.
- Repeat the previous steps for warehouse number 1730 with following entries:

Field name	User action and values
Weight Unit	KG
Time Unit	MIN
Volume Unit	L
Unit of Length	M
Currency	USD
Factory Calend.	US
Ctrl CIF	1

Note

Enter the corresponding warehouse number(s) in SAP EWM system of your SAP S/4HANA system that you configured there.

If you set up an SAP Best Practices Demo system you can use the following warehouse numbers:

1030 for DE version

1730 for US version

##30 for another country version, where you replace ## with the corresponding country identifier.

If you want to implement stock transfer processes between two plants and the corresponding warehouses you can repeat the steps above for warehouse number **1040**

If you set up an SAP Best Practices Demo system you can use the following warehouse numbers:

1040 for DE version

1740 for US version

##40 for another country version, where you replace **##** with the corresponding country identifier.

3.19 Map Warehouse Numbers from S/4HANA Cloud System to EWM

Procedure

1. Access the activity as follows:

IMG Menu

(SAP EWM) Transaction Code

► [SCM Extended Warehouse Management](#) ► [Extended Warehouse Management](#)
► [Interfaces](#) ► [ERP Integration](#)
► [General Settings](#) ► [Map Warehouse Numbers from ERP System to EWM](#) ►

2. On the [Change View "Mapping for Warehouse Number": Overview](#) screen, choose [New Entries \(F5\)](#).
3. Create the following entry:

Business System	WNoERP	Warehouse Number	Comment
<Bus. System name> , for example, S4C_100	103	1030	
<Bus. System name> , for example, S4C_100	104	1040	

4. Choose [Save](#).
5. Repeat for the above steps for the following entries:

Business System	WNoERP	Warehouse Number	Comment
<Bus. System name>, for example, S4C_100	173	1730	US version
<Bus. System name>, for example, S4C_100	174	1740	US version

📘 Note

Enter the corresponding warehouse number(s) in SAP EWM system of your SAP S/4HANA system that you configured there.

If you set up an SAP Best Practices Demo system you can use the following warehouse numbers:

1030 for DE version

1730 for US version

##30 for another country version, where you replace ## with the corresponding country identifier.

If you want to implement stock transfer processes between two plants and the corresponding warehouses you can repeat the steps above for warehouse number **1040**

If you set up an SAP Best Practices Demo system you can use the following warehouse numbers:

1040 for DE version

1740 for US version

##40 for another country version, where you replace ## with the corresponding country identifier.

3.20 Define Number Range for Business Partner

Procedure

1. Access the activity as follows:

IMG Menu

(SAP EWM)

Transaction Code

► Cross-Application
Components ► SAP Business
Partner ► Business Partner
► Basic Settings ► Number
Ranges and Groupings
► Define Number Ranges ►

BUCF

2. On the *Range Maintenance: Business Partner* screen, choose *NR Status*.
3. Remove the value in NR Status for Number range Internal 01 if there is any existing number.
4. Choose save and back.
5. On the *Range Maintenance: Business Partner* screen, choose *Change Intervals*.
6. Make the following entries

No	From number	To number	Ext
01	0000000001	0000999999	X
02	0001000000	0009999999	
03	0010000000	0999999999	X
04	0A	8Z	X

7. Choose *Save* and *Back*.

3.21 Define Groupings and Assign Number Ranges for Business Partner

Procedure

1. Access the activity as follows:

IMG Menu

(SAP EWM) Transaction Code

► [Cross-Application](#) **SPRO**
[Components](#) ► [SAP Business](#)
[Partner](#) ► [Business Partner](#)
► [Basic Settings](#) ► [Number](#)
[Ranges and Groupings](#)
► [Define Groupings and Assign](#)
[Number Ranges](#) ►

2. On the [Change View "BP Groupings": Overview](#) screen, make the following entry.

Grouping	Short name	Description	Number Range
BP01	Ext.Numeric Lo	External numeric numbering (lower range)	01
BP02	Int. Numeric	Internal Numbering for standard use	02
BP03	Ext.Numeric Hi	External numeric numbering (higer range)	03
BP04	Ext. AlphaNum	Ext. alphanumeric numb. (Sample Data)	04

3. Choose [Save](#) and [Back](#).

3.22 Define Number Range Intervals for Outbound Deliveries

Procedure

1. Access the activity as follows:

IMG Menu

(SAP EWM)

Transaction Code

► [SCM Extended Warehouse Management](#) ► [Extended Warehouse Management](#)
► [Cross-Process Settings](#)
► [Delivery - Warehouse Request](#) ► [Define Number Range Intervals for Outbound Deliveries](#) ►

2. On the [Range Maintenance: Outbound Delivery](#) screen, choose [Change Intervals](#).
3. On the [Maintain Intervals: Outbound Delivery](#) screen, make the following entries (use button Insert Line to add a second editable row):

No	From number	To number	Ext
01	00000000000000000001	00000000009999999999	
02	00000000010000000000	00000000019999999999	X

4. Choose [Save](#).
5. In the Transport number range intervals dialog box, choose [Continue](#).

3.23 Define No. Range Intervals for Inbound Deliveries and Outbound Del. Orders

Procedure

1. Access the activity as follows:

IMG Menu	Transaction Code
(SAP EWM)	/SCDL/NURA_PRD

2. On the *Range Maintenance: Processing Document* screen, choose *Change Intervals*.
3. On the *Maintain Intervals: Proceeding Document* screen, enter:

No	From No.	To Number	Ext
01	00000000310000000000	00000000319999999999	[]

4. Choose *Insert Line*.
5. Enter in the new line:

No	From No.	To Number	Ext
02	00000000410000000000	00000000419999999999	[]

6. Choose *Save*.
7. In the *Transport number range intervals* dialog box, choose *Continue*.

3.24 Define No. Range Intervals for Posting Changes and Stock Transfers

Procedure

1. Access the activity as follows:

IMG Menu
(SAP EWM)

Transaction Code

/SCDL/NURA_PRD

- On the *Range Maintenance: Processing Document* screen, choose *Change Intervals*.

Note

You see the same values that you have entered in the previous chapter, as both share the same configuration activity.

- On the *Maintain Intervals: Proceeding Document* screen, enter:

No	From No.	To Number	Ext
03	00000000810000000000	00000000819999999999	

- Choose *Insert Line*.
- Enter in the new line:

No	From No.	To Number	Ext
04	00000000910000000000	00000000919999999999	

- Save your entries

3.25 Define Number Range Intervals for Expected Goods Receipt

Procedure

- Access the activity as follows:
- On the *Range Maintenance: Expected GR* screen, choose *Change Intervals*.
- On the *Maintain Intervals: Expected GR* screen, make the following entries:

No	From number	To number	Ext
01	1100000000	1199999999	[]

- Choose *Save*.
- In the *Transport number range intervals* dialog box, choose *Continue*.

3.26 Define Number Ranges for SAP S/4HANA Cloud Public Edition Documents

Use

You use this procedure to define number ranges for delivery documents created in the SAP Extended Warehouse Management (EWM) system and that are transferred to the SAP S/4HANA Cloud Public Edition system.

⚠ Caution

Ensure that you assign number range intervals that do not overlap with number range intervals in the SAP S/4HANA Cloud Public Edition system. If they overlap, problems arise as the ID of delivery documents from the SAP EWM system interfere with delivery documents the SAP S/4HANA Cloud Public Edition system creates. The IDs aren't unique.

Check the table below for the delivery document number range defined in the SAP S/4HANA Cloud Public Edition system.

No.	From number	To number	Ext
01	0000000001	0004999999	
02	0005000000	0005999999	X
03	0010000000	0014999999	
04	0015000000	0019999999	X
05	0020000000	0024999999	
06	0025000000	0029999999	X
07	0030000000	0034999999	
08	0035000000	0039999999	X
09	0040000000	0044999999	
10	0045000000	0049999999	X
11	0050000000	0054999999	
12	0055000000	0059999999	X
13	0060000000	0064999999	
14	0065000000	0069999999	X

No.	From number	To number	Ext
15	0070000000	0074999999	
16	0075000000	0079999999	X
17	0080000000	0083999999	
18	0085000000	0088999999	X
19	0090000000	0094999999	
20	0095000000	0099999999	X
21	0084000000	0084999999	
22	0089000000	0089999999	X
23	0100000000	0109999999	
24	0083000000	0083999999	
41	0180000000	0182999999	
42	0185000000	0186999999	X
43	0187000000	0190000000	
44	0190000001	0195000000	X
90	R0001	R9999	X
C1	0200000000	0205000000	
C2	0205000001	0205999999	X
C3	0210000000	0215000000	
C4	0215000001	0215999999	X
DI	0300000000	0399999999	
IR	1000000000	1999999999	

Procedure

1. Access the transaction in the **SAP EWM** system using one of the following navigation options:

IMG Menu

(SAP EWM)

Transaction Code

► [SCM Extended Warehouse Management](#) ► [Extended Warehouse Management](#)
► [Interfaces](#) ► [ERP Integration](#)
► [Delivery Processing](#)
► [Define Number Ranges for ERP Deliveries](#) ►

2. On the [Range Maintenance: ERP Document Number](#) screen, choose [Change Intervals](#).
3. On the [Maintain Intervals: ERP Document Number](#) screen, make the following entry: On the [Maintain Intervals: ERP Document Number](#) screen, make the following entry:

⚠ Caution

Enter an interval or a part of an interval that is a free interval in the **SAP S/4HANA Cloud Public Edition** system.

No.	From number	To number	Ext
01	2000000000	2999999999	

4. Choose [Save](#).
5. To confirm the [Validation Document/Item Types of Delivery](#) dialog box, choose [Continue](#).

3.27 Check Units of Measurement

Procedure

1. Access the activity as follows

IMG Menu

(SAP EWM)

Transaction Code

► [SAP NetWeaver](#) ► [General Settings](#) ► [Check Units of Measurement](#) ►

2. On the [Units of Measure: Initial](#) screen, select [AAAADL](#) (no dimensions) from the dropdown list, and then choose [Units of measurement](#).

3. Check that the following entries exist:

Unit	Commercial	Technical	Meas. Unit text
ST	PC	PC	Piece
EA	EA	EA	each
PAL	PAL	PAL	Pallet

3.28 Define Regions

Use

The regions defined in the SAP EWM system have to be consistent with the ones in the SAP S/4HANA Cloud Public Edition system, otherwise errors can occur during the master data replication process.

Procedure

1. Access the activity as follows

IMG Menu

► SAP NetWeaver ► General Setting ► Set Countries ► Insert Regions ►

(SAP EWM)

Transaction Code	SPRO
------------------	------

2. On the [Change View "Regions": Overview](#) Screen, choose [New Entries](#).
3. On the [New Entries: Overview of Added Entries](#) screen, make the following entries:

Country	Region	Description
DE	BB	Brandenburg
DE	BE	Berlin
DE	BW	Baden-Wurttemberg
DE	BY	Bavaria

Country	Region	Description
DE	HB	Bremen
DE	HE	Hessen
DE	HH	Hamburg
DE	MV	Mecklenburg-Vorpomm.
DE	NI	Lower Saxony
DE	NW	Nrth Rhine Westfalia
DE	RP	Rhineland Palatinate
DE	SH	Schleswig-Holstein
DE	SL	Saarland
DE	SN	Saxony
DE	ST	Saxony-Anhalt
DE	TH	Thuringia

4. Choose [Save](#).

ⓘ Note

For other countries, please make sure the region settings are consistent in both systems.

3.29 Define Quantity Classifications

Context

The storage type determination uses quantity classification to determine the storage type in which a given quantity of a product (e.g. the quantity of a handling unit) is stored in the warehouse.

Procedure

1. Access the activity as follows:

IMG Menu

(SAP EWM)

Transaction Code

► [SCM Extended Warehouse Management](#) ► [Extended Warehouse Management](#) ► [Cross-Process Settings](#) ► [Warehouse Task](#) ► [Define Quantity Classifications](#) ►

SPRO

2. On the [Change View "Quantity Classification for Warehouse": Overview](#) screen, choose [New Entries](#) and create the following entries:

Qty. Class.

Description

P

Pallet Quantity

3. Choose [Save](#).

3.30 Define Unit of Measure Attributes

Context

In this Customizing activity, you assign a quantity classifier to a unit of measure (UoM).

The system uses the quantity classifiers you assign here to determine the storage type search sequence for putaway and stock removal. Based on the requested quantity, the system determines the UoM with the largest conversion factor which is smaller or equal to the requested quantity. The system reads the assignment table with this UoM and uses the resulting quantity classifier for the storage type search sequence determination.

Procedure

1. Access the activity as follows:

IMG Menu

(SAP EWM)

Transaction Code

► [SCM Extended Warehouse Management](#) ► [Extended Warehouse Management](#) ► [Cross-Process Settings](#) ► [Warehouse Task](#) ► [Define Quantity Classifications](#) ► **SPRO**

2. On the [Change View "Define Unit of Measure Attributes": Overview](#) screen, choose [New Entries](#) and create the following entries:

Warehouse Number	Unit	Qty Class.	Stock-Specific UOM
1030	PAL	P	[X]

3. Choose [Save](#).

📘 Note

Enter the corresponding warehouse number(s) in SAP EWM system of your SAP S/4HANA system that you configured there.

If you set up an SAP Best Practices Demo system you can use the following warehouse numbers:

1030 for DE version

1730 for US version

##30 for another country version, where you replace **##** with the corresponding country identifier.

If you want to implement stock transfer processes between two plants and the corresponding warehouses you can repeat the steps above for warehouse number **1040**.

If you set up an SAP Best Practices Demo system you can use the following warehouse numbers:

1040 for DE version

1740 for US version

##40 for another country version, where you replace **##** with the corresponding country identifier.

3.31 Check: Determine Stock Types

Context

Aside from the quantity of a stock at a particular storage bin, the status and its availability are also important. With the stock type, you determine the status and therefore the availability of a stock within LIME (Logistics Inventory Management Engine).

Procedure

1. Access the activity as follows:

IMG Menu

(SAP EWM)

Transaction Code

► *SCM Extended Warehouse Management* ► *Extended Warehouse Management*
► *Master Data* ► *Product*
► *Define Unit of Measure Attributes* ►

SPRO

2. On the [Change View "Customizing Stock Type": Overview](#) screen:
3. Select the following entries () and check that they are available and their description is as shown below.

Stock Type	Description
F1	Unrestricted-Use in Putaway
F2	Unrestricted-Use Warehouse
S5	Scrapping from Putaway
S6	Scrapping from Warehouse

4. In case you cannot find these entries or the description is different adopt them as described and save your data.

3.32 Configure Availability Group for Putaway

Context

Availability groups are used in order to map S/4HANA Cloud Plant/Storage location to EWM stock type. Each combination of Plant/Storage location of the particular logical system can be linked to one unique availability group only.

Procedure

1. Access the activity as follows:

IMG Menu

(SAP EWM)

Transaction Code

► [SCM Extended Warehouse Management](#) ► [Extended Warehouse Management](#)
► [Goods Receipt Process](#) ► → [Configure Availability Group for Putaway](#) ►

SPRO

2. In the [Choose Activity window](#), choose [Define Availability Group](#).
3. On the [Change View "Customizing Table - Availability Groups": Overview](#) screen, choose [New Entries](#) and create the following entries:

Warehouse Number	AGr	Description	DType ERP
1030	001	Goods in Putaway (ROD)	
1030	002	Goods Completely Available (AFS)	

4. Save your entries
5. Choose [Back \(F3\)](#) twice.
6. In the [Choose Activity window](#), choose [Define Non-Location-Dependent Stock Type](#).
7. On the [Change View "Customizing Table: Non-Location-Specific Stock Type": Overview](#) screen, choose [New Entries](#).
8. Create the following entries:

Warehouse Number	NST	Description
1030	BB	Blocked Stock
1030	FF	Unrestricted-Use Stock
1030	QQ	Stock in Quality Inspection
1030	RR	Blocked Stock Returns

9. Save your entries.
10. Choose *Back (F3) twice*.
11. In the *Choose Activity window*, choose *Configure Stock Type*.
12. On the *Change View "Customizing View : EWM Stock Types": Overview* screen, choose *New Entries* and create the following settings

Whse No	ST	Desc.	SG	SG	Desc.	AGr	Desc.	NST	Desc.	R.
1030	F1					001		FF		N Normal
1030	F2					002		FF		N Normal
1030	S5					001		BB		S Scrap.
1030	S6					002		BB		S Scrap.

13. Save your entries.

📌 Note

Enter the corresponding warehouse number(s) in SAP EWM system of your SAP S/4HANA system that you configured there.

If you set up an SAP Best Practices Demo system you can use the following warehouse numbers:

1030 for DE version

1730 for US version

##30 for another country version, where you replace **##** with the corresponding country identifier.

If you want to implement stock transfer processes between two plants and the corresponding warehouses you can repeat the steps above for warehouse number **1040**

If you set up an SAP Best Practices Demo system you can use the following warehouse numbers:

1040 for DE version

1740 for US version

##40 for another country version, where you replace **##** with the corresponding country identifier.

3.33 Map Storage Locations from S/4HANA Cloud System to EWM

Procedure

1. Access the activity as follows:

IMG Menu

(SAP EWM)

Transaction Code

SPRO

2. On the [Change View "Customizing Mapping Table for ERP Plant Storage Location"](#) screen, choose [New Entries](#) and create the following entries:

Plnt	SLoc	Logical system	Warehouse No.	AGrp	Comment
1010	103D	<SAP S/4HANA Logical System>	1030	001	Use the logical system representing your S/4HANA Cloud system. For example, XXXCLNT999. Also see comment below.
1010	103S	<SAP S/4HANA Logical System>	1030	002	
1020	104D	<SAP S/4HANA Logical System>	1040	001	
1020	104S	<SAP S/4HANA Logical System>	1040	002	

3. Choose [Save](#).
4. In the [Information No unique partner found for plant 1010:](#) , dialog box, choose [Continue](#) (**Enter**).

Note

If you set up an SAP Best Practices Demo system you can use the following plant/storage location/warehouse number combinations:

1010/103D/103S/1030 for DE version

1710/173D/173S/1730 for US version

##10/XX3D/XX3S/XX30 for another country version, where you replace **##** with the corresponding country identifier.

If you want to implement stock transfer processes between two plants and the corresponding warehouses you can repeat the steps above for the following plant/storage location/warehouse number combinations **1020/104D/104S/1040** for DE version

1720/174D/174S/1740 for US version

##20/##4D/##4S/##40 for another country version, where you replace **##** with the corresponding country identifier.

3.34 Define HU Types

Context

The following HU types have “originally” been defined in the SAP S/4HANA Cloud Public Edition system intended to be used in conjunction with a connected SAP EWM system. These values are assigned to the packaging materials already in the SAP S/4HANA Cloud Public Edition system. As the materials are transferred via the DRF, they should be created in the EWM system before actually doing the transfer of material master records.

Procedure

1. Access the activity using the following navigation options:

IMG Menu

(SAP EWM)

Transaction Code

► [SCM Extended Warehouse Management](#) ► [Extended Warehouse Management](#)
► [Cross-Process Settings](#)
► [Handling Units](#) ► [Basics](#)
► [Define HU Types](#) ►

SPRO

2. On the [Change View "Handling Unit Types": Overview](#) screen, choose [New Entries](#).
3. On the [New Entries: Details of Added Entries](#) screen, enter:

Handling Unit Type	Handling Unit Type Description
SN00	Standard HU Type
SN01	Pallet

4. Choose [Save](#).

3.35 Define Packaging Material Types

Context

The following packaging material types have “originally” been defined in the SAP S/4HANA Cloud Public Edition system intended to be used in conjunction with a connected SAP EWM system. These values are assigned to the packaging materials already in the SAP S/4HANA Cloud Public Edition system. As the materials are transferred via the DRF, they should be created in the SAP EWM system before actually doing the transfer of material master records.

Procedure

1. Log on to the EWM system.
2. Access the activity using the following navigation options:

IMG Menu	(SAP EWM)	SCM Extended Warehouse ManagementExtended Warehouse ManagementCross-Process Setting-sHandling UnitsBasicsDefine Packaging Material Types
Transaction Code SPRO		

3. On the [Change View "Packaging Material Types in WM": Overview](#) screen, choose [New Entries](#).
4. On the [New Entries: Details of Added Entries](#) screen, create the following entries:

Pack.Mat.Type	SP22
Description	Pallets, open
PM Category	C Packaging Materials
Closed	[]

Delete	[X]
No Assignment	B Number Range Interval
PrintDetermProc	0HUPR

5. Choose [Next Entry](#).

Pack.Mat.Type	SP23
Description	Pallets, SSCC Number, open.
PM Category	C Packaging Materials
Closed	[]
Delete	[X]
No Assignment	A SSCC
PrintDetermProc	0HUPR

6. Choose [Next Entry](#).

Table 1:

Pack.Mat.Type	SP32
Description	Wire Baskets/ Containers, closed
PM Category	C Packaging Materials
Closed	[]
Delete	[X]
No Assignment	B Number Range Interval
PrintDetermProc	0HUPR

7. Choose [Save](#)

3.36 Maintain Transportation Group

Use

The following transportation groups have “originally” been defined in the SAP S/4HANA Cloud Public Edition system and assigned to material master data. As the materials are transferred via the DRF, they should be created in the SAP EWM system before the transfer of material master records takes place.

Procedure

1. Log on to the EWM system.
2. Access the activity using the following navigation options:

IMG Menu

(SAP EWM)

Transaction Code

► *SCM Extended Warehouse Management* ► *SCM Basis*
► *Master Data* ► *Product*
► *Maintain Transportation Group* ►

SPRO

3. On the *Change View "Transportation Group": Overview* screen, choose New Entries.
4. On the *New Entries: Overview of Added Entries* screen, create the following entries:

Tr.Group	Trans. group description
1	On Pallets
2	In Liquid Form

5. Choose *Save*.

3.37 Activate Application Log (Optional)

Context

In order to be able to better analyze technical problems within the application, you can activate application logs which you later review in case of unexpected issues.

Procedure

1. Access the activity as follows:

Easy Access Menu

(SAP EWM) Transaction Code

► *SCM Extended Warehouse Management* ► *Extended Warehouse Management*
► *Settings* ► *Application Log*
► *Activate Application Log* ►

2. In the *Determine Work Area: Entry* dialog box, make the following entries:
Warehouse Number **1030**
3. In the *Determine Work Area: Entry* dialog box, choose *Continue* (Enter).
4. On the *Display View "Activate Application Log for EWM Applications": Overview* screen, choose ► *Display* ► *Change (Ctrl+F1)* ►.
5. Choose *New Entries* and create the following entries:

Subobject	User	Sub-object text	Log Active	No Info.	Validity
WHOEXCLOG		Warehouse Order: Exception Log	4 Additional Information		
WHOLOG		Warehouse Order: Log	4 Additional Information		
WHS_TASK		Warehouse Task	4 Additional Information		

6. Choose *Save*.
7. Repeat the above settings for warehouse **1730**.

Note

You may add further logs by choosing them from the value help on [Subobject](#).

Enter the corresponding warehouse number(s) in SAP EWM system of your SAP S/4HANA system that you configured there.

