

Solution: WM IV Challenge

Learning Objective Conduct a physical inventory in the warehouse management.

You have successfully gone through the Case Study *Warehouse Management IV*. Now you are able to demonstrate and to apply your knowledge. For this purpose, you should solve the following additional task on your own.

Scenario As a warehouse manager, you are in control of the necessary physical inventories within your warehouse. The San Diego warehouse applies the method of continuous inventory. In the course of this inventory, your aim is to check all storage locations of the storage type *pallet storage*.

In the course of the physical inventory of the storage bin STBN-9-###, which is listed as empty, 120 units of your off-road helmets (*OHMT1###*) are found in storage location *TG00*. Strict investigations revealed that they were part of the last delivery and were not entered into the system at all. The goods were also put away into the wrong storage bin, as STBN-3-### would be the standard bin for them. Start this physical inventory within the system, add the count and clear it.

To reconcile the stocks, use a transportation order in order to restore the 120 units from the storage bin STBN-9-### to the storage bin STBN-3-###.

Task Information You are free to use the Case Study *Warehouse Management IV* as an aid. It is however recommended to accomplish this advanced task without any help in order to thus put your acquired knowledge to a test.

Create and activate a physical inventory document

To create a physical inventory document, use in the *Warehouse Management* area on the *Physical Inventory* page in the *Warehouse Supervisor* role the app *Carry out Continuous Inventory*.



In the screen *Carry out Continuous Inventory*, enter **100** as Warehouse number, **002** as Storage type, **STBN-*-###** (do not forget to replace ### with your number) as Storage bin and **LEARN-###** as Name of counter. Also make

Fiori App

100
002
STBN-*-###
LEARN-###
Deselect only bins not
yet counted

sure that the value **Only bins not yet counted** is not selected (this also displays storage bins from completed inventories).

Confirm your entries with **Execute**.

SAP Carry out Continuous Inventory

Save as Variant... More

* Warehouse number: 100

* Storage type: 002

Storage bin: STBN- *-000 to:

Program parameters

Count date: 06/16/2022

Group number:

No. of bins per inv. record:

Required number of bins:

Bins with qty. less than:

No activity since (no. of days):

Max. no. of quants per bin:

Only empty bins: ☐

with dynamic storage bins: ☐

Only bins not yet counted: ☐

Only bins that can be counted: ☒

Name of counter: LEARN-000

In the following screen, deselect all storage bins except for **STBN-9-###**.

STBN-9-###

SAP Continuous Inventory: List Sorted by Number of Quants


Display Storage Bin


Continuous Inventory: List Sorted by Number of Quants

Whse number 100 San Diego Warehouse

Stor.ty. 002 Pallet Storage

S	StorageBin	Sec	Last mvmt	Quants	Inv	Notes
<input type="checkbox"/>	STBN-7-000	001	06/11/2022	1		
<input type="checkbox"/>	STBN-8-000	001	08/22/2021	2		
<input checked="" type="checkbox"/>	STBN-9-000	001	06/16/2022	2	PZ	

Now click on  to activate your selection and thus create a physical inventory document. Through this process, the selected storage bins are blocked against stock putaways and stock removals.

Click on  to return to the SAP Fiori Launchpad.

Enter count results

To enter your count results, use in the *Warehouse Management* area on the *Physical Inventory* page in the *Warehouse Employee* role the app *Enter Inventory Count*.

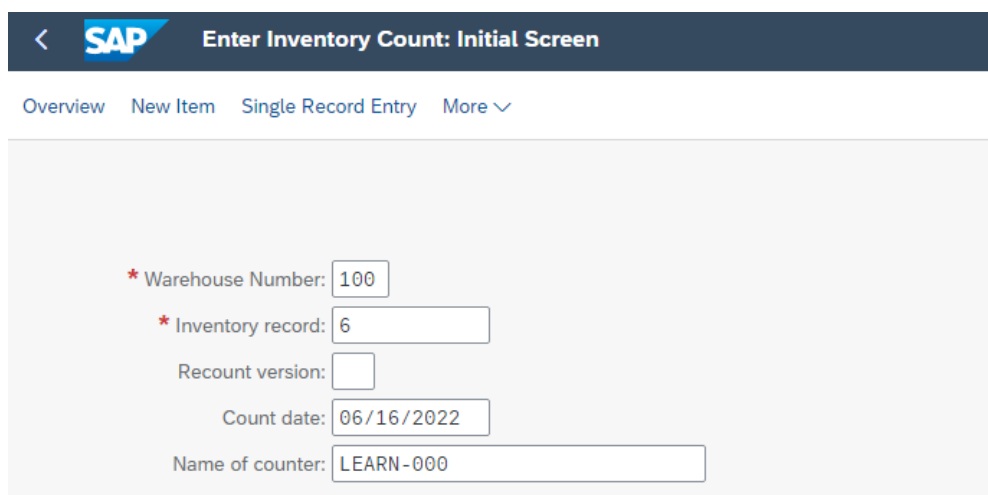
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In the screen *Enter Inventory Count: Initial Screen*, enter **100** as Warehouse Number and **today's date** as Count date. Enter **your Inventory Record** number if it is not entered automatically. If you cannot remember your inventory record, please re-simulate the transaction of the previous step in order to find it. Also please enter **LEARN-###** as name of counter. Press Enter to confirm your entries.

