

SAP S/4HANA
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English

Warehouse Related Organization Data [Local] (BKR)

Building Block Configuration Guide

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Revision	Change Date	Description
0		

Only add a revision when corrections are made to a published document. Do not change the original published date. Set back to revision 0 after a full upgrade of the BB.

Icons

Icon	Meaning
	Caution
	Example
	Note
	Recommendation
	Syntax

Typographic Conventions

Type Style	Description
<i>Example text</i>	Words or characters that appear on the screen. These include field names, screen titles, pushbuttons as well as menu names, paths and options. Cross-references to other documentation.
Example text	Emphasized words or phrases in body text, titles of graphics and tables.
EXAMPLE TEXT	Names of elements in the system. These include report names, program names, transaction codes, table names, and individual key words of a programming language, when surrounded by body text, for example, SELECT and INCLUDE.
Example text	Screen output. This includes file and directory names and their paths, messages, source code, names of variables and parameters as well as names of installation, upgrade and database tools.
EXAMPLE TEXT	Keys on the keyboard, for example, function keys (such as F2) or the ENTER key.
Example text	Exact user entry. These are words or characters that you enter in the system exactly as they appear in the documentation.
<Example text>	Variable user entry. Pointed brackets indicate that you replace these words and characters with appropriate entries.

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Warehouse Related Organization Data [Local]: Configuration Guide

1 Purpose

The purpose of this document is to describe the general configuration steps required to manually set up the configuration within the system landscape that has already been installed using the corresponding installation or configuration guides for installation.

If you want to install SAP S/4HANA locally (on-premise) and if you do not want to configure manually and prefer an automated installation process using BC Sets and other tools, you can set up a best-practice client and activate the implementation content. For more information, see the *Administration Guide for the Implementation of SAP S/4HANA, on premise edition* which is linked in the content library (included in the documentation package).

2 Preparation

2.1 Prerequisites

Before you start installing this scenario, you must install the prerequisite building blocks. For more information, see the *Building Block Prerequisites Matrix*.

2.2 Supported Deployments

The configuration guide provides the implementation content for the SAP S/4HANA products:

- SAP S/4HANA – (OP) installed locally (on-premise), full scope and content coverage

Depending on the use case/deployment option/ S/4HANA product version, you need to implement the required scope/content starting with the Public cloud chapter and proceed with the next required sections.

- For the full scope of the on premise scope & content – PC and OP are required

3 Configuration

The following section describes the complete settings for this building block. These settings can be divided into three main groups:

- Prerequisite settings that have to be checked and which were delivered by SAP (as part of the standard delivery)

The term *Check* refers to these prerequisite settings.

- Settings defined by the customer (in the customer namespace and customer-specific):

The system uses automation to request individual customer settings during the personalization process. These settings can be initial or reused from existing SAP ERP layers and are indicated in the text by <your value>.

- Additional settings that need to be made, covered either by automation or manual configuration (in the customer namespace).

The term *Create* refers to these additional settings in the text.

3.1 Configure Warehouse Number

3.1.1 Define Warehouse Number

1. Access the activity as follows:

IMG Menu	<i>Enterprise Structure → Definition → Logistics Execution → Define, copy, delete, check warehouse number</i>
Transaction Code	SPRO

- On the *Select Activity* dialog box, double-click *Define warehouse number*.
- On the *Change View "Define warehouse number": Overview* screen, choose *New Entries*.
- On the *New Entries: Details of Added Entries* screen, create the following entries:

WhN	Warehouse no. description
171	EWM: Cross Industries

- Choose  *Save*.
- To close the *Choose Activity* dialog box, choose  *Cancel*.

3.1.2 Delivery Split by Warehouse Number

In this IMG activity, you can make settings so that deliveries within one warehouse are created automatically for specific warehouse numbers and delivery types, and a delivery split is carried out if necessary. In the case of a delivery within one warehouse, all storage locations of the delivery items must belong to one warehouse number, or they can have no warehouse number assigned to them. If this does not apply to the items of an order, then several deliveries are created automatically.

You need to make the appropriate setting for each delivery type and warehouse number for automatic creation of deliveries within one warehouse. Both settings are required. Here you maintain the settings for warehouse number.

- Access the activity as follows:

IMG Menu	<i>Logistics Execution → Shipping → Deliveries → Define Split Criteria for Deliveries → Delivery Split by Warehouse Number</i>
Transaction Code	SPRO

- On the *Select Activity* dialog box, double-click *Determine delivery split per warehouse number*.
- On the *Change View "Delivery split by warehouse number": Overview* screen, check or create the following settings:

Warehouse No.	Warehouse no. description	Deliv.split by whse number
171	EWM Cross Industries	X

- Choose  *Save*.
- Choose  *Back*.
- To close the *Choose Activity* dialog box, choose  *Cancel*.

3.1.3 Configure SAP EWM-Specific Parameters

- Access the activity as follows:

IMG Menu	<i>Logistics Execution → Extended Warehouse Management Integration → Basic Setup of Connectivity → Configure SAP EWM-Specific Parameters</i>
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Transaction Code	SPRO
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2. On the *Change View "Extended Warehouse Management system": Overview* screen, select this row:

WhN	Whse no. description
171	EWM Cross Industries

3. Create the following entries:

Field name	User action and values	Comment
WhN	171	Warehouse to be mapped to EWM Warehouse.
Whse no. description	EWM Cross Industries	
Ext. WM	E - ERP with EWM (Extended Warehouse Management)	
Comm. WM	Q - Queued and Serialized Asynchronous RFC	
UD	[]	Not marked = do not distribute Unchecked Deliveries to warehouse
Dist. Mode	[] - Distribution Immediately at Document Creation	
	Choose Enter	To make the following fields editable
SN Dec. WM	X	Marked automatically during saving. Marked = Serial Numbers allowed.
BatchDetEW	X	Automatic batch determination during outbound delivery creation runs without specific batch selection, but does only replicate the batch selection criteria to SAP EWM, where then a batch search is executed.
GR fr. EWM Only	[]	

4. Choose  Save.

3.1.4 Assign Warehouse Number to Warehouse Number of Decentralized SCM System

Use

In this IMG activity, you assign the EWM warehouse number to the warehouse number on S/4 HANA side. You need this assignment to select the materials required in Extended Warehouse Management during distribution of the material master data.