If you set up an SAP Best Practices Demo system you can use the following warehouse numbers:

1030 for DE version

1730 for US version

##30 for another country version, where you replace **##** with the corresponding country identifier.

If you want to implement stock transfer processes between two plants and the corresponding warehouses you can repeat the steps above for warehouse number **1040**

If you set up an SAP Best Practices Demo system you can use the following warehouse numbers:

1040 for DE version

1740 for US version

##40 for another country version, where you replace **##** with the corresponding country identifier.

3.38 Define Number Ranges

Procedure

1. Access the activity as follows:

IMG Menu (SAP EWM)	Transaction Code
--------------------	------------------

 SCM Extended Warehouse Management  Extended Warehouse Management  Master Data  Define Number Ranges 	SPRO
--	-------------

Define Number Ranges for Warehouse Tasks/Warehouse Documents

Procedure

1. In the *Choose Activity* dialog box, double-click *Define Number Ranges for Warehouse Tasks/Warehouse Documents*.
2. On the *Range Maintenance: Warehouse Task* screen, enter:

Warehouse No.

1030

3. On the *Interval Maintenance: Number Range Object Warehouse Task, Subobject 1030* screen, enter:

No	From No.	To Number	Ext
01	000100000000	000999999999	[]

4. Enter in the new Line:

No	From No.	To Number	Ext
02	100000000000	100099999999	[]

Define Number Range Intervals for Warehouse Order

Procedure

1. In the *Choose Activity dialog* box, double-click *Define Number Range Intervals for Warehouse Order*.
2. On the *Range Maintenance: Warehouse Order* screen, enter:
3. On the *Interval Maintenance: Number Range Object Warehouse Order, Subobject 1030* screen, enter:

No	From No.	To Number	Ext
01	0002000000	0009999999	[]

Number Ranges for Physical Inventory Documents

Procedure

1. In the *Choose Activity* dialog box, double-click *Number Ranges for Physical Inventory Documents*.

- On the *Range Maintenance: WME Phys. Inv. Doc.* screen, enter:

Warehouse No.

1030

- On the *Interval Maintenance: Number Range Object WME Phys. Inv. Doc., Subobject 1030* screen, enter:

No	Year	From No.	To Number	Ext
01	9999	000000000000000100000	000000099999999999999	[]

Assign Number Range Intervals to Warehouse Number

Procedure

- In the *Choose Activity* dialog box, double-click *Assign Number Range Intervals to Warehouse Number*.
- On the *Change View "Number Ranges for Whse Management": Overview* screen, make the following entries:

Warehouse Number	No.Rng	No. Range	WaveNoRg	NRInt. WO	VAS No.Rge	NRI Ind.Lab.Tsk	NRI PI Document	Description
1030	01	02		01			01	Warehouse Cross Industries

Note

Enter the corresponding warehouse number(s) in SAP EWM system of your SAP S/4HANA system that you configured there.

If you set up an SAP Best Practices Demo system you can use the following warehouse numbers:

1030 for DE version

1730 for US version

##30 for another country version, where you replace ## with the corresponding country identifier.

If you want to implement stock transfer processes between two plants and the corresponding warehouses you can repeat the steps above for warehouse number **1040**

If you set up an SAP Best Practices Demo system you can use the following warehouse numbers:

1040 for DE version

1740 for US version

##40 for another country version, where you replace ## with the corresponding country identifier.

3.39 Define Number Range for Packaging Specification

Procedure

1. Access the activity as follows:

IMG Menu

(SAP EWM)

Transaction Code

► SCM Extended Warehouse Management ► Extended Warehouse Management ► Master Data ► Packaging Specification ► Define Number Range for Packaging Specification ►

/SCWM/PS_NR

2. On the *Range Maintenance: Packaging Spec.* screen, choose *Change Intervals*.
3. On the *Maintain Intervals: Packing Spec.* screen, make the following entries. Choose *Insert Line* to add another editable row.

No	From number	To number	Ext
01	00000000000000000001	00000000000010000000	[]
02	00000000000010000001	00000000000099999999	[]
03	00000000000100000000	00000000000099999999	[]

4. Choose *Save*.
5. To confirm the *Transport number range intervals* dialog box, choose *Continue (Enter)*.

3.40 Map Document Types from S/4HANA Cloud System to EWM

With this setting you make sure EWM determines the correct document type based on the S/4HANA Cloud delivery type.

Procedure

1. Access the activity as follows:

IMG Menu

(SAP EWM)

Transaction Code

► [SCM Extended Warehouse Management](#) ► [Extended Warehouse Management](#)
► [Interfaces](#) ► [ERP Integration](#)
► [Delivery Processing](#) ► [Map Document Types from ERP System to EWM](#) ►

SPRO

📘 Note

Maybe the entry to be created listed below already exists. In this case, just skip the creation as described in step 4 and **check the existing entry for correctness**.

2. On the [Change View "Mapping Delivery Type - Document Type": Overview](#) screen, choose [Position](#).
3. In the [Another entry dialog box](#) enter:

Business System	Doc.Type ERP	Cde Init. Com. Ch.
	EL	

4. Choose [Details](#).
5. If the entry below already exists, you do not have to do anything:

Business System	Doc. Type ERP	Cde Init. Com.
	EL	

Mapping Delivery Type	Document Type
Document Type	INB

6. If the entry does not exist, choose [New Entries](#).
7. Create the entry as shown in step 5 and save it.
8. Repeat steps 2. to 7. for the following entries:

Business System	Doc. Type ERP	Cde Init. Com.
	LF	

Mapping Delivery Type	Document Type
Document Type	OUTB

3.41 Map Items Types from S/4HANA Cloud System to EWM

Procedure

1. Access the activity as follows:

IMG Menu

(SAP EWM)

Transaction Code

SPRO

📌 Note

Maybe the **entry** to be created listed below **already exists**. In this case just **skip the creation** as described in step 4. and **check the existing entry** for correctness.

Business System

DocTypeERP

EL

ItmTpERP

ELN

Doc. Type	
Diff.Attr.	
CW Product	[]
Item Type	IDLV

2. [Save](#) your entry.
3. Repeat Steps 2. to 4. for the following entry:

Business System	
DocTypeERP	LF
ItmTpERP	TAN
Doc. Type	
Diff.Attr.	
CW Product	[]
Item Type	ODLV

3.42 Define Item Types for Inbound Delivery Process

Procedure

1. Access the activity as follows:

IMG Menu

(SAP EWM)

Transaction Code

► [SCM Extended Warehouse Management](#) ► [Extended Warehouse Management](#) ► [Goods Receipt Process](#) ► [Inbound Delivery](#) ► [Manual Settings](#) ► [Define Item Types for Inbound Delivery Process](#) ►

SPRO

2. On the [Change View "Inbound Delivery Process Item Types": Overview](#) screen, select the entry with the following data:

Field Name	User Action and Values
<i>Item Type</i>	IDLV
<i>Document category</i>	IDR
<i>Item Category</i>	DLV

3. Choose [Details \(Ctrl+Shift+F2\)](#).
4. On the [Change View "Inbound Delivery Process Item Types": Details](#) screen, in the Process Management and Control area, check the following entries:

Apply ERP AuoM as SuoM

[X]

5. Repeat step 2-4 for the following entry:

Field Name	User Action and Values	Comment
<i>Item Type</i>	IDLV	
<i>Document category</i>	PDI	
<i>Item Category</i>	DLV	
<i>Apply ERP AuoM as SuoM</i>	[X]	Make sure the checkbox is selected.

6. Choose Save.

4 Communication Arrangement

A communication arrangement needs to be activated in SAP S/4HANA for communication with web services.

The communication arrangement is named as follows:

- SAP_COM_0247Logistics - Extended Warehouse Management Integration

4.1 Create Technical Communication User

The following steps can be adjusted to suit your specific requirements (for example, certificate-based authentication).

Prerequisite

In order to carry out the following activity, a business user with a business role must exist. The business role must contain the business catalog SAP_CORE_BC_COM (Communication Management), for example, the business role SAP_BR_ADMINISTRATOR (Administrator) is required.

Procedure

1. Log on to the SAP Fiori launchpad in the SAP S/4HANA Cloudsystem.
2. Select the *Maintain Communication Users* tile.
3. Choose *New* to create a new user (for example, **COM247SID001**).

Note

Choose a user name with maximum of 12 characters. Otherwise, you can't enter the name into the user name field of transaction SM59 in the calling SAP EWM system.

You can choose a user name with the following naming convention:

COM247 stands for the communication arrangement id.

SID stands for the system Id of the SAP EWM system

001 stands for the client of the SAP EWM system

You need to enter the communication user when you configure an RFC destination in the calling SAP EWM system via transaction SM59.

4. Enter a description for the user.
5. Assign a password for the user.
6. Choose *Create*.
7. Make a note of user data. This is required when you create the communication arrangement.

4.2 Create Communication System

Procedure

1. Log on to the SAP Fiori launchpad in the SAP S/4HANA Cloud Public Edition system.
2. Select the *Communication Systems* tile.
3. Choose *New* to create a new system.
4. Enter a system ID and a system name.
5. Choose *Create*.
6. Enter information regarding the system you wish to integrate in the *Technical Data* section.
7. On the *Communication System* screen, create the following settings for the target SAP EWM system
 - General*
 - Host Name:* <host name>
 - Logical System:* <logical system>
 - HTTPS Port:* <port>
 - UI Host Name:* Leave empty
 - Business System:* <business system>
 - Select the *Use Cloud Connector* checkbox
 - Cloud Connector Settings*
 - Client:* <client>
 - Instance Number:* <Instance No.>
8. On the *Communication System* screen, choose *User for Inbound CommunicationAdd*.
9. In the *New User for Inbound Communication* dialog box, make the following entries
 - User Name:* COM247SID001
 - Authentication Method:* User Name and Password
10. In the *New User for Inbound Communication* dialog box, choose *OK*.
11. On the *Communication System* screen, choose *User for Outbound CommunicationAdd*.
12. In the *New Outbound User* dialog box, make the following entries:
 - Authentication Method:* User Name and Password
 - User Name:* <RFCCOMUSER>
 - Password:* <BPconnect>

Note

Enter the communication user and password of your target SAP EWM system that you created in step 3.1
Create an RFC User

13. In the *New Outbound User* dialog box, choose *Create*.
14. Choose *Save*.

4.3 Create Communication Arrangement - Logistics - Extended Warehouse Management Integration

Procedure

1. Log on to the SAP Fiori launchpad in the SAP S/4HANA Cloud Public Edition system.
2. Select the *Communication Arrangements* tile.
3. Choose *New* to create a new communication arrangement.
4. Select SAP_COM_0247 (Logistics - Extended Warehouse Management Integration).
5. Adapt the *Arrangement Name* if required.
6. Choose *Create*.
7. In the *Common Data* section, select the *Communication System* from the input help that was created in the *Create Communication System* section.
8. The technical user that was created in the *Create Technical Communication User* section is automatically added to the *Inbound Communication* section.
9. In the *Additional Properties* section, make the following entries:
*Warehouse Number***103**
*Warehouse Number***104**
*Warehouse Number***173**
*Warehouse Number***174**
Enter the warehouse number(s) of your SAP S/4HANA Cloud Public Edition system that you configure.
If you set up an SAP Best Practices Demo system you can use the following warehouse numbers:
103 for DE version
173 for US version
##3 for another country version, where you replace ## with the corresponding country identifier.
10. Choose *Save*.

The communication arrangement has been activated.

Caution

Whenever you edit the communication arrangement later make sure that there are no unfinished messages in the outbound queue of the SAP S/4HANA Cloud Public Edition system.

5 Assign User to the RFC Destination in the calling SAP EWM System

Procedure

1. Access the activity as follows:

Easy Access Menu

(SAP EWM) Transaction Code

► *Tools* ► *ALE* ► *ALE* **SM59**
Administration ► *Runtime*
Settings ► *Maintain RFC*
Destinations ►

2. On the *Configuration of RFC Connections* screen, expand the *ABAP Connections* folder. select the RFC connection created in the step 3.4 Configure an RFC Destination in the calling SAP EWM System, and then choose *Change*.
3. Navigate to the *Logon & Security* tab and make the following entries:

Field name	User action and default values
Logon&Security	
User	<COM247SID001>
Password	<Communication User Password> (As defined in step 4.1 Create Technical Communication User)

4. Save your entries.
5. Select the *Connection Test* button to check SAP connection.

6 Data Replication Framework

6.1 Define Filter Criteria - Logistics - Extended Warehouse Management Integration

Use

You can use this application to define filter criteria that restrict data replication to the SAP EWM system: for example, to replicate supplier data for just one group of suppliers.

Prerequisite

In order to carry out the following activity, a business user with a business role must exist. The business role SAP_BR_ADMINISTRATOR_DATA_REPL (Administrator Data Replication) is required.

Procedure

1. Log on to the SAP Fiori launchpad in the SAP S/4HANA Cloud Public Edition system.
2. Open the *Define Filter Criteria* app.
3. On the *Define Filter Criteria* screen, select *Define New Query*.
4. Select Object Type: *Many Replication Models and Business Objects*.
5. Select Existing Query as Template: *Query by Replication Model -All Replication Models*.
6. Select *Next* button.
7. On Define New Query screen, in field Replication Model select your newly created Replication Model.
8. Select *Next* button.
9. On Define New Query screen, enter a Query Description.
10. Select *Finish* button.
11. On the *Define Filter Criteria* screen, select the query that you just created.
12. On the *Define Filter Criteria* screen, select *Replication Model EWM Integration Business Object Material* checkbox.
13. On the *Define Filter Criteria* screen, choose *Create*.

14. On the [Create Filter Criteria](#) screen, make the following entries:

⚠ Caution

You must enter the [Attribute Field](#) **Warehouse Number** to the filter criteria:

[Filter Criteria to Include Business Objects](#)

1st Column (Attribute Field)	2nd Column (Operator Field)	3rd Column (Value Field)	Note
Warehouse Number	is	103	Choose the warehouse number which is managed by the SAP EWM system. The warehouse number is a mandatory attribute. Choose the plus icon to create additional lines, if applicable.
Material	is	TG11	Choose the plus icon to create additional lines, if applicable.
Material	is	TG21	Choose the material TG21 for batch management sample data Choose the plus icon to create additional lines, if applicable.
Material	is	SG124	Choose the material SG124 for the production integration sample data. SG124 is the header material of the bill of material. Choose the plus icon to create additional lines, if applicable.
Material	is	RM124	Choose the material RM124 for the production integration sample data. RM124 is the component material of the bill of material.

📌 Note

Enter the warehouse number(s) of your SAP S/4HANA Cloud Private Edition system that you configure.

If you set up an SAP Best Practices Demo system you can use the following warehouse numbers:

103 for DE version

173 for US version

##3 for another country version, where you replace **##** with the corresponding country identifier.

If you want to implement stock transfer processes between plants and the assigned warehouses you also need to add the additional warehouse(s) **104** or **174**.

15. Save your entries and go back to the *Define Filter Criteria screen*.
16. *On the Define Filter Criteria screen, select Replication Model EWM Integration Business Object Customer checkbox*
17. *On the Define Filter Criteria screen, choose Create.*
18. *On the Create Filter Criteria screen, make the following entries:*

Note

Filter Criteria to Include Business Objects

1st Column (Attribute Field)	2nd Column (Operator Field)	3rd Column (Value Field)	Note
Customer	is	10100003	
Customer	is	10411010	Customer representing the plant 1010
Customer	is	10411020	Customer representing the plant 1020 if you want to implement the stock transfer process between plants

Note

You can of course add more customers and choose other selection criteria.

Enter the customer number(s) of your SAP S/4HANA Cloud Private Edition system that you configure.

If you set up an SAP Best Practices Demo system you can use the following customer numbers:

10100003 for DE version

17100003 for US version

##100003 for another country version, where you replace ## with the corresponding country identifier.

Customer representing the plant

10411010 for DE version

17411710 for US version

##41##10 for another country version, where you replace ## with the corresponding country identifier.

Caution

If you use Filter Criteria to include Business Objects and choose the options *Customer* and *contains your input*, you must use the asterisk character as prefix and suffix.

Table 2: Example

1st Column (Attribute Field)	2nd Column (Operator Field)	3rd Column (Value Field)
<i>Customer</i>	<i>contains</i>	<i>*103*</i>

19. Save your entries and go back to the *Define Filter Criteria* screen.
20. On the *Define Filter Criteria* screen, select *Replication Model EWM Integration Business Object Supplier* checkbox
21. On the *Define Filter Criteria* screen, choose *Create*.
22. On the *Create Filter Criteria* screen, make the following entries:

Note

Filter Criteria to Include Business Objects

1st Column (Attribute Field)	2nd Column (Operator Field)	3rd Column (Value Field)	Note
Supplier	is	10300001	Choose the plus icon to create additional lines.
Supplier	is	10411010	Supplier representing the plant 1010
Supplier	is	10411020	Supplier representing the plant 1020 if you want to implement the stock transfer process between plants

Note

You can of course add more suppliers and choose other selection criteria.

Enter the supplier number(s) of your SAP S/4HANA Cloud Private Edition system that you configure.

If you set up an SAP Best Practices Demo system you can use the following supplier numbers:

10300001 for DE version

17300001 for US version

##300001 for another country version, where you replace ## with the corresponding country identifier.

Supplier representing the plant

10411010 for DE version

17411710 for US version

##41##10 for another country version, where you replace ## with the corresponding country identifier.

23. Save your entries and go back to the *Define Filter Criteria* screen.
24. On the *Define Filter Criteria* screen, select *Replication Model EWM Integration Business Object Class* checkbox

Note

Select the *Business Object Characteristic* checkbox only if you want to transfer batch classdata to the target SAP EWM system.

25. On the *Define Filter Criteria* screen, choose *Create*.
26. On the *Create Filter Criteria* screen, make the following entries:
Filter Criteria to Include Business Objects

1st Column (Attribute Field)	2nd Column (Operator Field)	3rd Column (Value Field)	Note
Class	is	YB_BATCH	

27. Save your entries and go back to the *Define Filter Criteria* screen.
28. On the *Define Filter Criteria* screen, select *Replication Model EWM Integration Business Object Characteristic* checkbox

Note

Select the *Business Object Characteristic* checkbox only if you want to transfer batch characteristic data to the target SAP EWM system.

29. On the *Define Filter Criteria* screen, choose *Create*.
30. On the *Create Filter Criteria* screen, make the following entries:

Caution

As a prerequisite: In the *Manage Classes* app, select the EWM relevant checkbox for all characteristics in the batch class that you want to transfer to the target SAP EWM system.

Filter Criteria to Include Business Objects

1st Column (Attribute Field)	2nd Column (Operator Field)	3rd Column (Value Field)	Note
Characteristic Name	is	YB_BATCH_NUMBER	Choose the plus icon to create additional lines.
Characteristic Name	is	LOBM_LICHA	

31. Save your entries and go back to the *Define Filter Criteria* screen.
32. On the *Define Filter Criteria* screen, select *Replication Model EWM Integration Business Object Classification (ERP/ALE)* checkbox

Note

Select the *Business Object Characteristic* checkbox only if you want to transfer batch classdata to the target SAP EWM system.

33. On the *Define Filter Criteria* screen, choose *Create*.

34. On the [Create Filter Criteria](#) screen, make the following entries:
[Filter Criteria to Include Business Objects](#)

1st Column (Attribute Field)	2nd Column (Operator Field)	3rd Column (Value Field)	Note
Class	is	YB_BATCH	

35. Save your entries and go back to the [Define Filter Criteria screen](#).
36. On the [Define Filter Criteria](#) screen, select [Replication Model EWM Integration Business Object Batch](#) checkbox.

Note

Select the [Business Object Batch](#) checkbox only if you want to transfer batch data to the target SAP EWM system.

37. On the [Define Filter Criteria](#) screen, choose [Create](#).
38. On the [Create Filter Criteria](#) screen, make the following entries:
[Filter Criteria to Include Business Objects](#)

1st Column (Attribute Field)	2nd Column (Operator Field)	3rd Column (Value Field)	Note
Material	is	TG21	Choose the materials for which batch data shall be transferred to the target SAP EWM system. Choose the plus icon to create additional lines, if applicable.

39. Save your entries and go back to the [Define Filter Criteria screen](#).

6.2 Replicate by Replication Model

Use

You can use this application to immediately start the initial data replication.

Note

Do **not** use the app [Replicate by Object Selection](#) for initial data replication.

Prerequisite

In order to carry out the following activity, a business user with a business role must exist. The business role SAP_BR_ADMINISTRATOR_DATA_REPL (Administrator Data Replication) is required.

Procedure

1. Log on to the SAP Fiori launchpad in the SAP S/4HANA Cloud Public Edition system.
2. Open the *Replicate by Replication Model* app.
3. On the *Replicate by Replication Model* screen from the *Replication Model* drop-down list box, choose **EWM Integration**.
4. On the *Replicate by Replication Model* screen under *Replication Mode*, select *Initialization* radio button.
5. On the *Replicate by Replication Model* screen, choose *Replicate*.

Caution

Do not deselect any Business Objects under Select Business Objects to be Replicated

7 Configuration after Integration

7.1 Mandatory Settings

Use

The steps included in this chapter are mandatory for setting up your own warehouse in the SAP EWM on-premise system.

7.1.1 Change Identification Categories

Context

Not all Identification number information for the business partner can be replicated to via DRF. It is required to manually add the identification number in the business partner data. In order to do so, the identification category such as CRM002 and CRM004 need to be modified so it is editable in transaction BP.

Procedure

1. Access the activity as follows:

IMG Menu

(SAP EWM)

Transaction Code

► [Cross-Application](#) **SPRO**
[Components](#) ► [SAP](#)
[Business Partner](#)
► [Business Partner](#) ► [Basic](#)
[Settings](#) ► [Identification](#)
[Numbers](#) ► [Define](#)
[Identification Categories](#) ►

2. Confirm the message *Caution: The table is cross-client*.
3. Choose the entry for **CRM002** and **CRM004**, remove the mark in column *Disp.Only*
4. Choose *Save*.

7.1.2 Maintain Business Partner for Plant

Note

Check following steps. If they are available then you can go ahead, if not you must create this settings first.

Context

You can use this procedure to create a business partner for each plant in SAP S/4HANA Cloud Public Edition and used in the SAP EWM system.

Prerequisites

The data for the business partner representing the plant has been transferred from the SAP S/4HANA Cloud Public Edition system using the DRF (Data Replication Framework).

Procedure

1. Access the activity as follows:

Easy Access Menu

(SAP EWM) Transaction Code

► *SCM Extended* **BP**
Warehouse Management
 ► *Extended Warehouse*
Management ► *Master*
Data ► *Maintain Business*
Partner ►

2. On the *Maintain Business Partner* screen, in the *Business Partner* field enter **10411010** and then choose *Enter*.
3. On the *Display Organization: 10411010* screen, choose *Switch between Display and Change (F6)*.
4. On the *Change Organization: 10411010* screen, in the *Identification* tab, in the *Identification Numbers* section, enter:

IDType	Description	Identification number	Responsible Institution
CRM002	R/3 Customer Number	1	<SAP S/4HANA Cloud Public Edition Logical Sys- tem>
CRM004	R/3 Vendor Number	2	<SAP S/4HANA Cloud Public Edition Logical Sys- tem>
CRM011	R/3 Plant Number	3	<SAP S/4HANA Cloud Public Edition Logical Sys- tem>

5. Choose *Save*.

Note

If you set up an SAP Best Practices Demo system you can use the following Business Partner numbers:

0010411010 for DE version

0017411710 for US version

00##41##10 for another country version, where you replace ## with the corresponding country identifier.