100
Inventory Record
Number
Today's date

LEARN-###



In *Enter Inventory Count: Overview* click on . In *Enter Inventory Count: New Items* screen, enter **STBN-9-###** as Storage Bin, **OHMT1###** as Material, **SD00** as Plant, **120** as Counted quantity. Please enter **LEARN-###** as name of counter. **TG00** must be specified as Storage Location (cause off-road helmets are classified as trading goods). Then press Enter.

STBN-9-###
OHMT1###
SD00
120
LEARN-###
TG00

SAP Enter Inventory Count: New Items

Overview Single Record Entry More ▾

Warehouse No.: 100 San Diego Warehouse
 Storage Type: 002 Pallet Storage Count date: 06/17/2022
 Inventory rec.: 7

Items

Item	Stor. Bin	Material	B.. S.. Plnt	S	Counted quantity	AUn	Zero	Q.. S..	SUT	Name of counter	SLoc
	STBN-9-000	OHMT1000		SD00	120		<input type="checkbox"/>			LEARN-000	TG00

A screen will open in which you will have to enter **today's date** as the *goods receipt date* (GR Date) and confirm the value of the counted quantity by pressing Enter.

Today's date

You will receive the following message:

✓ Material found; old stock = 0

Press Enter again.

Afterwards you will be in the screen *Enter Inventory Count: New Items*.

Click on **Overview** and you will get back to the *Enter Inventory Count: Overview*.

For the materials already stored in the case study, enter the **same quantities** as in the case study as *Counted quantity* (for ORMN1### enter 30, for ORWN1### enter 10). Please also enter **LEARN-###** as name of counter for both positions.

Same quantities
 30
 10
 LEARN-###

SAP Enter Inventory Count: Overview

New Item Single Record Entry More ▾

Warehouse No.: 100 San Diego Warehouse
 Storage Type: 002 Pallet Storage Count date: 06/17/2022
 Inventory rec.: 7

Items

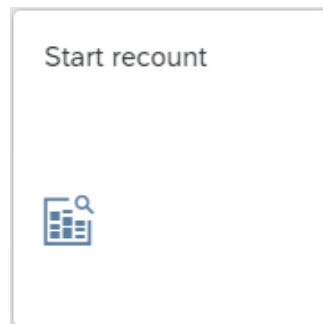
Item	Stor. Bin	Material	Plnt	S	Counted quantity	AUn	Zero	SUT	Name of counter	SLoc
1	STBN-9-000	OHMT1000	SD00		120	EA	<input type="checkbox"/>		LEARN-000	TG00
1	STBN-9-000	ORMN1000	SD00		30		<input type="checkbox"/>		LEARN-000	FG00
1	STBN-9-000	ORWN1000	SD00		10		<input type="checkbox"/>		LEARN-000	FG00

Press **Save** to update your physical inventory document with the count results.

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

Start recount

To order to enter the recount, use in the *Warehouse Management* area on the *Physical Inventory* page in the *Warehouse Supervisor* role the app *Start recount*.



In the screen *Start Recount: Initial Screen*, the number of **your Inventory record** and **100** as Warehouse Number should already be listed. If they are not listed, please fill in the boxes. Click Enter.

Your inventory record
100

< **SAP** Start Recount: Initial Screen

Display List More ▾

* Warehouse Number:

* Inventory record:

Make sure that your storage bin STBN-9-### is selected for the recount and start it by clicking [Initiate Recount](#).

