



Advanced Inventory

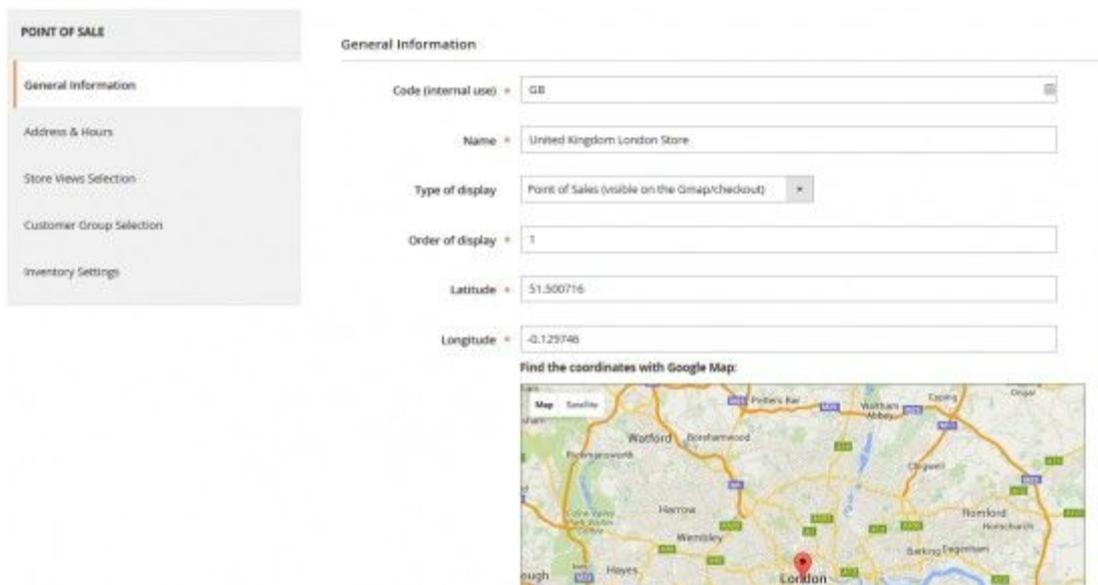
End-user instructions

Points of sale management

Now, you need to create your points of sale and/or warehouses. For this, go to Sales > Point of Sale > Manage POS/WH and click on **Create new point of sale/warehouse**.

General Information

In the **General Information** tab, you can define an internal code for your warehouse/point of sale. Give it a name and a type of display among point of sale and warehouse knowing that the points of sale will be visible on the Google map and that your customers will be able to pickup their orders from these places whereas warehouses won't be visible from the Magento 2 front-office. Finally, give it a priority (order of display) as well as a latitude and a longitude using Google map.



Activate the Store pickup method in Stores > Settings > Configuration > Sales > Shipping methods so that your customers can pickup their orders from your points of sale.

Address & Hours

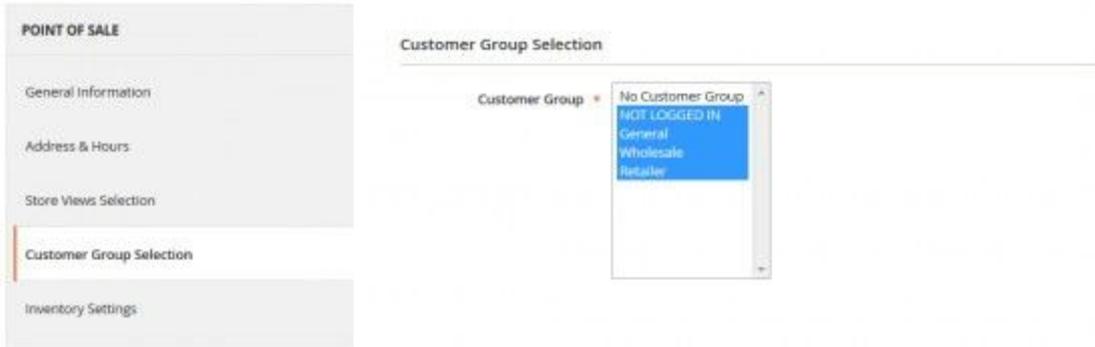
In the **Address & Hours** tab, define the address of the warehouse/point of sale. Add a phone number and an email address. Finally add an image and specify the opening hours if this is a point of sale.

Store Views Selection

In the **Store Views Selection** tab, define for which store view(s) you want this warehouse/point of sale to be visible. You can also make your warehouse/point of sale visible for all store views.

Customer Group Selection

In the **Customer Group Selection** tab, select the group(s) of customers that will be able to see that warehouse/point of sale. Here again, you can do what you want and decide to make that warehouse/point of sale visible for retailers only or for all customer groups.



Inventory Settings

In the **Inventory Settings** tab, you can find 2 subtabs.

Inventory Settings

You can first define the assignment method you want to use between:

- **Do not assign any order**
- **Assign orders when product is available**
- **Assign orders depending on specific rules:** when choosing that option, you have the possibility to fill in the rule to assign the orders to that particular point of sale (Check the following [step](#) to see how to manage assignment rules).