If you want to implement stock transfer processes between two plants and the corresponding warehouses you can repeat the steps above with the following Business Partner numbers:

0010411020 for DE version

0017411720 for US version

00##41##20 for another country version, where you replace ## with the corresponding country identifier.

7.1.3 Assign Warehouse Numbers

1. Access the activity as follows:

IMG Menu (SAP EWM)

► [SCM Extended Warehouse Management](#)
► [Extended Warehouse Management](#) ► [Master Data](#)
► [Assign Warehouse Numbers](#) ►

Transaction Code SPRO

2. In the [Determine Work Area: Entr](#) dialog box, enter:

Warehouse No. 1030

3. Choose [Continue](#).
4. On the [Change View "Assignment: Warehouse Number/Business Partner": Overview](#) screen, choose [New Entries](#).
5. On the [New Entries: Details of Added Entries](#) screen, in the [Assignments: Warehouse Number/Business Partner](#) section, enter:

Supply Chain Unit	Custodian	Dflt Pty Entld	Default Ship-To
YWAREHOUSE - 1030	10411010	10411010	

6. Choose [Save](#).

Note

If you set up an SAP Best Practices Demo system you can use the following Warehouse Number/SCU/Custodian/Default Party Entitled to Dispose combinations:

Warehouse No.	Supply Chain Unit	Custodian	Dflt Pty Entld	Remark
1030	YWAREHOUSE - 1030	0010411010	0010411010	DE, 1st warehouse
1730	YWAREHOUSE - 1730	0017411710	0017411710	US, 1st warehouse
XX30	YWAREHOUSE - XX30	00XX41XX10	00XX41XX10	Other country, 1st warehouse
1040	YWAREHOUSE - 1040	0010411020	0010411020	DE, 2nd warehouse
1740	YWAREHOUSE - 1740	0017411720	0017411720	US, 2nd warehouse
XX40	YWAREHOUSE - XX40	00XX41XX20	00XX41XX20	Other country, 2nd warehouse

7.2 Optional Settings

Use

The steps included in this chapter are optional – can be used as a reference – for setting up your own warehouse in the SAP EWM on-premise system.

The steps described below uses warehouse number 1030 as an example. If you set up an SAP Best Practices Demo system you can use the following warehouse numbers:

📘 Note

1030 for DE version

1730 for US version

##30 for another country version, where you replace **##** with the corresponding country identifier.

If you want to implement stock transfer processes between two plants and the corresponding warehouses you can additionally create the settings using the following warehouse numbers:

1040 for DE version

1740 for US version

##40 for another country version, where you replace **##** with the corresponding country identifier.

7.2.1 Warehouse Structure

7.2.1.1 Define Storage Type

Use

The purpose of this activity is to create storage types for the warehouse 1030.

Procedure

1. Access the activity as follows:

IMG Menu

(SAP EWM)

Transaction Code

► [SCM Extended Warehouse Management](#) ► [Extended Warehouse Management](#) ► [Master Data](#) ► [Define Storage Type](#) ►

SPRO

2. On the Change View "Storage Type Definition": Overview screen, choose [New Entries](#).
3. On the [New Entries: Details of Added Entries](#) screen, create the following entries:

Storage Type Y001

Procedure

1. In the top section, enter:

Warehouse No.	Storage Type	Storage Type
1030	Y001	General Storage

2. In the [General](#) section, enter:

Storage Type Role	HU Requirement
_ Standard Storage Type	X HU Requirement

3. In the [Putaway Control](#) section, enter:

Conf. Putaway	Stor.Ctrl / Put.Com pl.	Putaway Rules	Delete Stock Identification	Mixed Storage	Mix. Stck. Types	Mixed Storage in HU	Mixed Owners	Mix. Parties Ent.	Mix. Insp. Docs.	Mix. Sp. Stocks.
[X]	[X]	5 Empty Bin	[X]		[X]	1 Mixed Storage Not Allowed	[X]	[X]	[X]	[X]

4. In the *Stock Removal Control* section, enter:

Confirm Removal	[X]
HU Picking Ctrl. 2 Warehouse Process Type Controls Proposal for Destination HU	

5. In the *Goods Movement Control* section, enter:

Availability Group	Mandatory	No GI
002	[X]	[X]

6. Choose *Next Entry (F8)*.

Storage Type Y002

Procedure

1. In the top section, enter:

Warehouse No.	Storage Type	Storage Type
1030	Y002	General Storage Picking Area

2. In the *General* section, enter:

Storage Type Role	HU Requirement
_ Standard Storage Type	X HU Requirement

3. In the *Putaway Control* section, enter:

Conf. Putaway	Stor.Ctrl / Put.Com pl.	Putaway Rules	Delete Stock Identification	Mixed Storage	Mix. Stck. Types	Mixed Storage in HU	Mixed Owners	Mix. Parties Ent.	Mix. Insp. Docs.	Mix. Sp. Stocks.
[X]	[X]	5 Empty Bin	[X]		[X]	1 Mixed Storage Not Allowed	[X]	[X]	[X]	[X]

4. In the *Stock Removal Control* section, enter:

Confirm Removal [X]

HU Picking Ctrl. 2 Warehouse Process Type Controls Proposal for Destination HU

5. In the *Goods Movement Control* section, enter:

Availability Group	Mandatory	No GI
002	[X]	[X]

6. Choose *Next Entry (F8)*.

Storage Type Y381

Procedure

1. In the top section, enter:

Warehouse No.	Storage Type	Storage Type
1030	Y381	Packing

2. In the *General* section, enter:

Storage Type Role	HU Requirement	Do Not Ex- plode Prod.
E Work Center	X	[X]

3. In the *Putaway Control* section, enter:

Conf.Putaway	Putaway Rules	Ca- pacity Check
X	4 General Storage Area	4 No Check Again st Key Figur e, Weigh t and Volum e

4. In the *Stock Removal Control* section, enter:

Confirm Removal

X

5. Choose *Next Entry (F8)*.

Storage Type Y8401

Procedure

1. In the top section, enter:

Warehouse No.	Storage Type	Storage Type
1030	Y840	Scrapping

2. In the *General* section, enter:

Storage Type Role

E Work Center

3. In the *Putaway Control* section, enter:

Putaway Rules	Delete Stock Identification	Capacity Check	QntAddnStk alt. UoM.
4 General Storage Area	X	4 No Check Against Key Figure, Weight, and Volume	2 Allowed - Manage Stock in BUoM only

4. In the *Stock Removal Control* section, enter:

Confirm Removal	HU Picking Ctrl
X	2 Warehouse Process Type Controls Proposal for Destination HU

5. Choose *Next Entry (F8)*.

Storage Type Y901

Procedure

1. In the top section, enter:

Warehouse No.	Storage Type	Storage Type
1030	Y901	Provide in Goods Receipt

2. In the *General* section, enter:

Storage Type Role
I Work Center in Staging Areas Group

3. In the *Putaway Control* section, enter:

Conf.Putaway	Putaway Rules	Capacity Check
[X]	4 General Storage Area	4 No Check Against Key Figure, Weight, and Volume

4. In the *Stock Removal Control* section, enter:

Confirm Removal	HU Picking Ctrl
X	2 WPT controls Proposal for Picking HU

- Choose *Next Entry (F8)*.

Storage Type Y920

Procedure

- In the top section, enter:

Warehouse No.	Storage Type	Storage Type
1030	Y920	Provide in Goods Receipt

- In the *General* section, enter:

Storage Type Role	HU Require- ment	Do Not Ex- plode Prod.
I Work Center in Staging Areas Group		[X]

- In the *Putaway Control* section, enter:

Conf.Putaway	Putaway Rules	Capacity Check
[X]	4 General Storage Area	4 No Check Against Key Figure, Weight, and Volume

- In the *Stock Removal Control* section, enter:

Confirm Removal
X

- Choose *Next Entry (F8)*.

Storage Type Y970

Procedure

1. In the top section, enter:

Warehouse No.	Storage Type	Storage Type
1030	Y970	Clarification Zone

2. In the *General* section, enter:

Storage Type Role	HU Require- ment	Do Not Ex- plode Prod.
I Work Center in Staging Areas Group		[X]

3. In the *Putaway Control* section, enter:

Conf.Putaway	Putaway Rules	Capacity Check
[X]	4 General Storage Area	4 No Check Against Key Figure, Weight, and Volume

4. In the *Stock Removal Control* section, enter:

Confirm Removal
X

5. Choose *Save (Ctrl+S)*.

7.2.1.2 Define Storage Sections

Context

The purpose of this activity is to define storage sections for the corresponding storage types.

Procedure

1. Access the activity as follows:

IMG Menu

(SAP EWM)

Transaction Code

► [SCM Extended Warehouse Management](#) ► [Extended Warehouse Management](#) ► [Master Data](#) ► [Define Storage Section](#) ►

SPRO

2. On the [Change View "Storage Sections": Overview](#) screen, choose [New Entries](#).
3. Create these entries:

WhN	Typ	Sec	Description
1030	Y001	YS00	General Storage
1030	Y002	YS00	General Storage Picking Area
1030	Y831	YS10	Packing - Outgoing
1030	Y831	YS2I	Packing - Incoming
1030	Y840	YS00	Scrapping
1030	Y910	YI00	Inbound Staging
1030	Y920	Y000	Outbound Staging
1030	Y970	YS00	Clarification

4. Choose Save .

7.2.1.3 Activities and Activity Areas

7.2.1.3.1 Define Activities

Context

In this IMG activity you define activities for your own warehouse. You must assign an internal warehouse process category to each activity.

Procedure

1. Access the activity as follows:

IMG Menu

(SAP EWM)

Transaction Code

► [SCM Extended Warehouse Management](#) ► [Extended Warehouse Management](#) ► [Master Data](#) ► [Activity Areas](#) ► [Activities](#) ► [Define Activities](#) ►

SPRO

2. On the [Change View "Define Activity": Overview](#) screen, choose [New Entries](#).

Warehouse No.	Activity	Description	Process Cat.	Process Step
1030	INTL	Internal Movement	3	
1030	INVE	Physical Inventory	4	
1030	PICK	Stock Removal	2	
1030	PTWY	Putaway	1	
1030	REPL	Replenishment	3	
1030	STCH	Posting Change	7	

3. Choose [Save](#).

7.2.1.3.2 Generate Activity Areas from Storage Type

Use

The purpose of this activity is to generate activity areas for the corresponding storage types.

Procedure

1. Access the activity as follows:

IMG Menu

(SAP EWM)

Transaction Code

► *SCM Extended Warehouse Management* ► *Extended Warehouse Management*
► *Master Data* ► *Activity Areas*
► *Generate Activity Area from Storage Type* ►

SPRO

2. On the **/SCWM/R_AREA_LGTYP_CREATE** screen, run the generation report for the below mentioned combinations of warehouse number and storage type. Do this for each combination one after another:

Note

If you do not specify an "Activity" explicitly, the system automatically generates activities areas **for all activities** you have defined in the previous step. This is what you should do. Combinations not needed will be deleted later.

Warehouse Number	Storage Type	Activity	Description (generated by system)
1030	Y001		Gen. Activity Area for Storage Type Y001
1030	Y002		Gen. Activity Area for Storage Type Y002
1030	Y831		Gen. Activity Area for Storage Type Y831
1030	Y840		Gen. Activity Area for Storage Type Y840
1030	Y910		Gen. Activity Area for Storage Type Y910

Warehouse Number	Storage Type	Activity	Description (generated by system)
1030	Y920		Gen. Activity Area for Storage Type Y920
1030	Y970		Gen. Activity Area for Storage Type Y970

3. Enter the first combination of Warehouse Number and Storage Type
4. Choose *Execute (F8)*
5. A message appears like: Activity area data successfully generated for storage type <1030>.
6. Repeat step 4 and 5 for all other combinations of Warehouse Number and Storage Type from the table above.

📘 Note

Once you have generated an Activity Area for all activities, a generic sort sequence is automatically created for every **combination of storage types**:

- Y001
- Y002
- Y831
- Y840
- Y910
- Y920
- Y970

and **activities**:

- INTL
- INVE
- PICK
- PTWY
- REPL
- STCH

7.2.1.3.3 Assign Storage Bins to Activity Areas

Context

The purpose of this activity is to assign storage bins to the newly created Activity Areas.

Procedure

1. Access the activity as follows:

IMG Menu

(SAP EWM)

Transaction Code

► *SCM Extended Warehouse Management* ► *Extended Warehouse Management*
 ► *Master Data* ► *Activity Areas*
 ► *Assign Storage Bins to Activity Areas* ►

SPRO

2. On the *Change View "Activity Area": Overview* screen, check the following entries:

Ware

hous

e

Num-

ber

Ac-
tivity
Area

Seq.
No

Storage Type

Aisle
Star
t

Aisle
End

Stac
k
Star
t

Stac
k
End

Leve
l
Star
t

Leve
l
End

1030 Y001 YS00 Y001

1030 Y002 YS00 Y002

1030 Y831 YS10 Y831

1030 Y831 YS2I Y831

1030 Y840 YS00 Y840

1030 Y910 YI00 Y910

1030 Y920 Y000 Y920

1030 Y970 YS00 Y970

3. Choose Save .

7.2.1.3.4 Define Sort Sequence for Activity Area

Procedure

IMG Menu

(SAP EWM)

Transaction Code

► *SCM Extended Warehouse Management* ► *Extended Warehouse Management* ► *Master Data* ► *Activity Areas* ► *Define Sort Sequence for Activity Area* ►

SPRO

1. Delete the following entries

Warehouse Number	Activity Area	Activity
1030	Y105	INVE
1030	Y915	INVE

2. Update the following entries:

Ware-house Number	AA	Activity	Se-quenc e No.	Storage Type	Sort Sequence	PickMode
1030	Y105	INTL	1	Y105	1 Sort Sequence: Stack, Level, Bin Subdivision	_ No Specific Division by Stack
1030	Y105	PICK	1	Y105	1 Sort Sequence: Stack, Level, Bin Subdivision	_ No Specific Division by Stack
1030	Y105	PTWY	1	Y105	1 Sort Sequence: Stack, Level, Bin Subdivision	_ No Specific Division by Stack
1030	Y105	REPL	1	Y105	1 Sort Sequence: Stack, Level, Bin Subdivision	_ No Specific Division by Stack

Ware-house Number	AA	Activity	Se- quenc e No.	Storage Type	Sort Sequence	PickMode
1030	Y105	STCH	1	Y105	1 Sort Sequence: Stack, Level, Bin Subdivision	_ No Specific Division by Stack
1030	Y915	INTL	1	Y915	1 Sort Sequence: Stack, Level, Bin Subdivision	_ No Specific Division by Stack
1030	Y915	PICK	1	Y915	1 Sort Sequence: Stack, Level, Bin Subdivision	_ No Specific Division by Stack
1030	Y915	PTWY	1	Y915	1 Sort Sequence: Stack, Level, Bin Subdivision	_ No Specific Division by Stack
1030	Y915	REPL	1	Y915	1 Sort Sequence: Stack, Level, Bin Subdivision	_ No Specific Division by Stack
1030	Y915	STCH	1	Y915	1 Sort Sequence: Stack, Level, Bin Subdivision	_ No Specific Division by Stack

3. Choose [Save](#)

7.2.1.4 Settings for Storage Bins

Use

The purpose of this activity is to create storage bin types and storage bin structures (templates).

You can create single storage bins manually, or you can create multiple bins at one time using a storage bin template. You use the functionality for bin generation in storage types with a large number of bins.

7.2.1.4.1 Define Storage Bin Types

Procedure

1. Access the activity as follows:

IMG Menu

(SAP EWM)

Transaction Code

► [SCM Extended Warehouse Management](#) ► [Extended Warehouse Management](#) ► [Master Data](#) ► [Storage Bins](#) ► [Define Storage Bin Types](#) ►

SPRO

2. On the [Change View "Storage Bin Types": Overview](#) screen, choose [New Entries](#) and create the following entries

⚠ Caution

Decimal Notation:

The figures for volume and weight below are noted in the common **US decimal notation** format using the "," (**comma**) to **separate thousands** and using "." (**period**) to **separate decimals**.

Check whether your user settings are set to US or another decimal notation. It would lead to wrong results if you enter the figures given here in a system set to another decimal notation.

In case you change your user settings, **log off and log on again**.

Whse No.	Storage Bin Type	Description	Max. Weight	Weight Unit	Max. Volume	Vol Unit	Max. Capacity
1030	YGS1	General Storage Bin					

3. Choose [Save after each row](#).
4. Save your entries.

7.2.1.4.2 Define Bin Access Types

Procedure

1. Access the activity as follows:

IMG Menu

(SAP EWM)

Transaction Code

► [SCM Extended Warehouse Management](#) ► [Extended Warehouse Management](#) ► [Master Data](#) ► [Storage Bins](#) ► [Define Bin Access Types](#) ►

SPRO

2. On the [Change View "Bin Access Types": Overview](#) screen, choose [New Entries](#) and create the following entries:

Warehouse Number	Access Type	Description
1030	YFL1	Access by Forklift
1030	YHR1	Access by Human Picker

3. Save your entries.

7.2.1.4.3 Define Storage Bin Identifiers for Storage Bin Structures

Procedure

1. Access the activity as follows:

IMG Menu	Transaction Code
(SAP EWM)	
 SCM Extended Warehouse Management > Extended Warehouse Management > Master Data > Storage Bins > Define Storage Bin Identifiers for Storage Bin Structures 	SPRO

- On the [Change View "Storage Bin Identifier": Details](#) screen, choose [New Entries](#) and create the following entry:

Warehouse No.	Aisle ID	Stack De- scriptn	Level De- scriptn	ID for Bin Sub- divsn	Bin Depth Indicato
1030	A	S	L	B	D

- Save** your entries.

7.2.1.4.4 Define Storage Bin Structure

The following table provides an overview, which bins need to be created manually and which can be generated by template definition delivered by SAP:

Storage Type / Details	Storage Bin Creation
Y001 General Storage	Generate via template 001
Y002 General Storage Picking Area	Generate via template 002

Procedure

- Access the activity as follows:

IMG Menu	Transaction Code
(SAP EWM)	
 SCM Extended Warehouse Management > Extended Warehouse Management > Master Data > Storage Bins > Define Storage Bin Structure 	SPRO

- On the Change View "Storage Bin Generation": Overview screen, choose *New Entries* and create the following entries:

⚠ Caution

Decimal Notation:

The figures for volume and weight below are noted in the common **US decimal notation** format using the "," (comma) to **separate thousands** and using "." (period) to **separate decimals**.

Check whether your user settings are set to US or another decimal notation. It would lead to wrong results if you enter the figures given here in a system set to another decimal notation.

In case you change your user settings, **log off and log on again**.

Template 001

Procedure

- In the header, enter:

Warehouse No.	Sequence number
1030	001

- In the *Bin Definition* section, enter:

Template	Structure	Start Value	End Value	Increment
CCCCNNCNCNNCCCCC	AA SS LL	001.01.01.01	001.01.16.03	01 01 01

- In the *Additional Data* enter:

Storage Type	Storage Section	Stor. Bin Type	Bin Access Type	Maximum Weight	Max. Volume	Total Capacity	Fire-Cont.S ect.	Storage Group
Y001	YS00 (General Storage)	YGS1	YFL1					

- Choose *Next Entry (F8)*

Template 002

Procedure

1. In the header, enter:

Warehouse No.	Sequence number
1030	002

2. In the *Bin Definition* section, enter:

Template	Structure	Start Value	End Value	Increment
CCCCNNCNCNNCCCCC	AA SS LL	002.01.01.01	002.01.04.03	01 01 01

3. In the *Additional Data* section, enter:

Storage Type	Storage Section	Stor. Bin Type	Bin Access Type	Maximum Weight	Max. Volume	Total Capacity	Fire-Cont.S ect.	Storage Group
Y002	YS00 (General Storage)	YGS1	YFL1					

4. Choose *Save*.
5. Check the Bin Structures again before actually generating bins.
6. It's highly recommended you again compare your entries in the system to the values given in the Configuration Guide again before you generate the bins.

⚠ Caution

Check the Bin Structures again before actually generating bins.

It's highly recommended you again compare your entries in the system to the values given in the Configuration Guide again before you generate the bins.

7.2.1.4.5 Generate Storage Bins

Procedure

1. Access the activity as follows:

IMG Menu

(SAP EWM)

Transaction Code

► [SCM Extended Warehouse Management](#) ► [Extended Warehouse Management](#)
► [Master Data](#) ► [Storage Bins](#)
► [Generate Storage Bins](#) ►

2. In the [Determine Work Area: Entry](#) dialog box, enter **1030** in the [Warehouse Number](#) field
3. Choose [Continue](#).
4. Remark: This dialog box might not always appear.
5. On the [Generate Storage Bins](#) screen, select the template <001>.
6. In the following steps you will go through all templates one after the other:

Whse No.	SqNo.	St. Type	St. Sec- tion	St. Bin Type	Bin Ac- cess Type	St.	Group	Comment
1030	001	Y001	YS00	YGS1	YFL1		General Storage (48 bins)	
1030	002	Y002	YS00	YGS1	YFL1		General Storage Picking Area (12 bins)	

7. Choose [Choose](#)
8. On the next [Generate Storage Bins](#) screen, choose [Create Bins](#).
9. On the [Generate Storage Bins](#) screen, in the To Generate tab you should see in brackets the number of bins that will be generated, for example, [To Generate \(60\)](#).
10. The planned number of bins to be generated per template is given in the table above in the "Comment" column.
11. Compare the number issued by the system with the number given in the table above for the respective Sequence/Template Number (001-002).
12. Do not create the bins if there is a deviation, but carefully check the template and correct any errors before you generate!!
13. Choose [Create](#).
14. In the [Create Storage Bins](#) dialog box Do you wish to create the bins?, choose [Yes](#).
15. The system creates the storage bins from the template.

16. You receive a system message xxx storage bins created. This number should be the same as in the table above (see "Comment").
17. Go [Back \(F3\)](#) to return to the template selection screen.
18. Repeat steps 4. to 16. for the remaining templates.

