

# Moodle Connector

[webkul.com/blog/moodle-connector-magento2/](http://webkul.com/blog/moodle-connector-magento2/)

July 27, 2018

Moodle is a learning platform designed to provide educators, administrators, and learners with a single robust, secure and integrated system to create personalized learning environments.

With the help of Moodle Connector, the Moodle courses will be created in the Magento store. The user can purchase the Moodle courses from Magento store. And if the user does not have an account on Moodle then after purchasing the course in Magento store the user account will be created.

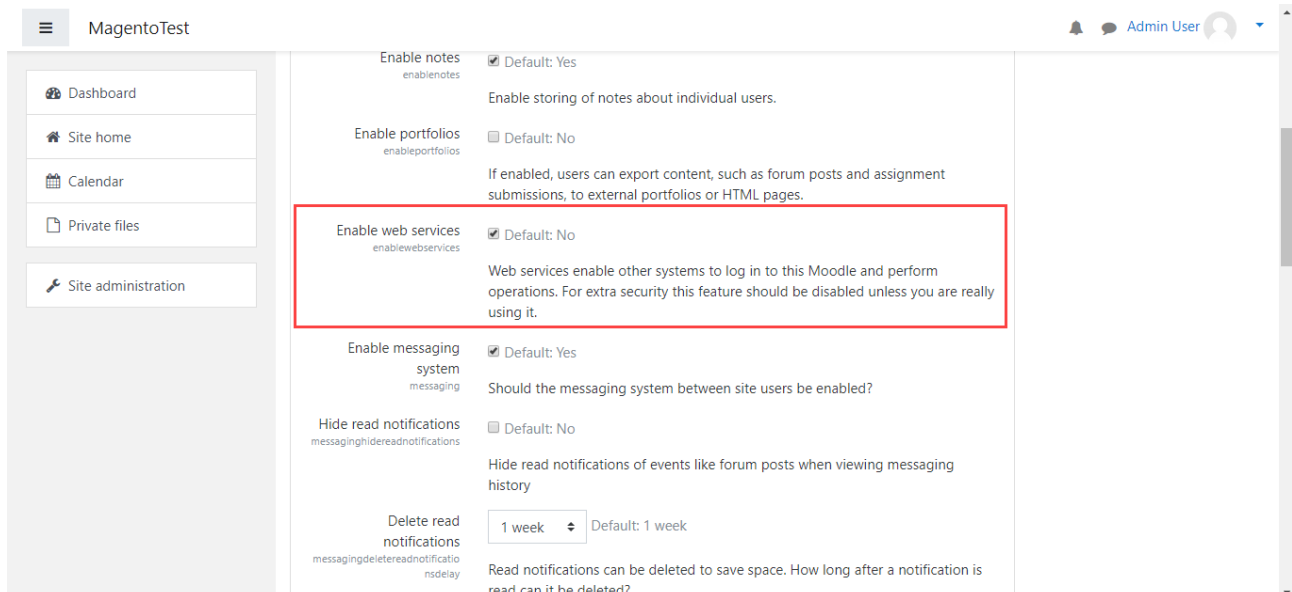
And when the invoice will be generated the user will be enrolled for the purchased course on Moodle as well. The customer will be notified via email for the enrollment in Moodle.

## Features

- Allow admin to synchronize courses from Moodle to the Magento store.
- User account will auto-created on Moodle store if not available.
- User can directly enroll to the courses from the Magento store after purchase.
- Customer will be notified via email for enrollment in the Moodle.
- Admin can map the Moodle category with the Magento category.

## How to Get Moodle Credentials

### Enabling web services:



The screenshot shows the Moodle Admin settings page for 'MagentoTest'. The 'Enable web services' option is highlighted with a red box. The 'Enable web services' checkbox is checked, and the default is set to 'No'. The description states: 'Web services enable other systems to log in to this Moodle and perform operations. For extra security this feature should be disabled unless you are really using it.'

