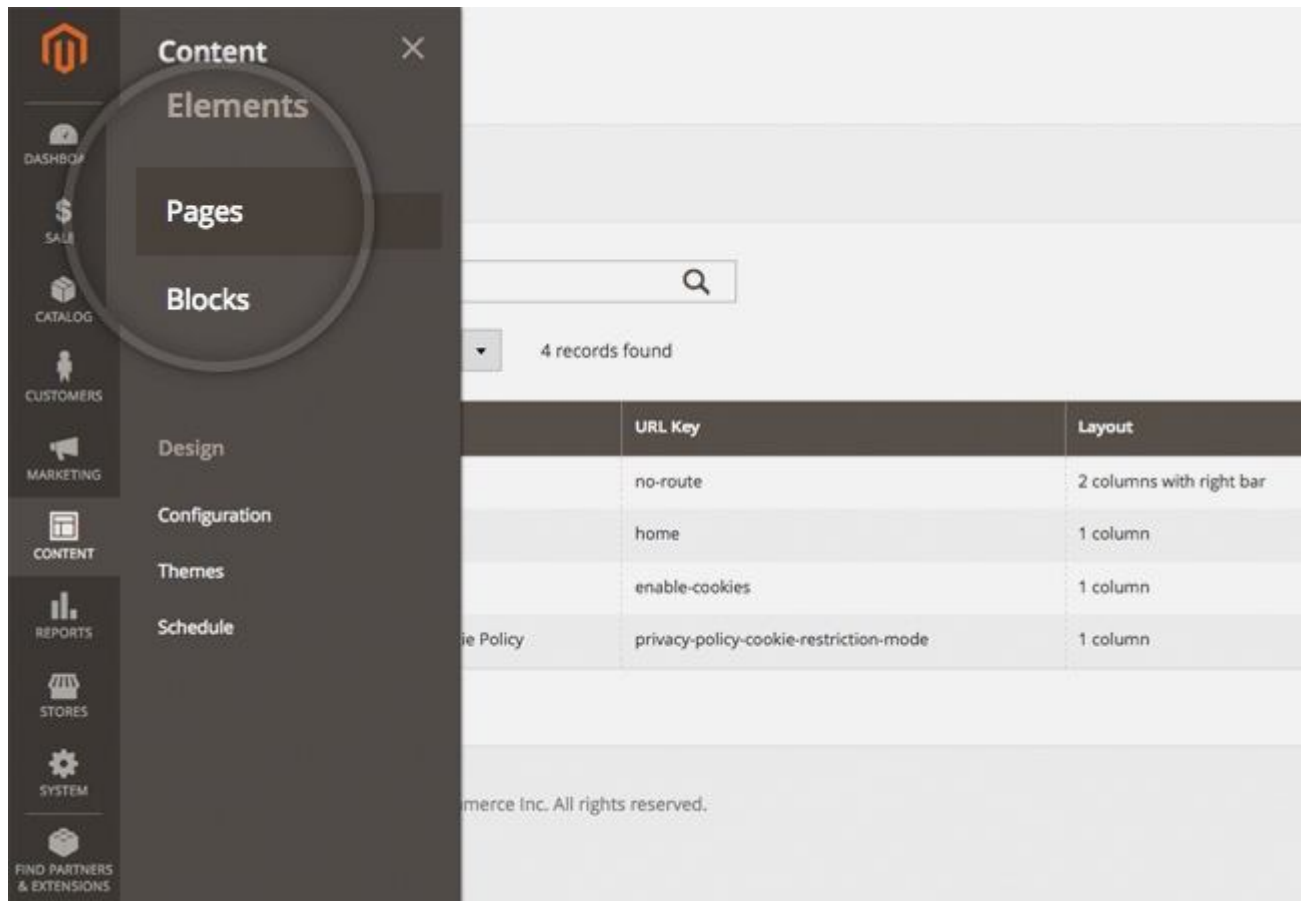


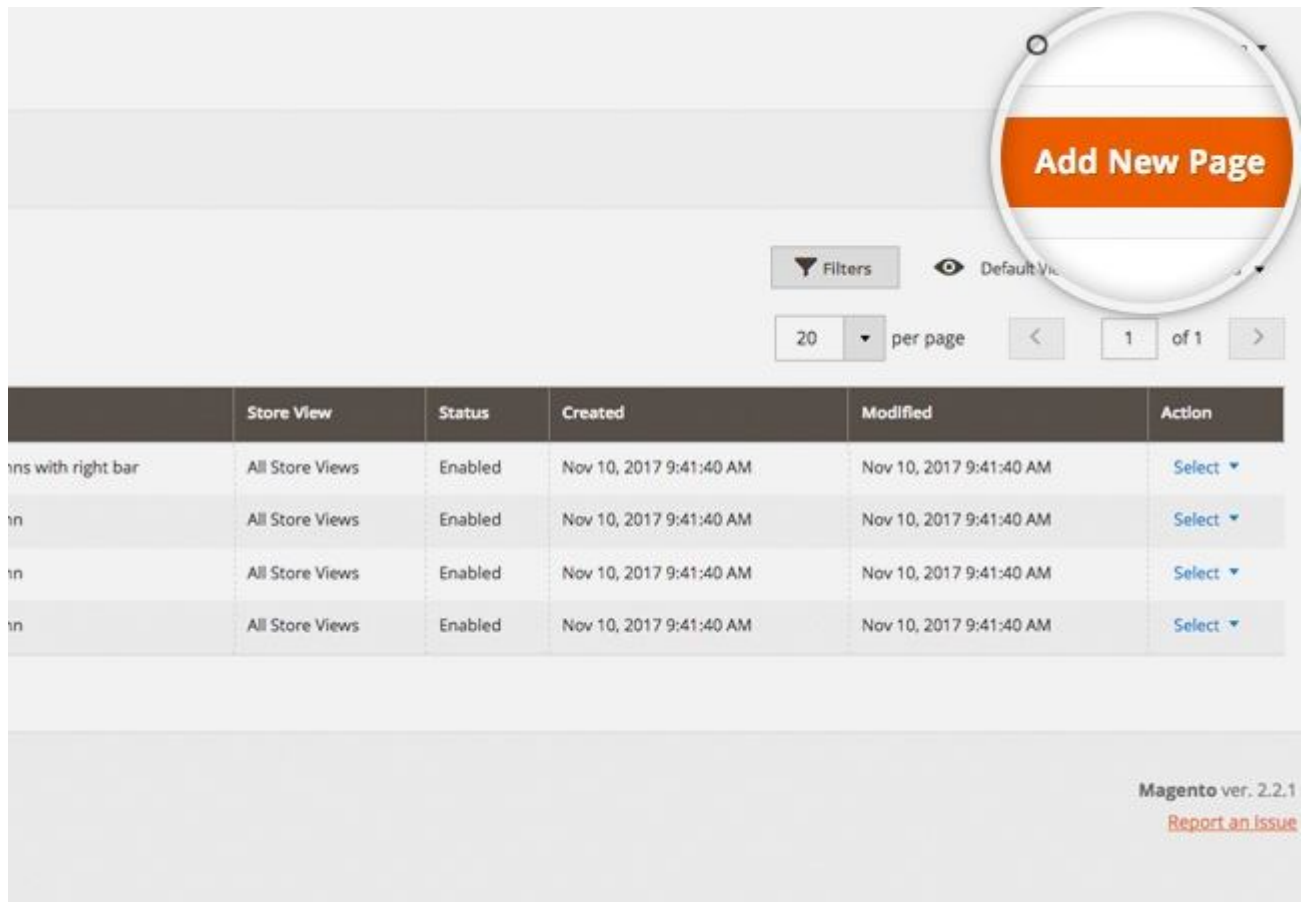
Create a Magento website

Task: 1 Page Management

In order to add new pages or edit the existing ones in Magento, you should go to the **Content** menu and click on the **Pages** option under **Elements** section.



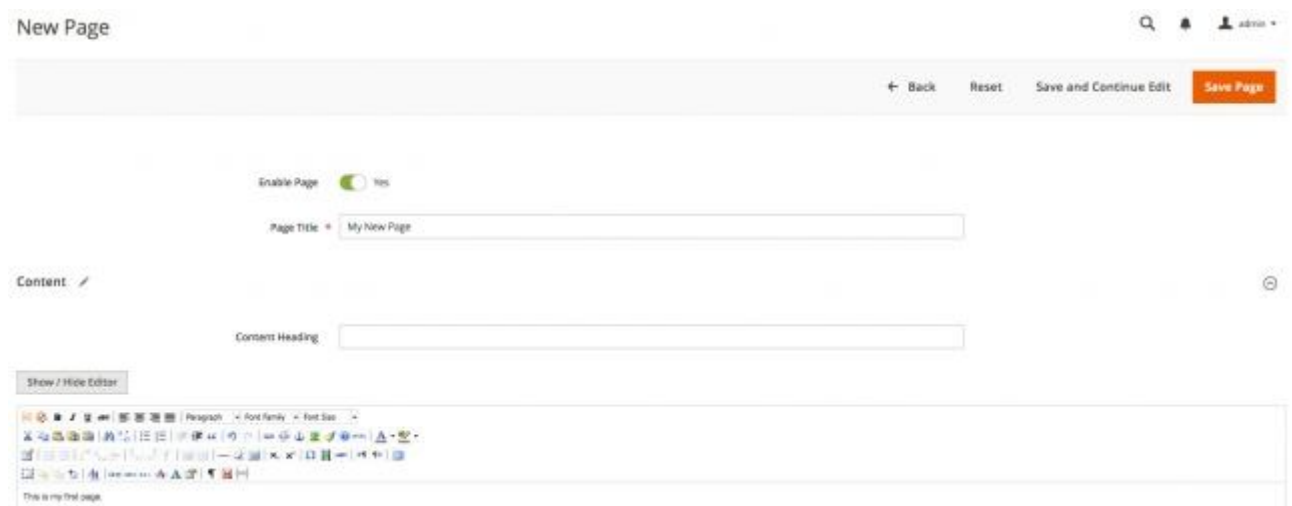
Magento 2 comes with 4 default pages but if you want to create a new one, you should click on the **Add New page** button.



The screenshot shows the Magento Admin interface for managing pages. A circular callout with an orange button labeled "Add New Page" is positioned in the top right corner. Below the callout, there are controls for filters, a default view icon, and pagination (20 per page, 1 of 1). A table lists existing pages with columns for Store View, Status, Created, Modified, and Action. The bottom right corner shows the Magento version (2.2.1) and a link to "Report an Issue".

	Store View	Status	Created	Modified	Action
ns with right bar	All Store Views	Enabled	Nov 10, 2017 9:41:40 AM	Nov 10, 2017 9:41:40 AM	Select ▾
in	All Store Views	Enabled	Nov 10, 2017 9:41:40 AM	Nov 10, 2017 9:41:40 AM	Select ▾
in	All Store Views	Enabled	Nov 10, 2017 9:41:40 AM	Nov 10, 2017 9:41:40 AM	Select ▾
in	All Store Views	Enabled	Nov 10, 2017 9:41:40 AM	Nov 10, 2017 9:41:40 AM	Select ▾

Clicking that button would redirect you to the new page addition option where you may add **Page Title**, **Content Heading**, **Content**, **SEO options**, **Theme**, etc.



The screenshot shows the "New Page" form in the Magento Admin. At the top, there are navigation links: "Back", "Reset", "Save and Continue Edit", and a prominent orange "Save Page" button. Below these, there is a toggle for "Enable Page" set to "Yes". The "Page Title" field contains the text "My New Page". The "Content" section is expanded, showing a "Content Heading" field and a rich text editor with various formatting tools. A "Show / Hide Editor" button is located above the editor.

When you fill in the desired option - just click on the **Save page** button and that's it - you have added the new page.

In case you want to edit an already existing page, again go to the **Content** menu and click on the **Pages** option under **Elements** section. Now just choose the page you want to edit and click on it to preview the main editing options such as **Title**, **URL key**, **Status**, etc.

Magento – Ecommerce website development

Pages

Search by keyword

Actions 5 records found (1 selected)

20 per page 1 of 1

	Title	URL Key	Layout	Store View	Status	Created	Modified	Action
<input type="checkbox"/>	404 Not Found	no-route	2 columns with right bar	All Store Views	Enabled	Nov 10, 2017 9:41:40 AM	Nov 10, 2017 9:41:40 AM	Select
<input checked="" type="checkbox"/>	Home page	home	1 column	All Store Views	Enabled	Nov 10, 2017 9:41:40 AM	Nov 10, 2017 9:41:40 AM	Select
<input type="checkbox"/>	Enable Cookies	enable-cookies	1 column	All Store Views	Enabled	Nov 10, 2017 9:41:40 AM	Nov 10, 2017 9:41:40 AM	Select
<input type="checkbox"/>	Privacy and Cookie Policy	privacy-policy-cookie-restrictionmode	1 column	All Store Views	Enabled	Nov 10, 2017 9:41:40 AM	Nov 10, 2017 9:41:40 AM	Select
<input type="checkbox"/>	My New Page	mynew-page	Empty	All Store Views	Enabled	Nov 13, 2017 8:18:40 AM	Nov 13, 2017 8:18:40 AM	Select

In case you want to edit other part of the page such as its content, you should expand the **Select** menu and click on the **Edit** button from the drop down menu.

