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Inventory Module

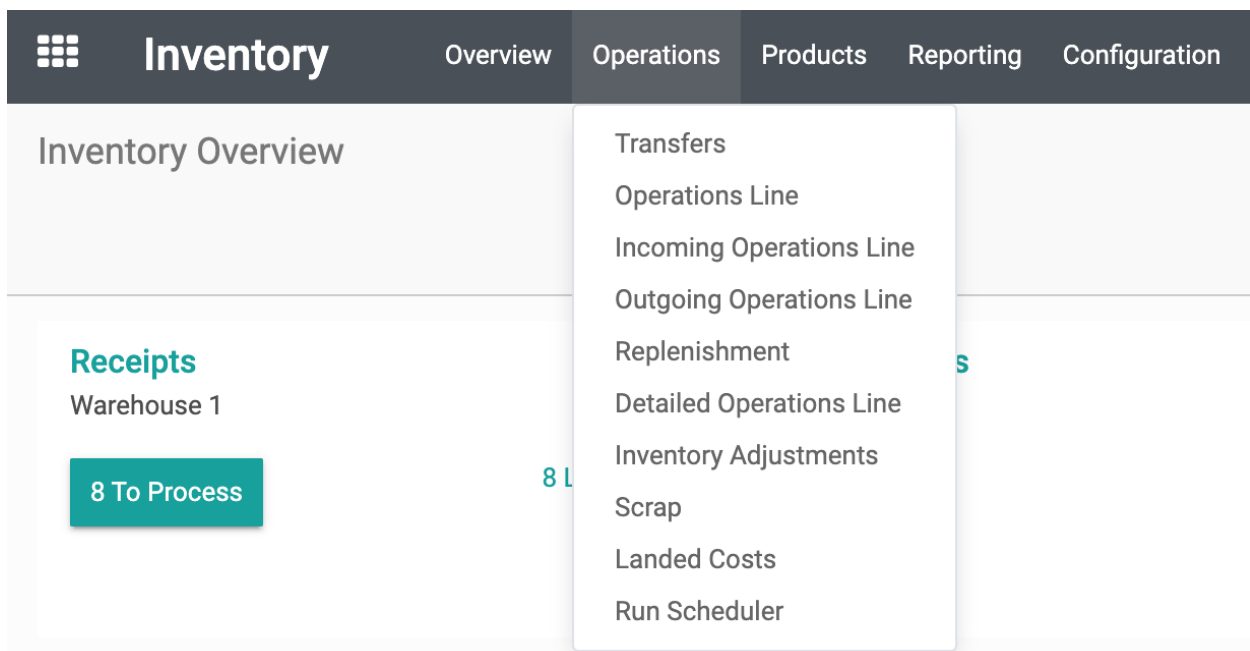Once you enter the Inventory Module, you will see the content from "Overview Tab". Here we will describe the relevant functions of each tab. **Overview**: overview of all warehouses, Refer to below *Part 2. Warehouse*.

1. Operations

1.1. Transfers

Allows you to create transfer records to keep track of your incoming & outgoing stocks if you don't do it by standard "Receipts" & "Delivery".

1.2. Operations Line

Summary of all consolidated relevant stock operation (incoming & outgoing) view.

1.3. Incoming Operations Line

Summary of all incoming stock operation view.

1.4. Outgoing Operations Line

Summary of all outgoing stock operation view.

1.5. Replenishment

An overview of all the product that does not have sufficient stock based on system's operation (sold and purchased items), for ease of your replenishment needs.

1.6. Detailed Operations Line

Here you will see all your operations by line.

1.7. Inventory Adjustments

You can manually create inventory adjustment records here.

1.8. Scrap

At any stage of the production line, you can scrap the product. In all the production stages you can find the tab of scrap. When you click on the scrap you can immediately transfer it to scrap.

You can also create a scrap manually. Go to **Operations → Scrap→ Create**.

- Product: Select the product which needs to be scrapped.
- Quantity: Add the quantity.
- Source Location: Add the location from where the product was scrapped.
- Scrap Location: Select the scrapped location.

Scrap Orders / New

SAVE DISCARD

VALIDATE

New

Product			Owner	
Quantity	1.00		Source Location	WH1/Stock
			Scrap Location	Virtual Locations/Scrap
			Source Document	
			Company	My Company

After you have filled the details you can **Save** the scrap order and click on the **Validate** button.

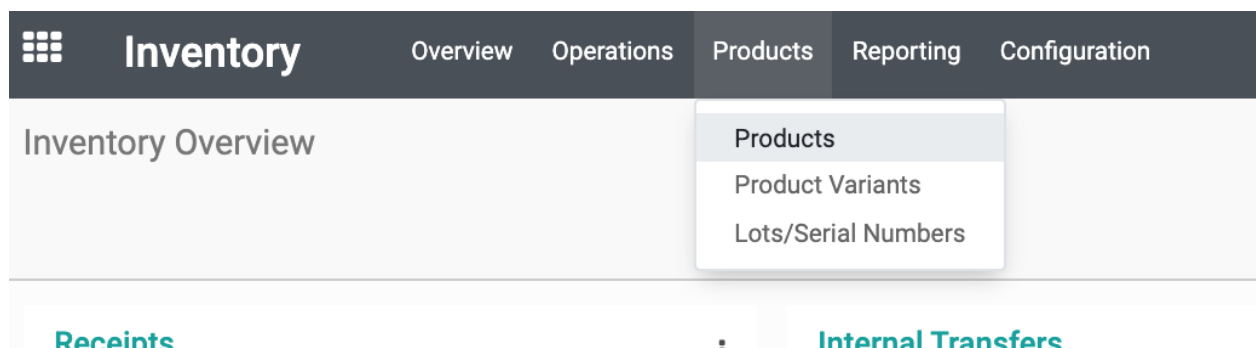## 1.9. Landed Costs

You may use this function to add shipping costs onto your products, by selecting relevant transfer log, the product as well as setting the split methods.

1.10.   Run Scheduler

If you have made settings for "Re-ordering rules", whereby the system will automatically trigger RFQ based on certain product's stock level, by pressing Run Scheduler, instead of waiting for the system to automatically 'trigger' the actions at a certain time in the day, you are manually asking the system to update the stock level and trigger relevant actions based on the updated stock level.

2.   Products

To view all your products, go to **Products → Products**.