Advanced Inventory for Magento 2 offers you the possibility to notify by email the recipients, that is to say the manager(s) of the point of sale. For that, you simply need to add the different email addresses separated with a comma.

Finally you get the link of a RSS feed that will include any product that shows low stock for that particular POS.

Default settings for products

In the **Default settings for products** subtab, you'll also be able to define the default product settings for this stock.

You'll have the possibility to use the configuration settings for backorder. If you don't, you'll have to define your own parameter for the backorder status between:

- **No backorders:** no order is allowed if the product is out of stock.
- **Allow quantity below 0:** the product can be ordered even if it is out of stock.
- **Allow quantity below 0 and notify customer:** the customers are notified that they can order even if the product is out of stock.

Finally you'll be able to save and apply stock settings to all multi-stock products for this point of sale or warehouse.

The screenshot shows the 'POINT OF SALE' configuration interface. On the left is a sidebar with navigation options: 'General Information', 'Address & Hours', 'Store Views Selection', 'Customer Group Selection', and 'Inventory Settings' (which is highlighted). The main content area is titled 'Inventory Settings' and is divided into two sections: 'Inventory Settings' and 'Default settings for products'.
In the 'Inventory Settings' section:
- 'Stock Management' is set to 'Enabled'.
- 'Assignment method' is a dropdown menu with options: 'Assign orders depending on specific rules' (selected), 'Do not assign any order', and 'Assign orders when product is available'.
- 'Assignment rules' is a text area with a '+' icon and a description: 'Assign to this inventory all orders which shipping address matches with this rule'.
- 'Order notifications' is a text area with a description: 'Email recipients separated with a comma (,)'.
- 'Low stock notification feed' is a text area with the URL: 'http://magento2.wyomind.com/advancedinventory/rss/feed/wm/543'.
In the 'Default settings for products' section:
- 'Quantity management' is set to 'Enabled'.
- 'Use config setting for backorders' is set to 'yes'.
- 'Save and apply' is a checkbox with a description: 'Save and apply stock setting to all multi-stock products for this point of sale/warehouse'.

After having filled in all fields, don't forget to save the configuration of your warehouse/point of sale.

To know more about the point of sale management, you can have a look to our documentation on the [Point of Sale extension for Magento 2](#).

Stocks management

One of the most important features of *Advanced Inventory* for Magento 2 is to manage stocks.

A tool named **Stock movement journal** will help you to see if all your changes have been made. This includes changes made by any user, customer, or via the external API. Go to Sales > Point of sale > Stock movement journal. There you should find a list of all the actions that have been made.

Search [Reset Filter](#)

Actions ▼ 10 records found 30 per page < 1 of 1 >

<input type="checkbox"/>	Date/Time	User	Context	Action	Reference	Details
<input type="checkbox"/>	Nov 23, 2015, 1:20:35 PM	Admin : Jon	Product Page	POS/WH Quantity	P#2,W#541	0 > 10
<input type="checkbox"/>	Nov 23, 2015, 1:20:35 PM	Admin : Jon	Product Page	POS/WH Quantity	P#2,W#541	0 > 10
<input type="checkbox"/>	Nov 23, 2015, 10:20:45 AM	Admin : wyomind	Stock Grid	POS/WH Quantity	P#1,W#541	0 > 50
<input type="checkbox"/>	Nov 23, 2015, 10:20:45 AM	Admin : wyomind	Stock Grid	POS/WH Quantity	P#1,W#542	0 > 50
<input type="checkbox"/>	Nov 23, 2015, 10:20:45 AM	Admin : wyomind	Stock Grid	POS/WH Quantity	P#1,W#543	0 > 50
<input type="checkbox"/>	Nov 23, 2015, 10:20:45 AM	Admin : wyomind	Stock Grid	POS/WH Quantity	P#1,W#544	0 > 50
<input type="checkbox"/>	Nov 23, 2015, 10:20:45 AM	Admin : wyomind	Stock Grid	POS/WH Quantity	P#1,W#545	0 > 50
<input type="checkbox"/>	Nov 23, 2015, 10:20:45 AM	Admin : wyomind	Stock Grid	POS/WH Quantity	P#1,W#546	0 > 50
<input type="checkbox"/>	Nov 23, 2015, 10:20:45 AM	Admin : wyomind	Stock Grid	Product Quantity	P#1	100 > 300
<input type="checkbox"/>	Nov 23, 2015, 10:20:44 AM	Admin : wyomind	Stock Grid	Product Multistock	P#1	off > on

For example, on the above screenshot, we can see that the Admin named Jon has edited a product page (product id = 2) and changed the quantity for the product in a point of sale/warehouse (id = 541) from 0 to 10 units.

If you hover the mouse over the reference code, you'll see the details of the action such as the SKU of the product and the name of the point of sale/warehouse.

Advanced Inventory for Magento 2 allows you to manage your stocks according to 4 different ways:

- From the grid: Products > Inventory > Stocks
- From the backend product page: Products > Inventory > Catalog
- With Mass Stock Update: *Soon available for Magento 2*
- With the API (for web developers only)

Stocks for each point of sale can be visible on the Magento 2 front-office product page directly.

