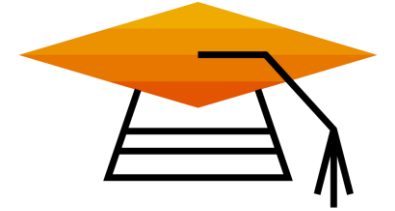


# Allocation with Weight Restriction in Bin Locations

SAP Business One Version 9.3



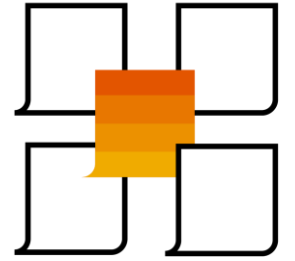
# Objectives



At the end of this topic, you will be able to:

- Assign and track weight for items and bin locations
- Enable allocation to bin locations according to weight restriction

# Business Scenario



- OEC Computers resell computer and electronic equipment to retailers in the UK.
- OEC Computers have already implemented the bin locations and UoM solution in the company.
- George, the warehouse manager, would like to start manage weight for the items in the warehouse. A weight indication per item will allow him to monitor the weight of items in storage and limit the weight for carrying and loading goods up to the standard allowed.
- George, has asked you, his SAP Business One consultant, to help him manage weight for items and bin locations in the warehouse.

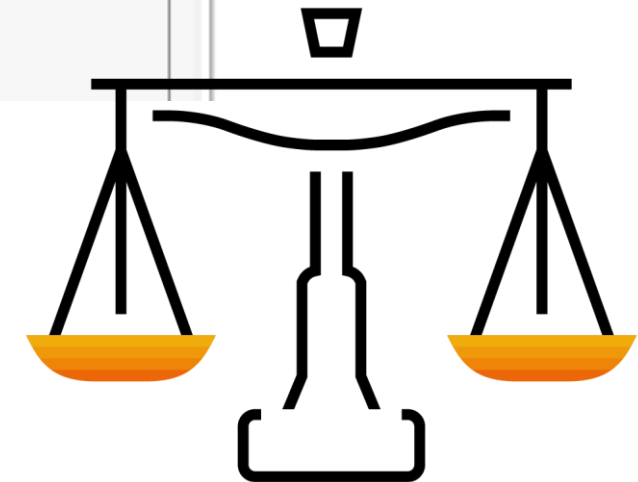
# Weight Indicator in the Item Master Data

Item Master Data

Item No.	Manual	R00001	<input checked="" type="checkbox"/> Inventory Item
Description	Printer Paper A4 White		<input checked="" type="checkbox"/> Sales Item
Foreign Name			<input checked="" type="checkbox"/> Purchase Item
Item Type	Items		
Item Group	Items		
UoM Group	→ Paper	Bar Code	200012343568 Pack ...
Price List	Base Price	Unit Price	Primary Curre GBP 5.00 Pack ...

General Purchasing Data Sales Data **Inventory Data** Planning Data Production Data Properties Remarks Attachments

Set Inv. Method By	Warehouse	<input type="checkbox"/> Manage Inventory by Warehouse
UoM Code	Pack	Inventory Level
UoM Name	Pack	Required (Purchasing UoM)
<b>Weight</b>	<b>1kg</b>	Minimum
		Maximum