Inventory   Overview   Operations   Products   Reporting   Configuration

Inventory Overview

> Products
> Product Variants
> Lots/Serial Numbers

Receipts   :   Internal Transfers

2.1. Products:

You can manage, view or create a new product under this tab. About creating a product you can view section 1 in Part B.

2.2. Product Variants:

You can manage, view or create a new product 'variant' under this tab if your products have variants. Product variants are done by first setting the relevant "Attributes" of the products (view in 3.3.2), then selecting them. You may also view product variants under the Product. More about creating a product you can view section 1 in Part B.
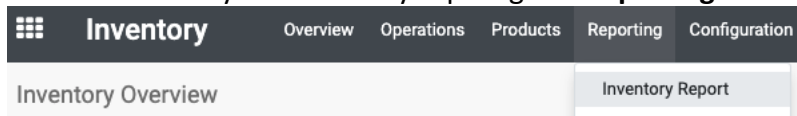
2.3. Lots/Serial Numbers:

You can manage, view or create lots/serial numbers allocated to products under this tab. More about creating a product you can view section 1 in Part B.
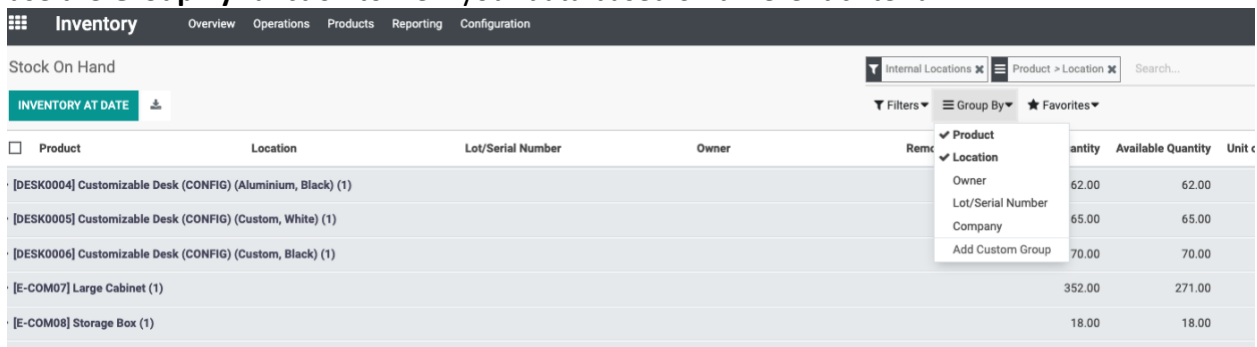
3. Reporting

3.1. Inventory Report

This report will show you the current inventory. W+ ERP inventory report is synced in real time, which means that the calculation of the inventory is done based on the movements until the current date.

In order to view your inventory report go to **Reporting → Inventory Report**.

The default settings is to view the inventory by product name and location, however, you can use the **Group By** function to view your data based on different criteria.

If you want to view/print the report till some specific date, you can click on the button **Inventory At Date**. This will open a pop-up window for you to select the date. Click on the **Confirm** button to see the new report.

3.2. Forecasted Inventory

The Forecasted Inventory function allows you to calculated the stock expected to satisfy future client orders. To view your forecasted inventory go to **Reporting → Forecasted Inventory.**

This calculation is based on how much product you anticipate to sell over a particular time frame. Through graphs and grid views you can have an overview of the forecasted inventory.

3.3. Inventory Valuation

The inventory value report based on product cost settings.

3.4. Product Moves

The full product movement report based on your stock in & out.
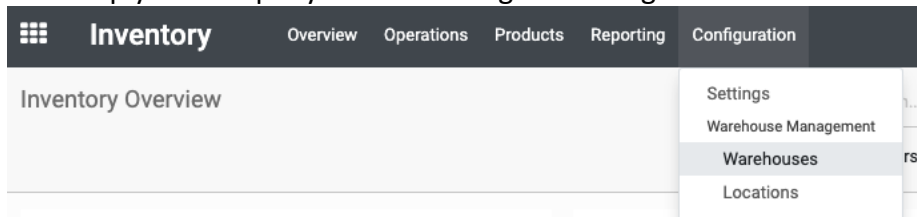
4. Configuration

4.1. Settings

This leads you to the general settings page related to your inventory module configurations. There are multiple options you can select here, which will assist to set the foundation of how you will be managing your inventory/stock, as well as product settings. It will combine options of whether or not you need to use specific functions/settings, or valuation costs. Each relevant option has a short description underneath for your guidance.
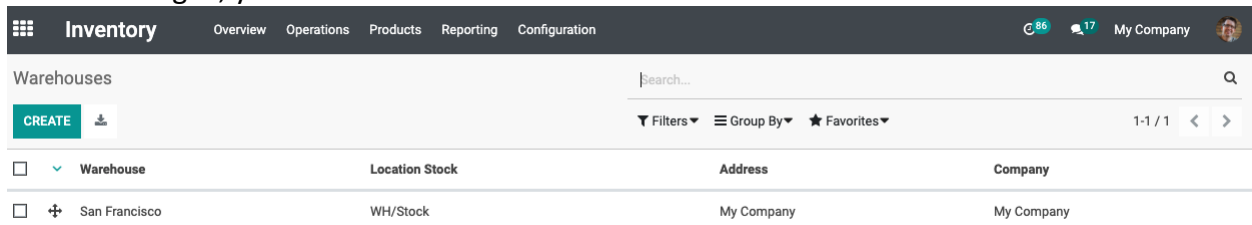
4.2. Warehouse Management

4.2.1. Warehouses

To set up your company's warehouse go to Configuration→ Warehouses.

When clicking in, you will find a list of warehouse.

You may click on the default warehouse and click on the **Edit** button to edit the information based on your company's warehouse information.