Pages

Search by keyword

Actions 5 records found (1 selected)

20 per page 1 of 1

	Title	URL Key	Layout	Store View	Status	Created	Modified	Action
<input type="checkbox"/>	404 Not Found	no-route	2 columns with right bar	All Store Views	Enabled	Nov 10, 2017 9:41:40 AM	Nov 10, 2017 9:41:40 AM	Select
<input checked="" type="checkbox"/>	Home page	home	1 column	All Store Views	Enabled	Nov 10, 2017 9:41:40 AM	Nov 10, 2017 9:41:40 AM	Select
<input type="checkbox"/>	Enable Cookies	enable-cookies	1 column	All Store Views	Enabled	Nov 10, 2017 9:41:40 AM	Nov 10, 2017 9:41:40 AM	Select
<input type="checkbox"/>	Privacy and Cookie Policy	privacy-policy-cookie-restrictionmode	1 column	All Store Views	Enabled	Nov 10, 2017 9:41:40 AM	Nov 10, 2017 9:41:40 AM	Select
<input type="checkbox"/>	My New Page	mynew-page	Empty	All Store Views	Enabled	Nov 13, 2017 8:18:40 AM	Nov 13, 2017 8:18:40 AM	Select

Magento ver. 2.2.1
[Report an Issue](#)

Task 2: Product Adding

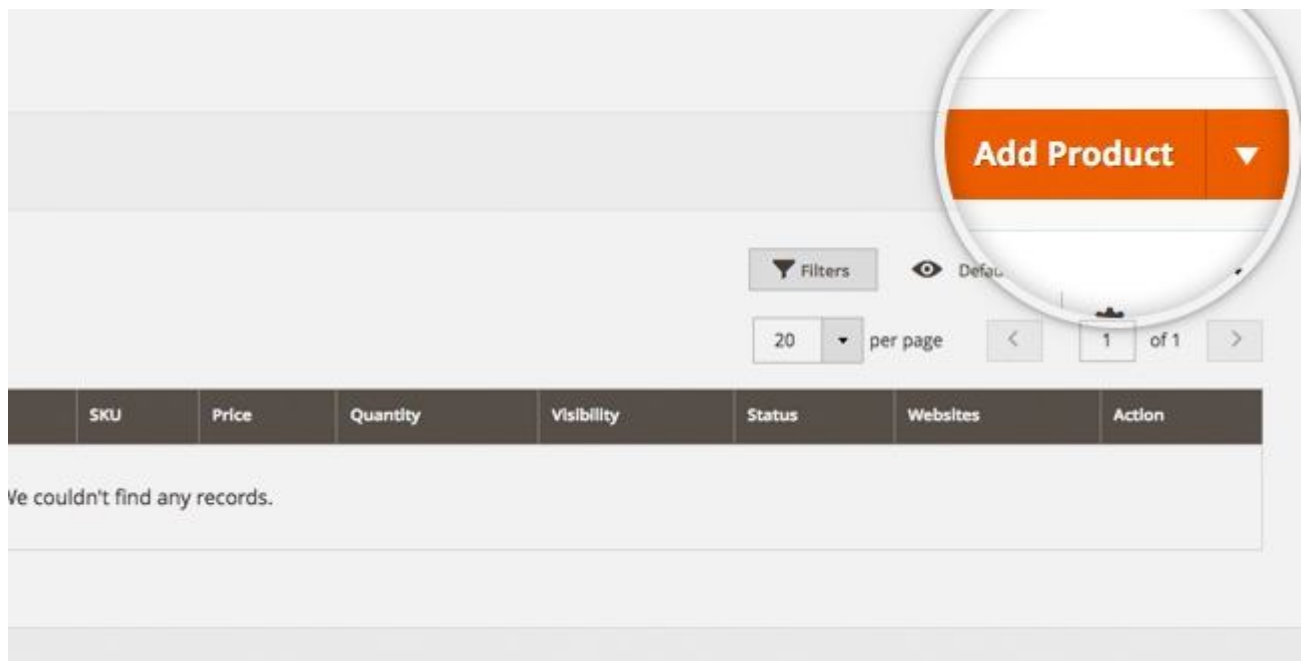
This section covers the following topics:

- [Add Products in Magento](#)
- [Add Media to Your Products](#)
- [Manage Product Attributes](#)

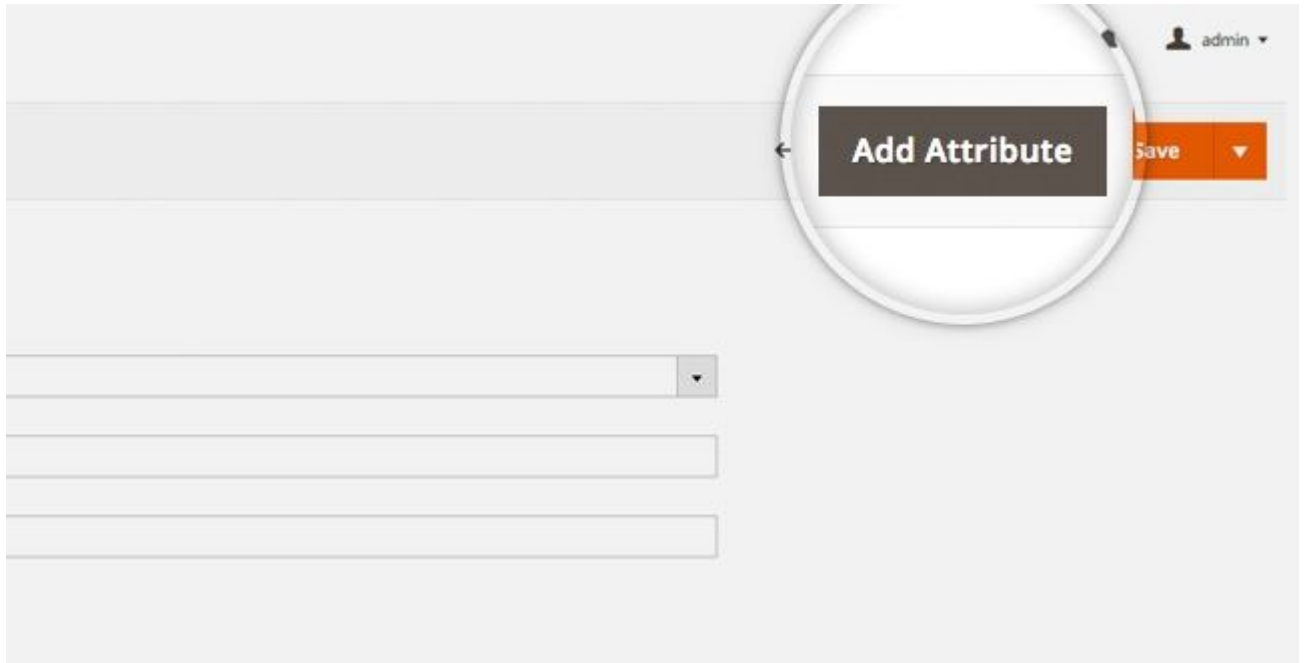
One of the most important parts of managing an e-commerce application is the products. In Magento this process consists of a few main parts.

Add Products in Magento

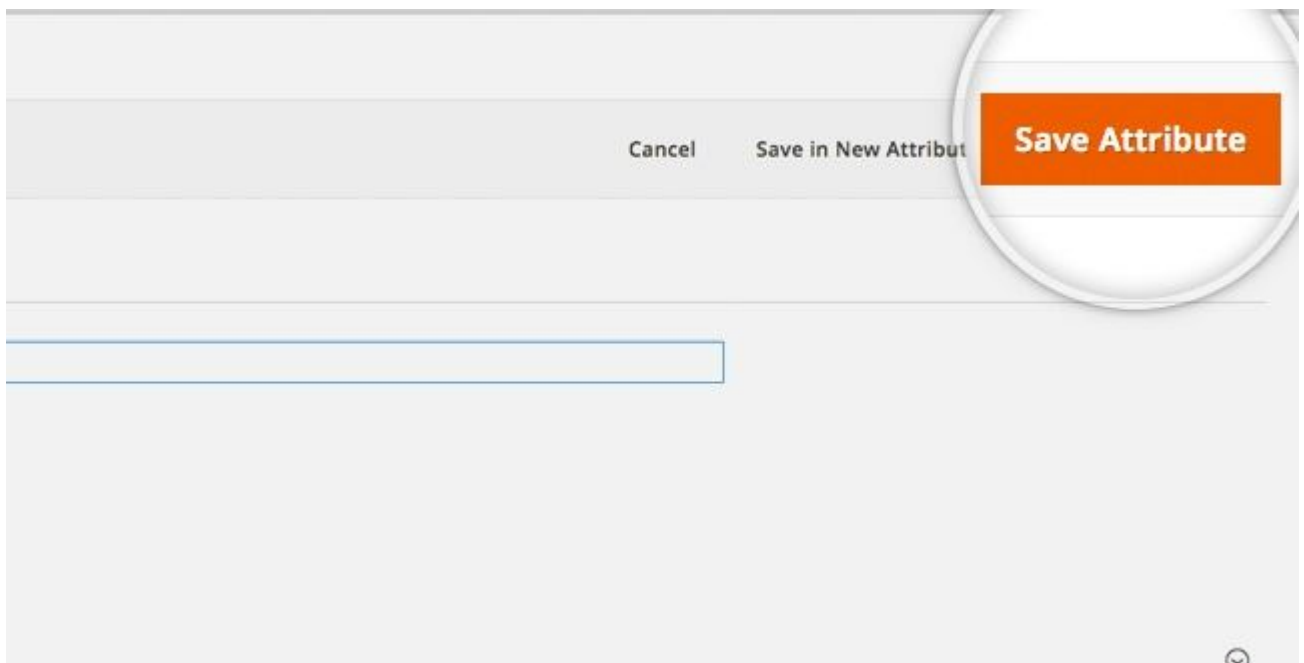
To add a new product in your Magento website you should go to the Magento admin panel > **Catalog > Products**. Afterwards click on the **Add product** button at the top right of the page.



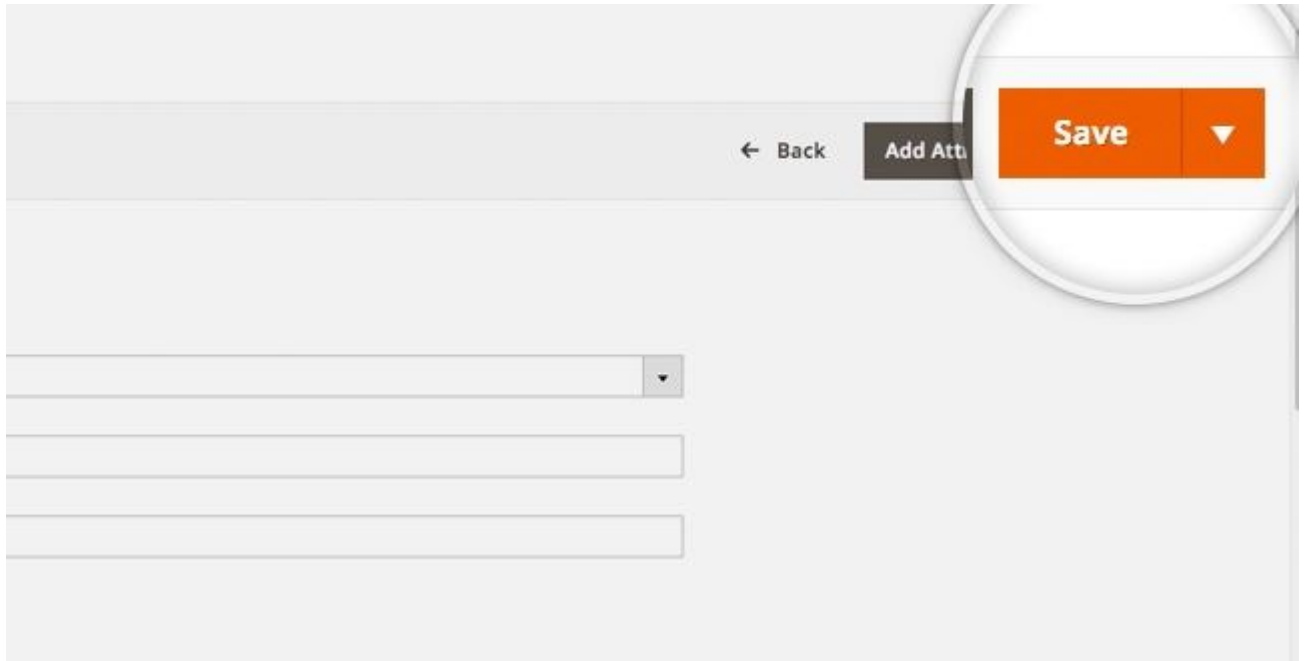
This would redirect you to the next page where you should input the product's options like *Attribute set*, *Product name*, *SKU*, *price*, etc. There is also option to add *Images*, *Videos*, setup *URL key* and much more. You may review all of the available options when you scroll down. You may also add a new attribute if necessary by clicking on the **Add attribute** button.



This would open a pop-up window which you may use to add the desired Attribute. When ready, click on the **Save attribute** button.

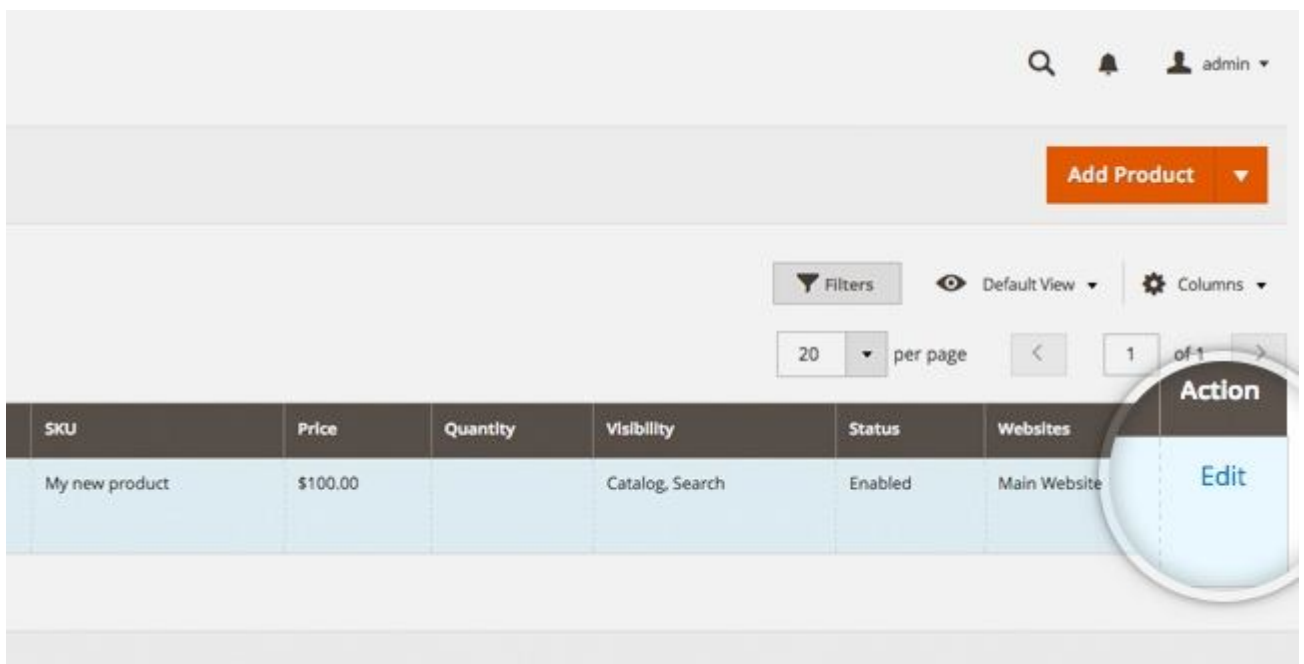


When you fill in the necessary details for your product - just click on the **Save** button




Add Media to Your Products

Adding an image to an existing product is easy in Magento. What you need to do is go to the **Catalog > Products** page and select the product you want to add image for or click on the **Edit** link in the **Action** menu.