7.2.1.4.6 Manual Creation of Storage Bins

Procedure

1. Access the activity as follows:

IMG Menu

(SAP EWM)

Transaction Code

► [SCM Extended Warehouse Management](#) ► [Extended Warehouse Management](#)
 ► [Master Data](#) ► [Storage Bins](#)
 ► [Generate Storage Bins](#) ►

SPRO

2. On the [Create Storage Bin](#) screen, create storage bins as follows:
3. Enter [Warehouse No. 1030](#).
4. Use the values given in the tables below to create storage bins
5. Enter [Storage Bin](#): <see table>
6. Choose [Enter](#).
7. Enter [Storage Type](#): <see table>
8. Enter [Storage Section](#): <see table>
9. Choose [Save](#).
10. Message [Storage bin ...has been added](#) appears.
11. Repeat steps for the other bins given in the following table:

Field Name	1. Bin	2. Bin	3. Bin	4. Bin	5. Bin	6. Bin
Warehouse Number	1030	1030	1030	1030	1030	1030
Storage Bin	GR-YDI1	GI-YDO1	PACK-IN	PACK-OUT	970.00.00	SCRAP-ZONE
Storage Type	Y910	Y920	Y831	Y831	Y970	Y840
Storage Section	Y100	Y000	YS2I	YS10	YS00	YS00

7.2.1.4.7 Sort Storage Bins

Procedure

1. Access the activity as follows:

IMG Menu

(SAP EWM)

Transaction Code

► *SCM Extended Warehouse Management* ► *Extended Warehouse Management*
► *Master Data* ► *Storage Bins*
► *Sort Storage Bins* ►

SPRO

2. On the *Create Bin Sorting* screen, enter the following value:

Field Name	Input	Comment
Warehouse Number	1030	Your Warehouse Number
Activity Area		Leave blank
Activity		Leave blank

3. Choose *Execute (F8)*.
4. On the *Simulation of Bin Sorting* screen, choose *Create Bin Sorting (F8)*.
5. The system issues a message **Sorting created successfully**.

Note

If you set up an SAP Best Practices Demo system you can use the data :

Warehouse No. **1040** for DE version

1740 for US version

##40 for another country version, where you replace **##** with the corresponding country identifier.

7.2.1.4.8 Define Staging Areas

Use

The purpose of this activity is to create staging areas for the warehouse number 1030.

In the system, a staging area is defined by a storage type (called staging area group), a storage section (called staging area), and one or several storage bins (called staging bays).

Additionally, it must be defined as staging area in the system. A staging area can be assigned to one or several doors.

Procedure

1. Access the activity as follows:

IMG Menu

(SAP EWM)

Transaction Code

► [SCM Extended Warehouse Management](#) ► [Extended Warehouse Management](#) ► [Master Data](#) ► [Storage Bins](#) ► [Define Staging Areas](#) ►

2. On the [Change View "Define Staging Areas": Overview](#) screen, choose [New Entries](#) and create the following entries:

Warehouse Number	Staging Area Group	Staging Area	GR	GI	Loading Rule
1030	Y910		[X]		
1030	Y920			[X]	01 Loading Can Start When the First HU Has Arrived

3. Save your entries.

7.2.2 Settings for Warehouse Processes

7.2.2.1 Warehouse Order

7.2.2.1.1 Set up Control Parameters for Warehouse Order Creation

Procedure

1. Access the activity as follows:

IMG Menu (SAP EWM)

► SCM Extended Warehouse Management ► Extended Warehouse Management ► Settings ► Warehouse Order ► Set up Control Parameters for Warehouse Order Creation ►

Transaction Code

/SCWM/WOLOG

2. In the *Determine Work Area: Entry* dialog box, enter

Warehouse Number

1030

3. Choose *Continue*.
4. On the *Display View "Warehouse Number Level": Overview screen*, choose ► *Display* ► *Change* ►.
5. On the *Display View "Warehouse Number Level": Overview screen*, in the *Warehouse Number Level*, select this row:

Warehouse Number	Description	Log
1030	Warehouse Cross Industries	[]

6. Change that entry as follows:

Log

[X]

7. Choose *Save*.

7.2.2.1.2 Define Filters for Warehouse Order Creation Rules

Context

The filter for a warehouse order creation rule decides whether SAP Extended Warehouse Management (EWM) processes a warehouse task using a creation rule. Warehouse order creation uses the filters on all warehouse tasks that you have not yet assigned to a warehouse order, and which WO creation should process.

Procedure

1. Access the activity as follows:

IMG Menu

(SAP EWM)

Transaction Code

► *SCM Extended Warehouse Management* ► *Extended Warehouse Management* ► *Cross-Process Settings* ► *Warehouse Order* ► *Define Filters for Warehouse Order Creation Rules* ►

SPRO

2. On the *Change View "Warehouse Order : Filter for Rules" Details* screen, choose *New Entries* and create the following entry:

Field name	Entry Value	Comment
Warehouse Number	1030	
WOCRule Filter	YF01	
Description	Complete HU Withdrawal - AUoM=PAL	
Filter Type	_ Warehouse Task	
Filter Type	I Filter at Item Level	
Alternative Unit	PAL	
Complete HU	A Only Full Pallet Withdrawals	
No Putaway	[X]	

Field name	Entry Value	Comment
No Stock Removal	[]	
No Int. Stk Removal	[X]	
No Phys. Inv.	[X]	

- Choose Save.

Note

Depending on the warehouse number and the warehouse order creation rule filter, it is possible to define different filter criteria about which warehouse tasks can, and which warehouse tasks cannot pass the filter criteria into a warehouse order. The different filter criteria are for example volume, weight, wave category, warehouse process type, and so on.

7.2.2.1.3 Define Limit Values for the Size of a Warehouse Order

Procedure

- Access the activity as follows:

IMG Menu

(SAP EWM)

Transaction Code

► [SCM Extended Warehouse Management](#) ► [Extended Warehouse Management](#) ► [Cross-Process Settings](#) ► [Warehouse Order](#) ► [Define Limit Values for the Size of a Warehouse Order](#) ►

SPRO

- On the [Change View "Warehouse Order: Limit for Rules": Overview](#) screen, choose [New Entries](#).
- On the [New Entries](#) screen: [Details of Added Entries](#), create the following limits:

Table 3: Limit YPAL

Field Name	Entry Value
Warehouse No.	1030

Field Name	Entry Value
Limit	YPAL
Description	Full Pallet Move
Limit Val. Type	_ Warehouse Task
Min.Items/WO	1
Max. Itm per WO	1
Max. No. of HUs	1
Max. WTs per HU	1

- Choose Next Entry (F8) and create the next entry:

Table 4: Limit YPI1

Field Name	Entry Value
Warehouse No.	1030
Limit	YPI1
Description	Maximum 20 Physical Inventory Items
Limit Val. Type	A Physical Inventory
Min. Itm per WO	1
Max. Itm per WO	20

- Choose *Next Entry (F8)* and create the next entry
- Choose Save

7.2.2.1.4 Define Packing Profile for Warehouse Order Creation

Procedure

- Access the activity as follows:

IMG Menu

(SAP EWM)

Transaction Code

► [SCM Extended Warehouse Management](#) ► [Extended Warehouse Management](#) ► [Cross-Process Settings](#) ► [Warehouse Order](#) ► [Define Packing Profile for Warehouse Order Creation](#) ►

SPRO

2. On the [Change View "Packing Profile for Warehouse Order Creation": Overview](#) screen, choose [New Entries](#).
3. On the [New Entries: Details of Added Entries](#) screen, create this entry:

Field Name	Entry Value
Warehouse No.	1030
Packing Profile	YP01
Description	Picking into Wire Basket Trolley
Pack. Mode	A Simple Algorithm
Assn WTs to HUs	[X]
Split WT	Do Not Split

4. Create this entry:

Field Name	Entry Value
Warehouse No.	1030
Packing Profile	YP02
Description	Picking onto Pallet
Pack. Mode	A Simple Algorithm
Assn WTs to HUs	[X]
Split WT	Do Not Split

5. Choose [Save](#)

Note

Depending on the warehouse number and the packing profile, it is possible to control how the warehouse order creation determines pick handling units for a warehouse order.

7.2.2.1.5 Define Creation Rule for Warehouse Orders

Context

You define warehouse orders (WO) creation rules to group warehouse tasks (WT) into WOs, creating optimized work packages for the picker.

Procedure

1. Access the activity as follows:

IMG Menu	(SAP EWM)	SCM Extended Warehouse ManagementExtended Warehouse ManagementCross-Process Settings-Warehouse OrderDefine Creation Rule for Warehouse Orders
Transaction Code	SPRO	

2. On the [Change View "Warehouse Order Creation Rules": Overview](#) screen, choose [New Entries](#).
3. On the [New Entries: Details of Added Entries](#) screen, create the following entry:

Field Name	Entry Value
Warehouse No.	1030
WO Creatn Rule	YR01
Description	One WO per HU putaway
Creation Cat.	G Distributive Putaway
Item Filter	
Subtotal Filter	
Limit	
Inbound Sorting	
WO Sorting	
Packing Profile	
Ship.Pack.Prof.	

Field Name	Entry Value
Prep.Time	
Time Unit	MIN

4. Choose *Next Entry (F8)*

Field Name	Entry Value
Warehouse No	1030
W0 Creation Rule	YR02
Description	One W0 per WT - AUoM=PAL
Creation Cat.	B Pick Path
Item Filter	YF01
Subtotal Filter	
Limit	YPAL
Inbound Sorting	
W0 Sorting	
Packing Profile	YP02
Ship.Pack.Prof.	
Prep.Time	
Time Unit	MIN

5. Choose *Next Entry (F8)*

Field Name	Entry Value
Warehouse No.	1030
W0 Creation Rule	YR03
Description	One W0 for all WTs
Creation Cat.	B Pick Path
Item Filter	
Subtotal Filter	

Field Name	Entry Value
Limit	
Inbound Sorting	
W0 Sorting	
Packing Profile	
Ship.Pack.Prof.	
Prep.Time	
Time Unit	MIN

6. Choose *Next Entry (F8)*

Field Name	Entry Value
Warehouse No.	1030
W0 Creation Rule	YR04
Description	Replenishment to Picking Area
Creation Cat.	B - Pick Path
Item Filter	YF01
Subtotal Filter	
Limit	YPAL
Inbound Sorting	
W0 Sorting	
Packing Profile	YP02
Ship.Pack.Prof.	
Prep.Time	
Time Unit	MIN

7. Choose *Next Entry (F8)*

Field Name	Entry Value
Warehouse No.	1030

Field Name	Entry Value
W0 Creation Rule	YPI1
Description	W0 for 20 Physical Inventory Items
Creation Cat.	H Physical Inventory
Item Filter	
Subtotal Filter	
Limit	YPI1
Inbound Sorting	
W0 Sorting	
Packing Profile	
Ship.Pack.Prof.	
Prep.Time	
Time Unit	MIN

8. Choose *Next Entry (F8)*

Field Name	Entry Value
Warehouse No.	1030
W0 Creation Rule	YSC1
Description	Scrapping of Full Pallets
Creation Cat.	B Pick Path
Item Filter	
Subtotal Filter	
Limit	YPAL
Inbound Sorting	
W0 Sorting	
Packing Profile	
Ship.Pack.Prof.	
Prep.Time	

Field Name	Entry Value
Time Unit	MIN

9. Choose [Next Entry \(F8\)](#)

Field Name	Entry Value
Warehouse No.	1030
W0 Creation Rule	YSC2
Description	Scrapping of Loose Items
Creation Cat.	B Pick Path
Item Filter	
Subtotal Filter	
Limit	
Inbound Sorting	
W0 Sorting	
Packing Profile	YP01
Ship.Pack.Prof.	
Prep.Time	
Time Unit	MIN

10. Choose [Save](#)

7.2.2.1.6 Define Search Sequence of Creation Rules for Activity Areas

Procedure

1. Access the activity as follows:

IMG Menu

(SAP EWM)

Transaction Code

► SCM Extended Warehouse Management ► Extended Warehouse Management ► Cross-Process Settings ► Warehouse Order ► Define Search Sequence of Creation Rules for Activity Areas ►

SPRO

- In the *Change View "Warehouse Order: Search Sequence for Rules per Activity Areas"* screen, choose *New Entries* and create the following entries:

Warehouse Number	AA	Activity	Sequence No.	WOCR
1030	Y001	INVE	1	YPI1
1030	Y001	INVE	1	YR02
1030	Y001	INVE	1	YR04
1030	Y001	INVE	1	YSC1
1030	Y002	INVE	1	YPI1
1030	Y002	INVE	1	YR03
1030	Y002	INVE	1	YSC2

Note

Depending on the warehouse number, the activity area and the activity, the system determines a search sequence of creation rules for activity areas.

- Save (Ctrl+S)

7.2.2.2 Warehouse Task

7.2.2.2.1 Define Warehouse Process Type

Context

In this step, you create the process-specific warehouse process types (WPT)

Procedure

1. Access the activity as follows:

IMG Menu (SAP EWM)	Transaction Code
 SCM Extended Warehouse Management  Extended Warehouse Management  Cross-Process Settings  Warehouse Task  Define Warehouse Process Type 	SPRO

2. On the [Change View "Warehouse Process Type": Overview](#) screen, choose [New Entries](#).
3. On the [New Entries: Details of Added Entries](#) screen, enter one by one the Warehouse Process Types listed below:
4. Leave the fields empty, which are not listed below.

Note

Leave the fields empty, which are not listed below.

Warehouse Process Type Y012

Procedure

1. In the top section, enter:

Warehouse No.	Whse Proc. Type	Whse Proc. Type
1030	Y012	Putaway (Distributive)

2. In the *General Settings* section, enter:

Whse Proc. Cat.	Activity	Confirm Im- mediately	No Auto- matic Re- plenish- ment	WOCR Activity Area	Stock ID Control
1 Putaway	PTWY	[X]	[X]	1	A Stock Identification Only Destination if Externally Predetermined

3. In the *Settings for Storage Process* section, enter:

Deactivation Allowed	Strge Ctrl Relevance
[X]	3 Storage Control is Not Relevant

4. Choose *Next Entry (F8)*.

Warehouse Process Type Y114

Procedure

1. In the top section, enter:

Warehouse No.	Whse Proc. Type	Whse Proc. Type
1030	Y114	One-Step Putaway

2. In the *General Settings* section, enter:

Whse Proc. Cat.	Manual WT For- bidden	Activity	No Au- tomatic Replen- ishment	WO Rule	WOCR Activity Area	Stock ID Control	Availa- bility Group
1 Putaway	[X]	PTWY	[X]	YR01	1 Destination	A Stock Identi ficati on Only if Extern ally Predet ermine d	001 Goods in Putawa y (ROD)

3. In the [Control for Putaway/ Stock Removal](#) section, enter:

Source Stor.Ty.	Source Bin
Y910	GR-YDI1

4. In the [Settings for Storage Process](#) section, enter:

Deactivation Allowed	Strge Ctrl Relevance
[X]	3 Storage Control is Not Relevant

5. Choose [Next Entry \(F8\)](#).

Warehouse Process Type Y123

Procedure

1. In the top section, enter:

Warehouse No.	Whse Proc. Type	Whse Proc. Type
1030	Y123	Putaway from Clarification Zone

2. In the [General Settings](#) section, enter:

Whse Proc. Cat.	Manual WT Forbidden	Activity	No Automatic Replenishment	WO Rule	WOCR Activity Area	Stock ID Control
1 Putaway	[X]	PTWY	[X]	YR01	1 Destination	A Stock Identification Only if Externally Predetermined

3. In the *Control for Putaway/ Stock Removal* section, enter:

Source Stor.Ty.	Source Bin	Round Whole Units
Y910	970.00.00	2 Round Down WT Quantity to Single Unit

4. Choose *Next Entry (F8)*.

Warehouse Process Type Y214

Procedure

1. In the top section, enter:

Warehouse No.	Whse Proc. Type	Whse Proc. Type
1030	Y214	Putaway from Clarification Zone

2. In the *General Settings* section, enter:

Whse Proc. Cat.	Manual WT Forbidden	Activity
2 Stock Removal	[X]	PICK

3. In the *Control for Putaway/ Stock Removal* section, enter:

Round Whole Units

Control for HU Pick

1 Storage Type Decides

1 Propose source HU as destination HU

4. Choose *Next Entry (F8)*.

Warehouse Process Type Y311

Procedure

1. In the top section, enter:

Warehouse No.	Whse Proc. Type	Whse Proc. Type
1030	Y311	Repl. to General Storage Picking Area

2. In the *General Settings* section, enter:

Whse Proc. Cat.	Activity
3 Internal Warehouse Movement	REPL

3. In the *Control for Putaway/ Stock Removal* section, enter:

Round Whole Units

5 Round WT Quantity to Available Quantity

4. Choose *Next Entry (F8)*.

Warehouse Process Type Y340

Procedure

1. In the top section, enter:

Warehouse No.	Whse Proc. Type	Whse Proc. Type
1030	Y340	Repack

2. In the *General Settings* section, enter:

Whse Proc. Cat.	Activity	Confirm Immediately	Propose Confirmation	No Automatic Replenishment	Stock ID Control	Negative Stock
3 Internal Warehouse Movement	INTL	[X]	[X]	[X]	A Stock Identification Only if Externally Predetermined	A Stock Identification Only if Externally Predetermined

3. In the *Settings for Storage Process* section, enter:

Deactivation Allowed	Strge Ctrl Relevance
[X]	3 Storage Control is Not Relevant

4. Choose *Next Entry (F8)*.

Warehouse Process Type Y420

Procedure

1. In the top section, enter:

Warehouse No.	Whse Proc. Type	Whse Proc. Type
1030	Y420	Scrapping

2. In the *General Settings* section, enter:

Whse Proc. Cat.	Activity	No Automatic Replenishment
7 Posting Change	STCH	[X]

3. In the *Control for Putaway/ Stock Removal* section, enter:

Dest.Stor.Type	Destination Bin	Round Whole Units	Control for HU Pick
Y840	SCRAP-ZONE	1 Storage Type Decides	1 Propose source HU as destination HU

4. In the *Settings for Posting Change* section, enter:

Post. Change in Bin

2 Posting Change Never in Storage Bin (Create Warehouse Order)

5. Choose *Next Entry (F8)*.

Warehouse Process Type Y999

Procedure

1. In the top section, enter:

Warehouse No.	Whse Proc. Type	Whse Proc. Type
1030	Y999	Warehouse Supervision

2. In the *General Settings* section, enter:

Whse Proc. Cat.	Activity	Confirm Imme- diately	Propose Con- firmation	No Automatic Replenishment
3 Internal Warehouse Movement	INTL	[X]	[X]	[X]

3. In the *Settings for Storage Process* section, enter:

Deactivation Allowed

[X]

4. Choose *Save (Ctrl+S)*.

7.2.2.2.2 Determine Warehouse Process Type

Procedure

1. Access the activity as follows:

IMG Menu

(SAP EWM)

Transaction Code

► SCM Extended Warehouse Management ► Extended Warehouse Management ► Cross-Process Settings ► Warehouse Order ► Determine Warehouse Process Type ►

SPRO

2. On the *Change View "Determination of Warehouse Process Type": Overview* screen, choose *New Entries*.
3. On the *"New Entries: Overview of Added Entries":* screen, create the following entries:

Warehouse Number	Doc. Type	Item Type	Del.Prio.	ProType- Det	Process Ind.	WhsePrcType
1030	IRET				No Special Process	Y114

4. Choose Save.

Result

If you create an inbound delivery with document type IRET Warehouse process type Y114 is determined for the inbound delivery items in SAP Extended Warehouse Management (EWM).

7.2.3 Advanced Settings for Warehouse Processes

7.2.3.1 Update of Define Warehouse Number Control (Part 2)

Context

In this IMG activity, you define the basic data for a warehouse number for Extended Warehouse Management. For example, weight, volume, time & length units (already defined earlier), Default Storage Process Types for special activities, Determination Procedure for Condition Technique etc.

Note

You already maintained most of the parameters of section "Warehouse Number Control " in a previous step (3.3.3).

Procedure

1. Access the activity as follows:

IMG Menu (SAP EWM)	Transaction Code
 SCM Extended Warehouse Management  Extended Warehouse Management  Master Data  Define Warehouse Number Control 	SPRO

2. On the [Change View "Warehouse Number Control": Overview](#) screen, select the entry for warehouse number 1030
3. Choose [Details \(Ctrl+Shift+F2\)](#).
4. On the [Change View "Warehouse Number Control": Details](#) screen, update the following data:

Field name	User action and values	Comment
Warehouse Number Control		
...	...	
Replenishment St.Tpe	F2	
...	...	
Default Storage Process Types for Special Activities		
WPT Distr. Ptwy	Y012	
WPT HU on DestL		
WPT HU for Res.		
Repack WPT	Y340	
WPT Putback		
WPT Loading RF		
WPT UnldAddlHUs		
WPT Load. Rev. RF		
WPT HU with UKC		
Determination Procedures for Condition Technique		

Field name	User action and values	Comment
Proced. Whse-Int.Proc	OWHTA	
Pick HU Procedure	OBDL	
Palletization Proc.	OPAL	
Proc. Deconsolidation	ODKS	
CPRepl. Proced.		
PhysInv Print. Proc	0001	
Proc. Q. Qty		
External Systems		
Link to subsys.	_ Link not active	
Printer		
Ctrl CIF	1	
Travel Distance Calculation		
Activate Travel Distance Calculation	[]	
Euclidean	[]	

5. Choose [Save \(Ctrl+S\)](#).

7.2.3.2 Configuring Staging Area and Door Determination (Inbound)

Procedure

- 1.

Access the activity as follows:

Easy Access **(SAP EWM)**
Menu

► [SCM Extended Warehouse Management](#)
► [Extended Warehouse Management](#) ► [Settings](#)
► [Shipping & Receiving](#) [Staging Area and Door](#)
[Determination \(Inbound\)](#) ►

Transaction Code /SCWM/STADET_IN

2. On the Determine Work Area: Entry screen:

3. Enter 1030.

4. On the Change View "Staging Area and Door Determination (Inbound)": Overview screen, choose New Entries.

5. If the *Determine work Area: Entry* dialog box appears, enter

<i>Warehouse Number</i>	1030
-------------------------	-------------

6. On the New Entries: Details of Added Entries screen, create the following settings:

Whse Proc. Type	SA / DDet Grp	Seq.	HU Type	MTr	Carrier	StgAreaGrp	StgArea	Staging Bay	Whse Door
Y114		1				Y910		GR-YDI1	

7. Save your entries.

7.2.3.3 Access Sequence to Staging Areas and Door Determination

Procedure

1. Access the activity as follows:

[SAP Menu](#)

► [SCM Extended Warehouse Management](#) ► [Extended Warehouse Management](#) ► [Settings](#) ► [Shipping and Receiving](#) ► [Access Sequence to Staging Areas and Door Determination](#) ►

2. On the *Determine Work Area: Entry* screen, enter **1030**.
3. On the *Change View "Access Sequence for Staging Areas and Door Determination"* screen, choose *New Entries*.
4. On the *New Entries: Overview of the added entries* screen, create the following entries (the Acc.Sq.No. is filled automatically), in the order listed:

Directn	Acc.Sq.No.	Route	WhPrTyp	Door
I Inbound	1		[X]	
O Outbound	1		[X]	

5. Save your entries.

7.2.3.4 Main Settings for Handling Units

7.2.3.4.1 Define HU Type Groups

Procedure

Access the activity as follows:

IMG Menu	(SAP EWM)	SCM Extended Warehouse ManagementExtended Warehouse ManagementCross-Process Setting-sHandling UnitsBasicsDefine HU Type Groups
-----------------	------------------	--

Transaction Code SPRO

On the *Change View "Handling Unit Type Group Definition": Details* screen, choose *New Entries*.