- Warehouse name: Input your warehouse name.
- Short name: Assign a 5 characters long name, this name will be used on the different warehouse documents.
- Address: You can select an existing company or you create a new one. The address of your warehouse will be the same as the one the company you selected.

a. Set up Multiple Warehouses

W+ ERP allows you to create multiple warehouses, to do this you need to go to Settings first and enable the Multi-warehouse settings. Be noted that the multi-location settings will be automatically enabled at the same time.
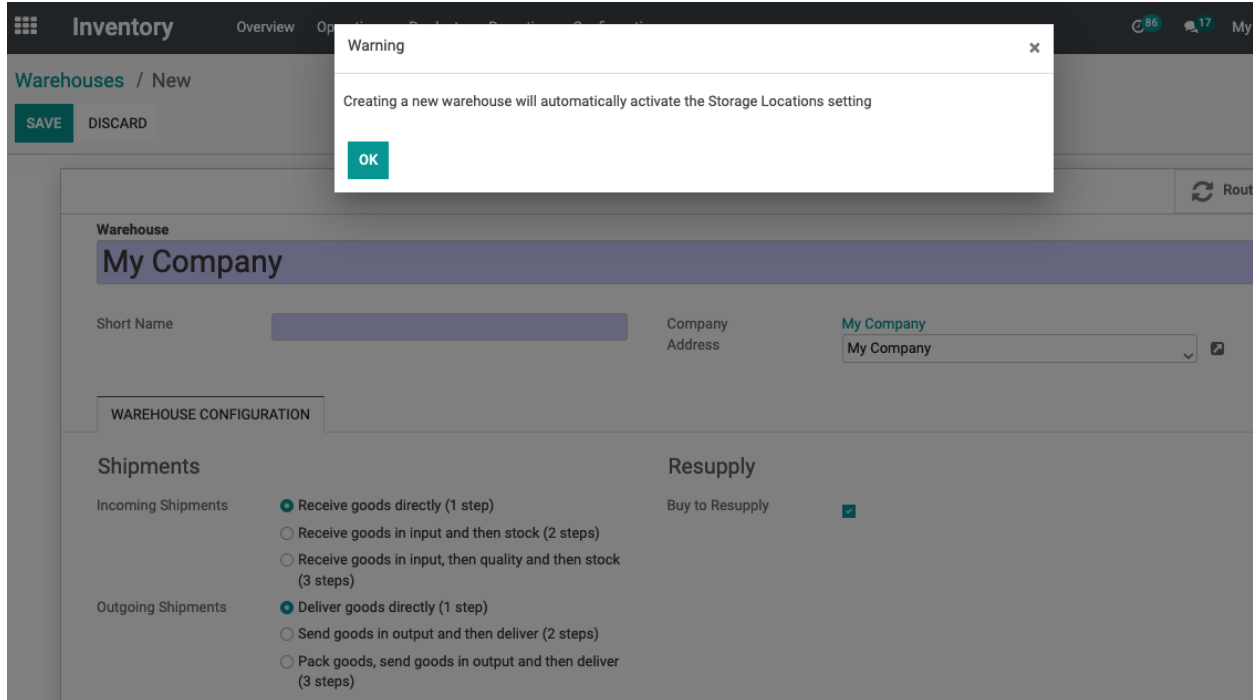

After enabling the multi-warehouse settings you can create an additional warehouse by clicking on the **Create** button in the warehouse management page. When clicking on the **Create** button, there will be a pop up window notifying you that "Creating a new warehouse will automatically activate the Storage Location setting", click on the **OK** button to proceed with your new warehouse creation.

After creating your warehouses, you will see the new operation types will be automatically created due to the creation of a new warehouse.
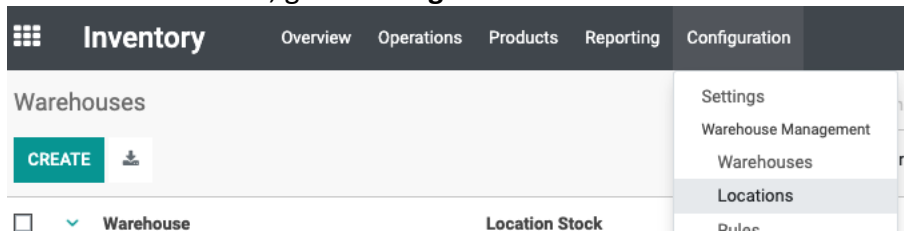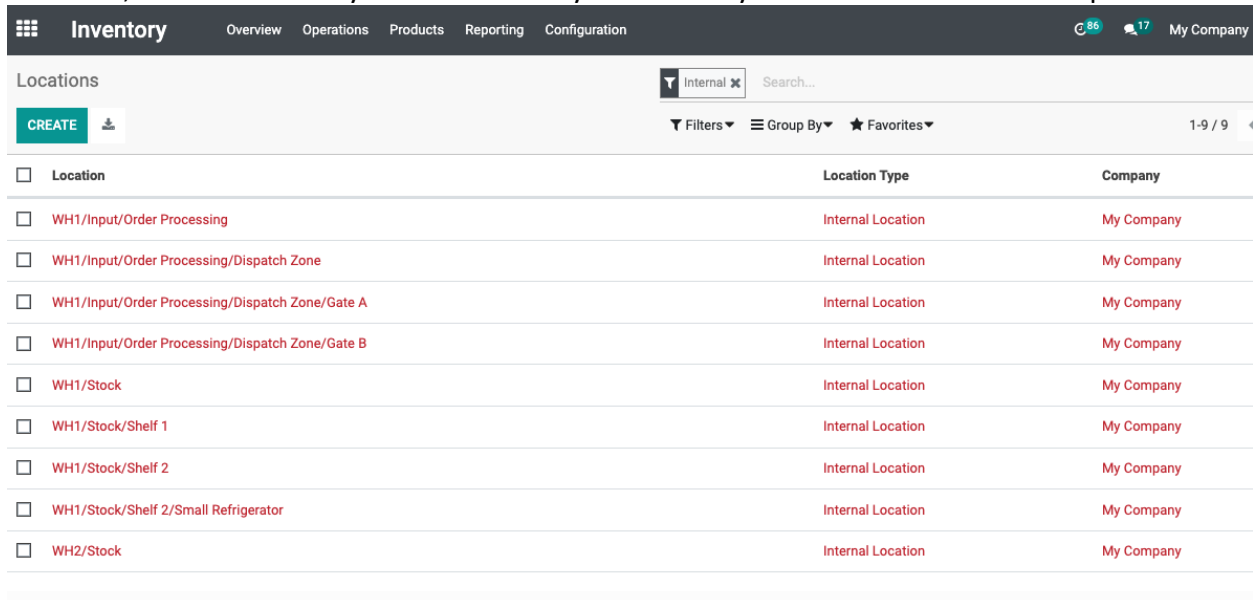

4.2.2. Locations

A location is the specific place within the warehouse. It can a sublocation of your warehouse as a shelf, a rack, a floor, etc. Therefore, a location is part of one warehouse and it cannot be linked to multiple warehouses.

To create a Location, go to **Configuration → Locations.**

Once you click on Locations, you will see a list of the locations. It is important to configure the locations, as those will let you know where you inventory has been stored in which place.