You will be automatically redirected to edit the product where you should scroll down to the Images and Videos section. To browse for an Image click on the **Browse to find or drag image here** icon. As the name of the icon suggests, Magento 2 provides the option to drag an image to upload it.


DASHBOARD
SALES
CATALOG
CUSTOMERS
MARKETING
CONTENT
REPORTS
STORES
SYSTEM
FIND PARTNERS & EXTENSIONS

My new product

Content


Configurations

Configurable products allow customers to choose options (Ex: shirt color). You need color).

Product Reviews

Attributes


Images And Videos



1600x1200 px, 823 KB

Base Small

Thumbnail Swatch



Browse to find or drag image here

To add a video, just click on the **Add Video** button and a pop-up window would appear.

Url *

Vimeo supported.
To add YouTube video, please [enter YouTube API Key](#) first.

Title *

Description

Preview Image No file selected.

Role ☐ Base

☐ Small

☐ Swatch

☐ Thumbnail

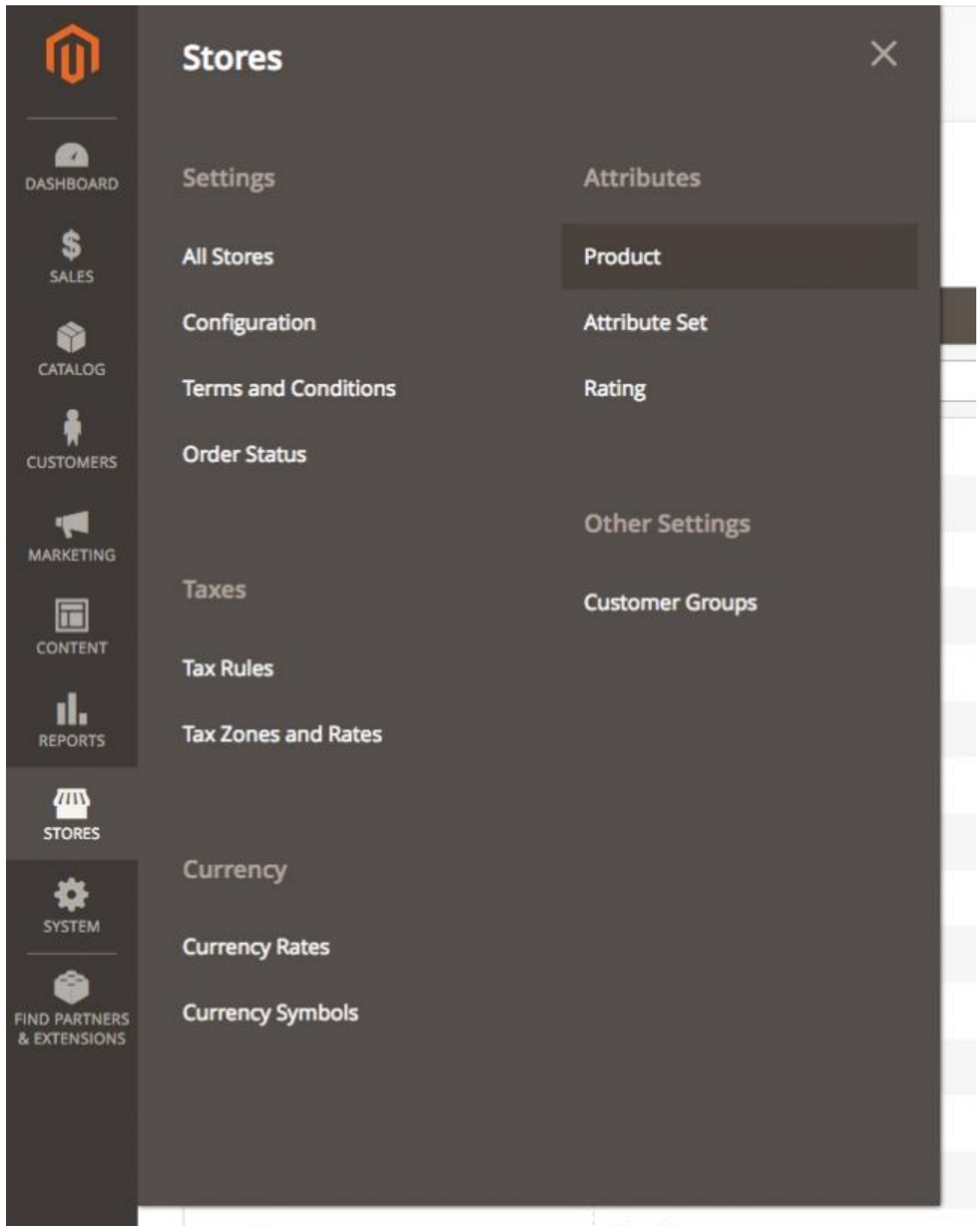
☐ Hide from Product Page

Here you may browse for video or fill in the URL of the video. Once ready - click on the **Save** button.

When the desired media is added - make sure to save the product using the **Save** button.

Manage Product Attributes

In order to access the available product attributes you should go to the **Stores** menu and select **Product** under the **Attributes** section.



To create a new Attribute you should click on the **Add new attriubute** button.

Add New Attribute

20 per page

System	Visible	Scope	Searchable	Use In Layered Navigation	Comparable
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Yes	No	Global	No	No	No
No	No	Global	Yes	Filterable (with results)	Yes
No	No	Global	No	No	No
Yes	No	Web Site	No	No	No
Yes	No	Store View	No	No	No
Yes	No	Store View	No	No	No

Once you are ready with the attribute, click on the **Save Attribute** button.

