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# Warehouse Management

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# SUMMARY

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# Context

## Situation of a warehouse manager

# Context

You are the owner of a warehouse and multiple stores and you have issues regarding:

The overall stock level

When to resupply the stores

Some defaults on products

What to resupply

The partial delivery


The management of the expiration date of products

# What solutions can provide Odoo's Warehouse Management Module?

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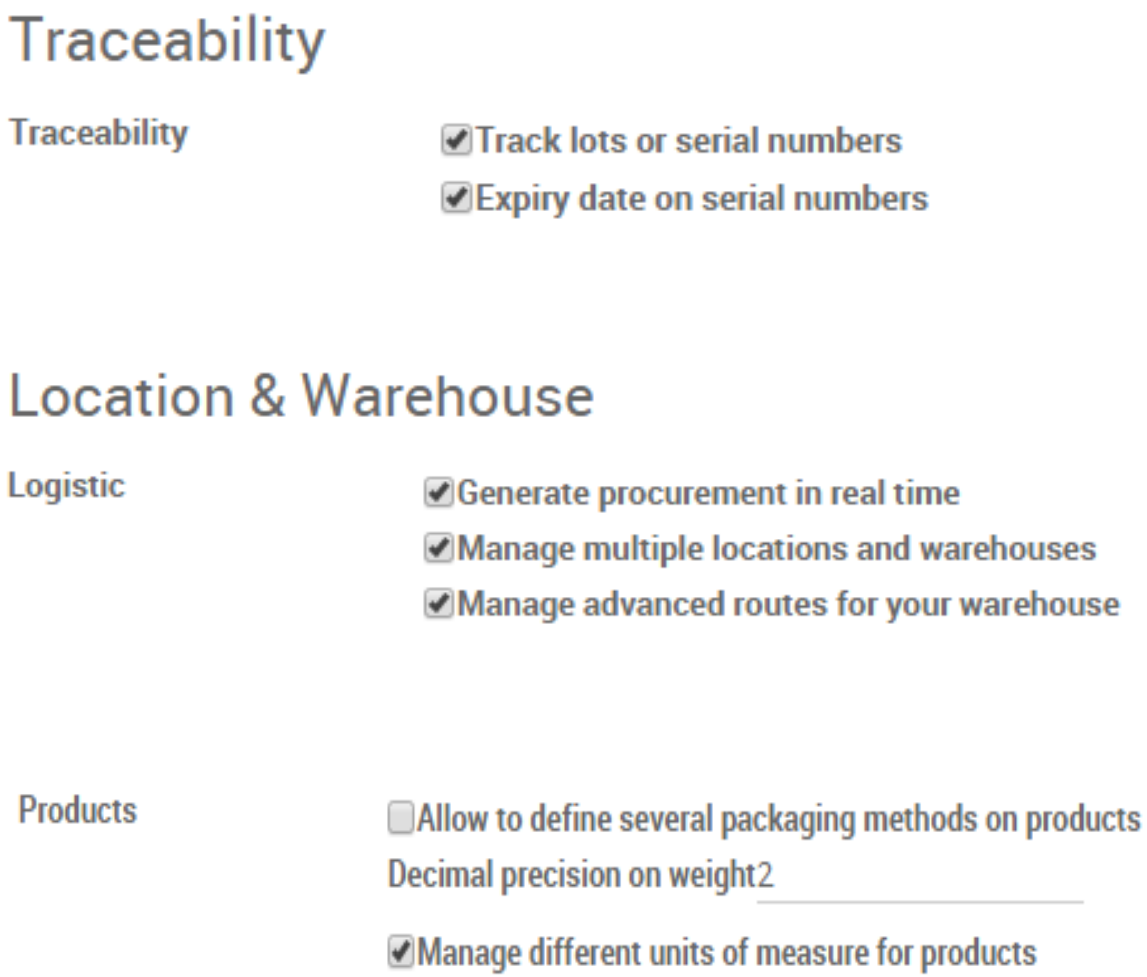
# Features of the Warehouse module

# Warehouse settings




Traceability to follow the products when they are moved.