You need to configure all the locations from where you are getting the stock (Vendor location) to where you are sending the stock (Customer Location). You may also create locations for Scrap or Inventory loss if necessary.
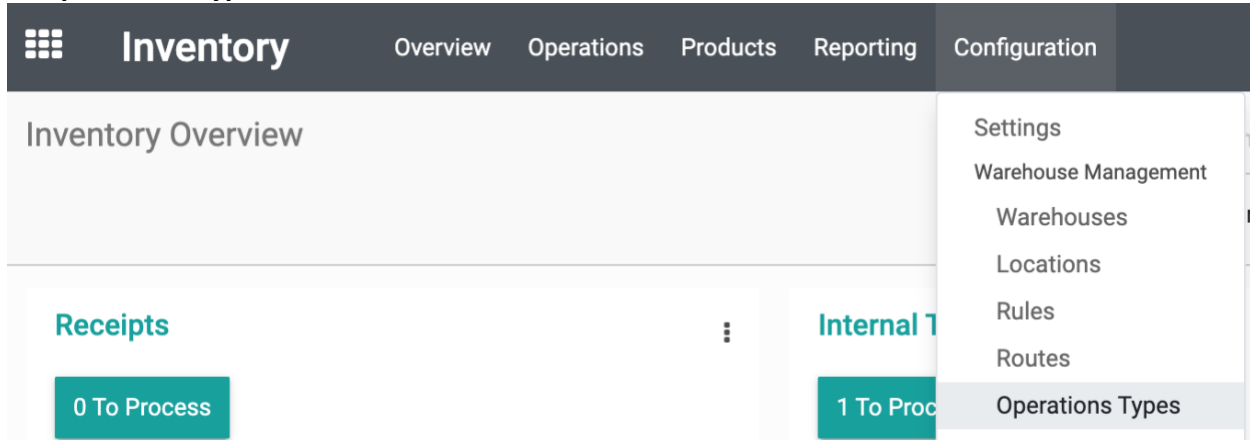
4.2.3. Rules

You can create and name different action types rules, what inventory action from which operation type, will trigger stock movements from relevant warehouses.

4.2.4. Routes

You can create and name different routes that different product categories or product, that will go through different routes (warehouses) based on your pre-set rules.

4.2.5. Operations Types

Operation types are the types of operation that are used in terms of transferring goods from one location to another. To view or create new operations types go to **Configuration** →**Operations Types**→ **Create**.

- Operation type: name of the operation type.
- Type of operation: select whether the type is Receipts, Delivery, Internal Transfer or Manufacturing.
- Operation type for return: if you have the operation type and want a specific type for return you can select it here.
- Create New Lots/Serial Numbers: if you want to create a new lot/serial number during transaction of the operation type then need to check this checkbox.
- Use Existing Lots/Serial Numbers: if you want to use the existing lot/serial number during the transaction of the operation type then select this checkbox.
- Based on the Operation Type the system will ask you to set the Default Source Location and Default Destination Location (field highlighted in purple). If it is an Incoming type you will have to set the destination location as for an Outgoing type you will need to select the source location. If it's an internal type you will need to select both locations.

Location Name: Name of the location

Parent Location: If you are keeping your stock then make sure to add the main stock location as shown on the image above. If you are creating location for scrap, customer, production, the it not required to add stock as the parent location.

Location Type: you may select it based on the function.

- Vendor location: is used for the vendor's location. This location is treated as a virtual location from where the products will be received in your stock.
- View: is always used as a parent location. When you have a hierarchy of locations, it is always advised to keep the parent location as view location.
- Internal location: is a location which is available internally in our stock. You may have multiple locations to keep your stock.
- Customer location: is a virtual location of the customers where actually you are delivering the goods from your stock.
- Inventory loss: is the location which is used when you scrap products or lost products, or when you adjust the inventory of books with real time inventory.
- Production: is the location where actually the products are being consumed for manufacturing or any other reasons. For example: a restaurant or kitchen can be treated as a production location.
- Transit location: is used for transit purpose only. For example: A quality check location or a packing location.

Is a Scrap location?: check it when it is a scrap location.

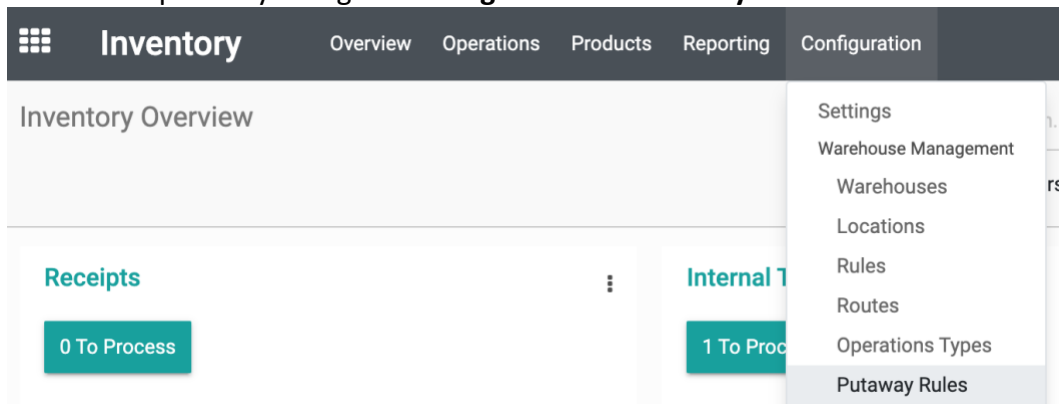Is a Return location?: check it when it is a return location.

After you have created your locations and set up your stock, you may click on the smart button "Current Stock" to view the stocks that are currently available at this location.

4.2.6. Putaway Rules

Putaway is the process of taking products off the receiving shipments and directly putting them into the most appropriate location. In W+ ERP the putaway rules can be defined either per product or per product category.

To create a putaway rule go to **Configuration→ Putaway Rules → Create**.

Select the Product, the location of when the product arrives, and the location to store that specific product.