STBN-9-###

< **SAP** Start Recount: Overview

Initiate Recount Count Information More ▾


Start Recount: Overview

Warehouse Number 100 San Diego Warehouse

Storage Type 002 Pallet Storage

Phys. Inv. No. 7

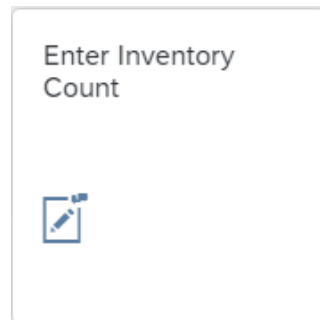
StorageBin	Material	Batch	Plnt SLoc S +/- sign	Difference [%]	Value difference
<input checked="" type="checkbox"/> STBN-9-000					
	OHMT1000		SD00 TG00	+	999.99
	ORMN1000		SD00 FG00		0.00
	ORWN1000		SD00 FG00		0.00

Click on  to return to the SAP Fiori Launchpad.

Enter recount

To enter the count result of the recount, use in the *Warehouse Management* area on the *Physical Inventory* page in the *Warehouse Employee* role the app *Enter Inventory Count*.

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In the screen *Enter Inventory Count: Initial Screen*, enter **100** as Warehouse Number, **1** as Recount version and **today's date** as Count date. Please enter your **Inventory Record Number** if it is not already listed. Confirm your entries by pressing Enter.

100
1
Today's date
Inventory Record
Number


In the screen *Enter Inventory Count: Overview*, enter for your the Materials **OHMT1###**, **ORMN1###**, **ORWN1###** the same data that was entered in the first count. Please enter **LEARN-###** as Name of counter for the positions. Press Enter.

120, 30, 10

LEARN-###

Item	Stor. Bin	Material	B..	S...	Plnt	S	Counted quantity	AUn	Zero	Quant	Storage Unit	SUT	Name of counter
1	STBN-9-000	OHMT1000			SD00		120		<input type="checkbox"/>	10081			LEARN-000
1	STBN-9-000	ORMN1000			SD00		30		<input type="checkbox"/>	7010			LEARN-000
1	STBN-9-000	ORWN1000			SD00		10		<input type="checkbox"/>	6010			LEARN-000

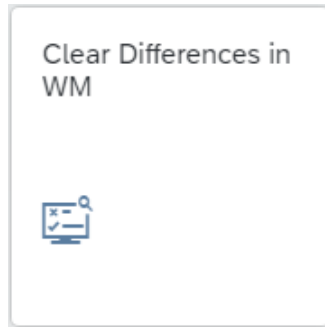
A new screen that will open subsequently. You have to confirm the data by pressing Enter. Click **Save** in order to update your physical inventory document with the recount results.

Click on  to return to the SAP Fiori Launchpad.

Clear differences in the warehouse management

To order to clear the differences, use in the *Warehouse Management* area on the *Physical Inventory* page in the *Warehouse Supervisor* role the app *Clear Differences in WM*.

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In the screen *Clear Differences in WM: Initial Screen*, the Warehouse Number **100** and the number of **your Inventory record** should already be entered. If this is not the case, please enter the corresponding figures. Press Enter.

100
Your Inventory Record

The screenshot shows the SAP Fiori launchpad header with the title 'Clear Differences in WM: Initial Screen'. Below the header, there are two input fields: '* Warehouse Number:' with the value '100' and '* Inventory record:' with the value '6'.


In the list of differences, select your storage bin **STBN-9-###**. Afterwards, press **Write Off**.

STBN-9-###

The screenshot shows the SAP Fiori launchpad header with the title 'Clear Differences in WM: List of Differences'. Below the header, there are several icons and a 'Write Off' button. The main content area shows the following information:

Warehouse Number 100 San Diego Warehouse
Storage Type 002 Pallet Storage
Phys. Inv. No. 7

StorageBin	Material	Batch	PLnt SLoc S S +/- sign	Difference [%]	Value difference
<input checked="" type="checkbox"/> STBN-9-000					
	OHMT1000		SD00 TG00	+	999.99
	ORMN1000		SD00 FG00		0.00
	ORWN1000		SD00 FG00		0.00

Click on  to return to the SAP Fiori Launchpad.

Clear the differences in the inventory management

To clear the differences in the inventory management, use in the *Warehouse Management* area on the *Physical Inventory* page in the *Warehouse Supervisor* role the app *Clear Differences in Inventory Management*.

Fiori App



In the screen *Clearing of Differences in Inventory Management*, enter **100** as Warehouse number and **999** as Storage type. Press **Execute**.