On the *New Entries: Details of Added Entries* screen, enter:

Warehouse No.	1030
HU Type Group	YE00

Description Generic HU Type Group

Next Entry

On the *New Entries: Details of Added Entries* screen, enter

Warehouse No.	1030
HU Type Group	YE01
Description	Pallets

Save.

7.2.3.4.2 Define HU Types for Each Warehouse Number and Assign HU Type Group

Procedure

1. Access the activity as follows:

IMG Menu (SAP EWM)

► *SCM Extended Warehouse Management* ► *Extended Warehouse Management* ► *Cross-Process Settings* ► *Handling Units* ► *Basics* ► *Define HU Types for Each Warehouse Number and Assign HU Type Group* ►

<i>Transaction Code</i>	SPRO
-------------------------	-------------

2. On the *Change View "Handling Unit Types per Warehouse Number": Overview* screen, choose *New Entries*.
3. On the *New Entries: Details of Added Entries* screen, enter:

<i>Warehouse No.</i>	1030
<i>HU Type</i>	SN00
<i>HU Type Group</i>	YE00

4. Choose *Next Entry*.
5. On the *New Entries: Details of Added Entries* screen, enter:

<i>Warehouse No.</i>	1030
<i>HU Type</i>	SN01

6. Choose [Save](#).

7.2.3.4.3 Define HU Types for Each Storage Type

Procedure

1. Access the activity as follows:

[IMG Menu\(SAP EWM\)](#)

► [SCM Extended Warehouse Management](#) ► [Extended Warehouse Management](#) ► [Cross-Process Settings](#) ► [Handling Units](#) ► [Basics](#) ► [Define HU Types for Each Storage Type](#) ►

[Transaction Code](#)

SPRO

2. On the [Change View "HU Types per Storage Type": Overview](#) screen, choose [New Entries](#).
3. On the [New Entries: Overview of Added Entries](#) screen, enter.

WhN	Typ	HU Type
1030	Y001	YN01

4. Choose [Save](#).

7.2.3.4.4 Define Number Range for HU Identification

Procedure

1. Access the activity as follows:

IMG Menu	(SAP EWM)	► SCM Extended Warehouse Management
		► Extended Warehouse Management ► Cross-Process
		Settings ► Handling Units ► External Identification
		► Define Number Range for HU Identification ►

Transaction Code /SCWM/HUID

2. On the *Range Maintenance: HU Identification* screen, enter:

Warehouse No.	1030
---------------	------

3. Choose *Change Intervals*.

4. Enter these data into the new empty editable row:

No	From No.	To Number	Ext
01	00000000000000800000	00000000000000899999	[]

7.2.3.4.5 Assign Number Range Intervals to Packaging Material Types

Procedure

1. Access the activity as follows:

IMG Menu (SAP EWM)	► SCM Extended Warehouse Management ► Extended
	Warehouse Management – Cross-Process Settings
	► Handling Units ► External Identification ► Assign Number
	Range Intervals to Packaging Material Types ►

On the [Change View Interval for Handling Unit Number Range Interval: Overview](#) screen, choose [New Entries](#) and create the following entry:

Warehouse Number	PkMtT	IntInterval
1030	SP22	01
1030	SP32	01

2. Choose [Save \(Strg+S\)](#).

7.2.3.4.6 Define Number Range Object for SSCC

Use

Packaging material types YN01 and YN02 are setup to generate SSCC ("Standard Shipping Container Code) Identification Numbers. This number consists of different parts, incl. a generated variable part. The number range object you define here is to count up numbers for the variable part.

Procedure

1. Access the activity as follows:

[IMG Menu\(SAP EWM\)](#)

► [SCM Extended Warehouse Management](#) ► [Extended Warehouse Management](#) ► [Cross-Process Settings](#) ► [Handling Units](#) ► [External Identification](#) ► [SSCC Generation Acc. To EAN128](#) ► [Define Number Range Object for SSCC](#) ►

2. On the [Number Range Object Maintenance](#) screen, enter:

[Object](#)

[/SCWM/SSCC](#)

3. Choose [Interval Editing](#)
4. Choose [Change Intervals](#).

5. Create the following entries:

No	From No.	To Number	Ext
1	100000000	199999999	[]

6. Choose [Save](#).

7. In the *Transport number range intervals* dialog box, choose [Continue](#).

7.2.3.4.7 Maintain SSCC Generation for Each Warehouse Number

Procedure

Access the activity as follows:

IMG Menu	(SAP EWM)	SCM Extended Warehouse ManagementExtended Warehouse Management - Cross-Process Setting-sHandling UnitsExternal IdentificationSSCC Generation Acc. To EAN128Maintain SSCC Generation for Each Warehouse Number
Transaction Code	SPRO	

On the *Change View "ILN for SSCC Generation at Warehouse Number Level"*: Overview screen, choose *New Entries*.

On the *New Entries: Details of Added Entries* screen, enter:

WhN	No.	Begins ILN	ILN Basis Number	NumberRn-geObj	Int	Ext	Not Active
1030	1	[]	12345678	/SCWM/ SSCC	1		[]

7.2.3.5 Putaway Control

7.2.3.5.1 Define Storage Type Search Sequence for Putaway

Procedure

1. To define the storage type search sequences for putaway, Access the activity as follows:

IMG Menu (SAP EWM)

► SCM Extended Warehouse Management ► Extended
Warehouse Management ► Goods Receipt Process
► Strategies ► Storage Type Search ► Define Storage Type
Search Sequence for Putaway ►

Transaction Code

SPRO

2. On the *Change View "Storage Type Search Sequence for Putaway – Definition": Overview* screen, choose *New Entries*.
3. *Create* the following entries: (You can move forward in the entry window with F8, Next Entry)

Warehouse Number	Storage Type Search Sequence	Description
1030	YE01	Bin Determination in General Storage
1030	YE02	Determine Clarif. Zone (PACI Missing)
1030	YP01	Picking into Outbound Staging

4. Choose *Save*.

7.2.3.5.2 Assign Storage Types to Storage Type Search Sequence

Procedure

1. To check the assignment of storage types to storage type search sequences, Access the activity as follows:

IMG Menu (SAP EWM)

► SCM Extended Warehouse Management ► Extended Warehouse Management ► Goods Receipt Process ► Strategies ► Storage Type Search ► Assign Storage Types to Storage Type Search Sequence ►

Transaction Code

SPRO

2. On the [Change View "Storage Type Search Sequence for Putaway": Overview](#) screen, choose [New Entries](#).
3. Create the following entries (You can move forward in the entry window with F8, Next Entry):

Warehouse No.	Stor.Type Srch Seq.	Sequence No.	Storage Type
1030	YE01	1	Y001
1030	YE01	2	Y970
1030	YE02	1	Y970
1030	YP01	1	Y920

4. Choose [Save](#).
5. Check that the [Sequence No.](#) is assigned automatically as indicated in the table above.

7.2.3.5.3 Define Putaway Control Indicator

Procedure

To define the putaway control indicator, Access the activity as follows:

IMG Menu	(SAP EWM)	SCM Extended Warehouse ManagementExtended Warehouse ManagementGoods Receipt Process-StrategiesStorage Type SearchDefine Putaway Control Indicator
-----------------	------------------	---

Transaction Code	SPRO
-------------------------	------

On the Change View "Putaway Control Indicator": Overview screen, choose New Entries

Create the following entries You can move forward in the entry window with F8, Next Entry):

Warehouse Number	Putaway Control Indicator	Description
1030	YQ01	General Storage Product

Choose Save.

7.2.3.5.4 Specify Storage Type Search Sequence for Putaway

Use

Based on the Putaway Control Indicator (PACI) the system directs goods either into the Mezzanine (Small Parts in non-pallet quantities) or into the NA High Rack Pallet buffer (Large Parts and Small Parts in HUs with a "full pallet" quantity).

In case a product is not yet classified being a Small or Large Part (missing PACI in warehouse product master) or if the HU violates limits of the targeted bin (e.g. weight / volume does not fit) the Hu is directed to the Clarification Zone.

Procedure

To specify storage type search sequences for putaway, Access the activity as follows:

IMG Menu	(SAP EWM)	SCM Extended Warehouse ManagementExtended Warehouse ManagementGoods Receipt Process-StrategiesStorage Type SearchSpecify Storage Type Search Sequence for Putaway
-----------------	------------------	---

Transaction Code	SPRO
-------------------------	------

On the Change View "Search Sequence: Putaway": Overview screen, choose New Entries

Create the following entries

WhN	PACI	Proc./Grp	Qty. Class	...	Srch Seq.	Putaway Rules
1030		Y114		...	YE02	_ No Putaway Rule
1030		Y114	P	...	YE02	_ No Putaway Rule
1030		Y214		...	YP01	_ No Putaway Rule
1030		Y214	P	...	YP01	_ No Putaway Rule
1030	YQ01	Y114			YE01	_ No Putaway Rule
1030	YQ01	Y114	P	...	YE01	_ No Putaway Rule

Note

Leave the remaining fields that are not mentioned in this table empty.

Choose Save.

7.2.3.5.5 Optimize Access Strategy for Storage Type Search: Putaway

Procedure

1. Access the activity as follows:

IMG Menu (SAP EWM)

► SCM Extended Warehouse Management ► Extended Warehouse Management ► Goods Receipt Process ► Strategies ► Storage Type Search ► Optimize Access Strategy for Storage Type Search: Putaway ►

Transaction Code

SPRO

2. On the *Change View "Optimization of Access for Stor.Type Determ. at Putaway": Overview* screen, choose *New Entries*
3. Create the following entries:

WhN	Seq. No.	Put. Strat.	ProcTyp	Qty Group
1030	1	[X]	[X]	[X]
1030	2	[X]	[X]	[]
1030	3	[X]	[]	[]
1030	4	[]	[X]	[]

4. Choose *Save*.

7.2.3.5.6 Define HU Types for Each Storage Bin Type

Procedure

1. Access the activity as follows:

IMG Menu (SAP EWM)

► SCM Extended Warehouse Management ► Extended Warehouse Management ► Goods Receipt Process ► Strategies ► Storage Bin Determination ► HU Types ► Define HU Types for Each Storage Bin Type ►

Transaction Code

SPRO

2. On the *Change View "Storage Bin Type Search": Overview* screen, choose *New Entries*.
3. Create the following entries.

Warehouse No.

1030

Storage Type

Y001

HU Type

SN00

Sequence

Stor. Bin Type

YGS1

4. Choose *Next Entry*.

Warehouse No.

1030

Storage Type

Y001

HU Type

SN01

Sequence

Stor. Bin Type

YGS1

5. Choose *Save*.

7.2.3.6 Internal Warehouse Processes

7.2.3.6.1 Default Values for Posting Changes

Use

With the following setting you define that with the use of warehouse process type Y420 for moving goods from any storage to the scrapping zone, the stock type is immediately set to S6 indicating that this is now stock to be scrapped. This immediately applies also when the stock is assigned to a resource temporarily.

Procedure

Access the activity as follows:

IMG Menu	(SAP EWM)	SCM Extended Warehouse ManagementExtended Warehouse ManagementInternal Warehouse ProcessesDefault Values for Posting Changes		
Transaction Code	SPRO			
On the <i>Change View "Maintain Default Values for Manual Posting Change": Details</i> screen, choose New Entries.				
On the <i>New Entries:Details Overview of Added Entries</i> screen, create the following entry:				
Warehouse No.			1030	
Whse Proc. Type			Y420	
Target Stock Data				
Stock Type	S6		X	Stock Type Pre-defined

7.2.3.7 Stock Removal Control

7.2.3.7.1 Stock Removal Rules

Procedure

1. Access the activity as follows:

IMG Menu (SAP EWM)

► *SCM Extended Warehouse Management* ► *Extended Warehouse Management* ► *Goods Issue Process* ► *Strategies* ► *Specify Stock Removal Rule* ►

Transaction Code

SPRO

2. On the *Change View "Definition of Stock Removal Rules": Overview* screen, choose *New Entries*.
3. On the *New Entries: Overview of Added Entries* screen, create the following entry

Warehouse Number	RemR	Description
1030	FIFO	First In First Out

4. Choose *Enter*.
5. Select that created row.
6. In the Dialog Structure, double-click *Stock Removal Rule*.
7. On the *Change View "Stock Removal Rule": Overview* screen, choose *New Entries*.
8. On the *New Entries: Overview of Added Entries* screen, create the following entries:

Sequence No.	Sort Field	Descending
1	WDATU	[]

9. Choose *Enter*.
10. Check Sequence No. is updated in the above given order.
11. Choose *Save (Ctrl+S)*.
12. In the Dialog Structure, double-click *Definition of Stock Removal Rule*.
13. Repeat steps 2-13 using the following data:

Warehouse Number	RemR	Description
1030	LIFO	Last In First Out

Sequence No.	Sort Field	Descending
1	WDATU	[X]

14. Choose [Save \(Ctrl+S\)](#).

7.2.3.7.2 Specify Storage Type Search Sequence

Procedure

1. Access the activity as follows:

[IMG Menu \(SAP EWM\)](#)

► [SCM Extended Warehouse Management](#) ► [Extended Warehouse Management](#) ► [Goods Issue Process](#) ► [Strategies](#) ► [Specify Storage Type Search Sequence](#) ►

[Transaction Code](#)

SPRO

2. In the [Change View "Storage Type Search Sequence: Definition": Overview](#) screen, choose [New Entries](#).
3. [Create](#) the following entries:

Warehouse Number	Storage Type Search Seq.	Description
1030	YPQ1	Removal of Non-Pallet Quantities
1030	YPQ2	Removal of Pallet Quantities

4. Choose [Save](#).
5. Select the entries one after another and choose [Assign Storage types to Storage Type Search Sequence](#) in the dialog structure.
6. Choose [New Entries](#) and make the following entries:

Warehouse Number	Storage Type Search Seq.	Description	Sequence No.	Storage Type
1030	YPQ1		1	Y002
1030	YPQ2		1	Y001
1030	YPQ2		2	Y002

7. Choose [Save](#).

7.2.3.7.3 Determine Storage Type Search Sequence for Stock Removal

Use

Depending on several attributes such as warehouse process type, stock removal control indicator of the product or various stock attributes, the system determines the storage type search sequence.

Procedure

1. Access the activity as follows:

IMG Menu	(SAP EWM)	SCM Extended Warehouse ManagementExtended Warehouse ManagementGoods Issue Process-StrategiesDetermine Storage Type Search Sequence for Stock Removal
Transaction Code	SPRO	

2. In the Change [View "Determine Storage Type Search Sequence: Stock Removal:" Overview](#) screen, choose [New Entries](#)
3. Create the following entries:

Ware-house Number	2	SRCI	Whse Process Type / Group	Quantity Classification	Stock Type / Group	Tpe	Use	Haz-Rat1	HazRat2	Storage Type Search Seq.	RemR
1030	[]		Y210							YPQ1	FIFO
1030	[]		Y210	P						YPQ2	FIFO

4. Choose Save.

7.2.3.7.4 Optimize Access Strategies in Stock Removal

Procedure

Access the activity as follows:

IMG Menu **(SAP EWM)**

SCM Extended Warehouse ManagementExtended
Warehouse ManagementGoods Issue ProcessStra-
tegiesOptimization of Access Strategies for Stor.
Type Determination in Stck Rmvl

Transaction Code SPRO

In the Change View "Optimization of Access Strategy for Storage Type Determination" screen, choose New Entries

Create the following entries:

Ware- house Number	Sequence No.	2S P	RmvlD	Proc. Type	Q	(Consideration of Quantity Classification)
1030	1		[X]	[X]	[X]	
1030	2			[X]	[X]	
1030	3		[X]	[X]		
1030	4			[X]		

Choose Save.

7.2.3.8 Shipping and Receiving

7.2.3.8.1 Check Activating the Shipping and Receiving Functionality

Procedure

1. Access the activity as follows:

IMG Menu (SAP EWM)

► SCM Extended Warehouse Management ► Extended Warehouse Management ► Cross-Process Settings ► Shipping and Receiving ► General Settings ► Deactivate Shipping and Receiving for Warehouse ►

Transaction Code

SPRO

2. On the *Deactivate Shipping and Receiving: Overview* screen, check the following entry:

Warehouse Number	Description	Deactivate S&R
1030	Warehouse Cross Industries	[X]

ⓘ Note

Make sure the check mark is set!

3. Choose *Save*.

7.2.3.9 Replenishment

7.2.3.9.1 Activate Replenishment Strategies in Storage Types

Procedure

1. Access the activity as follows:

IMG Menu (SAP EWM)

► SCM Extended Warehouse Management ► Extended
Warehouse Management ► Internal Warehouse Processes
► Replenishment Control ► Activate Replenishment Strategies
in Storage Types ►

Transaction Code

SPRO

2. In the *Change View "Replenishment Strategy settings": Overview* screen, choose *New Entries*
3. Create following entries You can move forward in the entry window with F8, Next Entry):

Warehouse No.	Storage Type	Repl. Strat.	Whse. Proc. Type	Qty Type Used	WT Immed.
1030	Y002	1 Planned Replenishment	Y311	_ Physical Quantity	[X]
1030	Y002	2 Automatic Replenishment	Y311	_ Physical Quantity	[X]

4. Choose *Save*.

📘 Note

The Flag "Do not consider putaway quantity" is NOT checked.

This means, if there is an open Putaway WT for the storage type, the quantity is taken into consideration within the replenishment calculation. The assumption is, that warehouse task for putaway are processed in a timely manner; thus it makes sense to include this quantity into the calculation.

7.2.3.10 Physical Inventory

7.2.3.10.1 Define Physical Inventory Area

Use

In this activity, you define a PI (Physical Inventory) Area, and you specify how to perform the PI within these areas. It might be necessary to define several PI areas if you want to perform the PI in different ways. For example, you want to count by using RF devices in area 1, and in area 2 you want to count by using paper.

In each PI area, you set control parameters such as enabling low stock PI, and allowing specific PI procedures.

Procedure

1. Access the activity as follows:

IMG Menu (SAP EWM)

► *SCM Extended Warehouse Management* ► *Extended Warehouse Management* ► *Internal Warehouse Processes* ► *Physical Inventory* ► *Physical-Inventory-Area-Specific Settings* ► *Define Physical Inventory Area* ►

Transaction Code

SPRO

2. On the *Change View "Physical Inventory Area": Overview* screen, choose *New Entries*.
3. *Create the following settings:*

Physi- cal In- ven- tory Area	Put- away PI	LSPI	LS Check	PstgAf- ter- Count	Dsp. Qty	Dsp. Obj.	HU Com- plete	Print Obj.	Qty	Compl- Check	Serial No.	Com- ment
YPI1_ 1030				[X]		[X]	[X]	[X]				
YPI2_ 1030				[X]		[X]	[X]	[X]				

4. Choose *Enter*.

5. Select the row with *Physical Inventory Area YPI1*,
6. In the *Dialog Structure*, double-click *Permitted Document Types*.
7. Choose *New Entries*, and *c* reate these entries:

Physical Inventory Area	Procedure
YPI1_1030	AS Annual Physical Inventory (Product-Specific)
YPI1_1030	HL Ad-hoc Physical Inventory (Storage-Bin-Specific)
YPI1_1030	HS Ad-hoc Physical Inventory ((Product-Specific)

8. In the *Dialog Structure*, double-click Physical Inventory Area.
9. Select the row with Physical Inventory Area YPI2,
10. In the *Dialog Structure*, double-click Permitted Document Types.
11. Choose *New Entries*, and *c* reate these entries:

Physical Inventory Area	Procedure
YPI2_1030	AL Annual Physical Inventory (Storage-Bin-Specific)
YPI2_1030	CC (Cycle Counting Physical Inventory (Prod.-Specific)
YPI2_1030	HL Ad-hoc Physical Inventory (Storage-Bin-Specific)
YPI2_1030	HS Ad-hoc Physical Inventory ((Product-Specific)

12. Choose *Save*.
13. Choose *Exit* (*Shift+F3*).

7.2.3.10.2 Assign Physical Inventory Area to Activity Area

Use

In this activity, you assign the PI areas to activity areas. You have to sort these activity areas for the physical inventory activity.

Procedure

1. Access the activity as follows:

IMG Menu (SAP EWM)

► *SCM Extended Warehouse Management* ► *Extended Warehouse Management* ► *Internal Warehouse Processes* ► *Physical Inventory* ► *Warehouse-Number-Specific Settings* ► *Assign Physical Inventory Area to Activity Area* ►

Transaction Code

SPRO

2. On the *Change View "Assign Physical Inventory Area to Activity Area": Overview* screen, choose *New Entries*.
3. Create the following entries:

Warehouse Number	AA	Physical Inventory Area
1030	Y001	YPI1_1030
1030	Y002	YPI2_1030

4. Choose *Save*.

Note

If you want to change an existing assignment, for example replace YPI2_1030 with "YNEW", then do not overwrite the existing entry, instead delete the old entry and create a new one. Overwriting would be saved, but the changed assignment would not work:

Creating a PI Doc would not find any bins.

7.2.3.10.3 Reasons and Priorities for PI

Use

You define the permitted reasons for creating a PI document. By assigning a priority to each reason, you can control the processing urgency of a PI document. Besides monitoring purposes, you can use the priority as criteria for the creation of the warehouse orders by using warehouse order creation rules.

7.2.3.10.3.1 Define Priorities

Procedure

1. Access the activity as follows:

IMG Menu (SAP EWM)

► *SCM Extended Warehouse Management* ► *Extended Warehouse Management* ► *Internal Warehouse Processes* ► *Physical Inventory* ► *Warehouse-Number-Specific Settings* ► *Reason and Priority* ► *Define Priorities* ►

Transaction Code

SPRO

2. On the *Change View "Definition Table of Priorities": Overview* screen, choose *New Entries*
3. Create the following entries:

Warehouse Number	Priority	Prio Descrip.
1030	1	HIGH
1030	2	MEDIUM
1030	3	LOW

4. Choose *Save*.

7.2.3.10.3.2 Define Reason for Physical Inventory

Procedure

1. Access the activity as follows:

IMG Menu (SAP EWM)

► *SCM Extended Warehouse Management* ► *Extended Warehouse Management* ► *Internal Warehouse Processes* ► *Physical Inventory* ► *Warehouse-Number-Specific Settings* ► *Reason and Priority* ► *Define Reason for Physical Inventory* ►

Transaction Code

SPRO

2. On the *Change View "Reason for Physical Inventory": Overview* screen, choose *New Entries* and create the following entries:

Warehouse Number	Reason	Description	Priority	PIL	Autom.	Active	No CW Qty
1030	STND	Standard Physical Inventory	2			[X]	
1030	UPLD	Unplanned Physical Inventory	1			[X]	

3. Choose *Save*.

7.2.3.10.3.3 Define Standard Reason for Each Phys. Inv. Procedure

Procedure

1. Access the activity as follows:

IMG Menu (SAP EWM)

► *SCM Extended Warehouse Management* ► *Extended Warehouse Management* ► *Internal Warehouse Processes* ► *Physical Inventory* ► *Warehouse-Number-Specific Settings* ► *Reason and Priority* ► *Define Standard Reason for Each Phys. Inv. Procedure* ►

Transaction Code

SPRO

2. On the *Change View "Definition of Default Reason per Phys. Inv. Procedure": Overview* screen, choose *New Entries* and create the following entries:

Warehouse Number	Procedure	Reason
1030	AL Annual Physical Inventory (Storage-Bin-Specific)	STND
1030	AS Annual Physical Inventory (Product-Specific)	STND
1030	CC (Cycle Counting Physical Inventory (Prod.-Specific)	STND
1030	HL Ad-hoc Physical Inventory (Storage-Bin-Specific)	UPLD
1030	HS Ad-hoc Physical Inventory ((Prod-uct-Specific)	UPLD

3. Choose *Save*.

7.2.3.10.4 Specify Physical-Inventory-Specific Settings in the Warehouse

Use

In this IMG activity, you make the physical-inventory-specific settings for each warehouse number like Currency unit to use, Period (fiscal year) to use and whether the percentage deviation for the physical inventory count is to be checked, and so on.