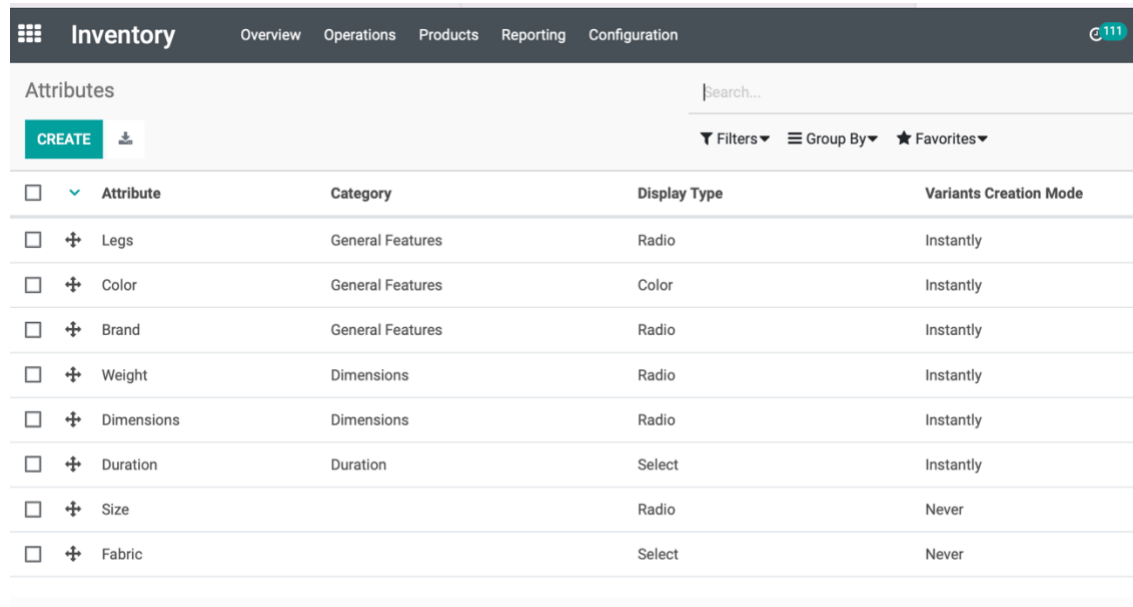## 4.3. Products

4.3.1. Product Categories

Before you select the Product Category of the product, you might want to first create & set the product categories relevant to your products. Product categories are used to classify the products in different sections. You can create or configure your products categories based on your business requirement. Go to **Configuration → Product Categories → Create**

- **Category name**: is the name of the category which you can set as per your requirement.
- **Parent category**: is the parent category of this category.
- **Routes**: Here you can select the "route" that this product category should follow, based on your earlier settings in routes
- **Force removal strategy:** Some products might have specific characteristics that you wish to better manage, such as food products with expiry dates – you would wish to employ a stock out strategy for it to follow. There are 3 types of removal strategy in W+ ERP inventory management, which upon selection will help to automate and select the relevant batch of products that should be removed/delivered first, based on its arrival / expiry date.
    - o **FIFO**: First In First Out
    - o **FEFO**: First Expiry First Out
    - o **LIFO**: Last In First Out
- **Costing method**: there are 3 types of costing methods for you to select.
    - o **Standard price**: products are valued at its standard cost given on the product.
    - o **First In First Out**: products are valued based on First entered in and first leave.
    - o **Average Cost:** valuation based on weighted average cost.
- **Inventory valuation:** you can select it to be manual or automated.
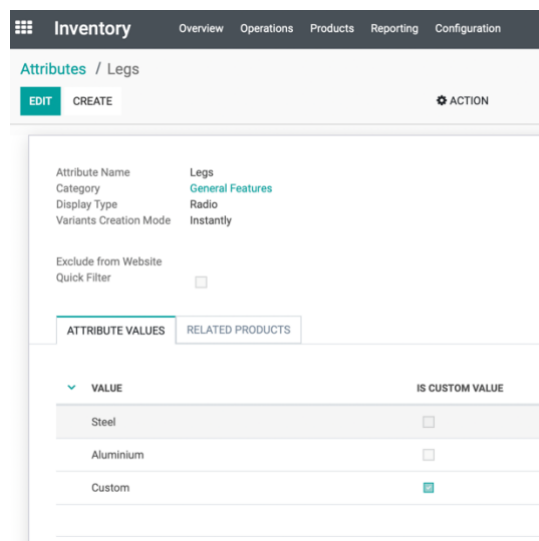
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4.3.2. Attribute

Attributes are set based on the different "features" that will have variation or variants within your product. Such as features, colours, dimensions or even duration (years for service products) related to a product that you wish to be able to select when setting up your product master.

4.3.3. Reordering Rules

Reordering rule, is a function that combines a "low quantity alert" and automates the generation of request for quotation (using the purchase module). So if you have a product that you always wish to have stock for, you can set that once the "min quantity" of that product is at 5 (or lower), the system should automatically create a RFQ (request for quotation) in the purchase module, for up to your "maximum quantity" that you

have set. Or, in case some times you want to order quantities quickly at batches, you can set the Multiple quantity.

	Product	Location	Min Quantity	Max Quantity	Multiple Quantity		UoM
☐	[FURN_8888] Office Lamp	WH/Stock	5.00	10.00	1.00		Units
☐	[FURN_9001] Flipover	WH/Stock	5.00	12.00	1.00		Units
☐	[FURN_7777] Office Chair	WH/Stock	3.00	5.00	1.00		Units
☐	Chicken	WH/Stock	50.00	100.00	1.00		Units
☐	Soda	WH/Stock	100.00	500.00	1.00		Units
☐	[FURN_9666] Table	WH/Stock	0.00	0.00	1.00		Units

4.4. Unit of Measures

4.4.1. UoM Categories

You set the categories of Unit Of Measure that you will have before defining and setting the actual UoM.

4.4.2. UoM

You can set the different UoM for all your different products and services.

	Unit of Measure Category
☐	Unit
☐	Weight
☐	Working Time
☐	Length / Distance
☐	Volume

	Unit of Measure	Category	Type
☐	Days	Working Time	Reference Unit of Measure for this category
☐	Dozens	Unit	Bigger than the reference Unit of Measure
☐	Hours	Working Time	Smaller than the reference Unit of Measure
☐	L	Volume	Reference Unit of Measure for this category
☐	Units	Unit	Reference Unit of Measure for this category
☐	cm	Length / Distance	Smaller than the reference Unit of Measure
☐	fl oz (US)	Volume	Smaller than the reference Unit of Measure
☐	ft	Length / Distance	Smaller than the reference Unit of Measure
☐	ft³	Volume	Bigger than the reference Unit of Measure

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4.5. Delivery

4.5.1. Shipping Methods

You can set shipping methods that your product deliveries will use here, and relevant pricing will be retrieved and triggered.