# Inventory UoM Weight Indicator – Business Example

Monitor Inventory UoM weight to avoid overweight in carrying and loading goods

- A forklift weight limitation = 500 kg
- 1 pack of paper = 1 kg



- A forklift can carry 500 packs of printer paper



# Allocation by Maximum Weight - Concept

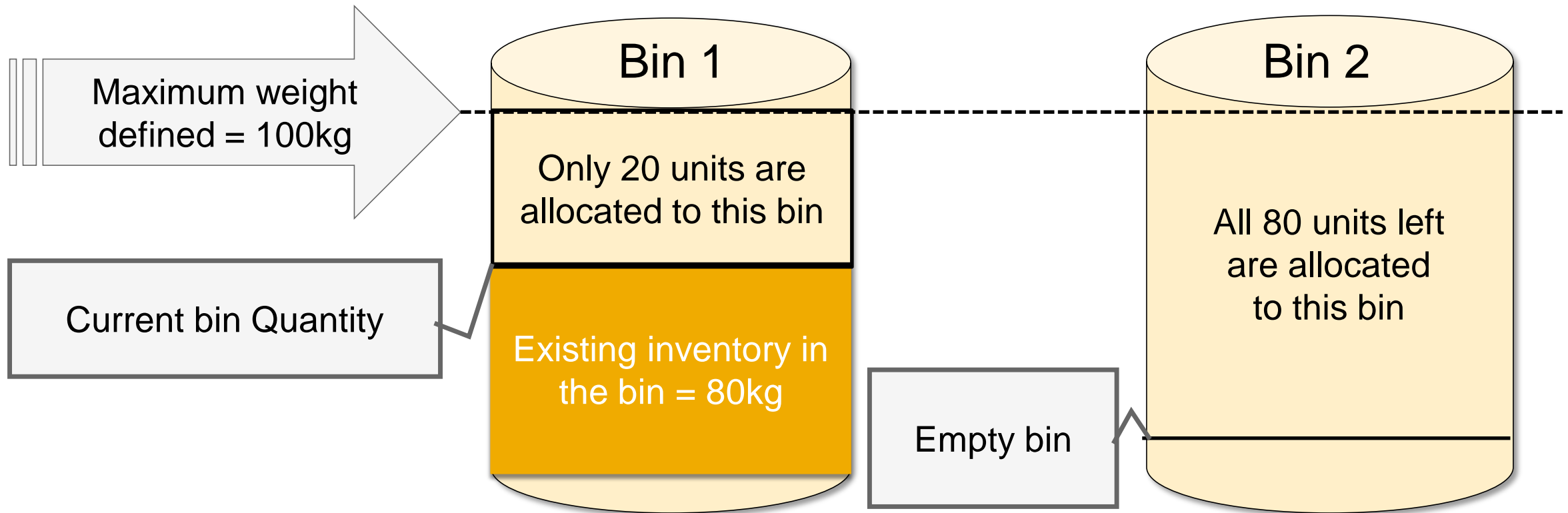
## Allocation by weight principles:

- ✓ We can define weight for the inventory UoM of the items
- ✓ We can define weight capacity for each bin location
- ✓ We can then choose to restrict item allocation according to the bin location weight capacity.



# Allocation by Maximum Weight - Example

- Maximum weight restriction for each bin = 100 Kg
- 50 hard disk units to allocate. Each hard disk weighs 1 kg => A total of 50 Kg to allocate



# Warehouse Setup - Maximum Weight Allocation Definition

Set weight allocation rules in the Warehouse Setup window:

The screenshot shows the 'Warehouses - Setup' window for Warehouse Code '05' and Warehouse Name 'Bin Warehouse'. The 'General' tab is active, showing fields for Bin Loc. Code Separator, No. of Bin Locations (73), Default Bin Location (05-A1-S1-L1), and checkboxes for 'Receive Up to Max. Qty' (unchecked) and 'Receive Up to Max. Weight' (checked). The 'Bin Locations' tab is also visible, showing 'Enable Receiving Bin Locations' checked, 'Receive Items By' set to 'Bin Location Code Order', and 'Restrict Receipts to Empty Bin Locations' checked. The 'Receive Up To' dropdown is set to 'Maximum Weight', and a callout box shows the options: 'Maximum Qty', 'Maximum Weight', and 'Max. Qty and Weight'.