← Back

Reset

Save and Continue

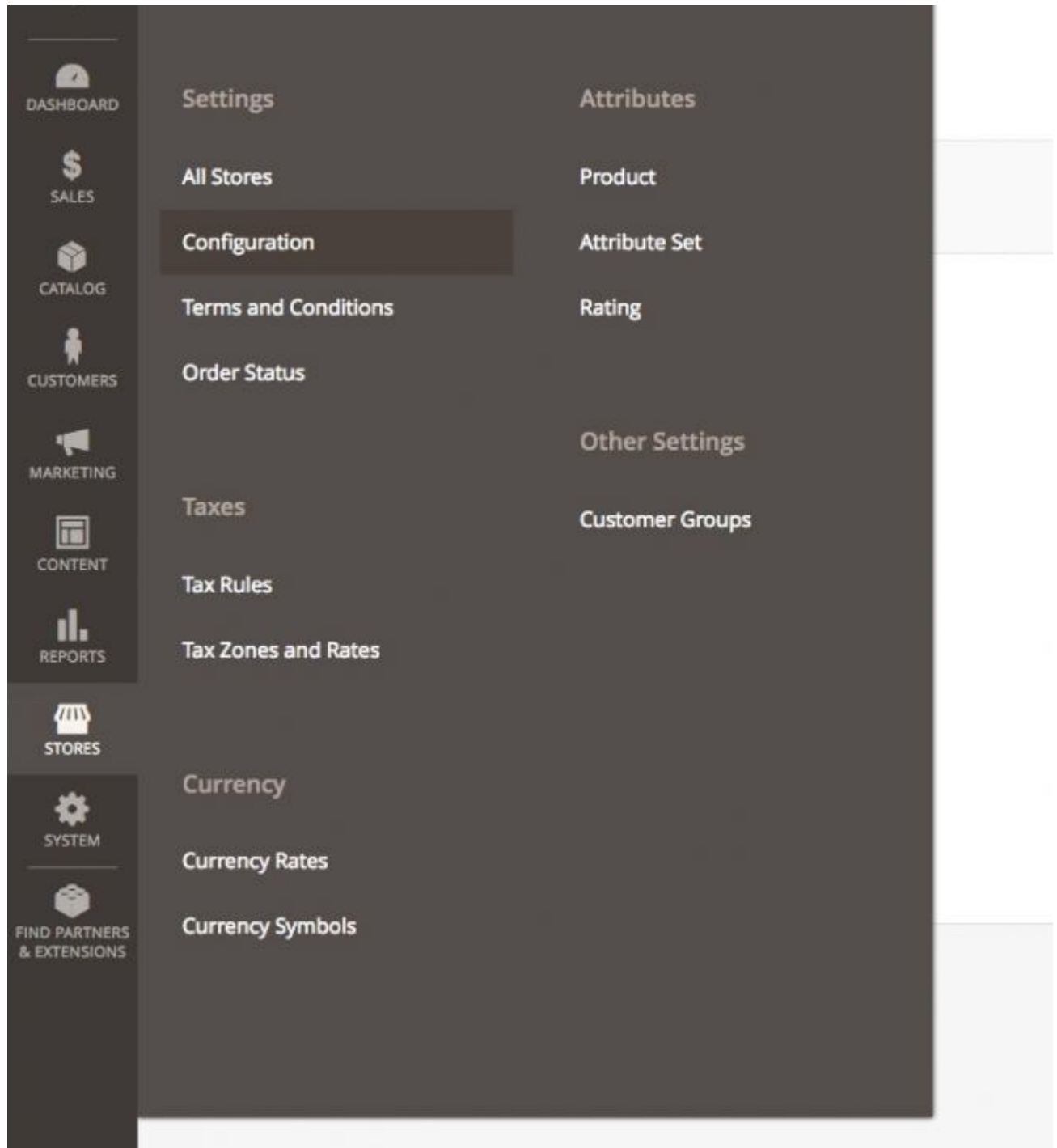
Save Attribute

Attribute

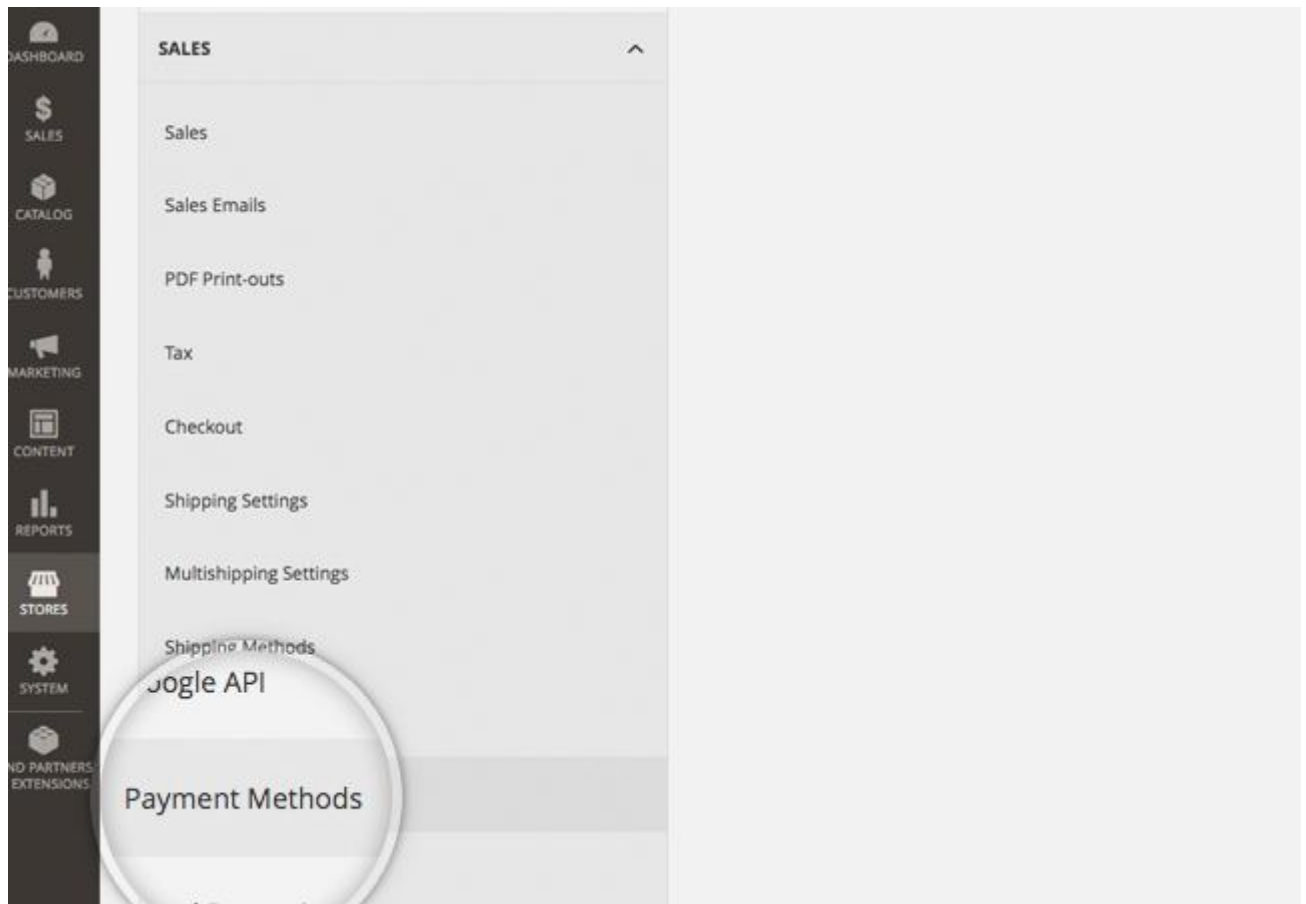
Field

Task 3:Payment Method

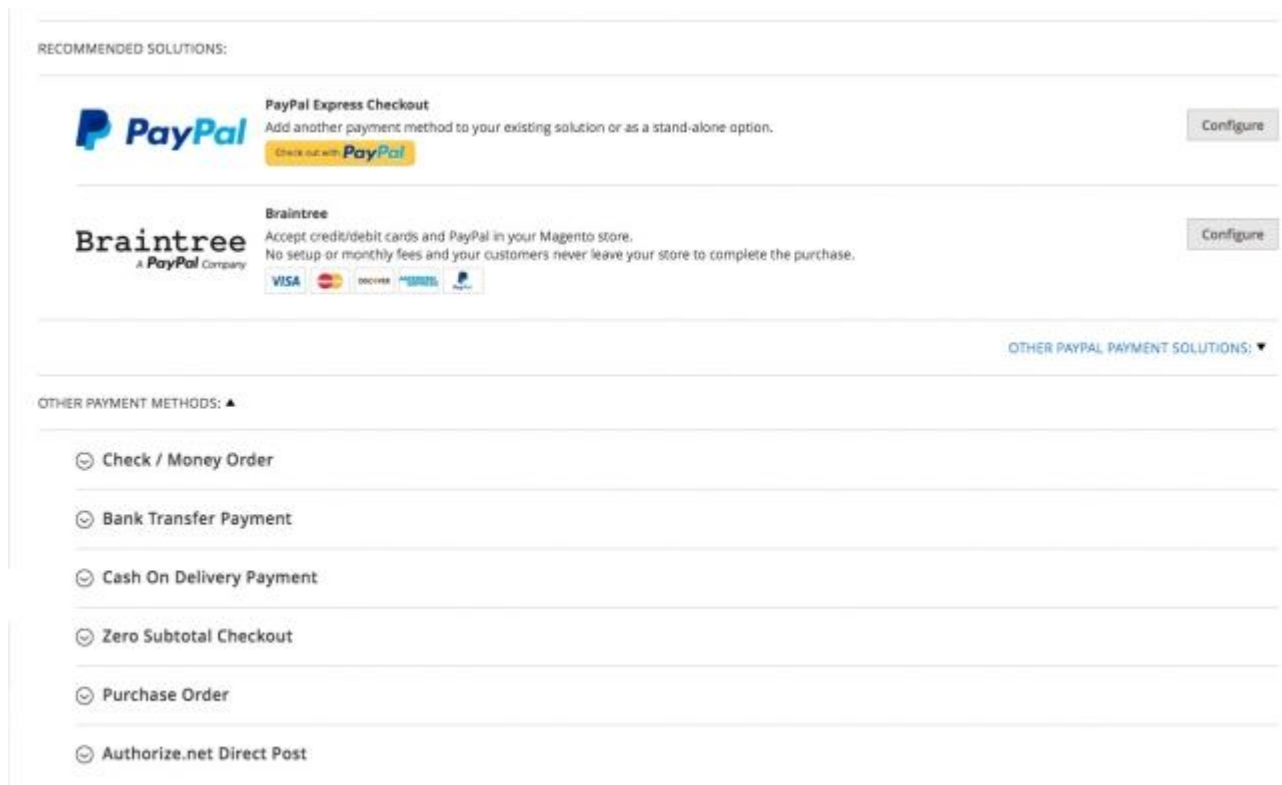
You may review the available payment methods in Magento via the admin panel by clicking on the **Stores** menu > **Settings** section > click on **Configuration**.



On the next page, expand the **Sales** menu on the left and select **Payment methods**.



This way you may review all of the available payment methods on the newly opened page.



For the purpose of this section we will enable the **Braintree** method which would allow you to accept credit/debit cards and PayPal in your Magento store. You may enable it by clicking on the **Configure** button next to it.

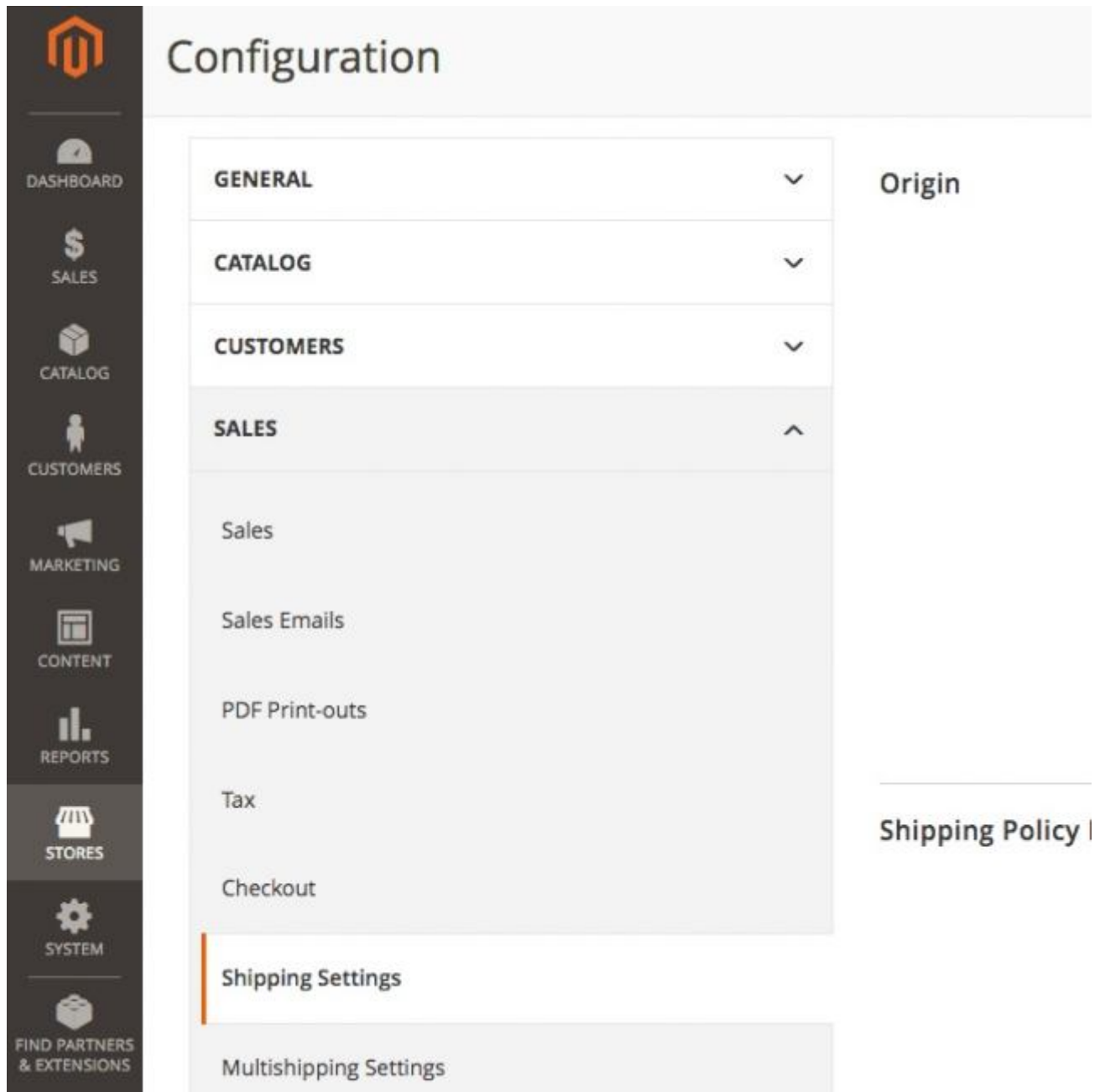
Enter the method's title, setup the environment (Sandbox or Production), define from which countries to accept payments, the range of the accepted payments and other options you want to alter.

In the **Sort order** field you should enter the position of this payment method compared to the other payment methods offered to the customers.

That's it, you have just enabled this payment method for your customers. Since all payment methods have different configurations, we cannot explain in details how to configure each one of them. Simply follow the instructions on their specific pages and they should work.

Task 4:Shipping Method

Before enabling the shipping method you should configure the shipping settings from the **Stores** menu > **Settings** section > click on **Configuration** > expand **Sales** > click on **Shipping settings**.



Expand the **Origin** section. Enter the address from which the shipping will be initiated. Usually this is the address of the warehouse where the products are stored. Afterwards open up the **Multishipping settings** in the **Sales menu** and expand the **Options** section. If enabled, the option **Allow Shipping to Multiple Addresses** allows goods from a single order to be shipped to different addresses. It is useful when a customer orders many products of a single kind, like post cards or pens for example and wants them to be delivered to multiple addresses. You can define the maximum number of allowed shipping addresses in the **Maximum Qty Allowed for Shipping to Multiple Addresses** field.

For example, to enable the USPS shipping module, you can go to **Stores menu > Settings section > click on Configuration > expand Sales > click on Shipping methods** and navigate to the **USPS** section.

Save Config

Flat Rate	⌵
Free Shipping	⌵
Table Rates	⌵
UPS	⌵
USPS	⌵

Enabled for Checkout
(website) Yes *

Gateway URL
(website) http://production.shippingapis.com/ShippingAPI.dll

Secure Gateway URL
(website) https://secure.shippingapis.com/ShippingAPI.dll

Title
(store view) United States Postal Service

User ID
(website)

Password
(website)

Mode
(website) Development *

Packages Request Type
(website) Divide to equal weight (one request) *

Container
(website) Variable *

Size
(website) Regular *

☐ Use system value

☒ Use system value

☒ Use system value

☒ Use system value

☒ Use system value

☒ Use system value

☒ Use system value

☒ Use system value

☒ Use system value

Then set **Enabled for Checkout** to *Yes*. The **Gateway URL** is needed to access USPS shipping rates. The field is preset by default, and normally does not need to be changed. The next step is to enter a **Title** for this shipping method that will appear during checkout. Afterwards Enter the **User ID** and **Password** for your USPS account. You may also adjust the **Container** to the type of packaging usually used to ship products ordered for your store, **Size** of the typical package. etc. In the **Free method** field you may choose the method you want to use for free shipping. You may also select **None**.

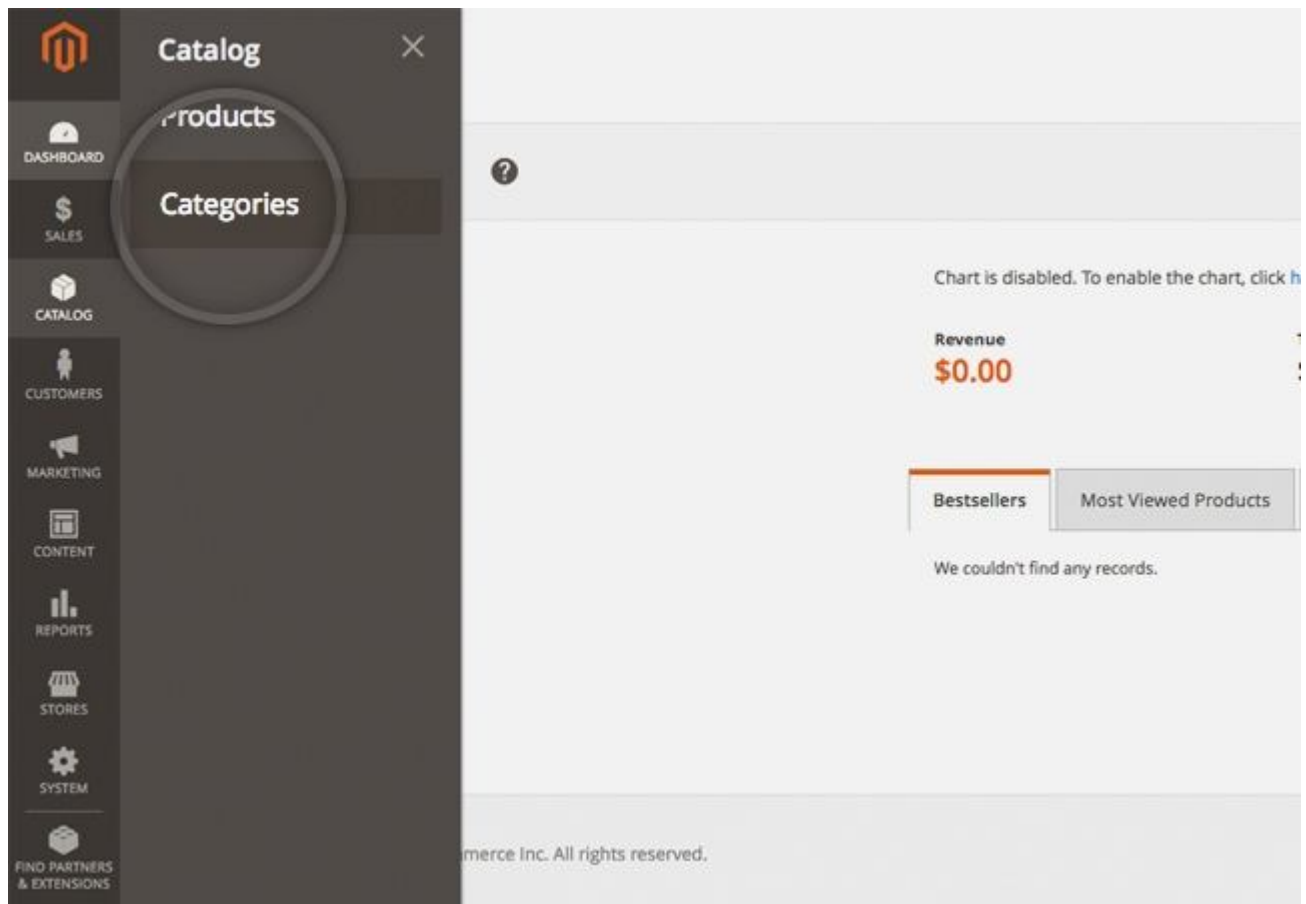
At the end you can define the countries for which the shipping is supported and the default error message in case the service is refused. In the **Sort order** field you should enter the position of this shipping method compared to the other shipping methods offered to the customers.