100
999


In the screen *List of Quants for Difference Posting in Inventory Management*, select your Material **OHMT1###**. Make sure that no other elements are selected.

OHMT1###

St	StorageBin	Material	Plnt	SLoc	Available stock	BUn	Batch	Stock Segment
<input checked="" type="checkbox"/>	0000000007	OHMT1000	SD00	TG00	120-	EA		

The following protocol appears after clicking **Write Off**.

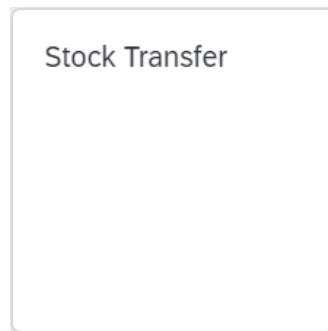
Log for Difference Clearing			
<div> 68 Technical Information More </div>			
Type	Material Doc.	MatYr	Message Text
	4900032105	2022	Material Document Was Created

Click on  to return to the SAP Fiori Launchpad.

Create transportation order and restore material

To transfer the 120 Off Road Helmets from storage bin STBN-9-#### to storage bin STBN-3-###, you must create a transportation order. Use in the *Warehouse Management* area on the *Physical Inventory* page in the *Warehouse Employee* role the app *Stock Transfer*.

Fiori App




In the *Stock Transfer: Start* screen, enter **100** for the warehouse number, **002** for the storage type and **STBN*###** for the storage bin. Then click on

Execute


100
002
STBN*###

Stock Transfer: Start	
<div> Save as Variant... More </div>	
* Warehouse number:	<input type="text" value="100"/>
* Storage type:	<input type="text" value="002"/>
Storage bin:	<input type="text" value="STBN*000"/>
to:	<input type="text"/>

Select your Off Road Helmets *OHMT1####* in the view *Display Quant*. Then click on  (**Stock Transf. Frgrnd**).

Stock Transfer
Foreground

SAP Stock Transfer: Overview						
Whse number 100 Stge type 002						
Sl	StorageBin	Material	Plnt	Available stock	BUn	Batch
<input type="checkbox"/>	STBN-8-000	PRTR1000	SD00	50	EA	
<input type="checkbox"/>	STBN-8-000	PRTR2000	SD00	20	EA	
<input checked="" type="checkbox"/>	STBN-9-000	OHMT1000	SD00	120	EA	
<input type="checkbox"/>	STBN-9-000	ORMN1000	SD00	30	EA	
<input type="checkbox"/>	STBN-9-000	ORWN1000	SD00	10	EA	

In the *Specify Destination Data* pop-up window, enter **001** for storage type and **STBN-3-###** for storage bin. Select **Confirm immed.** Confirm your entry by clicking on .



001
STBN-3-###
Confirm immediately

Specify Destination Data

Storage Type: 001
Storage Bin: STBN-3-000
Storage Section:
Storage Unit:
Stor. Unit Type:


Print code:
Printer:
☐ Do not print

* Movement Type: 999
☒ Confirm immed.



 Copy
 Cancel

Your transportation order has been successfully created and executed.

Sl	StorageBin	Material	Plnt	Available stock
<input type="checkbox"/>	STBN-8-000	PRTR1000	SD00	25
<input type="checkbox"/>	STBN-8-000	PRTR2000	SD00	10
<input checked="" type="checkbox"/>	STBN-9-000	OHMT1000	SD00	120
<input type="checkbox"/>	STBN-9-000	ORMN1000	SD00	30
<input type="checkbox"/>	STBN-9-000	ORWN1000	SD00	10

Click on  to return to the SAP Fiori Launchpad.

Note You can use *App Run Bin Status Report* to check your Bin Status Report. There all *Off Road Helmets* should be located on the Storage Bin STBN-3-###.

 Bin Status Report: Overview					
					
Bin Status Report: Overview					
Warehouse Number 100					
Typ	StorageBin	Material	Plnt	Batch	Stock Segment
001	STBN-1-000	<<empty>>			
001	STBN-2-000	<<empty>>			
001	STBN-3-000	OHMT1000	SD00		
002	STBN-7-000	<<empty>>			
002	STBN-8-000	PRTR1000	SD00		
002	STBN-8-000	PRTR2000	SD00		
002	STBN-9-000	ORMN1000	SD00		
002	STBN-9-000	ORWN1000	SD00		