Automatic allocation rules

Receiving Bin Locations



# Weight Fields in the Bin Location Master Data

Bin Location Master Data

Warehouse: 05    Aisle: A1    Shelf: S1    Level: L2

Bin Location Code: 05-A1-S1-L2

Bin Location Properties

Inactive:

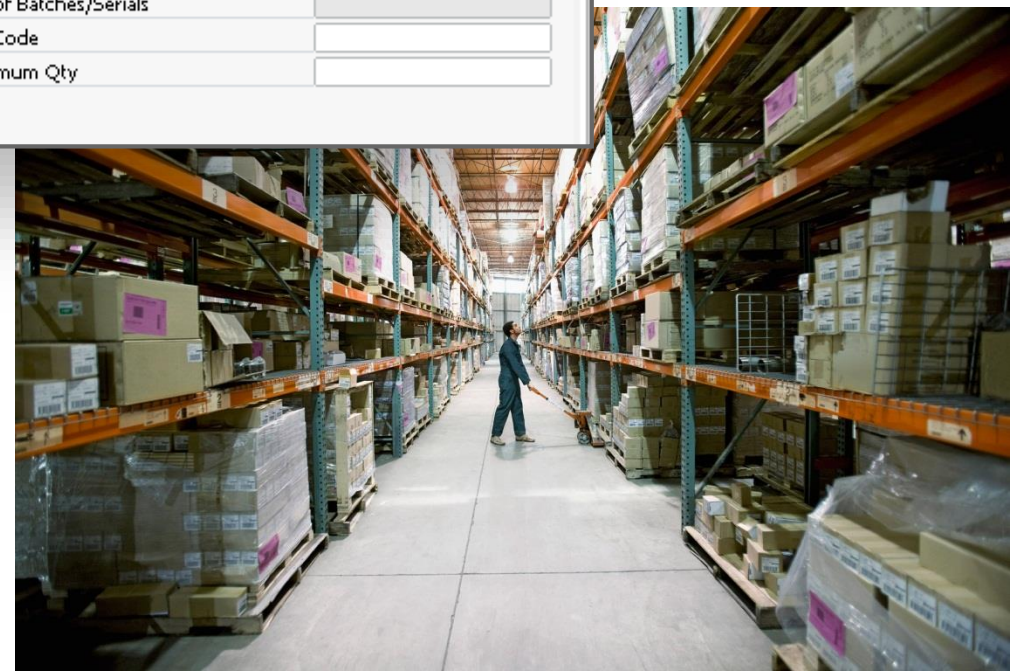
Receiving Bin Location:     Exclude from Proc. on Issue:

Description: \_\_\_\_\_

Item Weight	50kg	Item Qty	50
No. of Items	1	No. of Batches/Serials	
Alternative Sort Code		Bar Code	
Minimum Qty		Maximum Qty	
Maximum Weight	600kg		

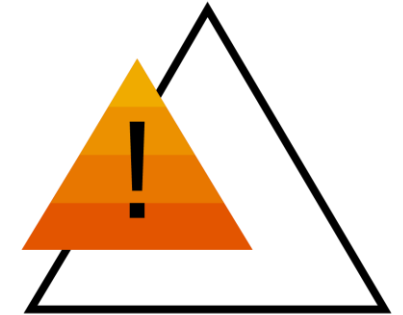
Information only

Defined by the user



# Exceeding Maximum Weight

- Warnings are provided for manual allocation only
- When using automatic allocation, the allocation is done even for a fraction of an item



Bin Location Allocation - Receipt

Document No. 424

Row No. 1 of 1

Warehouse Code → 05

Item No. → C10001

Quantity 10

Total Allocated

Remaining 10

#	Bin Location	Allocated
1	→ 05-A1-S1-L2	10
2		

System Message

The allocation makes the bin location exceed its maximum weight.  
How do you want to proceed?

Continue using the allocation

Allocate up to the maximum weight

OK

# Summary



Here are some key points:

- Weight can be managed for the item inventory UoM.
- The *Item Weight* field in the *Bin Location Master Data*, indicates the total weight of items currently stored in the bin location.
- The Maximum weight field indicates the weight limitation of the bin location.
- A weight restriction can be set for automatic and manual allocation, based on the bin location current weight and weight limitation.

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