Task: 5-Catalogue Creation

Import Products in Magento

It is rather inconvenient to manually add a large number of products at once to a Magento installation. Inserting products one by one will take a long time especially when you have hundreds or thousands of products. In such cases you need an automatic way to add all those products to your Magento online store. We will address all steps you need to take in order to achieve a successful import.

First, access your Magento administrator backend and go to **Catalog -> Categories**.



Create all product categories you will need. You can do so by filling the form displayed below:

New Category

Search, Notifications, Admin

Save

Add Root Category
Add Subcategory

Collapse All | Expand All
Second Category (0)
Third Category (0)
Fourth Category (0)

Enable Category ☒ Yes
Include in Menu ☒ Yes
Category Name *

Content
Display Settings
Search Engine Optimization
Products in Category
Design
Schedule Design Update

When you fill the form with all the information you like click the **Save Category** button.

Bear in mind that at this point you should make note of the newly created category IDs. It would be best to save them in a simple text file as you will need them for the import. The category ID will be displayed upon saving the category.

If you plan to have additional attributes for the products you are importing you will need to create those via **Stores** menu > **Product** under the **Attributes** section. You can use this functionality to add all custom attributes that are not present by default in a standard Magento installation. Note also that you can add additional attributes later at the moment you are creating a sample product. It is up to you whether to create the attributes before that or at the point you are creating the first product.

The next step is to manually add a product to your Magento installation. You will later export this product and use it as a template for importing the large batch. Make sure you include all attributes you will use for the products you are going to import in the sample product.

Once you create the new product and save it it will appear in the products list for your Magento store.

Products

Search, Notifications, Admin

Add Product

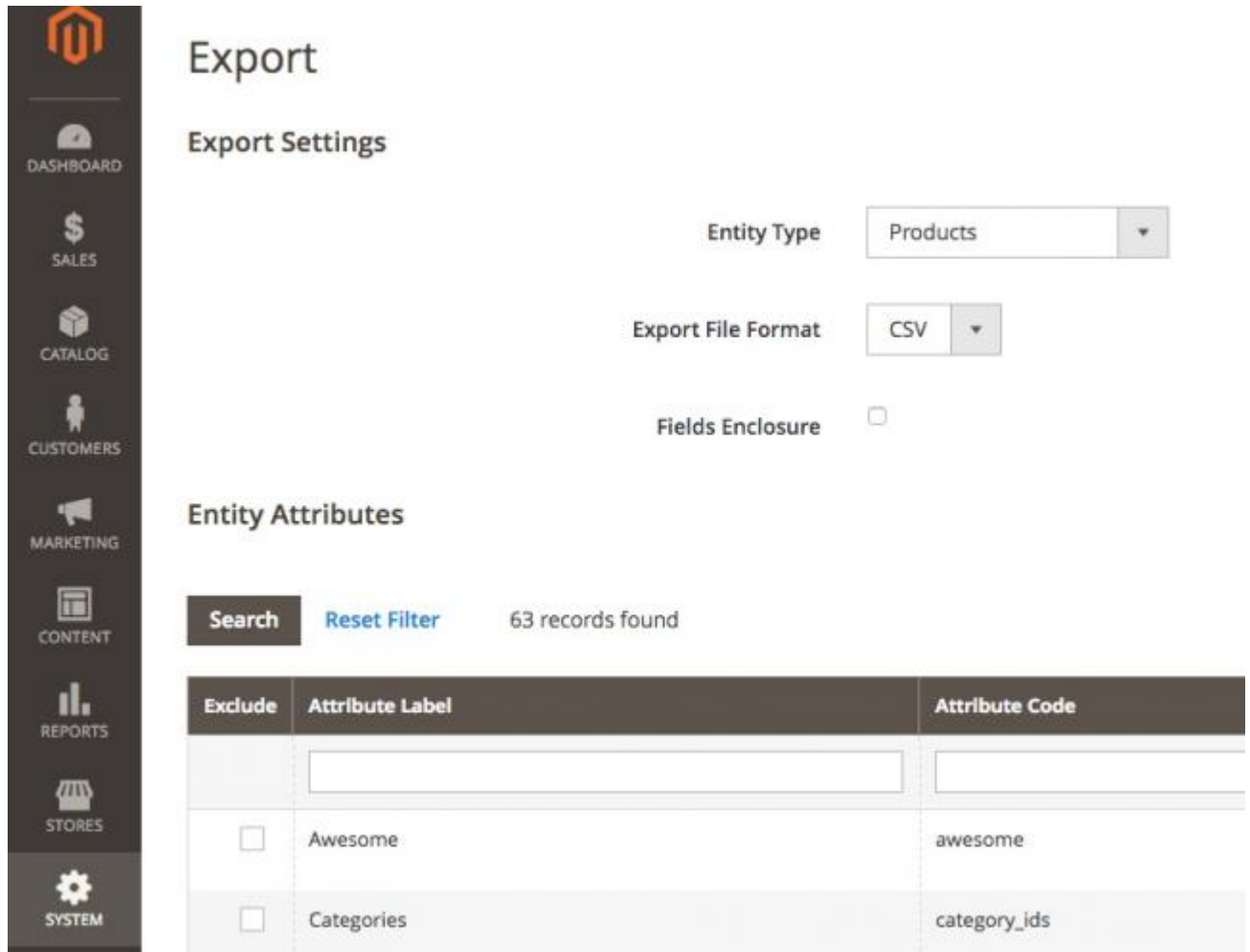
Filters, Default View, Columns

Actions 3 records found 20 per page 1 of 1

ID	Thumbnail	Name	Type	Attribute Set	SKU	Price	Quantity	Visibility	Status	Websites	Action	New Attribute
1		My new product	Simple Product	Default	My new product	\$193.00	0.0000	Catalog Search	Enabled	Main Website	Edit	
2		My other product	Simple Product	Default	My other product	\$130.00	8.0000	Catalog Search	Enabled	Main Website	Edit	
3		One more product	Simple Product	Default	One more product	\$2.00		Catalog Search	Enabled	Main Website	Edit	

You are now ready to make the sample export that you will use as a template. In the Magento administrator area go to **System** menu > **Data transfer** section > **Export**. This would redirect you

to a new page where you should select **Products** from **Entity Type** Dropdown and **CSV** from **Export File Format**.



Export

Export Settings

Entity Type: Products

Export File Format: CSV

Fields Enclosure: ☐

Entity Attributes

Search Reset Filter 63 records found

Exclude	Attribute Label	Attribute Code
<input type="checkbox"/>	Awesome	awesome
<input type="checkbox"/>	Categories	category_ids

Now you should exclude the unnecessary attributes from the list by selecting them and then click on **Continue** from the bottom of the page. This will save a new file on your computer with a name similar to `catalog_product_YYYYMMDD_randomnumber.csv`. The file will include columns for each of the attributes you have defined for your products. Open it in a spreadsheet program (MS Excel, Open Office Spreadsheet) and add the products you would like to import. Make sure you are copy/pasting the corresponding attributes in the correct columns. Also here is when you will have to add the category IDs. Use the IDs from the text file you saved earlier and put the corresponding category ID for the products you are adding.

Once you have accomplished the above go back to the Magento administrator area and go to **System** menu > **Data transfer** section > **Import**. Now select **Products** from the **Entity Type** dropdown. After that select **Products** from Entity Dropdown, and **Add/Update** from **Import Behaviour** dropdown. Now upload the CSV file by clicking on the **Browse** button next to **Select File to Import**. If you have added images, you should also specify the path on the server where you uploaded them. Add the corresponding path to the **Images File Directory** section.

When ready click on the **Check data** button. If there are no issues or error with the import, a *File is valid!* message and **Import** button would appear.

The screenshot shows the Magento Import interface. On the left is a vertical sidebar with icons for SALES, CATALOG, CUSTOMERS, MARKETING, CONTENT, REPORTS, STORES, SYSTEM, and FIND PARTNERS & EXTENSIONS. The main area is titled 'File to Import' and contains the following fields:

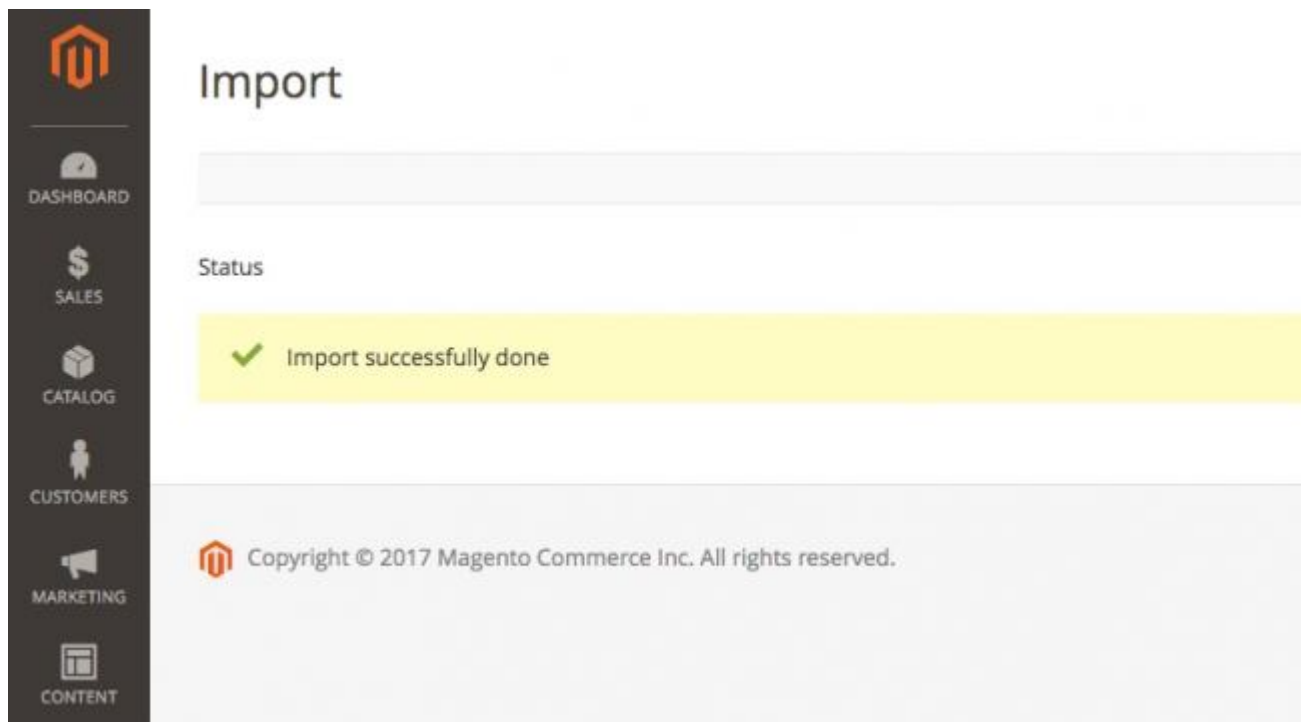
- Allowed Errors Count ***: 10 (with a note: 'Please specify number of errors to halt import process')
- Field separator ***: ,
- Multiple value separator ***: ,
- Fields enclosure**: ☐
- Select File to Import ***: Browse... catalog_product_new.csv
- Images File Directory**: (empty field with a note: 'For Type "Local Server" use relative path to Magento installation, e.g. var/export,')

Below these fields is a 'Validation Results' section with a yellow background. It contains two messages:

- Checked rows: 4, checked entities: 4, invalid rows: 0, total errors: 0**
- File is valid! To start import process press "Import" button**

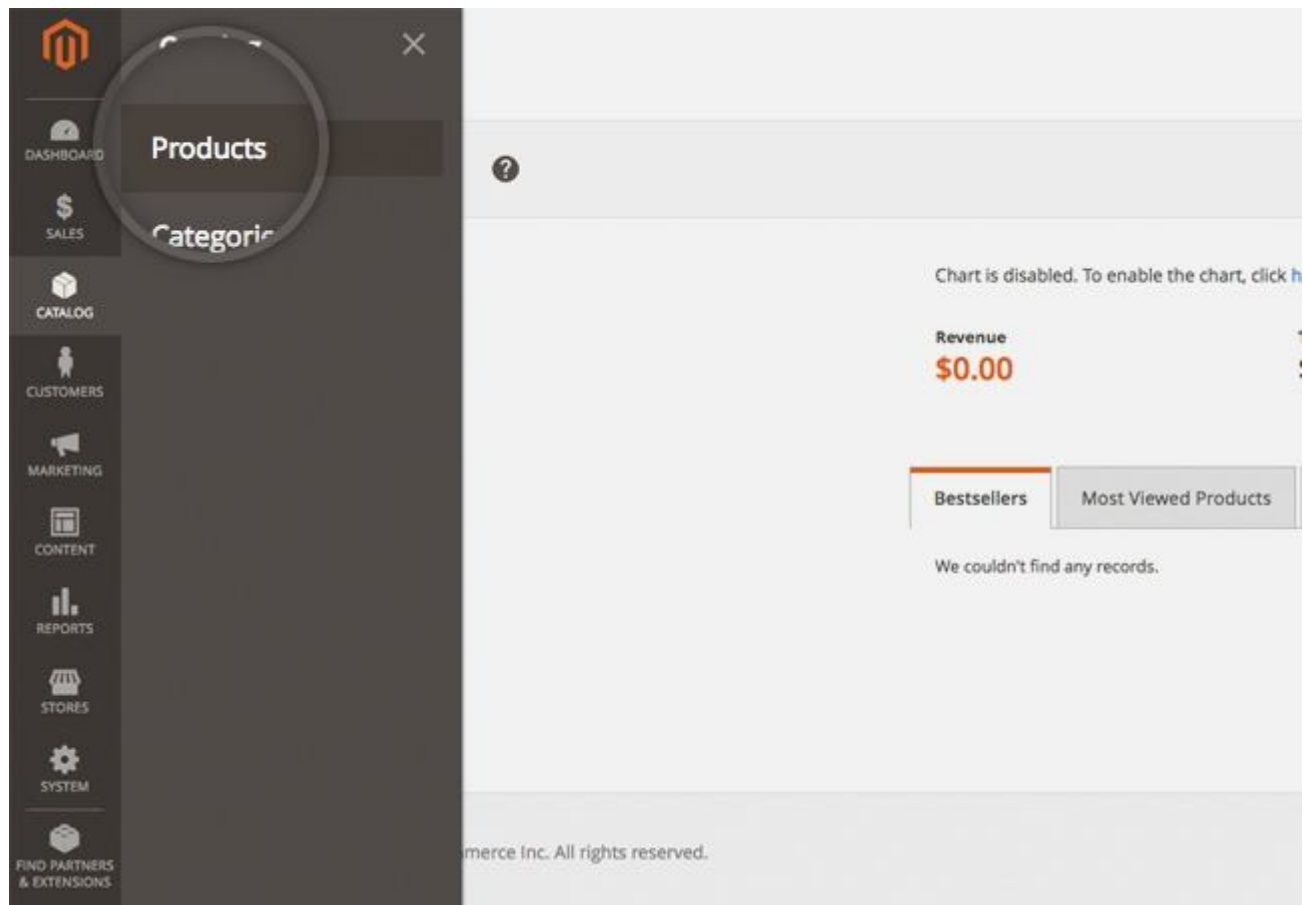
A large, circular 'Import' button is overlaid on the bottom right of the validation message.