The screenshot shows the LUMA website interface. At the top, there's a search bar and navigation menu with categories like 'What's New', 'Women', 'Men', 'Gear', 'Training', and 'Sale'. The breadcrumb trail indicates the user is on the 'Crown Summit Backpack' page. The main product image is a black backpack. To the right, the product title 'Crown Summit Backpack' is displayed with a 3-star rating and '3 Reviews'. The price is '\$38.00' and it's marked 'IN STOCK' with SKU# 24-MB03. Below the price is a quantity selector set to '1' and an 'Add to Cart' button. A table shows stock availability for different stores:

Store	Availability
France Paris Store	In stock 49 units
Spain Barcelona Store	Out of stock
United Kingdom London Store	In stock 1 units
Germany Berlin Store	Backorder
Belgium Brussels Store	In stock
Italy Rome Store	Out of stock

At the bottom of the table, there are links for 'Find the nearest store', 'WISH LIST', 'COMPARE', and 'EMAIL'.

The display of these stocks will depend on the configuration of each point of sale (which store view and customer group is linked to it) and also from which store view the customer is looking at the product page.

To display the stocks on your product frontend page, you need to add the following script to the file

Magento2/vendor/magento/module-catalog/view/frontend/templates/product/view/form.phtml :

```
<?php
$this->getLayout()->createBlock('\Wyomind\AdvancedInventory\Block\Catalog\Product\Stock')->output($_product); ?>
```

Manage your inventory from the stock grid

Advanced Inventory for Magento 2 allows you to manage your stocks from the product grid in Products > Inventory > Stocks. The product grid displays the quantity available for each product.

To enable or disable multi-stock, you can either tick the products you want and choose **Enable multi-stock** or **Disable multi-stock** from the **Actions** dropdown or select the option you want for each product by clicking on the dropdown in the last column of the grid.

Reset Save all changes

Manage Stocks

Store View: All Store Views

Search

Reset Filter

Actions		Type	Attrb. Set Name	SKU	Visibility	Status	Website	In stock	Qty.	FR-75 France Par...	ES-08 Spain Barc...	GB United Kin...	DE-10 Germany Be...	BE-10 Belgium Br...	IT-00 Italy Rome...	Action
<input checked="" type="checkbox"/>	Enable multi-stock															
<input checked="" type="checkbox"/>	Disable multi-stock															
<input checked="" type="checkbox"/>	1	post Duffle Bag	Simple Product	Bag	24-M801	Catalog Search	Enabled	Main Website	<input type="checkbox"/>	100						
<input checked="" type="checkbox"/>	2	Strap Shoulder Pack	Simple Product	Bag	24-M804	Catalog Search	Enabled	Main Website	<input type="checkbox"/>	100						
<input checked="" type="checkbox"/>	3	Drawn Sunbag Backpack	Simple Product	Bag	24-M803	Catalog Search	Enabled	Main Website	<input type="checkbox"/>	100						
<input checked="" type="checkbox"/>	4	Wayfarer Messenger Bag	Simple Product	Bag	24-M805	Catalog Search	Enabled	Main Website	<input type="checkbox"/>	100						
<input checked="" type="checkbox"/>	5	Rival Field Messenger	Simple Product	Bag	24-M806	Catalog Search	Enabled	Main Website	<input type="checkbox"/>	100						

If you decide to enable multi-stocks, you will be able to enter the number of items in each point of sale or warehouse directly from the grid. The **Qty** column will then be adjusted according to the number of products in each point of sale and warehouse. Note that by selecting **Disable multi-stock**, you won't be able to manage your stocks.

Depending on your stock configuration for each product, you may see orange notifications below the quantity of a point of sale/warehouse.

- **Backorders allowed:** means that backorders are allowed. For example, if you type -10, it will be deducted from the total quantity.
- **Qty not managed:** means that the quantity is not managed for that particular point of sale/warehouse.

Qty	FR-75 France Par...	ES-08 Spain Barc...	GB United Kin...	DE-10 Germany Be...	BE-10 Belgium Br...	IT-00 Italy Rome...	Action
	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	
	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	
229	<input type="text"/> X Qty not managed	<input type="text"/> 48	<input type="text"/> 44	<input type="text"/> 46	<input type="text"/> 46	<input type="text"/> 45	
10	<input type="text"/> 0	<input type="text"/> 0	<input type="text"/> 10	<input type="text"/> 0	<input type="text"/> 0	<input type="text"/> 0	
39	<input type="text"/> 49	<input type="text"/> 0	<input type="text"/> 1	<input type="text"/> -5 Backorder allowed	<input type="text"/> -6 Backorder allowed	<input type="text"/> 0	
262	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	
359	<input type="text"/> 100	<input type="text"/> X Qty not managed	<input type="text"/> 80	<input type="text"/> 69	<input type="text"/> 60	<input type="text"/> 50	
369	<input type="text"/> 100	<input type="text"/> 10	<input type="text"/> 80	<input type="text"/> 70	<input type="text"/> 60	<input type="text"/> 49	
194	<input type="text"/> 30	<input type="text"/> 30	<input type="text"/> 32	<input type="text"/> 33	<input type="text"/> 34	<input type="text"/> 35	
320	<input type="text"/> 100	<input type="text"/> 20	<input type="text"/> 50	<input type="text"/> 50	<input type="text"/> 50	<input type="text"/> 50	

You can also filter by store view. For example, if you choose the FR store view, you'll see only the point(s) of sale linked to that store view and the product quantity of the FR store view.

