

Solution: WM I Challenge

Learning Objective Understand and perform a warehousing process for ext. goods.

Motivation After you finished the *Warehouse Management I* case study successfully you should now be able to solve the following challenge.

Scenario The warehouse management system has been tested without any problems, so the management decided to use the system productively. Now your task is to order two different products (water bottles and road helmets) from the supplier *Spy Gear*, 50 pieces each. A water bottle will cost 11 USD and a road helmet will cost 27 USD. The trading goods should be delivered in 8 days.

After the goods arrived in your Distribution Center in San Diego, they need to be transferred in two different bins.

Task Information You can use the *Warehouse Management I* case study as a guideline, but it is recommended to complete this challenge without further assistance to prove your WM skills.

Create Purchase Order



Create Purchase
Order

To create a purchase order, use the app *Create Purchase Order*. Change the type of purchase order to **Standard PO**.

In the *Supplier* field press F4. Enter **Spy Gear** as *Name* and your **search term**. Then press Enter.

Standard PO

Spy Gear
Search term

Restrict Value Range (1) ✕

Suppliers (General) Suppliers by Country/Company Code Suppliers by Company Code ...

Search term:

Country:

Postal Code:

City:

Name:

Supplier:

Deletion flag:

Maximum No. of Hits:

Choose the number of your vendor with double click. Confirm your entry by pressing Enter. Accept any warning messages with Enter.

Fill in **US00** as Purch.Org., **N00** as Purch. group and **US00** as Company Code.

US00
N00
US00

SAP Create Purchase Order 🔍 ?

Document Overview On 📄 📄 📄 Hold 🔊 🗣️ 🗣️ Print Preview Messages 📄 📄 More 🔍 📄

NB Standard PO

Delivery/Invoice Conditions Texts Address Communication Partners Additional Data Org. Data

Purch. Org.:

Purch. Group:

Company Code:

Select to expand the Item Overview. Enter **BOTL1###** as Material (replace ### with your number), **50** as PO Quantity, as Delivery Date **8 days from today**, as Net Price **11 USD**, **SD00** as Plant and **TG00** as Storage Location.

BOTL1###
50
8 days from today
11 USD
SD00
TG00

For the road helmets enter **RHMT1###** as Material (replace ### with your number), **50** as PO Quantity, as Delivery Date **8 days from today**, as Net Price **27 USD** and **SD00** as Plant.


RHMT1##
50
8 days from today
27 USD
SD00
TG00

Confirm your entries by pressing Enter and then enter **TG00** as Storage Location. Compare your entries with the screenshot below.

S...	Itm	A	I	Material	Short Text	PO Quan...	O...	C	Deliv. Date	Net Pr...	Curr...	P..	O..	Matl Group	Plant	Stor. Location
<input type="checkbox"/>	10			BOTL1000	Water Bottle	50	EA	D	06/21/2022	11.00	USD	1	E..	Utilities	DC San Diego	Trading Goods
<input type="checkbox"/>	20			RHMT1000	Road Helmet	50	EA	D	06/21/2022	27.00	USD	1	E..	Safety Gear	DC San Diego	Trading Goods

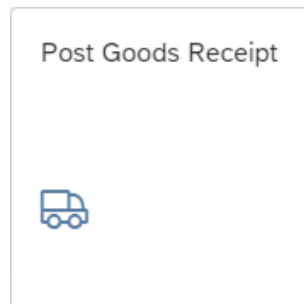
Then, click on to save your order. The system will assign a Standard PO document number.

Document number

Click on  to return to the SAP Fiori Launchpad.

Receive Goods


With the app *Post Goods Receipt*, you receive your goods.



Change the material document in the drop down menu to **Goods Receipt**, adjust the type of Goods Receipt to a **Purchase Order**, and input your **Purchase Order Number** in the blank space next to it.

Goods Receipt
Purchase Order
Purchase Order Number

If you have not written down the PO number you created in the first task, you may use the F4 help in the PO number field (first blank field next to the second drop-down field).