To initiate the process click on the **Import** button. When the import completes you will get the *Import successfully done* message.



Task 6: Product Quality

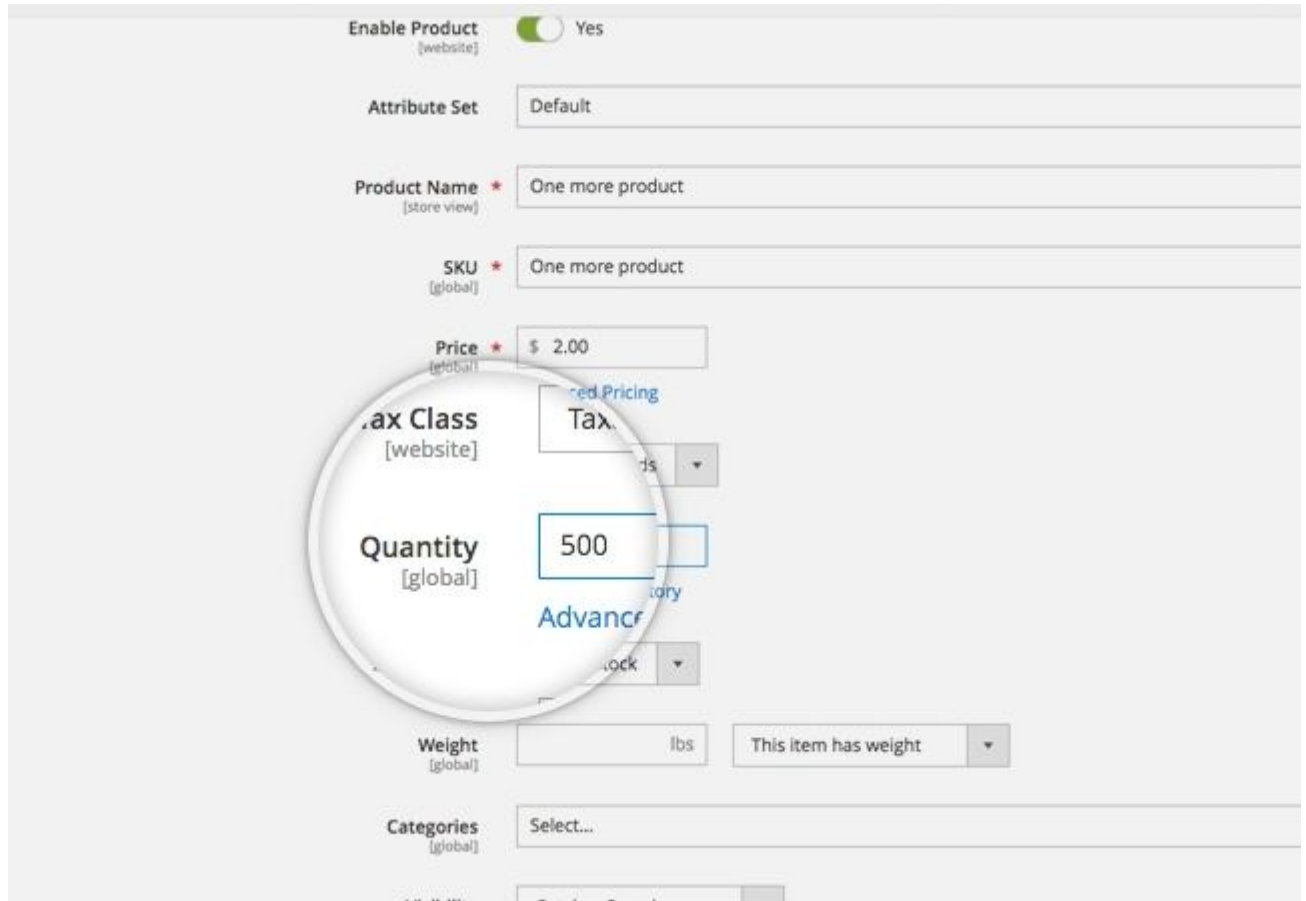
Magento provides you with an easy and yet powerful way to manage your product quantities. To do this, first login you Magento admin area and go to **Catalog -> Products**.



On this page, you will see a list of all of the products you've added to your Magento store. Locate the one you want to edit the quantity for and click on it to edit it.

Actions												
4 records found												
		Thumbnail	Name	Type	Attribute Set	SKU	Price	Quantity	Visibility	Status	Websites	Action
<input type="checkbox"/>	1		My new product	Simple Product	Default	My new product	\$180.00	8,000	Catalog, Search	Enabled	Main Website	Edit
<input type="checkbox"/>	2		My other product	Simple Product	Default	My other product	\$130.00	8,000	Catalog, Search	Enabled	Main Website	Edit
<input type="checkbox"/>	3		One more product	Simple Product	Default	One more product	\$2.00		Catalog, Search	Enabled	Main Website	Edit
<input type="checkbox"/>	4		Product added with CSV import	Simple Product	Default	Product added with CSV import	\$88.00		Catalog, Search	Enabled	Main Website	Edit

Doing so will take you to the page where you can edit every aspect of this product. Scroll down to the **Quantity** section and add the available amount of this product.

A screenshot of the Magento product creation form. The form includes fields for 'Enable Product' (a toggle switch set to 'Yes'), 'Attribute Set' (a dropdown menu set to 'Default'), 'Product Name' (a text field with 'One more product'), 'SKU' (a text field with 'One more product'), 'Price' (a text field with '\$ 2.00'), 'Tax Class' (a dropdown menu), 'Quantity' (a text field with '500'), 'Weight' (a text field with 'lbs'), and 'Categories' (a dropdown menu). A circular callout with a white background and a grey border highlights the 'Quantity' field, which is labeled 'Quantity [global]'.

That's it, you can now track number of products of this type that you have in stock.

Task 7: Category Mnagement

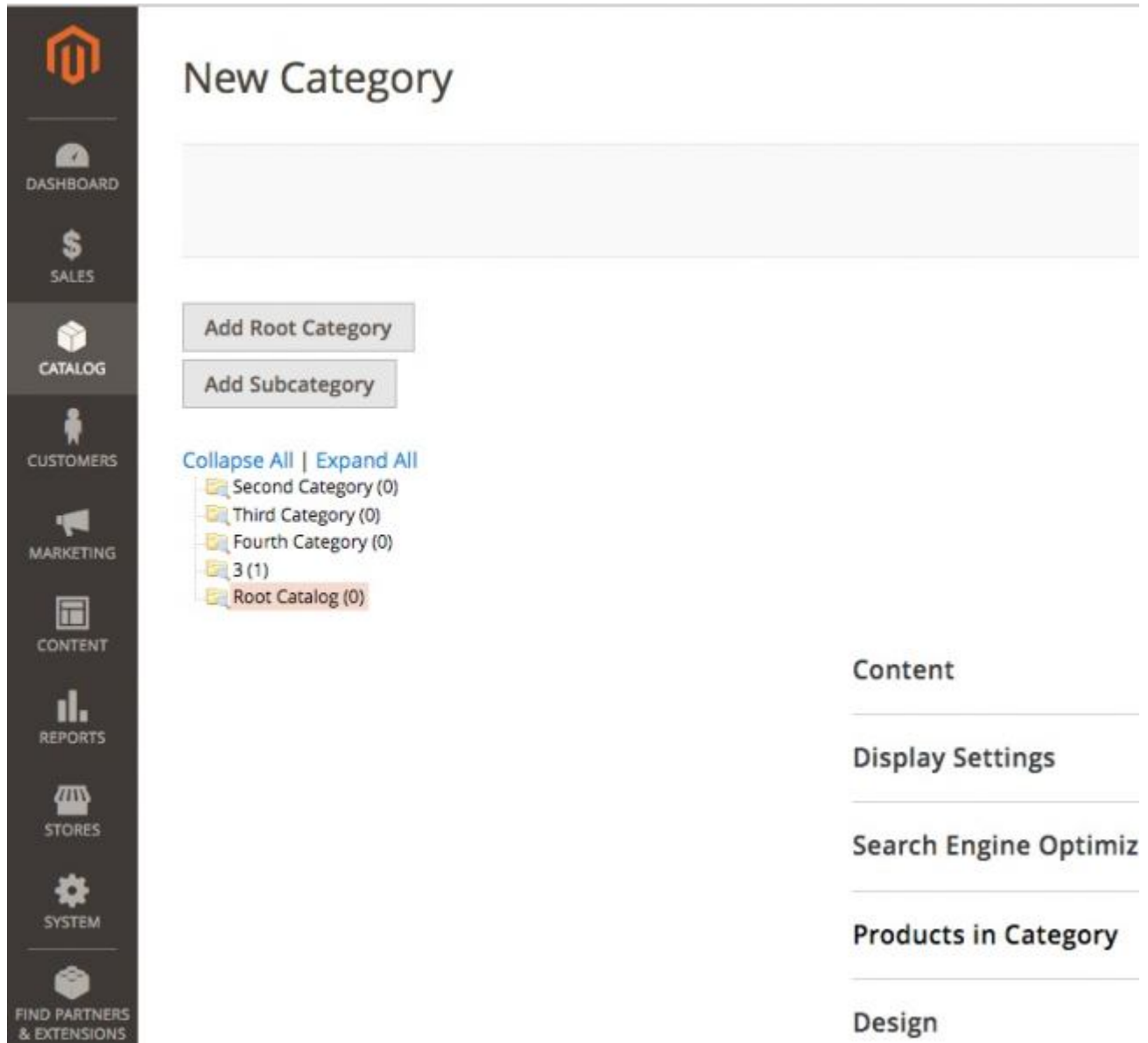
This section covers the following topics:

- [How to create a category in Magento](#)
- [How to add a category image in Magento](#)
- [How to list all available categories in Magento](#)

Magento categories are a useful way to sort and organize your product. In this section, we will show you how to create and manage categories in your Magento store.

How to create a category in Magento

In order to create a new category for your products, go to your Magento admin area > **Catalog > Categories**. On the left you will see the available categories (if any) and above them you will see two options - **Add Root Category** and **Add Subcategory**.



For the purpose of this section we would create a new subcategory by clicking on the **Add subcategory** button. You should fill in its **Name**, and toggle the **Enable Category** and **Include in Menu** buttons to **Yes** to include it in the navigation menu. These are the General Information settings for the category.