Procedure

1. Access the activity as follows:

IMG Menu	<i>Integration with Other SAP Components → Extended Warehouse Management → Assign Warehouse Number to Warehouse Number of Decentralized SCM System</i>
Transaction Code	SPRO

- On the *Change View "Assign Warehouse No. to Warehouse No. of Decent. SCM System": Overview* screen, create the following entries:

WhN	Whse no. description	WHN.DecSCM	Comment
171	EWM Cross Industries	1710	171 = Warehouse number on ERP side 1710 = Warehouse number on EWM side

- Choose  Save.

3.2 Plant-Specific Settings

Use

The warehouse number is assigned via the plant/storage location combination. Further storage locations are used as a stock separator for inventory management.

Prerequisites

The plant **1710** exists.

3.2.1 Create Storage Locations

Procedure

- Access the activity as follows:

IMG Menu	<i>Enterprise Structure → Definition → Materials Management → Maintain storage location</i>
Transaction Code	OX09

- In the *Determine Work Area: Entry* dialog box, make the following entry:

Plant	1710
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- Choose  Continue.
- On the *Change View "Storage Locations": Overview* screen, choose *New Entries*.
- On the *New Entries: Details of Added Entries* screen, create the following entries:

SLoc	Description	Comment
171D	EWM Rec. on Dock	Stock in this storage location is not considered by Availability Check in Sales Order / Outbound Delivery items as they directly refer to 171S storage location
171S	EWM Av. for Sale	<i>Available for Sale</i> storage location used in sales order and outbound delivery items

- Choose  Save.

7. Choose  Back.

3.2.2 Assign Warehouse Number to Plant/Storage Locations Procedure

1. Access the activity as follows:

IMG Menu	<i>Enterprise Structure → Assignment → Logistics Execution → Assign warehouse number to plant/storage location</i>
Transaction Code	SPRO

2. On the *Change View "MM-IM Storage Location <> LE-WM Warehouse Number"*: Overview screen, choose *New Entries*.
 3. On the *New Entries: Details of Added Entries* screen, enter:

Plnt	SLoc	WhN	Warehouse no. description
1710	171D	171	EWM Cross Industries
1710	171S	171	EWM Cross Industries

4. Choose  Save.
 5. Choose  Back.

3.2.3 Assign Picking Locations

1. Access the activity as follows:

IMG Menu	<i>Logistics Execution → Shipping → Picking → Determine Picking Location → Assign Picking Locations</i>
Transaction Code	OVL3

2. On the *Change View "Picking Location Determination"*: Overview screen, choose *New Entries*.
 3. On the *New Entries: Details of Added Entries* screen, create the following entries:

ShPt	Plnt	SC	SLoc
1710	1710	YE	171S

4. Choose  Save.
 5. Choose  Back.



The picking location is determined during outbound delivery creation.

3.2.4 Assign Goods Receiving Points for Inbound Deliveries

1. Access the activity as follows:

IMG Menu	<i>Logistics Execution → Shipping → Basic Shipping Functions → Shipping Point and Goods Receiving Point Determination → Assign Goods Receiving Points for Inbound Deliveries</i>
Transaction Code	SPRO

1. On the *Change View "Assign Shipping Point as goods Receiving Point to Plant/Storage Location"* screen, choose *New Entries*.
2. On the *New Entries: Details of Added Entries* screen, create the following entries:

Plant	Stor. Loc.	Shipping Point	Sequence Number
1710	171D	1710	
1710	171S	1710	

3. Choose  **Save**.

3.3 Maintain Supply Chain Unit for Warehouse Procedure

1. Access the activity as follows:

SAP Menu	<i>SCM Extended Warehouse Management → Extended Warehouse Management → Master Data → Maintain Supply Chain Unit</i>
Transaction Code	<i>/SCMB/SCUMAIN</i>

2. On the *Supply Chain Unit: Initial Screen*, enter the following data:

Field Name	Description	User Action and Values	Comment
Supply Chain Unit		YWAREHOUSE-1710	
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 1710
Time Zone	PST

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 01
Search term	EWM
Postal Code/City	94304
Country	US
Region	CA
Language	EN English

7. Navigate to the *Alternative* tab.
8. Choose the  **Add Role** button to add the following entries. In case a role already exists, leave it and only add the missing ones. For each entry, you need to use the  **Add Role** button.

Business Attribute	Description
INV	WAREHOUSE
RO	GOODS RECEIPT OFFICE

SO	SHIPPING OFFICE
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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

4 Manual Build Steps

Some settings cannot automatically be transported between systems or clients. In these cases, you either transport the settings manually, if possible, or make the settings in the target system or client.

The following table lists the configuration activities where automatic transport is not possible. Refer to the details and sequence in the sections above.

Configuration activity	Manual transport possible	Manual action in target system / client required	Remarks
3.3 Maintain Supply Chain Unit for Warehouse	No	Yes	