In the following screen, use  to choose the *Purchasing Documents for Material* tab. Then, enter **BOTL1###** as material and press Enter.

BOTL1###

Purchasing Document Number (1) ✕

▼ Purchasing Documents per Supplier
 Purchasing Documents for Material

Material:

Plant:

Purch. Doc. Category:

Order Type:

Purchasing Document:

Item:

Maximum No. of Hits:

Now double click on your entry.

After your order is filled in, please blank out the position field (field behind your order number).

< SAP Goods Receipt Purchase Order - Learn-000 Learn-000

Show Overview Services for Object ▼ More ▼


A01 Goods Receipt ▼

R01 Purchase Order ▼

4500000025

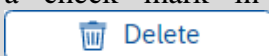
Note If you do not clear this field, only one of the two line items of your purchase order may be transferred.


Then press Enter.

After your purchase order data comes up. Select the check boxes in the **OK** column. If one of the boxes is grayed out, click on  to close the Detail Data Screen. Make sure that Quantity is **50**, SLoc is **TG00**, Movement Type is **101** and Stock Type is **Unrestricted Use**.


OK
50
TG00
101
Unrestricted Use

Note If the check mark in the **OK** column is not captured yet, select the document number a second time. Now you have four columns available. Put a check mark in the last two of the **OK** column and click on



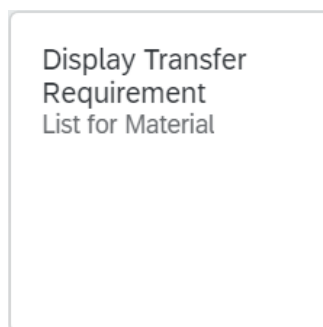
Then, click on  to save your receipt. The system will assign a unique material document number.

Material Document
Number

Click on  to return to the SAP Fiori Launchpad.

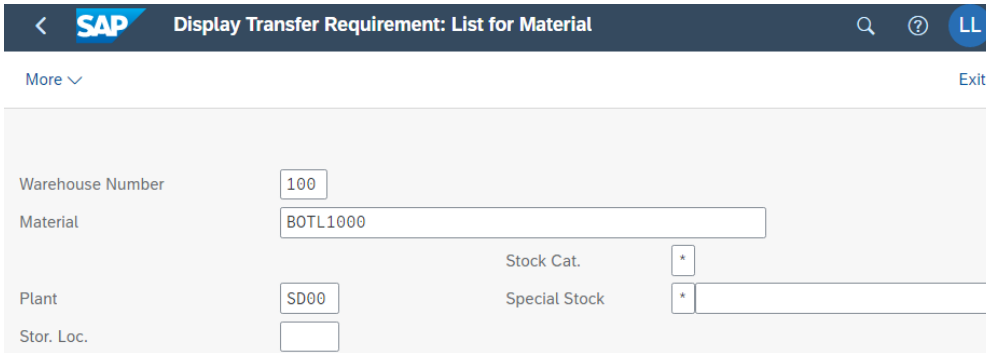
Create Transfer Order

With the app *Display Transfer Requirement – List for Material*, you can create a transfer order.



In the *Display Transfer Requirement: List for Material* screen, enter **100** (for your San Diego Warehouse) as Warehouse Number, **BOTL1###** as Material (replace ### with your number) and **SD00** as Plant. Then press Enter.