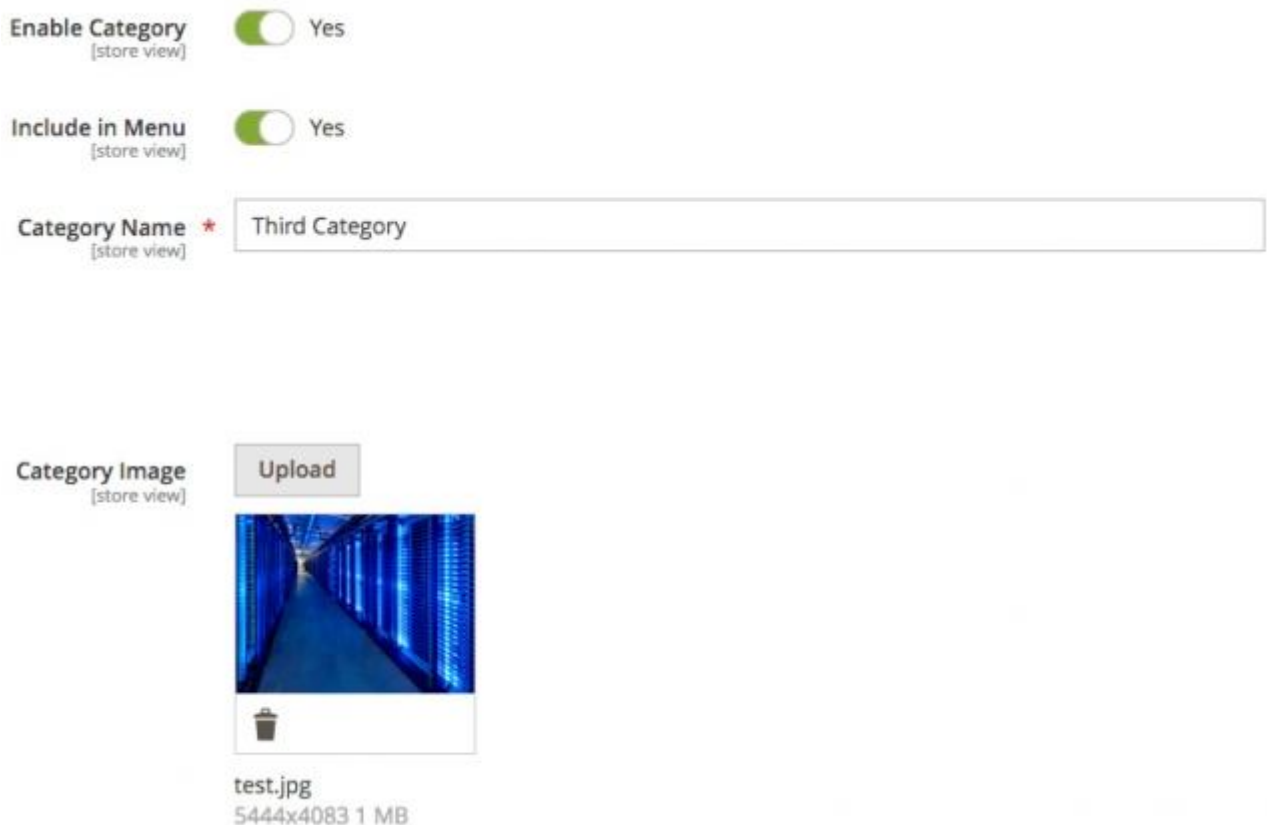
From the other tabs available you can also manage:

- **Content** - here you may add category image, description, Add CMS Block;
- **Display Settings** - here you can set category Display Mode, whether it is Anchor (i.e. whether or not it should inherit the products in its subcategories) and the product listing sorting options;
- **Search Engine Optimization** - in this tab you may choose URL key, which, if set, will be used in the links to this category. This is useful for SEO purposes - when sites are indexed, it is considered a plus to have as many relative keywords as possible in the URL. If the category is called "PC", you may want to set this field to "personal-computers" to include two additional keywords in the link.
- **Category Products** - this tab allows you to add existing products to the category

- **Custom Design** - from this tab you can select the design for this category, as well as its layout;
- **Schedule Design Update** - this tab allows you to schedule the update for a certain time.

How to add a category image in Magento

Adding a Magento category image is simple. From the Magento admin area > **Catalog** > **Categories** select the category which you want to add an image to. Then click the **Content** tab and click on the **Upload** button next to the **Category Image** field.





Enable Category [store view] ☒ Yes

Include in Menu [store view] ☒ Yes

Category Name * [store view]

Category Image [store view]





test.jpg
5444x4083 1 MB

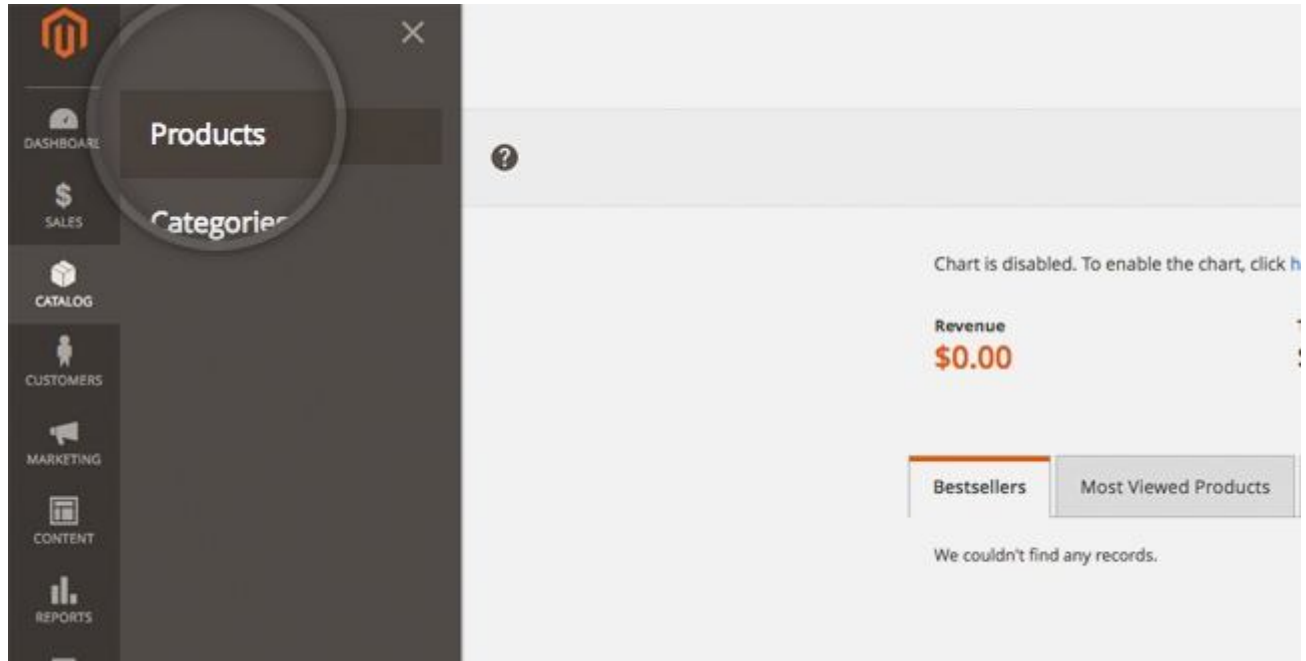
Locate the image you want to set for this category on your computer. The image will appear in the **Category Image** field and you should click **Save** to apply the changes.

How to list all available categories in Magento

If you want to get a list of all available Magento categories, go to your Magento admin area > **Catalog** > **Categories**. From the **Categories** menu on the left click **Expand All** and your whole category tree will be displayed.

Task 8: Product price management

Magento provides you with a lot of options for the prices of your products. You can configure special prices, timed promotions and much more. To start editing your product prices, first login to your Magento admin page and go to **Catalog -> Products**.



Now, locate the product whose price you want to modify and click on it to open up the Edit screen. Then next to the **Price** section you would see **Advanced pricing**.



Click on the **Advanced pricing** link to open up a pop up window where you can set the pricing options.

The screenshot shows the Magento product pricing configuration interface. It includes the following sections:

- Special Price [global]**: A text input field with a dollar sign (\$).
- Special Price From**: A date range selector with two date pickers and a "To" label.
- Cost [global]**: A text input field with a dollar sign (\$).
- Customer Group Price**: A table with columns for Website, Customer Group, Quantity, and Price. An "Add" button is located below the table.

Special Pricing is a discounted price off of the retail price. It is most often used when an item is on sale. Special price can be set up with specific dates ranges so that you don't need to manually update each product when the sale is over. It can be configured via the **Special Price From** menu.

The **Cost** section is used to assign a cost price as well so you can manage profitability a lot easier.

To setup tier pricing, you should use the **Customer Group Price**. If you store has several websites, select the **Website** the tier pricing should be applied for. Select a **Customer Group** that the tier pricing should be applied for as well. In the **Quantity** field, enter the quantity that must be orders to receive the tier price and in the **Price** field, you should enter the price for specific amount of products.

Task -9

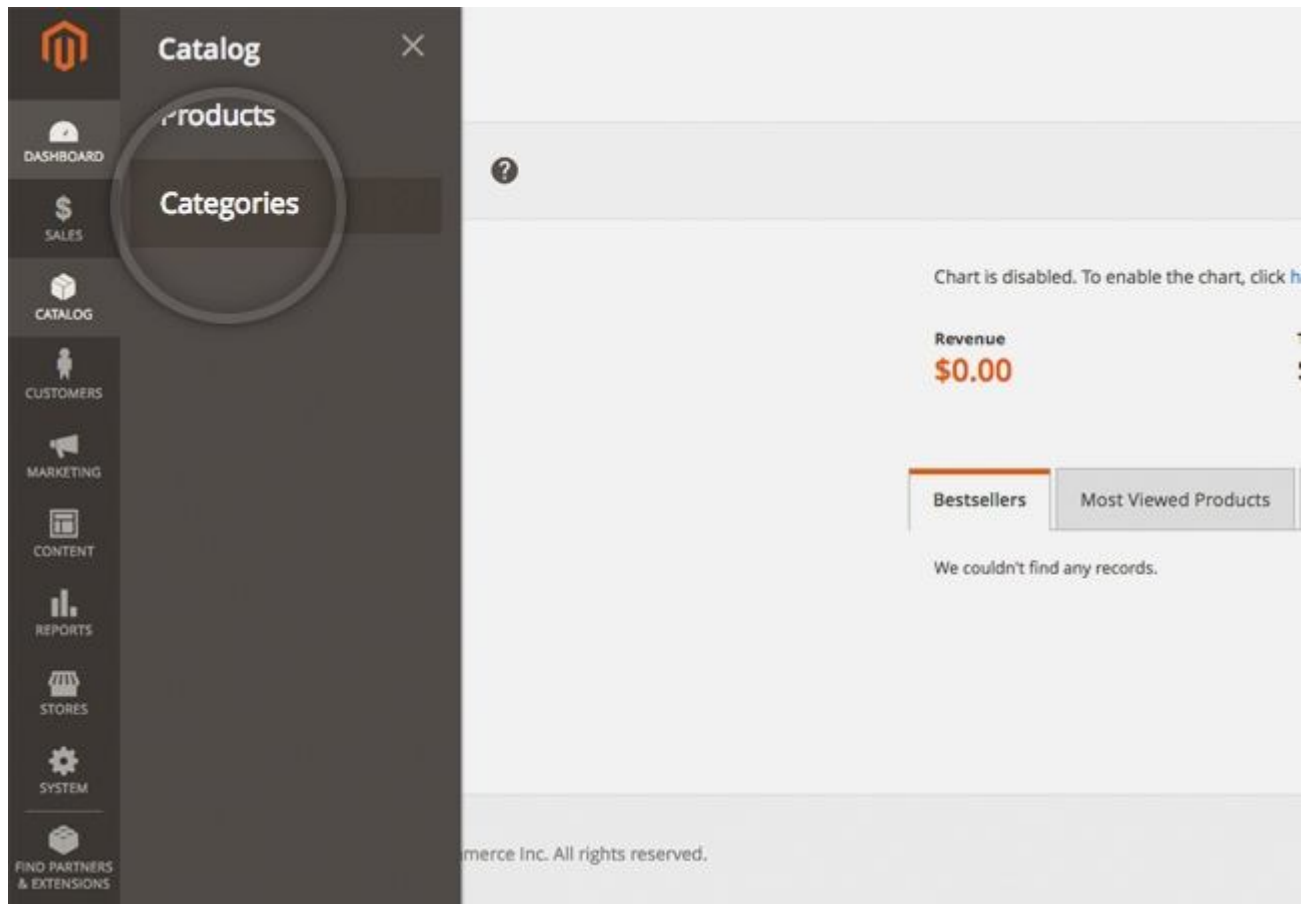
Create 3 products each in 2 categories (Electronics, Travel):

Attach image and give dimension, color, size and SEO keyword

Read and follow the steps below

It is rather inconvenient to manually add a large number of products at once to a Magento installation. Inserting products one by one will take a long time especially when you have hundreds or thousands of products. In such cases you need an automatic way to add all those products to your Magento online store. We will address all steps you need to take in order to achieve a successful import.

First, access your Magento administrator backend and go to **Catalog -> Categories**.



Create all product categories you will need. You can do so by filling the form displayed below:

A screenshot of the 'New Category' form in the Magento Admin. The form has a title 'New Category' at the top left and a 'Save' button at the top right. Below the title are two buttons: 'Add Root Category' and 'Add Subcategory'. To the left of the main form is a tree view showing the category hierarchy: 'Second Category (0)', 'Third Category (0)', and 'Fourth Category (0)'. The main form area contains several sections: 'Enable Category' with a 'Yes' radio button, 'Include in Menu' with a 'Yes' radio button, and a 'Category Name' text input field. Below these are several expandable sections: 'Content', 'Display Settings', 'Search Engine Optimization', 'Products in Category', 'Design', and 'Schedule Design Update'. Each section has a toggle icon on the right.

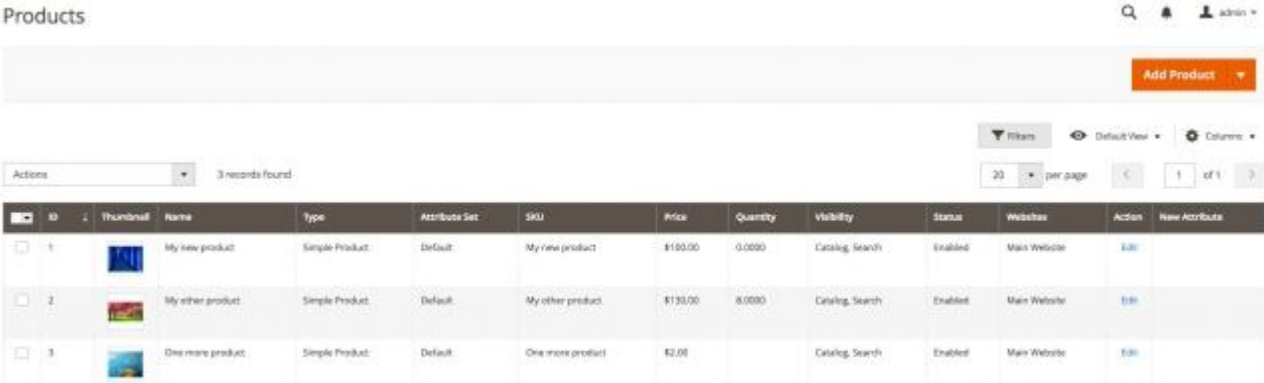
When you fill the form with all the information you like click the **Save Category** button.




Bear in mind that at this point you should make note of the newly created category IDs. It would be best to save them in a simple text file as you will need them for the import. The category ID will be displayed upon saving the category.