Procedure

Access the activity as follows:

IMG Menu **(SAP EWM)**

SCM Extended Warehouse Management
Extended Warehouse Management
Internal Warehouse Processes
Physical Inventory
Warehouse-Number-Specific Settings
Specify Physical-Inventory-Specific Settings in the Warehouse

Transaction Code SPRO

On the *Change View "Physical Inventory-Specific Settings in Warehouse": Overview* screen, update the following data:

Field name	User action and values	Comment
Warehouse Number	1030	
Currency	EUR	System default
Cal	01	System default
Fisc. Year Var.	K4	
Proced. ID	0001	Use Input help only!
Owner		
Party to Disp.		
Corr.Perm.		
Allowed Percent. Diff. in Counting		

No Tol.	[X]
NRI PI Document	01
Compl. WhN	

Choose **Save**.

You don't have to create a new entry, just to modify the default one (for the Warehouse 1030).

7.2.3.10.5 Define Tolerance Groups

7.2.3.10.5.1 Define Tolerance Group for Difference Analyzer

Use

You define tolerance groups to set thresholds for posting the differences to SAP S/4HANA Cloud Public Edition. You can assign users to these tolerance groups afterwards.

Procedure

1. Access the activity as follows:

IMG Menu (SAP EWM)

[SCM Extended Warehouse Management](#) > [Extended Warehouse Management](#) > [Internal Warehouse Processes](#) > [Physical Inventory](#) > [Warehouse-Number-Specific Settings](#) > [Define Tolerance Groups](#) > [Define Tolerance Group for Difference Analyzer](#)

Transaction Code

SPRO

2. On the [Change View "Definition of the Tolerance Group Difference Analyzer": Overview](#) screen, choose [New Entries](#).

3. Create the following entries:

⚠ Caution

Decimal Notation:

The figures for volume and weight below are noted in the common US decimal notation format using the "," (comma) to separate thousands and using "." (period) to separate decimals.

Check whether your user settings are set to US or another decimal notation. It would lead to wrong results if you enter the figures given here in a system set to another decimal notation.

In case you change your user settings, log off and log on again.

Warehouse Number	TolGr Diff. Analyzer	Value-Based Tolerance	Currncy	No Tol.	Wait Time
1030	BACKGROUND	100.00	EUR		
1030	CLERK	10,000.00	EUR		
1030	SUPERVISOR		EUR	[X]	

4. Choose [Save](#).

7.2.3.10.5.2 Define Tolerance Group for Posting Differences

Use

You define tolerance groups to set thresholds for posting the differences in SAP EWM. By assigning your users to these tolerance groups, you can use these user-specific tolerance groups as an authorization for posting differences up to a certain value.

Procedure

1. Access the activity as follows:

IMG Menu (SAP EWM)

► *SCM Extended Warehouse Management* ► *Extended Warehouse Management* ► *Internal Warehouse Processes* ► *Physical Inventory* ► *Warehouse-Number-Specific Settings* ► *Define Tolerance Groups* ► *Define Tolerance Group for Posting Differences* ►

Transaction Code

SPRO

2. On the *Change View "Definition of Tolerance Group "Post Differences": Overview* screen, choose *New Entries*
3. Create the following entries:

⚠ Caution

Decimal Notation:

The figures for volume and weight below are noted in the common US decimal notation format using the "," (comma) to separate thousands and using "." (period) to separate decimals.

Check whether your user settings are set to US or another decimal notation. It would lead to wrong results if you enter the figures given here in a system set to another decimal notation.
In case you change your user settings, log off and log on again.

Warehouse Number	Tol. Group Posting	Allowed Percentage Tol.	No Tol.	Value-Based Tolerance	Currncy	No Tol.
1030	CLERK		[X]	10,000.00	EUR	
1030	SUPERVISOR		[X]		EUR	[X]

4. Choose *Save*.

7.2.3.10.5.3 Define Tolerance Group for Recounting

Use

You define tolerance groups to set thresholds for automatically triggering a recount. By assigning your counters to these tolerance groups, you can use these counter-specific tolerance groups as quality measures for counting.

Procedure

Access the activity as follows:

IMG Menu	(SAP EWM)	SCM Extended Warehouse ManagementExtended Warehouse ManagementInternal Warehouse ProcessesPhysical InventoryWarehouse-Number-Specific SettingsDefine Tolerance GroupsDefine Tolerance Group for Recounting
-----------------	------------------	--

Transaction Code SPRO

On the *Change View "Definition of Tolerance Group "Recount": Overview* screen, choose *New Entries*.

Create the following entry:

Decimal Notation:

The figures for volume and weight below are noted in the common **US decimal notation** format using the "," (**comma**) to **separate thousands** and using "." (**period**) to **separate decimals**.

Check whether your user settings are set to US or another decimal notation. It would lead to wrong results if you enter the figures given here in a system set to another decimal notation.

In case you change your user settings, **log off and log on again**.

Note

Warehouse Number	Tolerance Group Recount	Allowed Percentage Tol.	No Tol.	Value-Based Tolerance	Currency	No Tol.
1030	COUNTER		[X]	1,000.00	EUR	

Choose **Save**.

7.2.3.10.6 Configure Cycle Counting

Use

This indicator groups the materials together into various cycle counting categories. Usually, these categories correspond to the ABC analysis of the materials. The indicator also defines at which time intervals a physical inventory is to be carried out for the product.

Procedure

1. Access the activity as follows:

IMG Menu (SAP EWM)

► *SCM Extended Warehouse Management* ► *Extended Warehouse Management* ► *Internal Warehouse Processes* ► *Physical Inventory* ► *Warehouse-Number-Specific Settings* ► *Configure Cycle Counting* ►

Transaction Code

SPRO

2. On the *Change View "Cycle Counting Counting Cycle": Overview* screen, choose *New Entries*
3. Create the following entries:

Warehouse Number	CC Ind.	InPI	BT
1030	A	10	
1030	B	30	

4. Choose *Save*.

7.2.3.11 Work Centers

7.2.3.11.1 Specify Work Center Layout

Procedure

Access the activity as follows:

IMG Menu

(SAP EWM)

SCM Extended Warehouse ManagementExtended Warehouse ManagementMaster DataWork Center-Specify Work Center Layout

Transaction Code SPRO

On the *Change View "Work Center Screen Configuration": Overview* screen, choose *New Entries*.

You may create the entry based on a copy of 0001/VP MX, but check the field values afterwards.

On the *New Entries: Details of Added Entries* screen, enter:

Warehouse Number	1030
Work Center Layout	VPMX
Description	General Purpose Work Center
Transaction Type	1 Packing - General

In the *Tab Pages in Scanner Area* section, enter:

Display Scannr Area	☒
Create HU	☒
Repack HU	☒
Repack Product	☒
Enter Differences	☒
Change HU	☒
Assign SNs	☒
Assign SNs to Deliv.	☒
Focus on Stock	☒

In the *Tab Pages in Detail Area* section, enter:

Display Detail Area	☒
HU Capacity	☒
HU Detail 1	☒
HU Detail 2	☒
HU Contents	☒
Destination HUs	☒
Stor. Bin	☒
Prod. in Storage Bin	☒
Product Details	☒
Product Not Packed	☒
Texts for Product	☒

Open WTs	[X]
Confirmed WTs	[X]
Serial Nos	[X]
Warehouse	[X]

In the *Different Functions* section, enter:

Packing in Bin	[X]
Delete HU	[X]
Empty HU	[X]
HU Header Chgble	[X]
Pack Add.Pack.Mat	[X]

In the *Tree* section, enter:

Display Tree Control	[X]
Expand Tree Control	3
Drag&Drop	[X]

7.2.3.11.2 Define Work Center

Procedure

1. Access the activity as follows:

IMG Menu
(SAP EWM)

► [SCM Extended Warehouse Management](#) ► [Extended Warehouse Management](#) ► [Master Data](#) ► [Work Center](#)
► [Define Work Center](#) ►

[Transaction Code](#)

SPRO

2. On the [Change View "Define Work Center": Overview](#) screen, choose [New Entries](#).
3. Enter the following Work Centers:
Work Center Y831

Warehouse No.	1030
Work Center	Y831
Description	Packing Work Center
External Step	
Storage Type	Y831
Inbound Section	YS2I
Outbnd Section	YS10
Repack WPT	Y340
Work Center Layout	VPMX
RF:HU Ready f. Input	[]
PrintDeterm.Pro	0HUPR
Save Action	[X]
Check Consol. Grp	_ No Check
Check Stop on Route	_ No Check
Repack Activ. WTs	_ Repacking Active WT Not Allowed

4. Choose [Next Entry](#).

Work Center Y910

Warehouse No.	1030
Work Center	Y910
Description	Inbound Staging Area
External Step	
Storage Type	Y910
Inbound Section	YI00
Outbnd Section	YI00
Repack WPT	Y340
Work Center Layout	VPMX

Warehouse No.	1030
RF:HU Ready f. Input	[]
PrintDeterm.Pro	
Save Action	[]
Check Consol. Grp	_ No Check
Check Stop on Route	_ No Check
Repack Activ. WTs	_ Repacking Active WT Not Allowed

5. Choose [Next Entry](#).
Work Center Y920

Warehouse No.	1030
Work Center	Y920
Description	Outbound Staging Area
External Step	
Storage Type	Y920
Inbound Section	
Outbnd Section	Y000
Repack WPT	Y340
Work Center Layout	VPMX
RF:HU Ready f. Input	[]
PrintDeterm.Pro	
Save Action	[]
Check Consol. Grp	2 Check While Repacking HUs and Products
Check Stop on Route	_ No Check
Repack Activ. WTs	_ Repacking Active WT not Allowed

6. Choose [Next Entry](#).
Work Center Y970

Warehouse No.	1030
Work Center	Y970
Description	Clarification Work Center
External Step	
Storage Type	Y970
Inbound Section	
Outbnd Section	YS00
Repack WPT	Y340
Work Center Layout	VPMX
RF:HU Ready f. Input	[]
PrintDeterm.Pro	0HUPR
Save Action	[X]
Check Consol. Grp	_ No Check
Check Stop on Route	_ No Check
Repack Activ. WTs	_ Repacking Active WT Not Allowed
Meas. CW Qty Poss.	[]

- Choose [Save](#).

7.2.3.11.3 Optimizing the Work Center Determination in the Goods Issue

Procedure

- 1. Access the activity as follows:

IMG Menu (SAP EWM)

▶ SCM Extended Warehouse Management ▶ Extended Warehouse Management ▶ Master Data ▶ Work Center ▶ Optimize Work Center Determination in Goods Issue ▶

Transaction Code

SPRO

On the *Change View Optimize Work Center Determination in Goods Issue: Overview* screen, choose *New Entries* and create the following settings:

Warehouse Number	Sequence No.	Route	Activ.Area	CnsGrp
1030	1		[X]	

- 2. Choose *Save*.

7.2.4 Packaging and HU Management

7.2.4.1 Packaging Specifications

7.2.4.1.1 Define General Packaging Specification Parameters

1. Access the activity as follows:

IMG Menu (SAP EWM)

► *SCM Extended Warehouse Management* ► *Extended Warehouse Management* ► *Master Data* ► *Packaging Specification* ► *Define General Packaging Specification Parameters* ►

Transaction Code

SPRO

2. On the *Change View "Global attributes for packaging specifications": Details* screen, make sure the following data are entered:

NR Work Step

01

NR Elem. Group

03

...

...

Form Name

/SCWM/PACKSPEC

...

Change Documents

[X]

7.2.4.1.2 Define Packaging Specification Group

1. Access the activity as follows:

IMG Menu (SAP EWM)

► SCM Extended Warehouse Management ► Extended Warehouse Management ► Master Data ► Packaging Specification ► Define Packaging Specification Group ►

Transaction Code

SPRO

2. On the *Change View "Pack. Spec.: Group of Spec. Writers": Overview* screen, select:

PS Group

SAP

3. Choose *Details*.
4. On the *Change View "Pack. Spec.: Group of Spec. Writers": Details* screen, make sure the following data exists:

Description	SAP Default Packspec Group
<i>NR Pack. Spec</i>	02
<i>Level Set</i>	PALLETDATA
<i>Act. with CT</i>	[X]
<i>Distribution</i>	1 – source system
<i>Time Zone</i>	CET

5. Choose *Save*.

7.2.4.1.3 Assign Packaging Material Type to Element Type

1. Access the activity as follows:

IMG Menu (SAP EWM)

► SCM Extended Warehouse Management ► Extended Warehouse Management ► Master Data ► Packaging Specification ► Maintain Structure of Packaging Specification ► Assign Packaging Material Type to Element Type ►

Transaction Code

/SPRO

2. On the [Change View "Assign Packaging Material Type to Level Element Type": Overview](#) screen, create the following entries:

ET	PkMtT
PACK	SP23
PACK	SP22
PACK	SP32

3. Choose [Save\(Strg+S\)](#).

7.2.5 Master Data

7.2.5.1 Change Warehouse Products

Use

In this step the products (the actual products as well as the packaging materials) which are used in the business processes are initially created as EWM warehouse products.

All listed products have already been created in the S/4HANA Cloud system and were transferred via the CIF interface. This means, the ID as well as short description and other basic data already exist in the "SCM Product Master".

Now the products are specifically created as EWM warehouse products.

Procedure

Access the activity as follows:

Easy Access **(SAP EWM)**
Menu

SCM Extended Warehouse Management → Ex-
tended Warehouse Management → Master Data →
Product → Maintain Warehouse Product

Transaction Code /SCWM/MAT1

TG11

Procedure

1. On the *Display/Change/Create Warehouse Product* screen, choose *Create*.

Field name	User action and values
Product Number	TG11
Warehouse No.	1030
Party Entitled to Dispose	10411010

2. On the Warehouse Product Maintenance screen, make the following entries on the Whse Data tab:

Field Name	User Action and Values	Comment
Cycle Counting Indicator	B	Count every 30 days.
Putaway Control Ind.	YQ01	
Storage Section Ind.		

3. On the Warehouse Product Maintenance screen, make the following entries on the St. Type Data tab page:

Field Name	User Action and Values
Storage Type	Y002
Max. No. Bins	12
Min. Replenish. Qty	1 PAL
Minimum Quantity	4 PAL
Maximum Quantity	12 PAL

4. Choose *Adopt Data*.
5. Choose *Save*.
6. Choose *Back*.

PMPAL00

Procedure

1. On the *Display/Change/Create Warehouse Product* screen, choose *Create*.

Field name	User action and values
Product Number	PMPAL00
Warehouse No.	1030
Party Entitled to Dispose	10411010

2. Choose *Save (Ctrl+S)*.
3. Choose *Back*.

PMWBTRO

Procedure

1. On the *Display/Change/Create Warehouse Product* screen, choose *Create*.

Field name	User action and values
Product Number	PMWBTRO
Warehouse No.	1030
Party Entitled to Dispose	10411010

2. Choose *Save (Ctrl+S)*.
3. Choose *Back*.

PMPALISU

Procedure

1. On the *Display/Change/Create Warehouse Product* screen, choose *Create*.

Field name	User action and values
------------	------------------------

Product Number	PMPALISU
Warehouse No.	1030
Party Entitled to Dispose	10411010

2. Choose *Save (Ctrl+S)*.

3. Choose *Back*.

7.2.5.2 Assigning the Storage Bin to Work Centers

1. Access the activity as follows:

Easy Access Menu (SAP EWM)

► *SCM Extended Warehouse Management* ► *Extended Warehouse Management* ► *Master Data* ► *Work Center* ► *Define Master Data Attributes* ►

Transaction Code

/SCWM/TWORKST

2. If the *Determine Work Area: Entry* window appears, enter **1030** in the *Warehouse Number* field and choose *Continue (Enter)*.
3. On the *Change View "Work Center: Define Master Data Attributes": Overview* screen, select all these entries:

Work Cntr.	Description
Y831	Packing Work Center
Y910	Inbound Staging Area

4. Choose *Details (Ctrl+Shift+F2)*.
5. On the *Change View "Work Center: Define Master Data Attributes": Details* screen, enter:

Work Center

Y831

Storage Bin

Terminal Name

Pack. Material

PMPAL00

6. Choose *Next Entry (F8)*.
On the *Change View "Work Center: Define Master Data Attributes": Details* screen, enter:

Work Center

Y910

Storage Bin

GR-YDI1

Terminal Name

Pack. Material

7. Save your entries.

Note

The other work centers are also listed, but no specific entries are required.

7.2.6 Batch Management Specific Settings in SAP EWM

7.2.6.1 Define Number Range for Batch

Procedure

1. Access the transaction using one of the following navigation options:

Transaction Code /SCWM/CHNUM

IMG Menu ► *SCM Extended Warehouse Management* ► *Extended Warehouse Management*
 ► *Master Data* ► *Product* ► *Define* ► *Number Range for Batch* ►

2. On the *Range Maintenance* screen, choose *Change intervals*.
3. On the *Maintain Intervals: Batch* screen, create the following settings:

User Action	N..	From No.	To Number	Ext.
Create	01	9000000001	9999999999	
Create	02	A	ZZZZZZZZZZ	X

7.2.6.2 Batch Management Set Update Control (Centralized, Decentralized)

Use

In this activity, you determine the system behavior concerning batch updates. This allows you to continue in the warehouse without connection to the SAP S/4HANA Cloud Public Edition system.

Note

Settings for batch creation in EWM: Batch Management - Set Update Control (Centralized, Decentralized): Only settings for synchronous updates are allowed to be used. Do not use any asynchronous updates.

Procedure

1. Access the transaction using the following navigation path:

Transaction Code	SPRO
IMG Menu	SCM Extended Warehouse Management → Extended Warehouse Management → Cross-Process Settings → Batch Management → Set Update Control (Centralized, Decentralized)

2. On the [Change View "Batch Update Control \(Centralized, Decentralized\): Overview](#) screen, choose [New Entries](#).
3. On the [New Entries: Overview of Added Entries](#), create the following settings:

Field Name	Entry Value
Business System	<S4C_100>
Bat. Updt	Synchr., Asynchr. Update with Local Update If Errors Occur

7.2.6.3 Master Data

7.2.6.3.1 Change Warehouse Products

Use

In this step the products (the actual products as well as the packaging materials) which are used in the business processes are initially created as EWM warehouse products.

All listed products have already been created in the S/4HANA Cloud system and were transferred via the CIF interface. This means, the ID as well as short description and other basic data already exist in the "SCM Product Master".

Now the products are specifically created as EWM warehouse products.

Procedure

1. Access the activity as follows:

Easy Access Menu (SAP EWM)

► *SCM Extended Warehouse Management* ► *Extended Warehouse Management* ► *Master Data* ► *Product* ► *Maintain Warehouse Product* ►

Transaction Code

/SCWM/MAT1

2. On the *Display/Change/Create Warehouse Product* screen, make the following entries:

Field name	User action and values
<i>Product Number</i>	TG21
<i>Warehouse No.</i>	1030
<i>Party Entitled to Dispose</i>	10411010

3. Choose *Create (F5)*.
4. On the *Warehouse Product Maintenance* screen, make the following entries on the *Whse Data* tab:

Field Name	User Action and Values	Comment
<i>Putaway Control Ind.</i>	YQ01	

5. Choose *Save*.
6. Choose *Back*.

7.2.7 Customer Returns Specific Configuration

7.2.7.1 Activation of BC Sets

This procedure activates all necessary delivery settings (e.g. delivery type, item type etc.) to make use of the specialized Customer Return Delivery Type “IRET” and dependent settings.

Procedure

1. Run this transaction:

<i>Transaction Code</i>	SCPR20
<i>SAP Reference IMG Menu</i>	<i>Tools -> Customizing -> Business Configuration Sets -> Activation Of BC Sets</i>

2. On the *Business Configuration Sets: Activation* screen, enter:

<i>BC Set</i>	/SCWM/DLV_INBOUND_RETURN
---------------	---------------------------------

⚠ Caution

This BC set automatically brings into the system the new inbound delivery type “IRET” together with additional settings like item types, date type mapping etc.

3. Choose *Activate BC Set*.
4. In the *Prompt for Customizing request* dialog box, enter a Request ID which is a Customizing request.
5. In the Activation Options section, enter:

<i>Overwrite All Data</i>	[X]
<i>Default Mode (Recommended)</i>	[X]

6. Choose *Continue Activation*.
7. Ignore the message **Activation ended with warning**.

⚠ Caution

If the activation of the BC set ends with such error as 'Item type ITEXT is not allowed for document type IRET'; activate the BC set one more time. This error is caused by the customizing object sequence issue in the BC set and the error can be solved by a second activation which then usually only shows some warnings.

7.2.7.2 Settings for Stock Types and Availability Groups

7.2.7.2.1 Check: Determine Stock Types

Use

Aside from the quantity of a stock at a particular storage bin, the status and its availability are also important. With the stock type, you determine the status and therefore the availability of a stock within LIME (Logistics Inventory Management Engine).

Procedure

1. Access the activity as follows:

Transaction Code>

SPRO

SAP Reference IMG Menu

SCM Extended Warehouse Management -> SCM Basis -> Logistics Inventory Management Engine (LIME) -> Basic Settings -> Application-Specific Settings -> Determine Stock Type

2. On the Change View "Customizing Stock Type": Overview screen, mark the following two entries and check that they are available and their description is as shown below.

Stock Type	Description
R7	Blocked Returns Stock In Ptwy.
R8	Blocked Returns Stock In Whse

In case you cannot find these entries or the description is different adopt them as described and save your data.

7.2.7.2.2 Configure Availability Group for Putaway

Use

Availability groups are used in order to map ERP Plant/Storage location to EWM stock type. Each combination of Plant/Storage location of particular logical system can be linked to one unique availability group only.

Procedure

1. Access the activity as follows:

<i>Transaction Code</i>	SPRO
<i>SAP Reference IMG Menu</i>	<i>SCM Extended Warehouse Management -> Extended Warehouse Management -> Goods Receipt Process -> Configure Availability Group For Putaway</i>

2. In the Choose Activity window, choose Configure Stock Type, then choose Choose.
3. On the Change View "Customizing View: EWM Stock Types": Overview screen, choose New Entries.
4. Make the following entries:

Whse No	ST	Desc.	SG	SG	Desc.	AGr	Desc.	NST	Desc.	R.
1030	R7					001		RR		N Normal
1030	R8					002		RR		N Normal

5. Save your entries.

7.2.7.3 Configuring the Determination of Document and Item Types in SAP EWM

Use

With this activity, you configure the determination of the document and item types in SAP EWM based on the data from the SAP ERP return delivery.