Setting Name	Default	Description
Enable notes (enablenotes)	Default: Yes	Enable storing of notes about individual users.
Enable portfolios (enableportfolios)	Default: No	If enabled, users can export content, such as forum posts and assignment submissions, to external portfolios or HTML pages.
<b>Enable web services (enablewebservices)</b>	<b>Default: No</b>	<b>Web services enable other systems to log in to this Moodle and perform operations. For extra security this feature should be disabled unless you are really using it.</b>
Enable messaging system (messaging)	Default: Yes	Should the messaging system between site users be enabled?
Hide read notifications (messaginghidereadnotifications)	Default: No	Hide read notifications of events like forum posts when viewing messaging history
Delete read notifications (messagingdeletereadnotificationdelay)	1 week (Default: 1 week)	Read notifications can be deleted to save space. How long after a notification is read can it be deleted?

First admin needs to enable web services in Moodle. Follow below steps to enable web services:

1. Navigate to **Site administration > Advanced features**
2. Check **“Enable web services”** then click **“Save Changes”**

## Enabling protocols:

Manage protocols

Active web service protocols

Protocol	Version	Enable	Settings
REST protocol	2018051400	<input checked="" type="checkbox"/>	
SOAP protocol	2018051400	<input checked="" type="checkbox"/>	
XML-RPC protocol	2018051400	<input checked="" type="checkbox"/>	

For security reasons, only protocols that are in use should be enabled.

Web services documentation enablewsdocumentation
 Default: No

Enable auto-generation of web services documentation. A user can access to his own documentation on his security keys page [More details](#). It displays the documentation for the enabled protocols only.

[Save changes](#)

Now admin needs to enable the protocols to create external service

1. Navigate to **Site administration > Plugins > Web services > Manage protocols**
2. Enable the protocols (REST, SOAP, and XML-RPC).
3. Make sure the **Web services documentation** is enabled.

## Creating a service:

MagentoTest

Dashboard / Site administration / Plugins / Web services / External services / External service

Blocks editing on

External service

Name  !

Short name

Enabled

Authorised users only ?

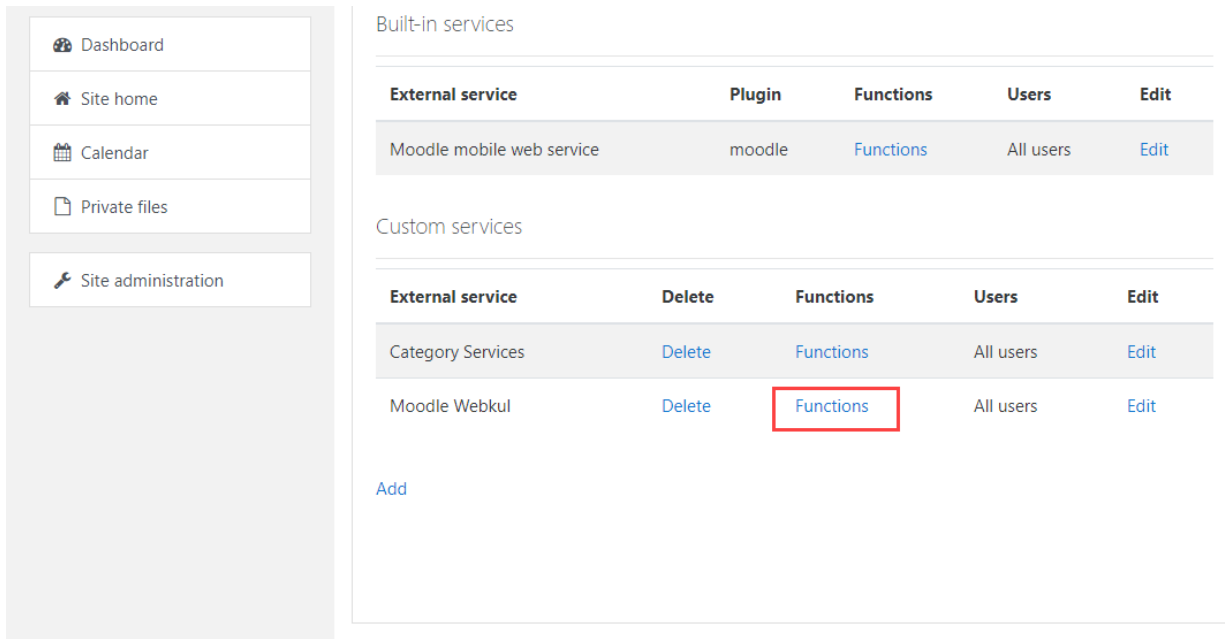
[Show more...](#)