Manage Stocks

Store View: FR Store View ?

Search [Reset Filter](#) 1 records found

20 per page < 1 of 1 >

ID	Name	Name in %s	Type	Attrib. Set Name	SKU	Visibility	Status	In stock	Qty for FR Store View	FR-75 France Par...	BE-10 Belgium Br...	Action
From										From	From	
To										To	To	
1	Joust Duffle Bag	Joust Duffle Bag	Simple Product	Bag	24-MB01	Catalog, Search	Enabled	<input checked="" type="checkbox"/>	94	X <small>Qty not managed</small>	46	<input type="text"/>
2	Strive Shoulder Pack	Strive Shoulder Pack	Simple Product	Bag	24-MB04	Catalog, Search	Enabled	<input checked="" type="checkbox"/>	0	0	0	<input type="text"/>
3	Crown Summit Backpack	Crown Summit Backpack	Simple Product	Bag	24-MB03	Catalog, Search	Enabled	<input checked="" type="checkbox"/>	43	49	-6 <small>Backorder allowed</small>	<input type="text"/>
5	Rival Field Messenger	Rival Field Messenger	Simple Product	Bag	24-MB06	Catalog, Search	Enabled	<input checked="" type="checkbox"/>	160	100	60	<input type="text"/>
6	Fusion Backpack	Fusion Backpack	Simple Product	Bag	24-MB02	Catalog, Search	Enabled	<input checked="" type="checkbox"/>	160	100	60	<input type="text"/>

Use the arrow keys to increase/decrease the stocks.

Manage your inventory from the backend product page

You can also manage your stocks for each point of sale at the product level. To have access to the back-office product page, you can either go to Products > Inventory > Catalog or to Products > Inventory > Stocks, choose a product and click on **Edit**. You will have the possibility to manage stocks directly in the **Advanced Settings** and **Advanced Inventory** subtab.

To manage your stocks, define **Enable multi-stock** on **YES**. Now you can manage your stocks for each point of sale or warehouse. You have the possibility to enable stock management for one or more points of sale or to keep it disabled.

Advanced Inventory

France Paris Store <small>[Point of Sale (visible), code : FR-75]</small>	Stock management disabled			
Spain Barcelona Store <small>[Point of Sale (visible), code : ES-08]</small>	Stock management enabled	48	No backorders	<input checked="" type="checkbox"/> Use Config Settings
United Kingdom London Store <small>[Point of Sale (visible), code : 05]</small>	Stock management enabled	-1	Allow Qty below 0	<input type="checkbox"/> Use Config Settings
Germany Berlin Store <small>[Point of Sale (visible), code : DE-10]</small>	Stock management enabled	-2	Allow Qty below 0 and Notify	<input type="checkbox"/> Use Config Settings
Belgium Brussels Store <small>[Point of Sale (visible), code : BE-10]</small>	Stock management enabled	46	No backorders	<input checked="" type="checkbox"/> Use Config Settings
Italy Rome Store <small>[Point of Sale (visible), code : IT-00]</small>	Stock management enabled	45	No backorders	<input checked="" type="checkbox"/> Use Config Settings

Be careful when stock management is disabled, no quantity is managed for the product. This means that there is an unlimited number of items and so the product can be ordered.

When stock management is enabled, you can define the product stock for each point of sale.

You have also the possibility not to use default settings. If you untick that box, you have the choice between 3 options:

- **No backorders:** when there's no stock, it's impossible to order the product
- **Allow quantity below 0:** even if there is no stock, the product can be ordered.
- **Allow quantity below 0, and notify customer:** even if there is no stock, the product can be ordered and the customer will be able to see in the front-office that backorder is allowed for that product.

You also have the possibility to filter by store view. For example, if you choose the DE store view, you'll see only the point(s) of sale linked to that store view and the product quantity of the DE store view.

Advanced Inventory

United Kingdom London Store	Stock management enabled		<input checked="" type="checkbox"/> Use Config Settings
[Point of Sale (visible), code : GB]	44	No backorders	
Germany Berlin Store	Stock management enabled		<input checked="" type="checkbox"/> Use Config Settings
[Point of Sale (visible), code : DE-10]	46	No backorders	

Products management

With *Advanced Inventory* for Magento 2, you can manage the stocks of each one of your products and on different levels.

Enable multi-stock

There are several ways of enabling multi-stock for your products.

- **From Products > Inventory > Stocks.**

Select the products you want by ticking each product manually, choosing **Select all** or **Select visible**.

Then from the **Actions** dropdown at the top, select **Enable multi-stock**. Click on **Submit** and then don't forget to **Save all changes**.