100
BOTL1###
SD00



Display Transfer Requirement: List for Material

Warehouse Number: 100

Material: BOTL1000

Plant: SD00

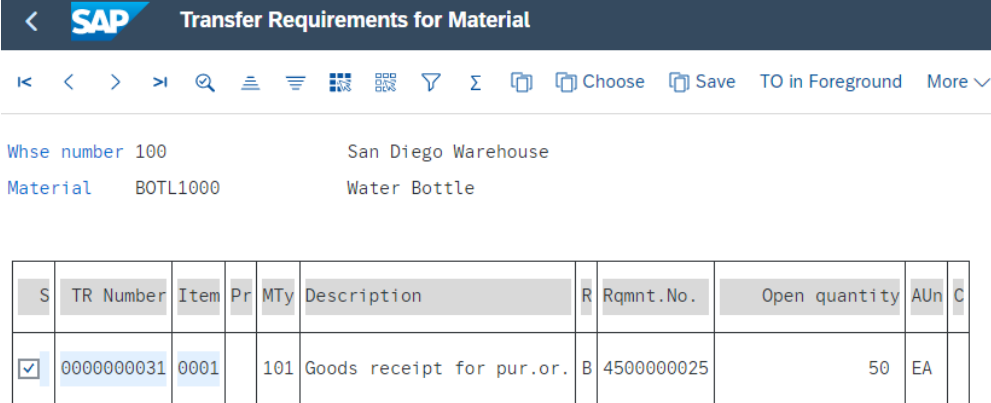
Stock Cat.: *

Special Stock: *

Stor. Loc.:

In the *Transfer Requirements for Material* screen, you should see a line item describing the goods just received for your purchase order. The requirement number should be the same as the purchase order number you received earlier.

Make sure that the line item is selected and click on the **TO in Foreground** button.



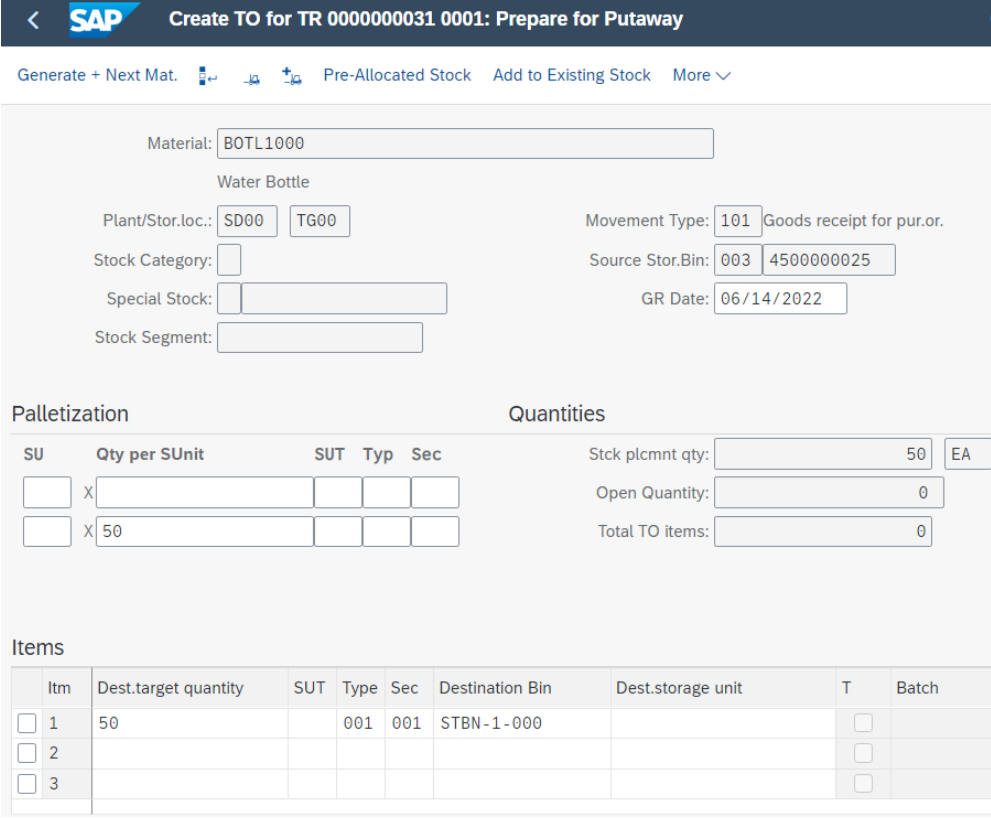
SAP Transfer Requirements for Material

Whse number 100 San Diego Warehouse
Material BOTL1000 Water Bottle

S	TR Number	Item	Pr	MTy	Description	R	Rqmnt.No.	Open quantity	AUn	C
<input checked="" type="checkbox"/>	0000000031	0001		101	Goods receipt for pur.or.	B	4500000025	50	EA	