[Add service](#) [Cancel](#)

There are required fields in this form marked !.

1. Navigate to **Site administration > Plugins > Web services > External services**
2. Click **Add** to add new custom service
3. Enter a name and check Enabled
4. Click the button **“Add service”**

## Adding functions to a service:



The screenshot shows the Moodle administration interface. On the left is a sidebar with navigation options: Dashboard, Site home, Calendar, Private files, and Site administration. The main content area is titled 'Built-in services' and contains a table with columns: External service, Plugin, Functions, Users, and Edit. The first row lists 'Moodle mobile web service' with plugin 'moodle', 'Functions' link, 'All users', and 'Edit' link. Below this is a section for 'Custom services' with columns: External service, Delete, Functions, Users, and Edit. The first row is 'Category Services' with 'Delete', 'Functions', 'All users', and 'Edit' links. The second row is 'Moodle Webkul' with 'Delete', 'Functions' (highlighted with a red box), 'All users', and 'Edit' links. An 'Add' link is at the bottom left of the custom services section.

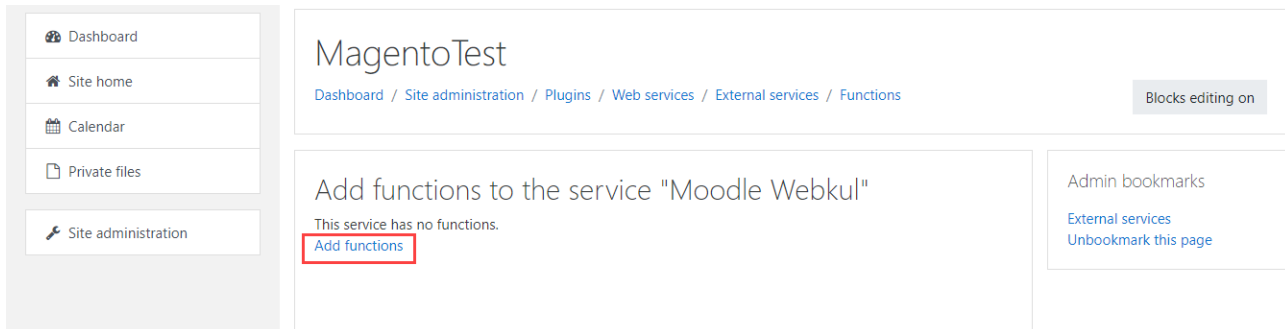
External service	Plugin	Functions	Users	Edit
Moodle mobile web service	moodle	<a href="#">Functions</a>	All users	<a href="#">Edit</a>

External service	Delete	Functions	Users	Edit
Category Services	<a href="#">Delete</a>	<a href="#">Functions</a>	All users	<a href="#">Edit</a>
Moodle Webkul	<a href="#">Delete</a>	<a href="#">Functions</a>	All users	<a href="#">Edit</a>