Manage Stocks

Store View: All Store Views Search Reset Filter

1 records found (2 selected)

Actions

- Enable multi-stock
- Disable multi-stock

	Name	Type	Attrib. Set Name	SKU	Visibility	Status	Websites	In stock	Qty	FR-75 France Par...	ES-08 Spain Barc...
<input checked="" type="checkbox"/>	1 Joust Duffle Bag	Simple Product	Bag	24-MB01	Catalog Search	Enabled	Main Website	<input checked="" type="checkbox"/>	229	-	-
<input checked="" type="checkbox"/>	2 Strive Shoulder Pack	Simple Product	Bag	24-MB04	Catalog Search	Enabled	Main Website	<input checked="" type="checkbox"/>	10	-	-
<input type="checkbox"/>	3 Crown Summit Backpack	Simple Product	Bag	24-MB03	Catalog Search	Enabled	Main Website	<input checked="" type="checkbox"/>	39	-	-
<input type="checkbox"/>	4 Wayfarer Messenger Bag	Simple Product	Bag	24-MB05	Catalog Search	Enabled	Main Website	<input checked="" type="checkbox"/>	202	-	-

- **From Products > Inventory > Catalog.**

Choose a product and click on **Edit**. In the **Inventory** tab and **Stocks** subtab, you can decide to **Enable multi-stock**.

Advanced Inventory

Enable multi-stock Yes ▾

France Paris Store <small>[Point of Sale (visible), code : FR-75]</small>	Stock management enabled ▾	10	No backorders ▾	<input checked="" type="checkbox"/> Use Config Settings
Spain Barcelona Store <small>[Point of Sale (visible), code : ES-08]</small>	Stock management enabled ▾	-5	Allow Qty below 0 ▾	<input type="checkbox"/> Use Config Settings
United Kingdom London Store <small>[Point of Sale (visible), code : GB]</small>	Stock management enabled ▾	0	No backorders ▾	<input checked="" type="checkbox"/> Use Config Settings
Germany Berlin Store <small>[Point of Sale (visible), code : DE-10]</small>	Stock management enabled ▾	0	No backorders ▾	<input checked="" type="checkbox"/> Use Config Settings
Belgium Brussels Store <small>[Point of Sale (visible), code : BE-10]</small>	Stock management disabled ▾			
Italy Rome Store <small>[Point of Sale (visible), code : IT-00]</small>	Stock management enabled ▾	55	No backorders ▾	<input checked="" type="checkbox"/> Use Config Settings

Use the tree-view

In Products > Inventory > Catalog, you should see a column named **Stocks**. In that column, you should see a link **Show stock details** which is displayed for all products which multi-stock is enabled. If you click on that link, a tree-view is displayed and shows the total of items for each store view.

[Add Product](#)
 Filters

 Default View

 Columns

 Actions 2046 records found

20 per page

<

1

of 103

>

<input type="checkbox"/>	ID ↓	Thumbnail	Name	Type	Attribute Set	SKU	Price	Quantity	Visibility	Status	Websites	Action	Stocks
<input type="checkbox"/>	1		Joust Duffle Bag	Simple Product	Bag	24-MB01	\$34.00	11.0000	Catalog, Search	Enabled	Main Website	Edit	Show stock details
<input type="checkbox"/>	2		Strive Shoulder Pack	Simple Product	Bag	24-MB04	\$32.00	9.0000	Catalog, Search	Enabled	Main Website	Edit	Show stock details
<input type="checkbox"/>	3		Crown Summit Backpack	Simple Product	Bag	24-MB03	\$38.00	38.0000	Catalog, Search	Enabled	Main Website	Edit	Show stock details
<input type="checkbox"/>	4		Wayfarer Messenger Bag	Simple Product	Bag	24-MB05	\$45.00	263.0000	Catalog, Search	Enabled	Main Website	Edit	-

If the treeview is not displayed make sure the **Stocks** column is selected in the **Columns** dropdown.

Below is a concrete example:

Each point of sale or warehouse is linked to one or more store views:

- French Paris Store: US and FR Store views
- Germany Berlin Store: US and DE Store views
- United Kingdom London Store: US Store view

For a product available in 3 points of sale:

- French Paris Store: 5 items,
- Germany Berlin Store: 2 items,
- United Kingdom London Store: 4 items

You will get the following treeview:

Main Website

 Main Website Store

 DE Store View (6)

 Germany Berlin Store (2)

 United Kingdom London Store (4)

 FR Store View (9)

 French Paris Store (5)

 United Kingdom London Store (4)

 US Store View (11)

 French Paris Store (5)

Germany Berlin Store (2)
United Kingdom London Store (4)