5. Product Master

After all the above settings & configurations, you can now create your products / product master. Once you enter the Inventory module, you will be in an overview page, which is the main dashboard for "Warehouse" stock in & stock out operation. To access our product master, you may go to the PRODUCTS tab → PRODUCTS. To create a new product, go to **Products →Products →Create**.
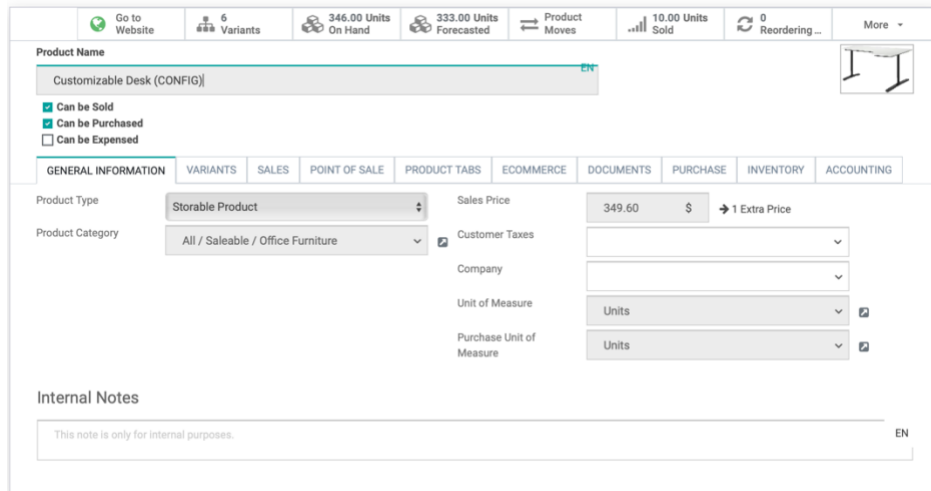

A product form will appear for you to insert the **Product Name** and select if it **Can be Sold**, **Can be Purchased**. If the product **can be expensed** as an expense product (only if you also use the expenses module), you may also select **Can be Expensed** (you can refer to our "Expenses training manual" to learn more). *If the product is a subscription type select **is subscription type** (only available for W+ Pro, not available for W+ lite).*

5.1. General information: This is where you set some general settings of the product.
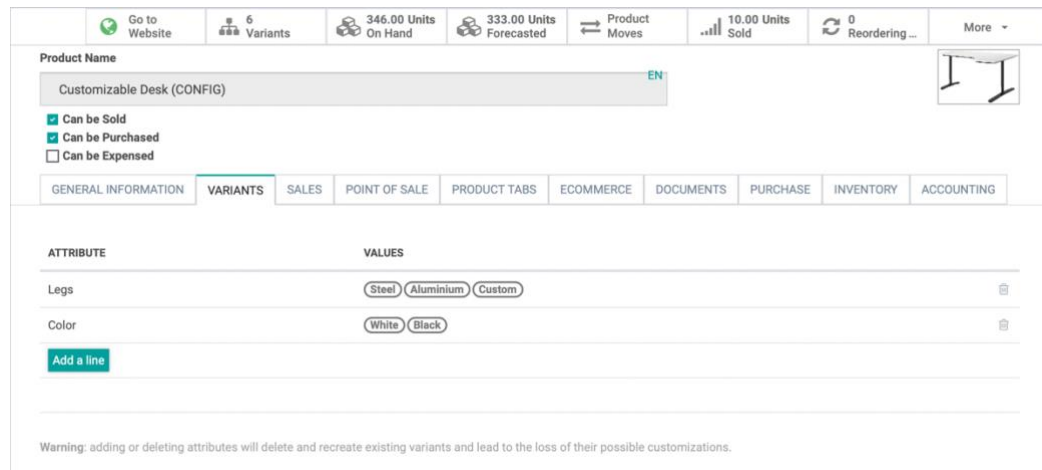
Select the Product Type**:**

- **Storable products:** if you want to track the stock of the product, the available units that are in stock, and forecast the number units.
- **Consumable**: if you want to include a product the product on receipts/deliveries but don't need to track its stock.
- **Service**: if the product is a service.

Select the Product Category, Unit of Measure, and Purchase Unit of Measure.

5.2. Variants:

You can set the Variants related to this product here, this is where you refer and select the "Attributes" that you have created earlier in the above section. Upon creating the variants, you can see in the top row, second box, it says "6 Variants", and upon clicking into it you will see and can edit each of the individual variant's product information.
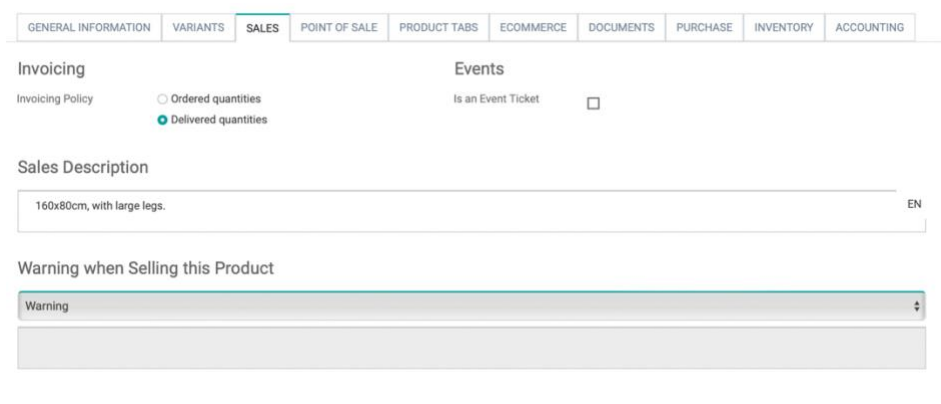

5.3. Sales:

In the sales tab, there are multiple settings you can set which will be connected to the "Sales Module" & sales operation.