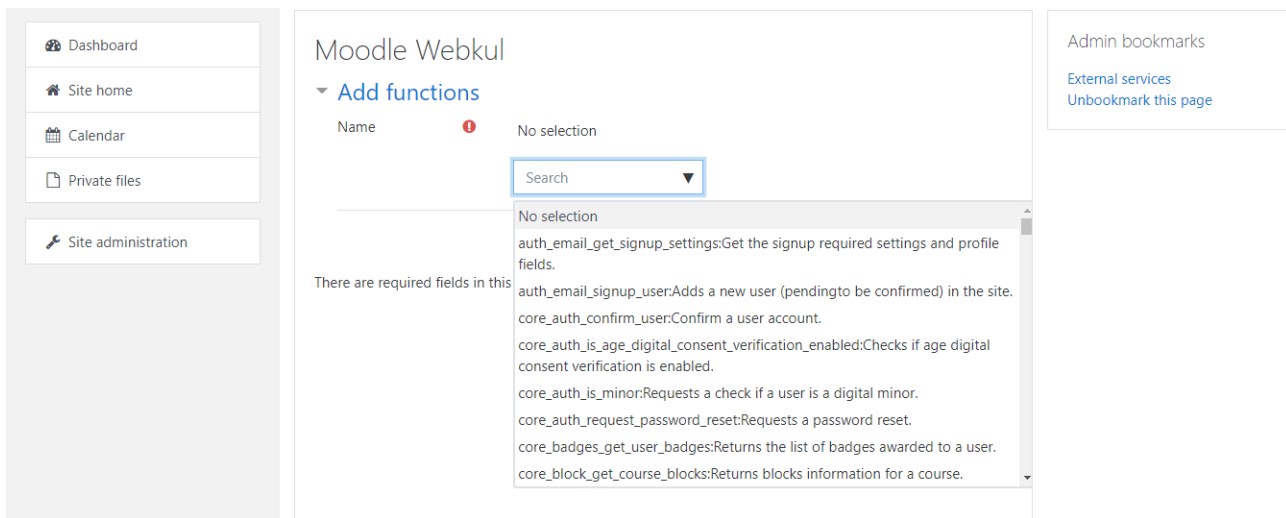
After service creation, we need to add the required functions to the service which are required for Moodle Connector.

1. Navigate to **Site administration > Plugins > Web services > External services**
2. Click **Functions** to add functions



The screenshot shows the 'Add functions to the service' page in Moodle. The breadcrumb trail is 'Dashboard / Site administration / Plugins / Web services / External services / Functions'. The page title is 'Add functions to the service "Moodle Webkul"'. Below the title, it says 'This service has no functions.' and there is a red box around the 'Add functions' link. On the right side, there is an 'Admin bookmarks' section with links for 'External services' and 'Unbookmark this page'. A 'Blocks editing on' button is visible in the top right corner.

After clicking **Functions** a new page will be open. Here click on **Add functions** to add functions to this service.