Advanced locations and warehouses settings to manage the moves between the warehouses and inside each warehouse

Different units of measure to create custom type of units

# Warehouses configuration

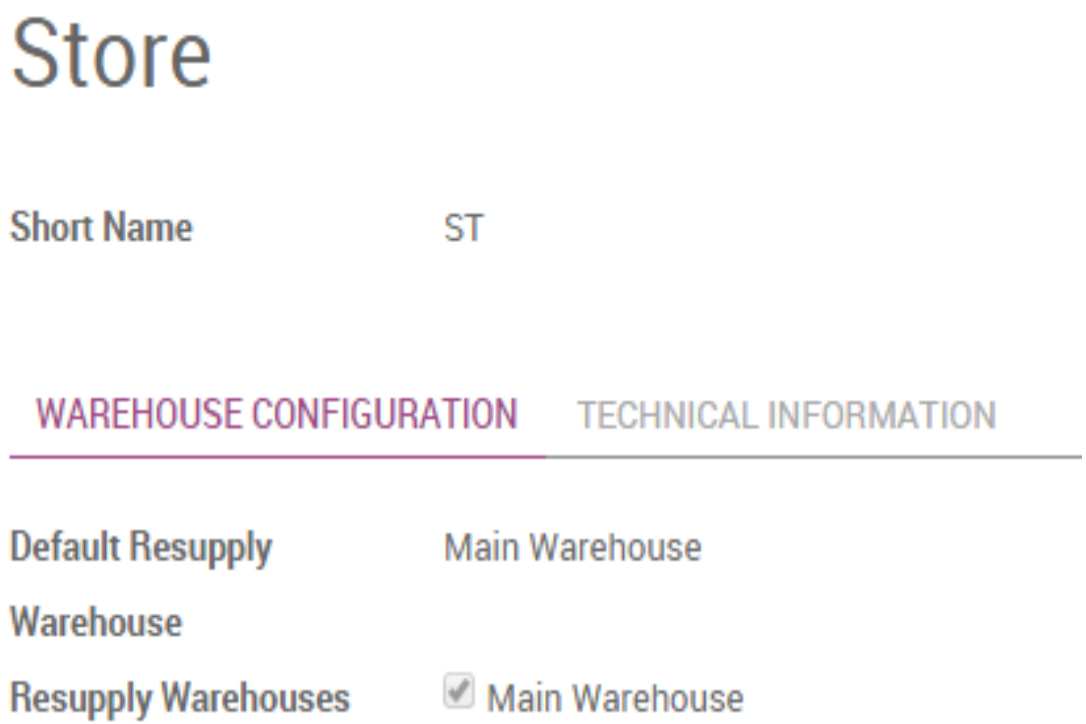

In this Main Warehouse the products will be resupply either by:

-Manufacturing them

or

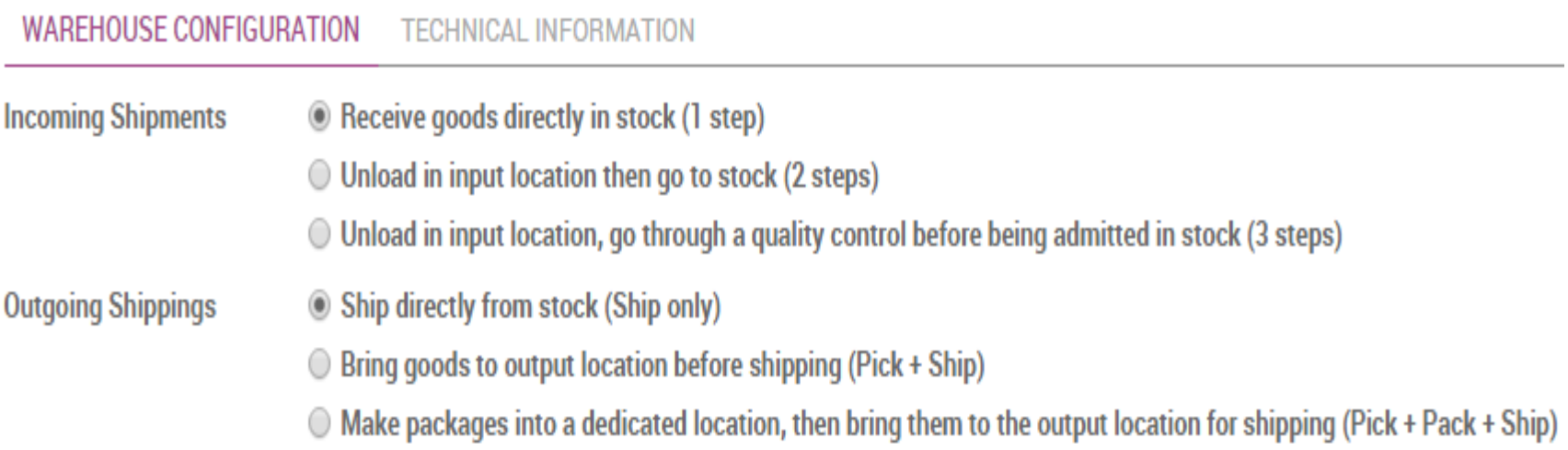
-Purchasing them

# Warehouses configuration




In this Store Warehouse the products will be resupply by taking products in the Main Warehouse

# Advanced routes for warehouse




You can choose to define different steps to manage the incoming and outgoing shipments:

- You might need to put the products in a specific location (fridge for perishable products…) => 2 incoming steps

- You might need to pack your product before shipping them => 3 outgoing steps

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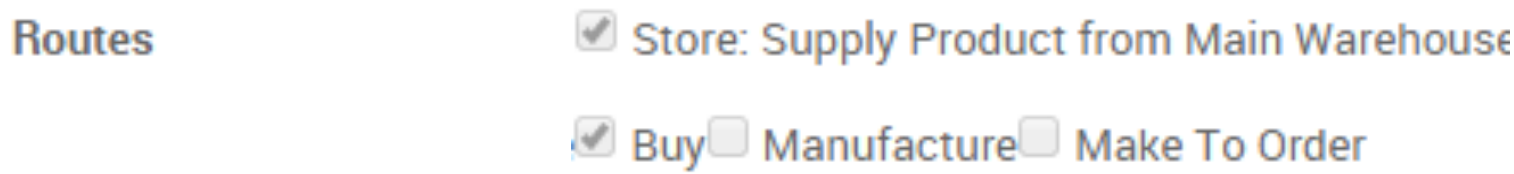
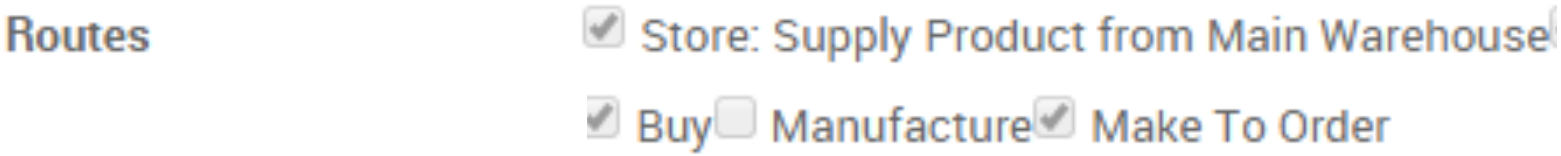
# How product can be resupply




There are two dimension in the resupply of products:

- How they are resupply: either they are purchased, taken from another stock or manufactured
- The quantity that will be resupply: either the product are make to order or make to stock

# MTO




Make to order means that you will only resupply the quantity required, you don’t want to keep some stock.

=> if you sell one unit, you only buy unit.

# MTS

Make to Stock means that you need to manage the stock level of the product:

## Rules

| | |
|---|---|
| Minimum Quantity | 100.000 |
| Maximum Quantity | 200.000 |

When the stock level drops under 100 units, a procurement is created to resupply the stock to reach 200 units in stock

## Stock and Expected Variations

| | | |
|---|---|---|
| Quantity On Hand | 5.000 | ⇒ Update |
| Incoming | 0.000 | ⇒ Request Procurement |
| Outgoing | 0.000 | |
| Forecast Quantity | 5.000 | |

The forecasted quantity of the stock are used to determine if the reordering rules must be triggered.