In the *Create TO for TR 00000000XX 0001: Prepare for Putaway* screen, hit Enter to copy your quantity of 50 from the *Palletization* section to the *Items* section. Enter **001** as Sec, **STBN-1-###** as Destination Bin (replace ### with your number) and use F4 to select **Shelf Storage** as Type. Confirm your entries by pressing Enter.

001
STBN-1-###
001 (Shelf Storage)



SAP Create TO for TR 0000000031 0001: Prepare for Putaway

Generate + Next Mat. Pre-Allocated Stock Add to Existing Stock More

Material: BOTL1000
Water Bottle

Plant/Stor.loc.: SD00 TG00 Movement Type: 101 Goods receipt for pur.or.
Stock Category: Source Stor.Bin: 003 4500000025
Special Stock: GR Date: 06/14/2022
Stock Segment:

Palletization **Quantities**

SU	Qty per SUnit	SUT	Typ	Sec	Stck plcmnt qty:	Open Quantity:	Total TO items:
<input type="checkbox"/>	X				50	0	0
<input type="checkbox"/>	X	50					

Items

Itm	Dest.target quantity	SUT	Type	Sec	Destination Bin	Dest.storage unit	T	Batch
<input type="checkbox"/>	1	50		001	001	STBN-1-000	<input type="checkbox"/>	
<input type="checkbox"/>	2						<input type="checkbox"/>	
<input type="checkbox"/>	3						<input type="checkbox"/>	

Then, click on **Posting** to save your transfer order. If any warnings occur ignore them by pressing Enter. The system will assign a unique transfer order number.

Please write down this number.

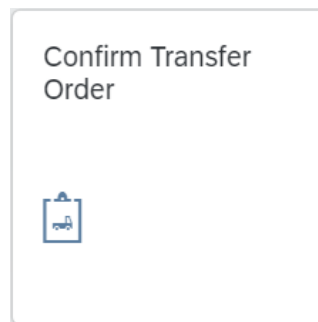
Repeat the whole procedure for your material **RHMT1###**. Choose **STBN-2-###** as storage area, to deposit the road helmets to another storage area. Again, use **Shelf Storage** as Type. Here, we have a second transfer order. The system gives a second number for your transfer order.

Please write down this number.

Click on **SAP** to return to the SAP Fiori Launchpad.

Confirm Transfer Order

To confirm the transfer order, use the app *Confirm Transfer Order*.



In the *Confirm Transfer Order: Initial Screen*, enter the **Transfer Order Number** from the previous task and **100** as Warehouse Number. Then press Enter.

Note If you have not written down the number you can search for it using the app *Display Transfer Order*.

In the *Confirm Transfer Order: Overview of Transfer Order Items* screen you should see an overview of your transfer order created in the previous step. Review all of the details to make sure you have the correct quantity and storage bin.

Transfer Order Number

RHMT1###
STBN-2-###
001

Transfer Order Number

Transfer Order Number
100

Confirm Internally Enter Actual Data More

Warehouse No.: Creation Date:

TO Number: Group:

Active worklist Inactive items Confirmed intern. Confirmed

Item	Material	Plnt	Batch	Stock Segment	De...	Dest. Bin	Actual qty	
<input type="checkbox"/> 1	BOTL1000	SD00			001	STBN-1-000	50	

Then, click on **Posting** to confirm your transfer order. The system will return a success message.

Repeat this step for your other transfer order number (second material). Also here, the system will return a success message.

Click on **SAP** to return to the SAP Fiori Launchpad.

Repeat
for other transfer order
number