Defining SAP ERP Document Types for Differentiation Attributes

Procedure

1. Access the activity using the following navigation options:

<i>Transaction Code</i>	SPRO
<i>SAP Reference IMG Menu</i>	<i>SCM Extended Warehouse Management -> Extended Warehouse Management -> Interfaces -> ERP Integration -> Delivery Processing -> Define ERP Document Types For Differentiation Attribute</i>

2. On the Change View “Determine Differentiation Attribute for Item Type Mapping” screen, choose New Entries.
3. On the New Entries: Overview of Added Entries screen, make the following entry:

Field	Value
DocTypeERP (Document Type from ERP System)	LR
Business System	
Profile (for Differentiation Attribute Item)	RETCU

4. Choose Save.

7.2.7.4 Mapping Document Types from the SAP ERP System to SAP EWM

Procedure

1. Access the activity using the following navigation options:

<i>Transaction Code</i>	SPRO
<i>SAP Reference IMG Menu</i>	<i>SCM Extended Warehouse Management -> Extended Warehouse Management -> Interfaces -> ERP Integration -> Delivery Processing -> Map Document Types From ERP System To EWM</i>

- On the Change View “Mapping Delivery Type – Document Type”: Overview screen, find the following entry:

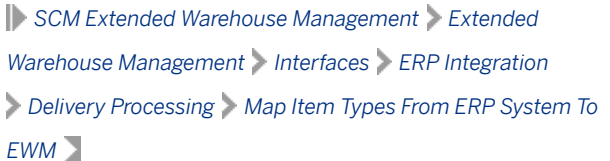
Field	Value
<i>Business System</i>	
<i>DocTypeERP</i>	LR
<i>Document Type</i>	INB

- Replace the Document Type 'INB' with 'IRET'.
- Choose [Save](#).

7.2.7.5 Mapping Item Types from the SAP ERP System to SAP EWM

Procedure

- Access the activity using the following navigation options:

<i>Transaction Code</i>	SPRO
<i>SAP Reference IMG Menu</i>	

- On the Change View “Mapping of ERP Item Type”: Overview screen, create the following entry:
 - For all countries:

Doc.TypeERP	ItmTypeERP	Doc. Type	Item Type
LR	CBEN		IRET

- For Brazil only, please also add:

Doc.TypeERP	ItmTypeERP	Doc. Type	Item Type
LR	RBN		IRET

- Choose Save.

7.2.7.6 Settings for Warehouse Processes

7.2.7.6.1 Determine Warehouse Process Type

Procedure

1. Access the activity as follows:

IMG Menu (SAP EWM)

► SCM Extended Warehouse Management ► Extended
Warehouse Management ► Cross-Process Settings
► Warehouse Task ► Determine Warehouse Process Type ►

Transaction Code

SPRO

2. On the *Change View "Determination of Warehouse Process Type": Overview* screen, choose *New Entries*.
3. On the *"New Entries: Overview of Added Entries": screen*, create the following entries:

Warehouse Number	Doc. Type	Item Type	Del.Prio.	ProTypeDet	Process Ind.	WhsePrcTpe
1030	IRET				No Special Process	Y114

4. Choose *Save*.

Result

If you create an inbound delivery with document type IRET Warehouse process type Y114 is determined for the inbound delivery items in SAP Extended Warehouse Management (EWM).

7.2.8 Delivery-Based Production Integration

7.2.8.1 Define Storage Type

Use

The purpose of this activity is to create storage types for the warehouse [1030](#).

Procedure

1. Access the activity as follows:

[IMG Menu \(SAP EWM\)](#)

[SCM Extended Warehouse Management](#) > [Extended Warehouse Management](#) > [Master Data](#) > [Define Storage Type](#)

[Transaction Code](#)

SPRO

2. On the [Change View "Storage Type Definition": Overview](#) screen, choose [New Entries](#).
3. On the [New Entries: Details of Added Entries](#) screen, create the following entries:

Storage Type Y105

4. In the top section, enter:

[Warehouse No.](#)

1030

[Storage Type](#)

Y105

Production Supply GI

5. In the [General](#) section, enter:

[Storage Type Role](#)

K Production Supply

[Do Not Explode Prod.](#)

X

6. In the [Putaway Control](#) section, enter:

[Conf. Putaway](#)

[X]

[Stor.Ctrl/Put.Compl.](#)

[X]

Putaway Rules

4 General Storage Area

Delete Stock Identification

[X]

7. In the *Stock Removal Control* section, enter:

Confirm Removal

[X]

8. In the *Goods Movement Control* section, enter:

Availability Group

002

Mandatory

[X]

9. Choose *Next Entry (F8)*.

Storage Type Y915

10. In the top section, enter:

Warehouse No.

1030

Storage Type

Y915

Goods Receipt in Production

11. In the *General* section, enter:

Storage Type Role

I Work Center in Staging Areas Group

12. In the *Putaway Control* section, enter:

Conf.Putaway

[X]

Putaway Rules

4 General Storage Area

Capacity Check

4 No Check Against Key Figure, Weight, and Volume

13. In the *Stock Removal Control* section, enter:

Confirm Removal

[X]

14. Choose *Save (Ctrl+S)*.

7.2.8.2 Define Storage Sections

Use

The purpose of this activity is to define storage sections for the corresponding storage types.

Procedure

1. Access the activity as follows:

IMG Menu (SAP EWM)

► *SCM Extended Warehouse Management* ► *Extended Warehouse Management* ► *Master Data* ► *Define Storage Section* ►

Transaction Code

SPRO

2. On the *Change View "Storage Sections": Overview* screen, choose *New Entries*.
3. Create these entries:

WhN	Typ	Sec	Description
1030	Y105	Y000	Production Supply GI
1030	Y915	YI00	Goods Receipt in Production

4. Choose *Save*.

7.2.8.3 Generate Activity Areas from Storage Type

Use

The purpose of this activity is to generate activity areas for the corresponding storage types.

Procedure

1. Access the activity as follows:

IMG Menu (SAP EWM)

► *SCM Extended Warehouse Management* ► *Extended Warehouse Management* ► *Master Data* ► *Activity Areas* ► *Generate Activity Area from Storage Type* ►

Transaction Code

SPRO

2. On the */SCWM/R_AREA_LGTYP_CREATE* screen, run the generation report for the below mentioned combinations of warehouse number and storage type. Do this for each combination one after another:

ⓘ Note

If you do not specify an "Activity" explicitly, the system automatically generates activities areas for all activities you have defined in the previous step. This is what you should do.

Combinations not needed are deleted later.

Warehouse Number	Storage Type	Activity	Description (generated by system)
1030	Y105		Gen. Activity Area for Storage Type Y105
1030	Y915		Gen. Activity Area for Storage Type Y910

3. Enter the first combination of Warehouse Number and Storage Type
4. Choose *Execute (F8)*
5. A message appears like:
Activity area data successfully generated for storage type 1030.
6. Repeat step 4 and 5 for all other combinations of Warehouse Number and Storage Type from the table above.

ⓘ Note

Once you've generated an Activity Area for all activities, a generic sort sequence is automatically created for every combination of storage types:

- Y105
- Y915

and activities:

- INTL
- INVE
- PICK
- PTWY
- REPL

- STCH

7.2.8.4 Assign Storage Bins to Activity Areas

Use

The purpose of this activity is to assign storage bins to the newly created Activity Areas.

Procedure

Access the activity as follows:

IMG Menu (SAP EWM)

► [SCM Extended Warehouse Management](#) ►
 ► [Extended Warehouse Management](#) ► [Master Data](#)
 ► [Activity Areas](#) ► [Assign Storage Bins to Activity Areas](#) ►

Transaction Code SPRO

1. On the [Change View "Activity Area": Overview](#) screen, check the following entries:

Warehouse Number	Activity Area	Seq.	No	Storage Type	Aisle Start	Aisle End	Stack Start	Stack End	Level Start	Level End
1030	Y105	1	Y105							
1030	Y915	1	Y915							

- 2.

7.2.8.5 Define Sort Sequence for Activity Area

Procedure

IMG Menu (SAP EWM)

► SCM Extended Warehouse Management ► Extended
Warehouse Management ► Master Data ► Activity Areas
► Define Sort Sequence for Activity Area ►

Transaction Code

SPRO

1. Delete the following entries

Warehouse Number	Activity Area	Activity
1030	Y105	INVE
1030	Y915	INVE

2. Update the following entries:

Warehouse Number	AA	Activity	Sequence No.	Storage Type	Sort Sequence	PickMode
1030	Y105	INTL	1	Y105	1 Sort Sequence: Stack, Level, Bin Subdivision	_ No Specific Division by Stack
1030	Y105	PICK	1	Y105	1 Sort Sequence: Stack, Level, Bin Subdivision	_ No Specific Division by Stack
1030	Y105	PTWY	1	Y105	1 Sort Sequence: Stack, Level, Bin Subdivision	_ No Specific Division by Stack

Warehouse Number	AA	Activity	Sequence No.	Storage Type	Sort Sequence	PickMode
1030	Y105	REPL	1	Y105	1 Sort Sequence: Stack, Level, Bin Subdivision	_ No Specific Division by Stack
1030	Y105	STCH	1	Y105	1 Sort Sequence: Stack, Level, Bin Subdivision	_ No Specific Division by Stack
1030	Y915	INTL	1	Y915	1 Sort Sequence: Stack, Level, Bin Subdivision	_ No Specific Division by Stack
1030	Y915	PICK	1	Y915	1 Sort Sequence: Stack, Level, Bin Subdivision	_ No Specific Division by Stack
1030	Y915	PTWY	1	Y915	1 Sort Sequence: Stack, Level, Bin Subdivision	_ No Specific Division by Stack
1030	Y915	REPL	1	Y915	1 Sort Sequence: Stack, Level, Bin Subdivision	_ No Specific Division by Stack

Warehouse Number	AA	Activity	Sequence No.	Storage Type	Sort Sequence	PickMode
1030	Y915	STCH	1	Y915	1 Sort Sequence: Stack, Level, Bin Subdivision	_ No Specific Division by Stack

- Choose [Save](#)

7.2.8.6 Manual Creation of Storage Bins

Procedure

- Access the activity as follows:

[Easy Access Menu \(SAP EWM\)](#)

► [SCM Extended Warehouse Management](#) ► [Extended Warehouse Management](#) ► [Master Data](#) ► [Storage Bin](#) ► [Create Storage Bin](#) ►

[Transaction Code](#)

[/SCWM/LS01](#)

- On the [Create Storage Bin](#) screen, create storage bins as follows:
- Enter [Warehouse No.](#) 1030.
- Use the values given in the tables below to create storage bins
- Enter [Storage Bin](#): [see table](#)
- Choose [Enter](#).
- Enter [Storage Type](#): [see table](#)
- Enter [Storage Section](#) [see table](#)
- Choose [Save](#).
- Message [Storage bin ...has been added](#) appears.
- Repeat steps for the other bins given in the following table:

Field Name	1. Bin	2. Bin
Warehouse Number	1030	1030
Storage Bin	PSA3-001	GR-PROD

Field Name	1. Bin	2. Bin
<i>Storage Type</i>	Y105	Y915
<i>Storage Section</i>	Y000	YI00

7.2.8.7 Sort Storage Bins

Procedure

1. Access the activity as follows:

Easy Access Menu (SAP EWM)

► *SCM Extended Warehouse Management* ► *Extended Warehouse Management* ► *Master Data* ► *Storage Bin* ► *Sort Storage Bins* ►

Transaction Code

/SCWM/SBST

2. On the *Create Bin Sorting* screen, enter the following value:

Field Name	Input	Comment
<i>Warehouse Number</i>	1030	Your Warehouse Number
<i>Activity Area</i>		Leave blank
<i>Activity</i>		Leave blank

3. Choose *Execute (F8)*.
4. On the *Simulation of Bin Sorting* screen, choose *Create Bin Sorting (F8)*.
5. The system issues a message *Sorting created successfully*.

7.2.8.8 Define Warehouse Process Type

Use

In this step, you create the process-specific warehouse process types (WPT).

Procedure

1. Access the activity as follows:

IMG Menu (SAP EWM)

► SCM Extended Warehouse Management ► Extended
Warehouse Management ► Cross-Process Settings
► Warehouse Task ► Define Warehouse Process Type ►

Transaction Code

SPRO

2. On the *Change View "Warehouse Process Type": Overview* screen, choose *New Entries*.
3. On the *New Entries: Details of Added Entries* screen, enter one by one the Warehouse Process Types listed below:

Note

Leave the fields empty, which are not listed below.

Warehouse Process Type Y210

4. In the top section, enter:

Warehouse No.

1030

Whse Proc. Type Y210

**Stock Removal
for Production
Supply**

5. In the *General Settings* section, enter:

Whse Proc. Cat.

2 Stock Removal

Manual WT Forbidden

[X]

Activity

PICK

6. In the *Control for Putaway/ Stock Removal* section, enter:

Dest.Stor.Type

Y105

Destination Bin

PSA3-001

7. Choose *Save (Ctrl+S)*.

7.2.8.9 Determine Warehouse Process Type

Procedure

1. Access the activity as follows:

IMG Menu (SAP EWM)

SCM Extended Warehouse Management → Extended Warehouse Management → Cross-Process Settings → Warehouse Task → Determine Warehouse Process Type

Transaction Code

SPRO

2. On the Change View "Determination of Warehouse Process Type": Overview screen, choose [New Entries](#).
3. On the "New Entries: Overview of Added Entries": screen, create the following entries:

Warehouse Number	Doc. Type	Item Type	Del.Prio.	ProType-Det	Process Ind.	WhsePrcTpe
1030	INBI				No Special Process	Y114
1030	OPS				No Special Process	Y210

4. Choose [Save](#).

7.2.8.10 Determine Storage Type Search Sequence for Stock Removal

Use

Depending on several attributes such as warehouse process type, stock removal control indicator of the product or various stock attributes, the system determines the storage type search sequence.

Procedure

1. Access the activity as follows:

IMG Menu (SAP EWM)

► SCM Extended Warehouse Management ► Extended
Warehouse Management ► Goods Issue Process
► Strategies ► Determine Storage Type Search Sequence for
Stock Removal ►

Transaction Code

SPRO

2. In the Change View "Determine Storage Type Search Sequence: Stock Removal:" Overview screen, choose *New Entries*
3. Create the following entries:

Ware- house Number	2	SRCI	Whse Process Type / Group	Quan- tity Classif.	Stock Type / Group	Tpe	Use	HazRat1	Haz- Rat2	Storage Type Search Seq.	RemR
1030	[]		Y210							YPQ1	FIFO
1030	[]		Y210	P						YPQ2	FIFO

4. Choose *Save*.

7.2.8.11 Maintain Settings for Aut. Goods Issue for Production Supply

Use

In this activity you can define the settings to activate the goods issue posting by background job.

Procedure

1. Access the activity as follows:

IMG Menu (SAP EWM)

► *SCM Extended Warehouse Management* ► *Extended Warehouse Management* ► *Goods Issue Process* ► *Outbound Delivery* ► *Production Supply* ► *Maintain Settings for Aut. Goods Issue for Production Supply* ►

Transaction Code

SPRO

2. On the *Change View "Table for Control the Auto GI Possibility for Prod. Sup."* screen, choose *New Entries*.
3. On the *New Entries: Details of Added Entries* screen, enter the following values:

Field Name	User Action and Values	Comment
Warehouse Number	1030	
Document Type	OPS	
Table for Control the Auto GI Possibility for Prod. Sup.section		
GI from PSA	A Goods Issue Posting by Background Job Allowed	
OutbDel Spl All	X	
Item Split All	X	
Time Delay	120	
Delay Split		

4. Choose *Save*.

7.2.8.12 S/4HANA Cloud Integration Settings for Delivery Processing

7.2.8.12.1 Map Document Types from S/4HANA Cloud System to EWM

Use

With this setting you make sure EWM determines the correct document type based on the S/4HANA Cloud delivery type.

Procedure

1. Access the activity as follows:

IMG Menu (SAP EWM)

► *SCM Extended Warehouse Management* ► *Extended Warehouse Management* ► *Interfaces* ► *ERP Integration* ► *Delivery Processing* ► *Map Document Types from ERP System to EWM* ►

Transaction Code

SPRO

ⓘ Note

Maybe the entry to be created listed below already exists. In this case just skip the creation as described in step 4. and **check the existing entry for correctness.**

2. On the *Change View "Mapping Delivery Type – Document Type": Overview* screen, check the following entries. If the entries do not exist, create as shown in the following table.

DocTypeERP	Cde Init. Com.	Doc. Type
DOG	DIS	ODIS
DOG	PCD	OPC
DOG	PSD	OPS

DocTypeERP	Cde Init. Com.	Doc. Type
DOG	PSP	TPS
DOG	RMC	ODRM

7.2.8.12.2 Map Items Types from S/4HANA Cloud System to EWM

Procedure

Access the activity as follows:

IMG Menu (SAP EWM)

SCM Extended Warehouse ManagementExtended
Warehouse ManagementInterfacesERP Integratio
Delivery ProcessingMap Item Types from ERP Sys-
tem to EWM

Transaction Code SPRO

Maybe the **entry** to be created listed below **already exists**. In this case just **skip the creation** as described in step 4. and **check the existing entry** for correctness.

1. On the [Change View "Mapping of ERP Item Type": Overview](#) screen, check the following entries. If the entries do not exist, create as shown in the following table.

DocTypeERP	ItmTpERP.	Doc. Type	Item Type
DOG	DOGN	ODIS	ODIS
DOG	DOGN	ODRM	ODRM
DOG	DOGN	OPC	ODPC
DOG	DOGN	OPS	ODPS
DOG	DOGN	TPS	TDPS

7.2.8.13 Master Data

7.2.8.13.1 Replicate Production Supply Area to EWM

Use

From system point of view, Production Supply Area should be synchronized to EWM as a master data to keep S4 and EWM systems consistent.

Procedure

1. Access the activity as follows:

SAP Menu	SCM Extended Warehouse Management -> Extended Warehouse Management -> Interfaces -> ERP Integration -> Replicate Production Supply Area (PSA)
<i>Transaction Code</i>	/SCWM/PSA_REPLICATE

2. On the Replicate Production Supply Area (PSA) screen, enter the following values:

Field Name	User Action and Values	Comment
EWM Location section		
Warehouse Number	1030	
Party Entitled to Dispose	14011010	
Only EWM Stor. Loc.	X	
ERP Location section		
Plant	1010	
Logical system	SAP S/4HANA Logical System	
Default Entries		
Trigger GI at PSA	X	

3. Choose Execute (F8).
4. On the [Replicate Production Supply Area \(PSA\) – Whse No. 1010 – Create Entries](#) screen, select entry PSA-I003 then choose Replicate (F8).
System message shows: 1 production supply area(s) created.
5. Choose Back.

Result

Production Supply Area is replicated to EWM.

7.2.8.13.2 Change Warehouse Products

Use

In this step the products (the actual products as well as the packaging materials) which are used in the business processes are initially created as EWM warehouse products.

All listed products have already been created in the S/4HANA Cloud system and were transferred via the CIF interface. This means, the ID as well as short description and other basic data already exist in the "SCM Product Master".

Now the products are specifically created as EWM warehouse products.

Procedure

1. Access the activity as follows:

Easy Access Menu (SAP EWM)	SCM Extended Warehouse Management > Extended Warehouse Management > Master Data > Product > Maintain Warehouse Product
---	--

<i>Transaction Code</i>	/SCWM/MAT1
-------------------------	-------------------

SG124

2. On the [Display/Change/Create Warehouse Product](#) screen, make the following entries:

Field name	User action and values
Product Number	SG124
Warehouse No.	1030

Field name	User action and values
<i>Party Entitled to Dispose</i>	10411010

3. Choose *Create (F5)*.
4. On the *Warehouse Product Maintenance* screen, make the following entries on the *Whse Data* tab:

Field Name	User Action and Values	Comment
<i>Cycle Counting Indicator</i>		
<i>Putaway Control Ind.</i>	YQ01	
<i>Storage Section Ind.</i>		

5. On the *Warehouse Product Maintenance* screen, make the following entries on the *St. Type Data* tab page:

Field Name	User Action and Values
<i>Storage Type</i>	Y002
<i>Max. No. Bins</i>	
<i>Min. Replenish. Qty</i>	8 PC
<i>Minimum Quantity</i>	8 PC
<i>Maximum Quantity</i>	16 PC

6. Choose *Adopt Data*.
7. Choose *Save*.
8. Choose *Back*.

RM124

9. On the *Warehouse Product Maintenance* screen, make the following entries on the *Whse Data* tab:

Field Name	User Action and Values	Comment
<i>Cycle Counting Indicator</i>		
<i>Putaway Control Ind.</i>	YQ01	
<i>Storage Section Ind.</i>		

10. On the *Warehouse Product Maintenance* screen, make the following entries on the *St. Type Data* tab page:

Field Name	User Action and Values
<i>Storage Type</i>	Y002

Field Name	User Action and Values
<i>Max. No. Bins</i>	
<i>Min. Replenish. Qty</i>	100 PC
<i>Minimum Quantity</i>	20 PC
<i>Maximum Quantity</i>	120 PC

11. Choose *Adopt Data*.
12. Choose *Save*.

7.2.9 Stock Transfer Order Specific Configuration

7.2.9.1 Copy Warehouse in SAP EWM

Procedure

1. Access the activity as follows:

SAP Menu

► *SCM Extended Warehouse Management* ► *Extended Warehouse Management* ► *Cross-Process Settings* ► *Copy Warehouse Number Customizing* ►

Transaction Code

/SCWM/LGNUM_COPY

2. On the *Copy Warehouse Number Customizing* Screen, enter the following data:

Field Name	Description	User Action and Values	Comment
<i>Source Whse No.</i>		1030	
<i>Dest. Whse No.</i>		1040	

3. Choose *Copy*.
4. Ignore the warning *Unable to copy entries of table /SCWM/PICUST_ARE*.

📘 Note

Enter the corresponding warehouse number(s) in SAP EWM system of your SAP S/4HANA system that you configured there.

If you set up an SAP Best Practices Demo system you can use the following warehouse numbers:

1030, 1040 for DE version

1730, 1740 for US version

##30, ##40 for another country version, where you replace ## with the corresponding country identifier.

7.2.9.2 Define Number Ranges

Procedure

1. Access the activity as follows:

IMG Menu (SAP EWM)

► SCM Extended Warehouse Management ► Extended
Warehouse Management ► Master Data ► Define Number
Ranges ►

Transaction Code

SPRO

Define Number Ranges for Warehouse Tasks/Warehouse Documents

1. In the *Choose Activity* dialog box, double-click *Define Number Ranges for Warehouse Tasks/Warehouse Documents*.
2. On the *Range Maintenance: Warehouse Task* screen, enter:

Warehouse No.