ID	Thumbnail	Name	Type	Attribute Set	SKU	Price	Quantity	Visibility	Status	Websites	Action	Stocks
1		Joust Duffle Bag	Simple Product	Bag	24-MB01	\$34.00	11,000	Catalog Search	Enabled	Main Website	Edit	<ul style="list-style-type: none"> Main Website (11) <ul style="list-style-type: none"> Main Website Store (11) <ul style="list-style-type: none"> DE Store View (0) FR Store View (0) France Paris Store (3) United Kingdom London Store (4) US Store View (11)
2		Stive Shoulder Rack	Simple Product	Bag	24-MB04	\$32.00	5,000	Catalog Search	Enabled	Main Website	Edit	Show stock details
3		Crown Summit Backpack	Simple Product	Bag	24-MB03	\$38.00	38,000	Catalog Search	Enabled	Main Website	Edit	Show stock details
4		Wayfarer Messenger Bag	Simple Product	Bag	24-MB05	\$45.00	263,000	Catalog Search	Enabled	Main Website	Edit	-

Sales management

Advanced Inventory for Magento 2 allows you to assign the orders in two different ways:

- Manually
- Automatically

To manage the order assignments automatically, you need to define the **Automatic assignment enabled option** on **Yes** from Stores > Settings > Config > Wyomind > Advanced Inventory.

Before anything, you must know that an order will be assigned to a pos or a warehouse according to these settings:

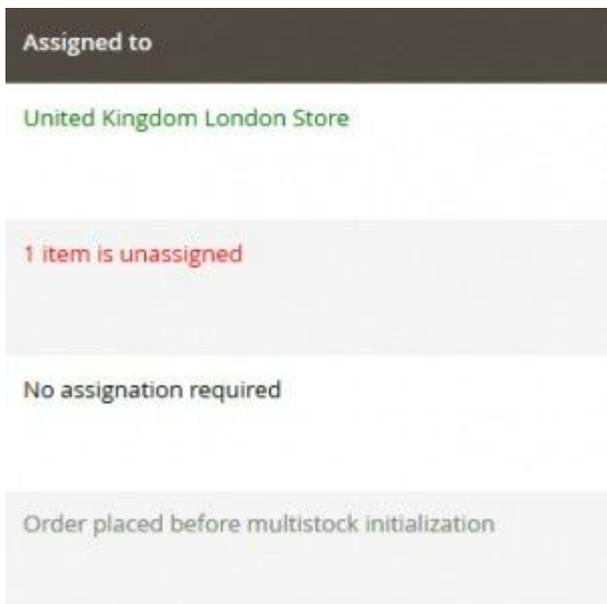
- **the store view:** which store view is assigned to the pos/wh.
- **the customers group:** which customer group is assigned to the pos/wh.
- **the priority:** does the pos/wh have priority.
- **the availability of products:** are all the ordered products available in the pos/warehouse.
- **the assignment rules:** what are the assignment rules defined for the pos/wh.
- **the shipping address:** what is the shipping address of the customer.
-

In order to manage the automatic assignments, 2 tools are essential. You can configure the assignment rules in the **Inventory settings** tab of a pos/wh so that the orders can be automatically assigned to a pos/wh depending on the area. Finally the assignment table available in Sales > Operations > Orders will allow you to check to which pos/wh the orders have been assigned and modify these assignments.

Assignment table

If you go to Sales > Operations > Orders, you should see a column named **Assignment**. A notification is displayed in the box. It can be in different color depending on the order assignment:

- **Name(s) of the pos/wh** = the order is assigned to one or more pos/wh if you enabled the multi-assignment
- **No assignment required** = the status of the order is disallowed for manual assignment
- **Order placed before multistock initialization** = the date of the order is older than the start date for order assignment
- **1 item is partially unassigned** = some products are partially assigned
- **1 item is unassigned** = some products must be assigned manually to a pos/wh



The assignment table will be displayed in any Order view page, or by clicking on a green or a red notification from the **Assignment** column in Sales > Operations > Orders. A popup window opens and displays an assignment table. That table will show the products of the order, the different points of sale/warehouses and the stock for each item.

Product name	Qty	FR-75	ES-08	GB	DE-10	BE-10	IT-00
Joust Duffle Bag	1	X 0	47 1	44 0	46 0	46 0	45 0
Strive Shoulder Pack	1	0 0	0 0	9 1	0 0	0 0	0 0
Crown Summit Backpack	1	49 0	0 0	1 0	-6 1	-6 0	0 0
Wayfarer Messenger Bag	1	-	-	-	-	-	-
Rival Field Messenger	1	100 0	X 0	80 0	69 0	60 0	50 0

In stock
 Out of stock
 Backorders
 X Qty not managed
 - Stock not managed

Reset Run automatic assignment Save

Whenever you want, you can assign each product to one or more points of sale/warehouses (if you have enabled the **Multiple assignment enabled** option in Stores > Settings > Configuration > Wyomind > Advanced Inventory) or modify the automatic order assignment from that table.

You also have the possibility to automatically assign the items by clicking on **Run automatic assignment**. The products will then be automatically assigned to the points of sale/warehouses bringing together the more assignment criteria.

In the example above, you can see how many items must be assigned in the **Qty** column. The last line is in red because one item still must be assigned.