- **Invoicing Policy:**
  - o **Ordered quantities**: You will issue your invoice based on the quantities that was selected on the Sales Order (regardless of how many is actually delivered).
  - o **Delivered quantities**: You will issue your invoiced based on the quantities that was actually delivered on the delivery note (could have ordered 100, but delivered only 90).
- **Events**: If you have also subscribed to our "Events Module" to host & charge for events, you may select this option to set it as event ticket.
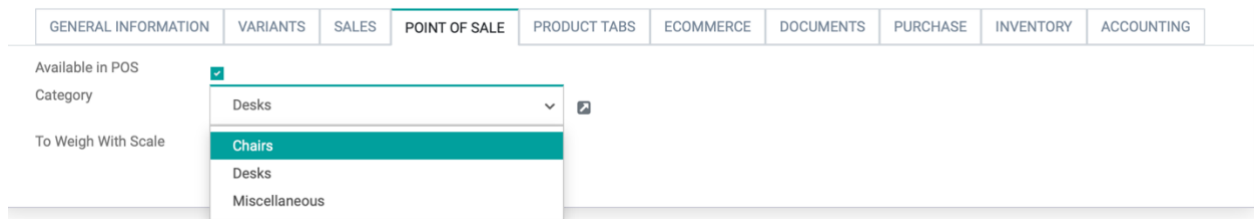
- **Sales Description**: simple sales description for your product
- **Warning when selling product**: You can select "None", "Warning", "Blocking", and the description you type will appear when you have selected this product in your quotation or sales order.
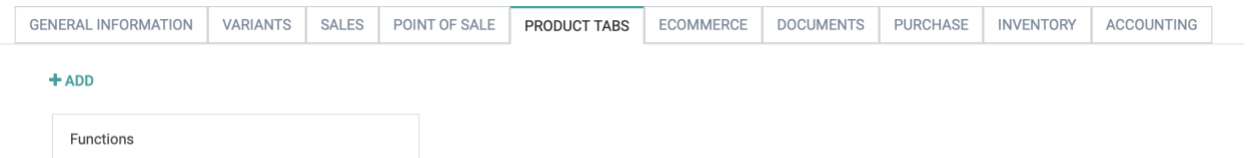

5.4. Point of Sales (POS):

If you have also subscribed to our "Point of Sales POS Module:

- **Available in POS**: you may simply "tick" available in POS and this product will appear in your POS
- **Category**: You can create different categories and they will appear in your POS categorized
- **To weigh with Scale**: this option allows you to enter the weight of the product

5.5. Product

If you have also subscribed to our "Website Ecommerce Module", you may add different tabs related to the product description and they will appear on the product page on your ecommerce.

- Tab Name: Create tab name
- Tab Content: insert the content you wish to show
- Website: select the website this should appear on (if you have more than one)

After saving it, and publishing your product (refer to website training manual for details), it will show at the bottom of the product.

5.6. eCommerce

If you have also subscribed to our "Website Ecommerce Module", if you wish for this product to appear on your website ecommerce, you may select the relevant website, brands fields here. Once you have done the relevant setup, the product will appear on your ecommerce to be published. (Refer to website training manual for details)

5.7. Documents

If you have also subscribed to our "Website Ecommerce Module", this allows you to upload different documents related to this product onto the product page of your ecommerce shop, for your customers to view and download (if you tick public).

5.8. Purchase

In the purchase tab, there are multiple settings you can set which will be connected to the "purchase Module" & purchase operation.

- **Vendor**: You may insert the relevant vendors & purchase details you usually purchase from
- **Reordering**: (Must use the purchase module as well)
  - **Create a draft purchase order**: the system will automatically create a draft purchase order directly to the vendor if you have set reordering rules
  - **Propose a call for tenders**: The system will create tender document based on your pre-setting in the purchase module, and you can select vendors to send to
- **Vendor Taxes**: If taxes applies for vendor bill
- **Control policy**: If you will settle your Vendor Bills based on your 'ordered quantities' on your Purchase Order, or on your "received quantities", the actual quantities received on your Delivery Receipts.
- **Purchase Description**: Any notes you wish to be added to your standard purchase orders

5.9. Inventory

This is to set inventory, routes & logistics related (stock in, stock out) settings for the product.

- o **Routes**:
    - o **Warehouse**: If you tick this option, every time you sell this product, it will send a 'delivery order' notice to your selected warehouse, and stock will be delivered and deducted from the warehouse.
    - o **Buy**: If you tick this option, it means every time you sell this product, you **must** place a purchase order to purchase it from a vendor you have set in the purchase tab. (Means you might not keep stock for this product, or it is sub contracted)
    - o **Manufacture**: * If you are also using our manufacturing module. If you tick this option, it means every time you sell this product, you **must** manufacture it, a manufacturing order will automatically be created to be processed before the product will have stock to deliver.
- o **Logistics**:
    - o **Responsible**: The staff that is responsible for this

- o **Manufacturing Lead Time**: The lead time required to manufacture the product (if the route is manufacture).
  - o **Customer Lead Time**: The lead time you set, so the expected date on the sales order is SO date + Customer lead time
  - o **HS Code**: If this product has a HS Code
- o **Traceability**:
  - o **By Unique Serial Number**: If the product needs to be traced by serial number, selecting this will require you to enter the serial number during stock in and stock out.
  - o **By Lots**: If the product needs to be traced by serial number, selecting this will require you to enter the lot numbers during stock in and stock out.
  - o **No Tracking**: Product will have no tracking
- o **Expiry date:** tick this if the product has expiry date, you will have to assign lots/serial number of the products too.
  - o **Expiration time**: You will enter the number of days before expiration of the product.
  - o **Best Before time**: Number of days before the goods should be consumed.
  - o **Removal time**: Shows the number of days before the goods should be removed from the stock.
  - o **Alert time**: The number of days before an alert should be raised on the product, once the alert date is reached an activity is assigned on the product for the relevant lot/serial number to the user defined on the product.
- o **Description for Delivery Orders/ Receipts / Internal Transfers**:
  - o You can insert relevant descriptions you wish to appear in the corresponding actions.