1040

3. Choose *Change Intervals*.
4. On the *Interval Maintenance: Number Range Object Warehouse Task, Subobject 1030* screen, enter:

No	From No.	To Number	Ext
01	000100000000	000999999999	[]

5. Choose *Insert Line*.
6. Enter in the new Line:

No	From No.	To Number	Ext
02	100000000000	100099999999	[]

7. Choose *Save*.
8. In the *Transport number range intervals* dialog box, choose [GRAPHIC REMOVED – INSERT HERE] *Continue*.

- Choose [Back](#) (twice).

Define Number Range Intervals for Warehouse Order

- In the [Choose Activity](#) dialog box, double-click [Define Number Range Intervals for Warehouse Order](#).
- On the [Range Maintenance: Warehouse Order](#) screen, enter:

[Warehouse No.](#) **1040**

- Choose [Change Intervals](#).
- On the [Interval Maintenance: Number Range Object Warehouse Order, Subobject 1030](#) screen, enter:

No	From No.	To Number	Ext
01	0002000000	0009999999	[]

- Choose [Save](#).
- In the [Transport number range intervals](#) dialog box, choose [Continue](#).
- Choose [Back](#) (twice).

Number Ranges for Physical Inventory Documents

- In the [Choose Activity](#) dialog box, double-click [Number Ranges for Physical Inventory Documents](#).
- On the [Range Maintenance: WME Phys. Inv. Doc.](#) screen, enter:

[Warehouse No.](#) **1040**

- Choose [Change Intervals](#).
- On the [Interval Maintenance: Number Range Object WME Phys. Inv. Doc., Subobject 1030](#) screen, enter:

No	Year	From No.	To Number	Ext
01	9999	0000000000000001 00000	000000099999999 99999	[]

- Choose [Save](#).
- In the [Transport number range intervals](#) dialog box, choose [Continue](#).
- Choose [Back](#) (twice).

Assign Number Range Intervals to Warehouse Number

- In the [Choose Activity](#) dialog box, double-click [Assign Number Range Intervals to Warehouse Number](#).
- On the [Change View "Number Ranges for Whse Management": Overview](#) screen, make the following entries:

Warehouse Number	No.Rng	No. Range	WaveNoRg	NRInt. WO	VAS No.Rge	NRI Ind.Lab.Tsk	NRI PI Document	Description
1040	01	02		01			01	Warehouse Cross Industries

- Choose [Save](#).

4. Choose [Back](#).
5. To close the [Choose Activity](#) dialog box, choose [GRAPHIC REMOVED – INSERT HERE] [Cancel](#).

Note

Enter the corresponding warehouse number(s) in SAP EWM system of your SAP S/4HANA system that you configured there.

If you set up an SAP Best Practices Demo system you can use the following warehouse numbers:

1030 for DE version

1730 for US version

##30 for another country version, where you replace **##** with the corresponding country identifier.

Note

If you want to implement stock transfer processes between two plants and the corresponding warehouses you can repeat the steps above for warehouse number **1040**

If you set up an SAP Best Practices Demo system you can use the following warehouse numbers:

1040 for DE version

1740 for US version

##40 for another country version, where you replace **##** with the corresponding country identifier.

7.2.9.3 Define Number Range for HU Identification

Procedure

1. Access the activity as follows:

[IMG Menu\(SAP EWM\)](#)

[SCM Extended Warehouse Management](#) > [Extended Warehouse Management](#) > [Cross-Process Settings](#) > [Handling Units](#) > [External Identification](#) > [Define Number Range for HU Identification](#)

[Transaction Code](#)

/SCWM/HUID

2. On the [Range Maintenance: HU Identification](#) screen, enter:

[Warehouse No.](#)

1040

3. Choose [Change Intervals](#).

- On the *Interval Maintenance: Number Range Object HU Identification, Subobject 1030* screen, choose *Insert Line* to add an editable row.
- Enter these data into the new empty editable row:

No	From No.	To Number	Ext
01	00000000000000080000 0	00000000000000089999 9	[]

6. Choose *Save*.
7. In the *Transport number range intervals* dialog box, choose *Continue*.

7.2.9.4 Maintain Supply Chain Unit for Warehouse in SAP EWM

Procedure

1. Access the activity as follows:

SAP Menu	SCM Extended Warehouse ManagementExtended Warehouse ManagementMaster DataMaintain Supply Chain Unit
Transaction Code	/SCMB/SCUMAIN

2. On the *Supply Chain Unit: Initial Screen*, enter the following data:

Field Name	Description	User Action and Values	Comment
Supply Chain Unit		YWAREHOUSE-1040	
Type		1002	Distribution Center

- ### 3.Choose Create.

4. On the *Supply Chain Unit: Maintenance* screen, on the *General* tab, enter the following data:

Description	Warehouse 1040
Time Zone	CET

- 5.Navigate to the *Address* tab.

6. On the *Supply Chain Unit: Maintenance* screen, on the *Address* tab, enter the following data:

Title	Company
Name	Warehouse 1040
Search term	EWM
Postal Code/City	
Country	DE
Region	BW
Language	DE

7. Navigate to the *Alternative* tab.

8. Choose *Add Role*.

Business Attribute	Description
INV	WAREHOUSE
RO	GOODS RECEIPT OFFICE
SO	SHIPPING OFFICE

9. Choose *Save*.

Along with the Supply Chain Unit, the system implicitly creates a location of type <1002> using the same attributes as entered in the Supply Chain Unit creation transaction

7.2.9.5 Assign Warehouse Numbers in SAP EWM

1. Access the activity as follows:

IMG Menu(SAP EWM)

► *SCM Extended Warehouse Management* ► *Extended Warehouse Management* ► *Master Data* ► *Assign Warehouse Numbers* ►

Transaction Code

SPRO

2. In the *Determine Work Area: Entr* dialog box, enter:

Warehouse No.

1040

3. Choose *Continue*.
4. On the *Change View "Assignment: Warehouse Number/Business Partner": Overview* screen, choose *New Entries*.

- On the *New Entries: Details of Added Entries* screen, in the *Assignments: Warehouse Number/Business Partner* section, enter:

<i>Supply Chain Unit</i>	YWAREHOUSE - 1040
<i>Custodian</i>	10411020
<i>Dflt Pty Entld</i>	10411020
<i>Default Ship-To</i>	

- Choose *Save*.

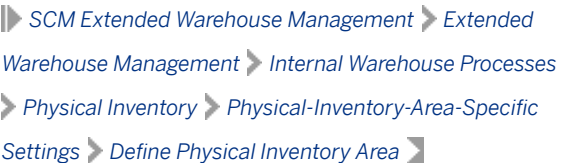
7.2.9.6 Define Physical Inventory Area in SAP EWM

Use

In this activity, you define a PI (Physical Inventory) Area, and you specify how to perform the PI within these areas. It might be necessary to define several PI areas if you want to perform the PI in different ways.

Procedure

- Access the activity as follows:

<i>IMG Menu</i>	
<i>Transaction Code</i>	SPRO

- On the *Change View "Physical Inventory Area": Overview* screen, choose *New Entries*.

3. Create the following settings:

Physi- cal In- ven- tory Area	Put- away PI	LSPI	LS Check	PstgAf- ter- Count	Dsp. Qty	Dsp. Obj.	HU Com- plete	Print Obj.	Qty	Compl- Check	Serial No.	Com- ment
YPI1_1040				[X]		[X]	[X]	[X]				
YPI2_1040				[X]		[X]	[X]	[X]				

4. Choose *Enter*.
5. Select the row with *Physical Inventory Area 1010_YPI1*,
6. In the *Dialog Structure*, double-click *Permitted Document Types*.
7. Choose *New Entries, and c* reate these entries:

Physical Inventory Area	Procedure
YPI1_1040	AS Annual Physical Inventory (Product-Specific)
YPI1_1040	HL Ad-hoc Physical Inventory (Storage-Bin-Specific)
YPI1_1040	HS Ad-hoc Physical Inventory ((Product-Specific)

8. In the *Dialog Structure*, double-click Physical Inventory Area.
9. Select the row with Physical Inventory Area *1040_YPI2*,
10. In the *Dialog Structure*, double-click Permitted Document Types.
11. Choose *New Entries, and c* reate these entries:

Physical Inventory Area	Procedure
YPI2_1040	AL Annual Physical Inventory (Storage-Bin-Specific)
YPI2_1040	HL Ad-hoc Physical Inventory (Storage-Bin-Specific)
YPI2_1040	HS Ad-hoc Physical Inventory ((Product-Specific)

12. Choose *Save*.

Note

If you set up an SAP Best Practices Demo system you can use the following physical inventory area:

YPI1_1040, **YPI2_1040** for DE version

YPI1_1740, **YPI2_1740** for US version

YPI1_##40, **YPI2_##40** for another country version, where you replace ## with the corresponding country identifier.

7.2.9.7 Assign Physical Inventory Area in SAP EWM

Use

In this activity, you assign the PI areas to activity areas. You have to sort these activity areas for the physical inventory activity.

Procedure

1. Access the activity as follows:

IMG Menu

► SCM Extended Warehouse Management ► Extended
Warehouse Management ► Internal Warehouse Processes
► Physical Inventory ► Warehouse-Number-Specific Settings
► Assign Physical Inventory Area to Activity Area ►

Transaction Code

SPRO

2. On the *Change View "Assign Physical Inventory Area to Activity Area": Overview* screen, choose *New Entries*.
3. Create the following entries:

Warehouse Number	AA	Physical Inventory Area
1040	Y001	1040_YPI1
1040	Y002	1040_YPI2

4. Choose *Save*.

Note

If you set up an SAP Best Practices Demo system you can use the following physical inventory area:

YPI1_1040, **YPI2_1040** for DE version

YPI1_1740, **YPI2_1740** for US version

YPI1_##40, **YPI2_##40** for another country version, where you replace ## with the corresponding country identifier.

7.2.9.8 Generate Storage Bin in SAP EWM

Procedure

1. Access the activity as follows:

SAP Menu

► *SCM Extended Warehouse Management* ► *Extended Warehouse Management* ► *Master Data* ► *Storage Bin* ► *Generate Storage Bins* ►

Transaction Code

/SCWM/LS10

2. In the *Determine Work Area: Entry* dialog box, enter **1040** in the *Warehouse Number* field
3. Choose *Continue*.
Remark: This dialog box might not always appear.
4. On the *Generate Storage Bins* screen, select first template – SqNo. 001.
5. In the following steps you will go through all templates one after the other:

Whse No.	SqNo.	St. Type	St. Section	St. Bin Type	Bin Access		St. Group	Comment
					Type			
1040	001	Y001	YS00	YNGB	YFL1			
1040	002	Y011	YS00	YNGB	YFL1			

6. Choose *Choose* (F2).
7. On the next *Generate Storage Bins* screen, choose *Create Bins*.
8. On the *Generate Storage Bins* screen, in the *To Generate* tab you should see in brackets the number of bins that will be generated, for example, *To Generate (60)*.
9. The planned number of bins to be generated per template is given in the table above in the *"Comment"* column.
10. Compare the number issued by the system with the number given in the table above for the respective Sequence/Template Number .

11. Do not create the bins if there is a deviation, but carefully check the template and correct any errors before you generate!!
12. Choose [Create](#).
13. In the [Create Storage Bins](#) dialog box Do you wish to create the bins?, choose [Yes](#).
14. The system creates the storage bins from the template.
15. You receive a system message xxx storage bins created. This number should be the same as in the table above (see "Comment").
16. Go [Back \(F3\)](#) to return to the template selection screen.
17. Repeat steps 4. to 16. for the remaining templates.

Note

If you set up an SAP Best Practices Demo system you can use the data :

Warehouse No.**1040** for DE version

1740 for US version

##40 for another country version, where you replace **##** with the corresponding country identifier.

7.2.9.9 Manual Creation of Storage Bins

Procedure

1. Access the activity as follows:

[Easy Access Menu\(SAP EWM\)](#)

[SCM Extended Warehouse Management](#) [Extended Warehouse Management](#) [Master Data](#) [Storage Bins](#) [Create Storage Bin](#)

[Transaction Code](#)

[/SCWM/LS01](#)

2. On the [Create Storage Bin](#) screen, create storage bins as follows:
3. Enter [Warehouse No.](#) 1040.
4. Use the values given in the tables below to create storage bins
5. Enter [Storage Bin](#): [see table](#)
6. Choose [Enter](#).
7. Enter [Storage Type](#): [see table](#)
8. Enter [Storage Section](#) [see table](#)
9. Enter [Stor.Group](#) [see table](#)
10. Choose [Save](#).
11. Message [Storage bin ...has been added](#) appears.

12. Repeat steps for the other bins given in the following table:

Field Name	1. Bin	2. Bin	3. Bin	4. Bin	5. Bin	6. Bin
<i>Warehouse Number</i>	1040	1040	1040	1040	1040	1040
<i>Storage Bin</i>	GR-YDI1	GI-YD01	PACK-IN	PAKC-OUT	970.00.00	SCRAP-ZONE
<i>Storage Type</i>	Y910	Y920	Y831	Y831	Y970	Y840
<i>Storage Section</i>	YI00	Y000	YS2I	YS10	YS00	YS00

ⓘ Note

If you set up an SAP Best Practices Demo system you can use the data :

Warehouse No.**1040**for DE version

1740 for US version

##40for another country version, where you replace ## with the corresponding country identifier.

7.2.9.10 Sort Storage Bins

Procedure

1. Access the activity as follows:

Easy Access Menu(SAP EWM)

► *SCM Extended Warehouse Management* ► *Extended Warehouse Management* ► *Master Data* ► *Storage Bin* ► *Sort Storage Bins* ►

Transaction Code

/SCWM/SBST

2. On the *Create Bin Sorting* screen, enter the following value:

Field Name	Input	Comment
<i>Warehouse Number</i>	1040	Your Warehouse Number
<i>Activity Area</i>		Leave blank

Field Name	Input	Comment
<i>Activity</i>		Leave blank

3. Choose *Execute (F8)*.
4. On the *Simulation of Bin Sorting*, screen, choose *Create Bin Sorting (F8)* .
5. The system issues a message *Sorting created successfully*.

📘 Note

If you set up an SAP Best Practices Demo system you can use the data :

Warehouse No.**1040**for DE version

1740 for US version

##40 for another country version, where you replace **##** with the corresponding country identifier.

7.2.9.11 Create Warehouse Products in SAP EWM

Use

In this step, the products (the actual products as well as the packaging materials) which are used in the business processes are initially **created as EWM warehouse products**.

All listed products have already been created in the S/4HANA system and were transferred via the CIF interface. This means, the ID as well as short description and other basic data already exist in the "SCM Product Master".

Now, the products are specifically created as **EWM warehouse products**.

Prerequisite

TG11 is already available for warehouse 1030 for 2VJ SAP EWM Integration - Inbound Processing and 2VK SAP EWM Integration – Outbound Processing.

7.2.9.11.1 TG11

Procedure

Access the activity as follows:

Easy Access Menu (SAP EWM)

► *SCM Extended Warehouse Management* ► *Extended Warehouse Management* ► *Master Data* ► *Product* ► *Maintain Warehouse Product* ►

Transaction Code

/SCWM/MAT1

1. On the *Display/Change/Create Warehouse Product* screen, create the following entries:

<i>Product Number</i>	TG11
<i>Warehouse No.</i>	1040
<i>Party Entitled to Dispose</i>	10411020

2. Choose *Create*.
3. On the *Warehouse Product Maintenance* screen, on the *Whse Data* tab, in the *Putaway* section, create the following entries:

<i>Putaway Control Ind.</i>	YQ01
<i>Planned Putaway Ctrl Ind.</i>	
<i>Storage Section Ind.</i>	

4. Choose *Save*
5. On the *Warehouse Product Maintenance* screen, make the following entries on the *St. Type Data* tab page:

Field Name	User Action and Values
<i>Storage Type</i>	Y002
<i>Min. Replenish. Qty</i>	1 PAL
<i>Minimum Quantity</i>	4 PAL
<i>Maximum Quantity</i>	12 PAL

6. Choose *Adopt Data*.
7. Choose *Save*.
8. Choose *Back*.

7.2.9.11.2 PMPAL00

Procedure

1. On the *Display/Change/Create Warehouse Product* screen, choose *Create*.

Field name	User action and values
<i>Product Number</i>	PMPAL00
<i>Warehouse No.</i>	1040
<i>Party Entitled to Dispose</i>	10411020

2. Choose *Save* (Ctrl+S).
3. Choose *Back*.

7.2.9.11.3 PMPALISU

Procedure

1. On the *Display/Change/Create Warehouse Product* screen, choose *Create*.

Field name	User action and values
<i>Product Number</i>	PMPALISU
<i>Warehouse No.</i>	1040
<i>Party Entitled to Dispose</i>	10411020

2. Choose *Save* (Ctrl+S).
3. Choose *Back*.

7.2.9.11.4 PMWBTRO

Procedure

1. On the *Display/Change/Create Warehouse Product* screen, choose *Create*.

Field name	User action and values
<i>Product Number</i>	PMWBTRO
<i>Warehouse No.</i>	1040
<i>Party Entitled to Dispose</i>	10411020

2. Choose *Save* (Ctrl+S).
3. Choose *Back*.

📘 Note

If you set up an SAP Best Practices Demo system you can use the data :

Warehouse No. **1040** for DE version

1740 for US version

##40 for another country version, where you replace **##** with the corresponding country identifier.

Party Entitled to Dispose **10411020** for DE version

17411720 for US version

##41##20 for another country version, where you replace **##** with the corresponding country identifier.

8 Interaction with the SAP Cloud Service Center

Customers communicating with SAP do so via the SAP ticketing system.

Use

Create a ticket to request that SAP supports with the set-up of the scope item.

Procedure

1. Create a ticket for component XX-S4C-OPR-SRV using the [SAP Support Launchpad](#) . You will need to provide the service center with the information listed in the table at the start of this guide.

9 Configuration User Interfaces

If customers need to maintain data via the configuration steps, the required activities are described in the following section:

Prerequisite

In order to carry out the following activity, a business user with a business role must exist.

The business role must contain the business catalog SAP_CORE_BC_COM (Communication Management), for example, the business role SAP_BR_ADMINISTRATOR (Administrator) is required.

The business role SAP_BR_BPC_EXPERT must be assigned to the user.

Procedure

Choose one of the following two options:

Configure your Solution

1. Log on to the SAP Fiori launchpad in the SAP S/4HANA Cloud Public Edition system.
2. Navigate to ► [End-to-End Implementation Experience](#) ► [Manage your Solution](#) ► [Configure your Solution](#) ►.

SAP Central Business Configuration

Log on to the [Project Experience](#) in SAP Central Business Configuration.

Log on as [Business Configuration Expert \(SAP_BR_BPC_EXPERT\)](#).

9.1 Batch Number Ranges

Procedure

Depending on your configuration environment for SAP S/4HANA Cloud Public Edition, choose one of the following options:

Configure Your Solution:

- Log on to the SAP Fiori launchpad in the SAP S/4HANA Cloud Public Edition system as a [Business Configuration Expert \(SAP_BR_BPC_EXPERT\)](#).
- Navigate to **Implementation Cockpit** > **Manage your Solution** > **Configure Your Solution**.
- For **Application Area**, select **Supply Chain**.
- As **Sub Application Area**, select **Batch Management**.
- Choose **Enter**.
- Expand the Batch Number Ranges line.
- In the Configuration Steps table, choose **Configure** for step **Define Batch Number Ranges**.

SAP Central Business Configuration:

Log on to the project experience in SAP Central Business Configuration.

Go to the [Business Processes Configuration](#) app.

To locate the activity in the tree view, search for the following activity: [Define Batch Number Ranges](#)

Choose [Open Documentation](#) for the found line item to see more details about this configuration activity.

Choose the link to navigate directly to the SAP S/4HANA Cloud Public Edition system.

Log on to the SAP Fiori launchpad as a [Configuration Expert - Business Process Configuration \(SAP_BR_BPC_EXPERT\)](#).

Step #	Step Name	Instruction	Expected Result	Example
1	On the Edit Intervals: Client batch number, Object BATCH_CLT screen, choose Change Intervals.	On the Edit Intervals: Client batch number, Object BATCH_CLT screen, choose Change Intervals .		
2	Enter Number Range 01	On the Edit Intervals: Client batch number, Object BATCH_CLT screen, make the following entries: Number range number: 01 From number: 0000000001 To number: 8999999999 Note There is a new upper limit for the interval that EWM can fill up from the top with batch numbers beginning with 9...		
3	Choose Insert Line	Choose Insert Line .		

Step #	Step Name	Instruction	Expected Result	Example
4	Enter Number Range 02	On the <i>Edit Intervals: Client batch number, Object BATCH_CLT</i> screen, make the following entries: <i>Number range number:</i> 02 <i>From number:</i> A <i>To number:</i> ZZZZZZZZZZ <i>External:</i> X		
5	Save your entries.	Save your entries.		

10 Appendix

10.1 Ticket Component

Enter the ACH component in which the customer should create a ticket in case of issues during configuration.

Implementation Step	Component	Comment
	SCWM-EWM-CNT	For issues concerning SAP Best Practices content

10.2 Message Monitoring and Troubleshooting using Application Interface Framework

Use

The SAP Application Interface Framework enables you to develop and monitor interfaces as well as execute error handling in a single framework residing in your SAP back-end system.

Procedure

For detailed information on the Application Interface Framework, visit the AIF help webpage on the SAP Help Portal at https://help.sap.com/viewer/product/SAP_APPLICATION_INTERFACE_FRAMEWORK/4.0/en-US

10.3 Adapt the Initial Stock Upload Template

Use

Adapt the Initial Stock Upload (ISU) template for uploading your own stock into the warehouse.

The template file can be downloaded from the following link:

https://support.sap.com/content/dam/SAAP/Sol_Pack/Library/Others/ISU_Template.CSV 

Procedure

1. The Initial Stock Upload template is provided in the format of the .CSV file, and it can be edited using a Microsoft Excel program.
2. The structure of the template is as shown below:

Col- umn	A	B	C	K	N	O	P	Q	U	V	W	Y
	POST- YPE	MATNR	OWNE R	ENTIT- ELED	QUAN	UNIT	HUTYP	LGPLA	PMAT	Ext.	HUI- DENT	TO- PHUI- DENT
	1						SN01	001.01. 01.01	PMPA- LISU	X	ISU_HU 01	ISU_HU 01
	4	TG11	104110 10	104110 10	1	PAL					ISU_HU 01	ISU_HU 01

Note

There are always 2 rows used in combination to construct ONE HU.

Explanation of the fields:

POSTYPE: Data entry numbering. DO NOT CHANGE!

MATNR: Product number. Use your own product number.

OWNER: The Business Partner that represents the owner of the stock. Usually it is the Business Partner for the plant.

ENTITELED: The Business Partner that represents the Party Entitled to Dispose. Use your own Business Partner number.

QUAN: Quantity of the Handling Unit.

UNIT: Unit of Measure of the Handling Unit.

HUTYP: Handling Unit Type. Use the HU Type defined in your customizing and assigned to the Packaging Material.

LGPLA: Storage Bin.

PMAT: Package Material number.

Ext.: Whether it is external number assignment for the Handling Unit.

HUIDENT: The Handling Unit number.

TOPHUIDENT: The Handling Unit number of the top level

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