Some colors and symbols will help you to understand how the assignment table works:

- **Numbers in Green:** means that the pos/wh has stock
- **Numbers in Red:** means that there is no stock and no backorders
- **Numbers in Orange:** means that backorders are allowed
- **X Qty not managed:** multi-stock is disabled
- **- Stock not managed:** you don't manage stock for a product at all (the product is then available)

Assignment rules

The assignment rules allow you to automatically assign orders placed on your website to one or more points of sale. These rules allow you to define the geographical area that each one of your points of sale can cover. They are based on your customer's shipping address: code of the country and/or zip code and/or regional code.

In addition to the assignment rules, you need to have defined:

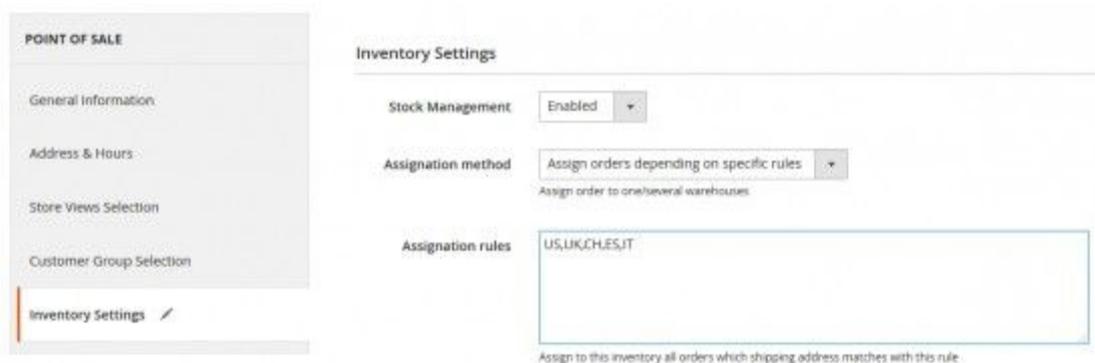
- the **Automatic assignment enabled** on **Yes** in Stores > Settings > Config > Wyomind > Advanced Inventory

- the **Assignment method** on **Assign orders depending on specific rules** in the **Inventory settings** tab of a point of sale configuration

You need to define assignment rules for each point of sale or warehouse. For this, go to Sales > Point of Sale > Manage POS / WH, choose a point of sale and click on **Edit**.

In the **Inventory settings** tab, make sure you have selected **Assign orders depending on specific rules**. Here you can write your own assignment rules using the same syntax as the Owebia Shipping extension (with their agreement).

By default, the assignment rules are defined on "*" which means that the point of sale/warehouse will manage orders from worldwide. If the field is empty, the pos/wh won't assign any order (except when the pickup method is enabled which allows customers to choose the point of sale where they want to pickup their orders).



Below are some examples that you can use in the **Assignment rules** field:

By default:

*: Worldwide

For a whole country:

US(*): All United-States

UK(*): All United-Kingdom

FR(*): All France

For a specific region of a country:

US(CA): California / United-States

FR(75*): All French zip codes starting with 75 (Department of Paris)

DE(7*): All German zip codes starting with 7 (Region of Bade-Wurtemberg)

For many countries:

US,UK,CH,ES,IT: United-States, United-Kingdom, Switzerland, Spain and Italy

You can subtract some regions. For example:

* - **(CAN, US(CA,FL))**: Worldwide except Canada, California and Florida

For flexible assignation rules, it is also possible to use regular expressions:

FR(/^75[0-9]+\$/): Department of Paris (All French zip codes starting with 75 followed by numbers from 0 to 9)

To better understand how to use assignation rules, you can have a look at the [Owebia Shipping](#) documentation.

Credit memo management

With Magento 2 you can create credit memo for any customer that wants to return products that have already been invoiced.

In that case, *Advanced Inventory* will allow you to return products to specific stocks directly when editing the credit memo in Sales > Operations > Orders.

For example, a customer wants to return an item. When creating the credit memo, you'll be able to choose to which stock you want to return the item.

Product	Price	Qty	Return to Stock	Qty to Refund	Subtotal	Tax Amount	Discount Amount	Row Total
Joust Duffle Bag SKU: 24-MB01	\$34.00	Ordered 1 Invoiced 1 Shipped 1	No No France Paris Store Spain Barcelona Store United Kingdom London Store Germany Berlin Store Belgium Brussels Store Italy Rome Store	1	\$34.00	\$0.00	\$0.00	\$34.00

In the case where you have many items to restock, you'll be able to choose a different point of sale or warehouse for each item.

Product	Price	Qty	Return to Stock	Qty to Refund	Subtotal	Tax Amount	Discount Amount	Row Total
Fusion Backpack SKU: 24-MB02	\$59.00	Ordered 1 Invoiced 1 Shipped 1	United Kingdom London Store	1	\$59.00	\$0.00	\$0.00	\$59.00
Impulse Duffle SKU: 24-UB02	\$74.00	Ordered 1 Invoiced 1 Shipped 1	Spain Barcelona Store	1	\$74.00	\$0.00	\$0.00	\$74.00

Update Qty's

Now if you check in Sales > Point of Sale > Stock movement journal, the credit memo has been taken into account and the items have been returned to the point(s) of sale/warehouse(s) you've chosen.