5.10. Accounting

If the product has any specific accounts other than standard ones, you may select them here.
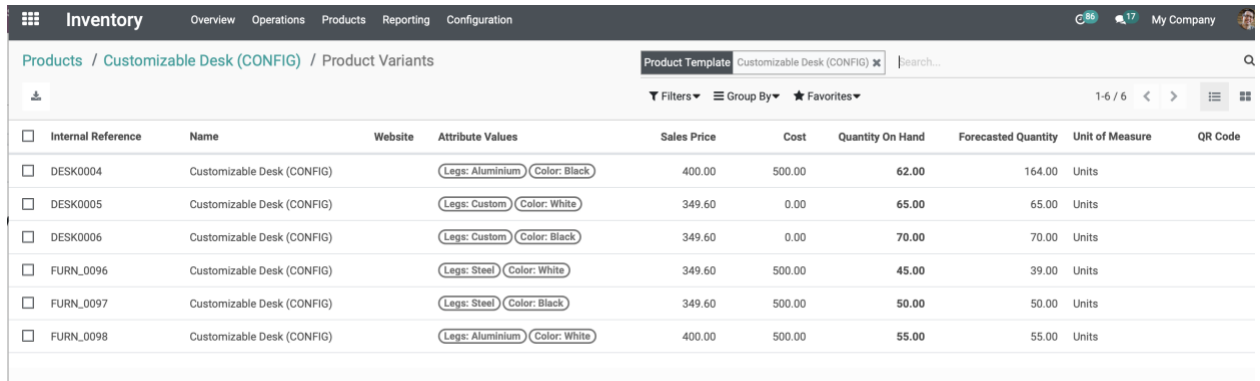- o **Income Account**: Which account the income shall go into
- o **Expense Account**: If this is an expense product (if you have subscribed to our expense module, refer to Expense module for details)
- o **Price Difference Account**: To set in product as a specific replacement value
- o **Asset Type**: In case the product you have created is an asset which requires depreciation calculation, you can select the asset type it belongs to (based on your settings in the accounting module).

6. Product profile summary & meaning

At the top of each product there are "summary" tabs of the products, which shows you the different data related to this specific product across different operations and modules.

1. **Go to Website**: If you have also utilized our ecommerce function, and have selected the product to appear on the ecommerce as per above in product setting, once you click on this button it will lead you to the page of this product on your ecommerce. (You may also refer to our "Website" training manual for more details.)

2. **Variants**: if you have set variants for the product, you will be able to view all variants here.
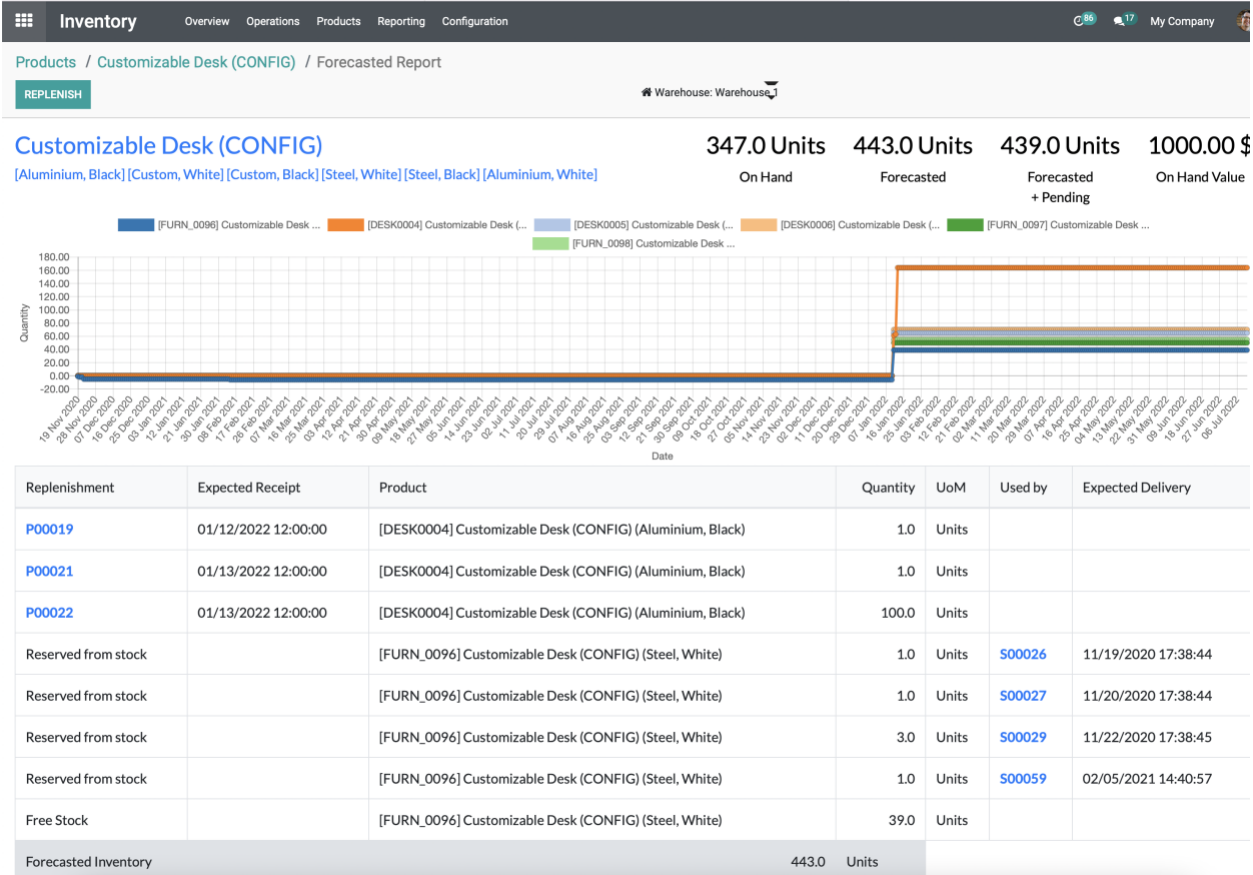

3. **Units On Hand**: This reflects the real time on hand quantity inventory you have of this product. The quantity is automatically calculated and determined by your stock in & stock out in the warehouse function (refer to second part of this training manual).

4. **Units Forecasted**: The system will determine if you have enough quantities on hand to fulfil all your sold (but not yet delivered) orders. Basically, it will take "**ON HAND Quantity**" + "**Delivered but not yet arrived quantity**" - "**SOLD but not yet delivered quantity**", to determine if you have enough stock. So if you have a "negative" stock count, you will know that you do not have enough stock to fulfil all your sales order, and should immediately replenish your stock.

6. **Units Sold**: A summary of all the units you have sold for this product (data from Sales module).

7. **Reordering Rules**: This is a function that combines "Low level alert" with "Replenishing Purchase Orders". You may refer to above section 4.3.3.

8. **Bill of Materials:** If you are also using our manufacturing module, this will show the Bill of Materials that this Product has or is a part of **(data from Manufacturing module) *Not available for W+ Lite, only available for W+ Pro**.

9. **Putaway Rules:** The process of taking products off the receiving shipments and directly putting them into the most appropriate location. In W+ ERP the putaway rules can be defined either per product or per product category. You may refer to second part of this training manual.

10. **Units Purchased**: A summary of all the units you have purchased for this product (data from Purchase module)