If you plan to have additional attributes for the products you are importing you will need to create those via **Stores** menu > **Product** under the **Attributes** section. You can use this functionality to add all custom attributes that are not present by default in a standard Magento installation. Note also that you can add additional attributes later at the moment you are creating a sample product. It is up to you whether to create the attributes before that or at the point you are creating the first product.

The next step is to manually add a product to your Magento installation. You will later export this product and use it as a template for importing the large batch. Make sure you include all attributes you will use for the products you are going to import in the sample product.

Once you create the new product and save it it will appear in the products list for your Magento store.



ID	Thumbnail	Name	Type	Attribute Set	SKU	Price	Quantity	Visibility	Status	Website	Action	New Attribute
1		My new product	Simple Product	Default	My new product	\$100.00	0.0000	Catalog Search	Enabled	Main Website	Edit	
2		My other product	Simple Product	Default	My other product	\$130.00	8.0000	Catalog Search	Enabled	Main Website	Edit	
3		One more product	Simple Product	Default	One more product	\$2.00		Catalog Search	Enabled	Main Website	Edit	

You are now ready to make the sample export that you will use as a template. In the Magento administrator area go to **System** menu > **Data transfer** section > **Export**. This would redirect you to a new page where you should select **Products** from **Entity Type** Dropdown and **CSV** from **Export File Format**.

Export

Export Settings

Entity Type: Products

Export File Format: CSV

Fields Enclosure: ☐

Entity Attributes

Search [Reset Filter](#) 63 records found

Exclude	Attribute Label	Attribute Code
<input type="checkbox"/>	Awesome	awesome
<input type="checkbox"/>	Categories	category_ids

Now you should exclude the unnecessary attributes from the list by selecting them and then click on **Continue** from the bottom of the page. This will save a new file on your computer with a name similar to `catalog_product_YYYYMMDD_randomnumber.csv`. The file will include columns for each of the attributes you have defined for your products. Open it in a spreadsheet program (MS Excel, Open Office Spreadsheet) and add the products you would like to import. Make sure you are copy/pasting the corresponding attributes in the correct columns. Also here is when you will have to add the category IDs. Use the IDs from the text file you saved earlier and put the corresponding category ID for the products you are adding.

Once you have accomplished the above go back to the Magento administrator area and go to **System** menu > **Data transfer** section > **Import**. Now select **Products** from the **Entity Type** dropdown. After that select **Products** from Entity Dropdown, and **Add/Update** from **Import Behaviour** dropdown. Now upload the CSV file by clicking on the **Browse** button next to **Select File to Import**. If you have added images, you should also specify the path on the server where you uploaded them. Add the corresponding path to the **Images File Directory** section.

When ready click on the **Check data** button. If there are no issues or error with the import, a *File is valid!* message and **Import** button would appear.

The screenshot shows the Magento Import tool interface. On the left is a vertical sidebar with icons for SALES, CATALOG, CUSTOMERS, MARKETING, CONTENT, REPORTS, STORES, SYSTEM, and FIND PARTNERS & EXTENSIONS. The main area is titled 'File to Import' and contains the following fields:

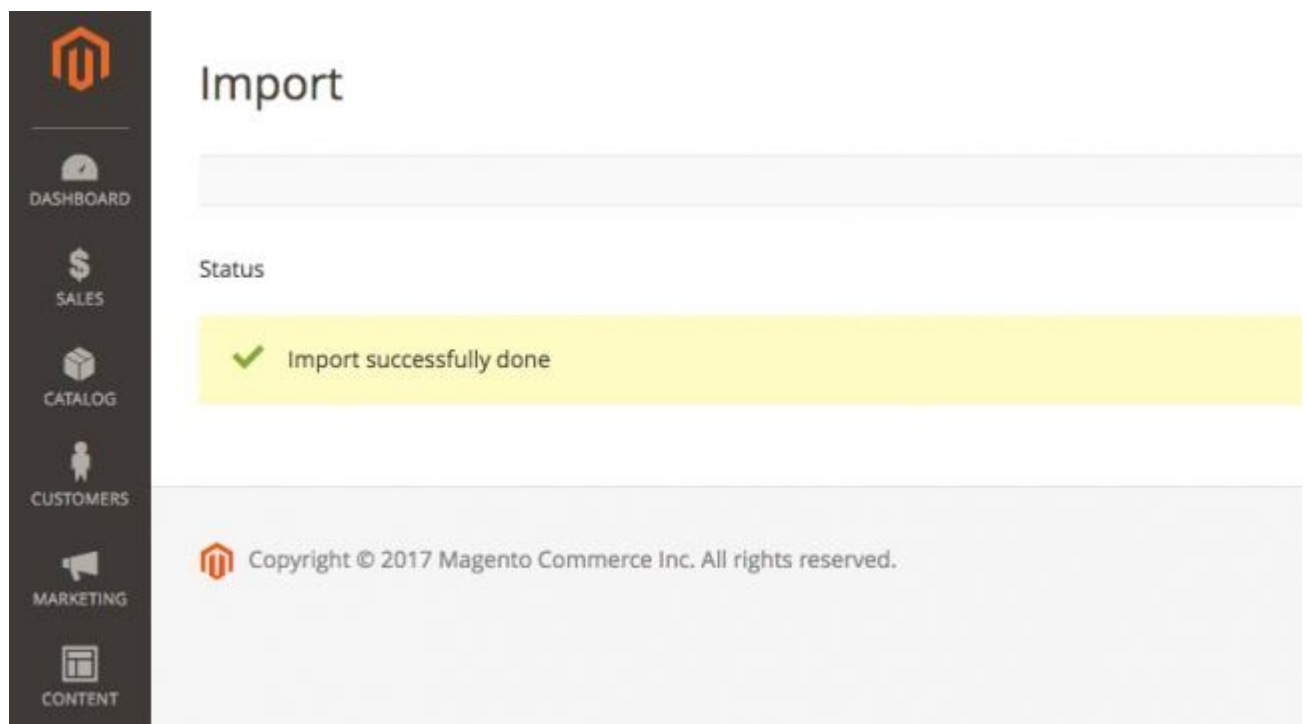
- Allowed Errors Count**: A text input field with the value '10'. Below it is a note: 'Please specify number of errors to halt import process'.
- Field separator**: A text input field with the value ','.
- Multiple value separator**: A text input field with the value ','.
- Fields enclosure**: A checkbox that is currently unchecked.
- Select File to Import**: A button labeled 'Browse...' followed by the text 'catalog_product_new.csv'.
- Images File Directory**: A text input field. Below it is a note: 'For Type "Local Server" use relative path to Magento installation, e.g. var/export,'.

Below the configuration fields is a section titled 'Validation Results' with a yellow background. It contains the following information:

- An information icon (i) followed by the text: 'Checked rows: 4, checked entities: 4, invalid rows: 0, total errors: 0'.
- A checkmark icon (✓) followed by the text: 'File is valid! To start import process press "Import" button'.

A large, circular, 3D-style 'Import' button is overlaid on the bottom right of the validation results section.

To initiate the process click on the **Import** button. When the import completes you will get the *Import successfully done* message.



Task: 10

Transfer Magento content (Backup)

This section covers the following topics:

- [Backup the Magento MySQL Database](#)
- [Transfer all Magento Files](#)
- [Adjust the Magento Configuration](#)
- [Restore the Magento Database](#)

This section provides detailed information on how to completely transfer a Magento store from one host to another. The same instructions apply if you want to move your Magento application from one folder to another.

Backup the Magento MySQL Database

On SiteGround servers you have phpMyAdmin included by default in the cPanel for your account. In other cases you will have to use the same tool or a similar one that is capable of exporting your MySQL database. Detailed information on how to perform a MySQL backup can be found in our [MySQL Section](#).

Alternatively, if you don't have phpMyAdmin installed but you have shell access you can use the **mysqldump** tool. The syntax is as follows:

```
1 mysqldump -h HOST -u USER -p DATABASENAME > FILENAME.sql
```

where:

- **HOST** is the database server hostname or it can be omitted if you are running the MySQL server locally;
- **USER** - a user with full privileges to the Magento database;
- **DATABASENAME** - is the full name of the database which Magento is running;
- **FILENAME** - can be anything you find suitable for the backup file.

Also, if you have Plesk, DirectAdmin or any other web hosting management tool, you can look at the available options. Many panels allow you to dump the database with just a few clicks. For example cPanel does have an option for this.

Transfer all Magento Files

You will need to download all files from your current store and upload them to the new location. This can be a time consuming task considering that a standard Magento installation consists of many files. A good alternative is to archive the files prior to downloading/uploading them if possible.

If you have SSH access you can log on your server -> magento installation directory and archive all the files using the following command:

```
1 tar -czif ARCHIVENAME.tar.gz *
```

This will create a tarball archive of all the files in the directory.

You can then download the archive and easily upload it to the new location. To extract it use the following command in the desired destination folder for the Magento installation:

```
1 tar -xzif ARCHIVENAME.tar.gz
```

Adjust the Magento Configuration

After the files are restored you should alter the configuration file in order to match the new settings. All you need to change here is the database details at the new location. Those are stored in the *app/etc/env.php* file. The lines you need to alter are:

```
1 'host' => 'yourhost',
2 'dbname' => 'your_db',
3 'username' => 'your_user',
4 'password' => 'yourpassword',
```

where:

- **yourhost** should be the database hostname, most commonly - localhost;
- **your_user** is a user that has full privileges to the database;
- **yourpassword** is the password for the database user;
- **your_db** is the complete database name for the database you are going to use with the transferred Magento.

Restore the Magento Database

Once you have adjusted the options above you should restore the database at the new location.

A good practice is to add several options in the MySQL backup file prior to uploading it. The following should be added at the beginning of the SQL file:

```
SET SQL_MODE="NO_AUTO_VALUE_ON_ZERO";SET
1 @OLD_CHARACTER_SET_CLIENT=@@CHARACTER_SET_CLIENT;SET
2 @OLD_CHARACTER_SET_RESULTS=@@CHARACTER_SET_RESULTS;SET
3 @OLD_COLLATION_CONNECTION=@@COLLATION_CONNECTION;SET NAMES
4 utf8;SET
5 @OLD_UNIQUE_CHECKS=@@UNIQUE_CHECKS, UNIQUE_CHECKS=0;SET
6 @OLD_FOREIGN_KEY_CHECKS=@@FOREIGN_KEY_CHECKS,
7 FOREIGN_KEY_CHECKS=0;SET
8 @OLD_SQL_MODE=@@SQL_MODE, SQL_MODE='NO_AUTO_VALUE_ON_ZERO';SET
@OLD_SQL_NOTES=@@SQL_NOTES, SQL_NOTES=0;
```

The next option should be added at the end of the file after all other queries:

```
1 SET SQL_MODE=@OLD_SQL_MODE;SET
2 FOREIGN_KEY_CHECKS=@OLD_FOREIGN_KEY_CHECKS;SET
3 UNIQUE_CHECKS=@OLD_UNIQUE_CHECKS;SET
4 CHARACTER_SET_CLIENT=@OLD_CHARACTER_SET_CLIENT;SET
5 CHARACTER_SET_RESULTS=@OLD_CHARACTER_SET_RESULTS;SET
6 COLLATION_CONNECTION=@OLD_COLLATION_CONNECTION;SET
7 SQL_NOTES=@OLD_SQL_NOTES;
```

You can now import the database using phpMyadmin -> Import or another MySQL tool depending on what kind of access you have to the website.

In case you would like to restore the database via a shell command you can use the following:

```
1 mysql -h HOST -u USER -p DATABASENAME < FILENAME.sql
```

and enter the password for the database user when asked.

Note that if the Magento online store is supposed to work with a different domain name at the new location you should alter the entries for it in the MySQL database.

The table you should edit is **core_config_data** and the values you need to change are in the path column. Change the **web/unsecure/base_url** and **web/secure/base_url** to match the new domain name by altering the value column for both records.

The last step is to clear the Magento cache. You can do this either via the Magento admin panel > **System > Tools > Cache management** or by deleting the contents of the var/cache and var/session folders inside your Magento installation directory.

That is all. Your Magento should now be properly functioning at the new location.

Task 3:

Configure Magento with SSL

The private SSL certificate is an important upgrade to your website. The basic function of an SSL is to encrypt all communication between the browser and the server, ensuring that all data goes through a secure (HTTPS) connection. An SSL certificate is a necessity when you want to operate an online shop and process the sensitive customers data through your software. It helps you gain your clients' trust and increase your web site's search engines rank. You can choose a private SSL from the [SiteGround SSL Certificate page](#).

To configure Magento to work with your SSL certificate, first you need to login to your admin area and go to **Stores -> Configuration**. Then expand the **General** tab and click on the **Web** menu.

The screenshot shows the 'Search Engine Optimization' section expanded to the 'Base URLs' tab. Below the tab is a note: 'Any of the fields allow fully qualified URLs that end with '/' (slash) e.g. http://example.com/magento/'. There are four input fields: 'Base URL' (with a '(store view)' link), 'Base Link URL' (with a '(store view)' link), 'Base URL for Static View Files' (with a '(store view)' link), and 'Base URL for User Media Files' (with a '(store view)' link). Each field has a placeholder text: 'Specify URL or placeholder.', 'May start with placeholder.', 'May be empty or start with placeholder.', and 'May be empty or start with placeholder.' respectively. To the right of the 'Base Link URL' field is a checkbox labeled 'Use system value'. Below this section is the 'Base URLs (Secure)' tab, which also has a note: 'Any of the fields allow fully qualified URLs that end with '/' (slash) e.g. https://example.com/magento/'. It contains two input fields: 'Secure Base URL' (with a '(store view)' link) and 'Secure Base Link URL' (with a '(store view)' link'), both with the same placeholder text as the first section. A 'Use system value' checkbox is also present to the right of the 'Secure Base Link URL' field.

On this page, you will see many options that you can configure. However, focus only on the **Base URLs** and **Base URLs (Secure)** tab. In it, make sure that you've set the **Base URLs**, **Base Link URL**, **Secure Base URL** and **Use Secure Base Link URL** to your domain with HTTPS. Doing this will make your Magento application work with SSL only.

That's it, your Magento store is now configured to work over SSL!