Advanced Inventory > Stock movement journal

Search [Reset Filter](#)

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<input type="checkbox"/>	Date/Time	User	Context	Action	Reference	Details
<input type="checkbox"/>	Dec 17, 2015, 11:18:19 AM	Admin : wyomind	Refund	POS/WH Quantity	O#45,P#2,W#544	1 > 0
<input type="checkbox"/>	Dec 17, 2015, 11:18:19 AM	Admin : wyomind	Refund	Product Quantity	O#45,P#2	149 > 150
<input type="checkbox"/>	Dec 17, 2015, 11:18:18 AM	Admin : wyomind	Refund	POS/WH Quantity	O#45,P#1,W#541	0 > -1
<input type="checkbox"/>	Dec 17, 2015, 11:18:18 AM	Admin : wyomind	Refund	Product Quantity	O#45,P#1	149 > 150

Permissions management

With *Advanced Inventory* for Magento 2 you have the possibility to assign different rights to each admin user.

Let's imagine you have 6 points of sale managed by 3 store owners.

Each store owner manages 2 points of sale:

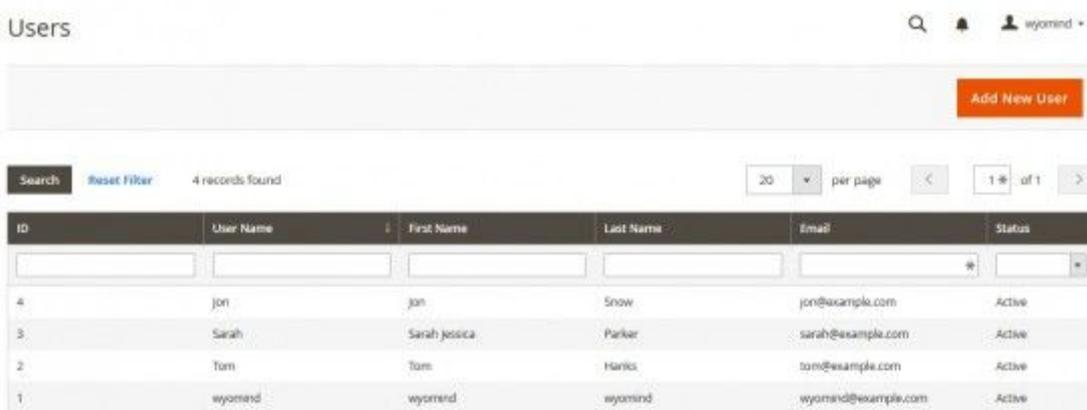
- **Tom**, the first store owner manages the German and Belgium points of sale.
- **Sarah** manages the Spanish and Italian points of sale.
- **Jon**, the third manager is in charge of the French and British points of sale.

Roles and Users management

In a first time, you need to create a role in System > Permissions > User Roles. Define a name (ex: **Manager**) as well as the permissions associated to that role. You can choose the different permissions you want to assign to the role (for example not to allow the management of the permissions table for these users).



Then, create an admin user for each one of these managers in System > Permissions > All users. They can all be linked to a same role, for example **Manager**.



Permissions table management

Go to Sales > Point of Sale > Users permissions. There you can assign permissions to each store manager so that they can all manage the points of sale they're in charge of.

To do so, simply tick the appropriate boxes for each manager.

By ticking the **All** box, the store owner will be able to manage all the points of sale and orders placed by customers.

If you tick **Unassigned orders**, the store owner will be able to manage all the orders that haven't been assigned to a point of sale.

Reset Save all changes

Manage POS / Warehouses users permissions

Admin User	All	Unassigned orders	France Paris Store	Spain Barcelona Store	United Kingdom London Store	Germany Berlin Store	Belgium Brussels Store	Italy Rome Store
wyomind - wyomind wyomind	<input checked="" type="checkbox"/>							
Tom - Tom Hanks	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>				
Sarah - Sarah Jessica Parker	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Jon - Jon Snow	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Now, if a store manager logs into the Magento 2 back-office, for example Sarah. Among the orders placed by the customers, she'll be able to see, manage and change the number of items only assigned to the points of sale she manages: the Spanish and Italian points of sale.

Orders

Create New Order

Filters
👁 Default View
⚙ Columns
📄 Export

Select items 5 records found 20 per page 1 of 1

ID	Purchase Point	Purchase Date	Bill to Name	Ship to Name	Grand Total (Base)	Grand Total (Purchased)	Status	Assigned to	Action
<input type="checkbox"/> 00000032	Main Website Main Website Store US Store View	Dec 8, 2015 3:17:47 PM	Robert E. Flores	Robert E. Flores	\$84.00	\$84.00	Pending	Italy Rome Store	View
<input type="checkbox"/> 00000030	Main Website Main Website Store US Store View	Dec 8, 2015 2:48:18 PM	Robert E. Flores	Robert E. Flores	\$49.00	\$49.00	Pending	Spain Barcelona Store	View
<input type="checkbox"/> 00000027	Main Website Main Website Store US Store View	Dec 4, 2015 1:40:56 PM	Alessandra Toscani	Alessandra Toscani	\$50.00	\$50.00	Pending	Italy Rome Store	View