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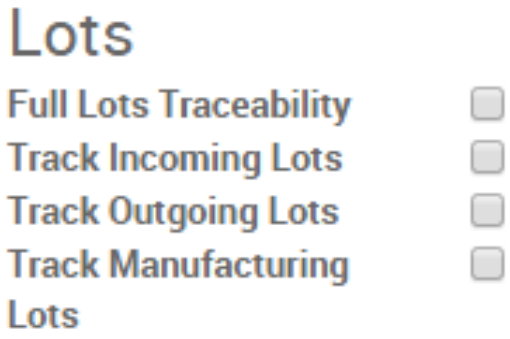
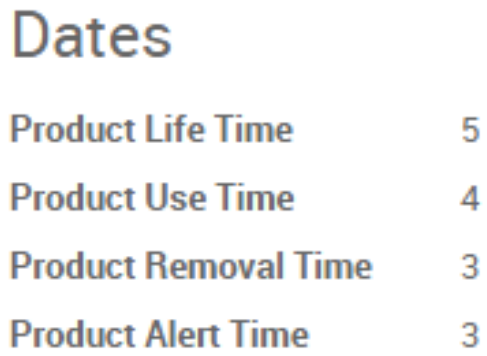
# Serial number & Expiry date




You can define serial/lot numbers on products depending their origins and the moves they do




Products may also have expiry dates. Product with the shortest expiry date is the first to leave the stock.

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# Partial deliveries and backorders

DRAFT | WAITING AVAILABILITY | **PARTIALLY AVAILABLE** | READY TO TRANSFER | TRANSFERRED

PRODUCTS | ADDITIONAL INFO

| Product | Quantity | Unit of Measure | Availability | Status |
|---|---|---|---|---|
| Tomatoes | 1.000 | kg | 1.0 (reserved) | Available |
| Champagne | 1.000 | Unit(s) | 0.0 | Waiting Availability |

When deliveries can not be completed at once, the system automatically generate backorders.

Back order *ST/OUT/00005* **created**.

**Delivery Orders**

Store

| | |
|---|---|
| Waiting | 1 |
| Late | 1 |
| Back Orders | 1 |

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# Inventory tool: current stock valuation

| | − Total | | | | | |
|---|---|---|---|---|---|---|
| | + ST/Stock | | + WH/Stock | | | |
| | Quantity | Inventory Value | Quantity | Inventory Value | Quantity | Inventory Value |
| − Total | **120.00** | **91.80** | **675.00** | **582.25** | **795.00** | |
| + Cans of beans | 70.00 | 62.30 | 150.00 | 133.50 | **220.00** | **195.80** |
| + Rice | | | 400.00 | 100.00 | **400.00** | **100.00** |
| − Salmon | | | 25.00 | 289.75 | **25.00** | **289.75** |
| + SAL03062015/01 | | | 25.00 | 289.75 | **25.00** | **289.75** |
| − Tomatoes | 50.00 | 29.50 | 100.00 | 59.00 | **150.00** | **88.50** |
| + Tom02062015/01 | | | 100.00 | 59.00 | **100.00** | **59.00** |
| + Tom02062015/02 | 50.00 | 29.50 | | | **50.00** | **29.50** |

Allows to display information about quantities, inventory values, locations and many other options related to the current stock

=> Reporting view related to the quantitative valuation

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# Demo of Warehouse Management

# STEPS SLIDE


The store is running low on products: they need to resupply from the Main Warehouse:

- The reordering rules trigger procurements from Main Warehouse to the store.
- A delivery order is created in the Main Warehouse

# STEPS SLIDE


If the stock in the Main Warehouse is not sufficent, it also needs to be resupply:

- Purchase order is created for product X
- Purchase order is created for raw material of product Y if product Y needs to be manufactured
- Manufacturing order is created for product Y

# STEPS SLIDE


The final products are delivered to the Main Warehouse:

- They get a serial number
- Depending on the product, they might follow different paths in the warehouse (1,2,3 steps for incoming products)

# STEPS SLIDE


The products are delivered to the store based on the FIFO or FEFO rule:

- First in First out: the first product that arrived in the warehouse leaves first the ware house
- First expired first out: the first product to leave the warehouse is the one with the nearest expiration date

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# Conclusion

# Conclusion

Thanks to the warehouse management module, the warehouse manager can now:

-Rely on an integrated system to handle its resupply in both Warehouses on time and with the right quantities

- Have a quick view on its stock, either the current stock and the future/forecasted stock

- Have a view on delivery that are not finished yet

- Track the moves of the products and be able

- Withdraw perishable products of the stock before they actually expire

# Conclusion

This module is even more powerful when combined with other modules:

- Purchases: manage an automatic resupply of product from the supplier
- Sales management: Sales orders are the main reason why the stock is changing and the procurement rules are triggered.
- MRP: some product might needs to be resupply by being manufactured first. The procurement can generate manufacturing orders

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# Thank you for your attention

## Call to Action

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