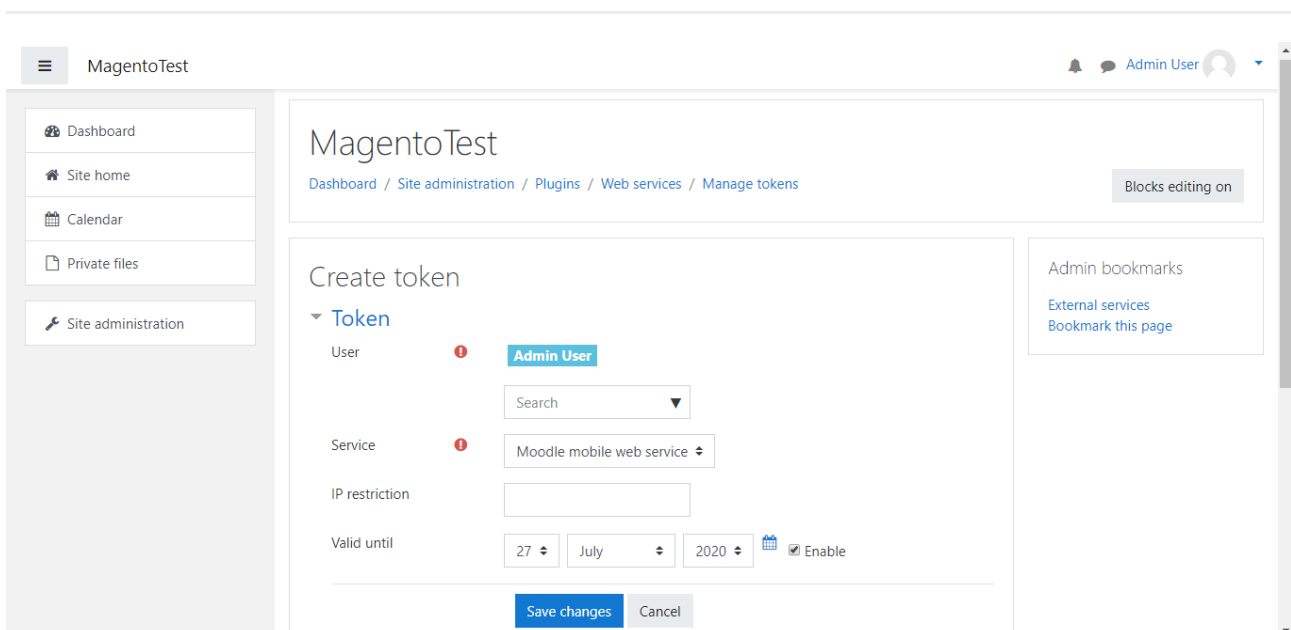


After clicking **Add functions** on a new page select the required functions. Below is the list of functions which we need to select from this list.

1. core\_enrol\_get\_course\_enrolment\_methods
2. core\_enrol\_get\_enrolled\_users\_with\_capability
3. core\_user\_get\_users
4. core\_user\_create\_users
5. enrol\_manual\_enrol\_users

After selecting all the required functions from above list click **Add functions** to add the selected functions to the list.

## Creating a token:



1. Navigate to **Site Administration > Plugins > Web services > Manage tokens**
2. Click on **Add**

3. Select the created user and service
4. Click on **Save changes**

Here you need to repeat this process two times. As first you need to create token for default **Moodle mobile web service**. And after that, you need to create the token for custom created service.

## Manage tokens

Any token can be deleted, though you can only view tokens that you created.

Token	First name / Surname	Service	IP restriction	Valid until	Creator	Oper
XXXXXXXXXXXXXXXXXXXX	Admin User	Moodle mobile web service			Admin User	Delet
XXXXXXXXXXXXXXXXXXXX	Admin User	Category Services			Admin User	Delet
XXXXXXXXXXXXXXXXXXXX	Admin User	Moodle Webkul			Admin User	Delet

After the token creation, you can use them in the module configuration.

## Moodle Configuration

After successful installation of the module the admin can configure it under “**Store > Configuration > Moodle Connector**”.

**WEBKUL** ^

- Event Manager
- Google Plus
- Quote System
- Ajax Contact Form
- Affiliate System
- SalesforceIQ Connector
- Webkul Size Chart
- One Step Checkout
- Moodle Connector**
- Advanced Seo Manager
- Progressive Web Application
- Salesforce Connector
- Facebook Wall Post
- Product Question Answer
- Helpdesk
- Webkul Blog
- Show Price After Login

**GENERAL** v

**CATALOG** v

**CUSTOMERS** v

**SALES** v

**DOTMAILER** v

**ADVANCED** v

### Connect Settings



**Moodle Base Url** [global]

Enter Moodle Website Base Url

**Access Token** [global]

Access token to access api

**User Token** [global]

User token to create and enroll user

**Check Api Status**

Check Api status

### Product Settings



**Attribute Set ID** [website]

Select Attributes set to Import Moodle Courses

**Website ID** [website]

Select Websites to Import Moodle Courses

**Moodle Role Id** [website]

Enter Moodle Role Id for courses enrollment like:- 5 (Student role id) etc

**Default Price** [website]

Set the default price for paid courses

### Manage Moodle Email Setting



**Email notification for moodle** [store view]

**Email Template Account Create on Moodle** [store view]

**Email Template User Enroll for Course** [store view]

## Connect Settings:

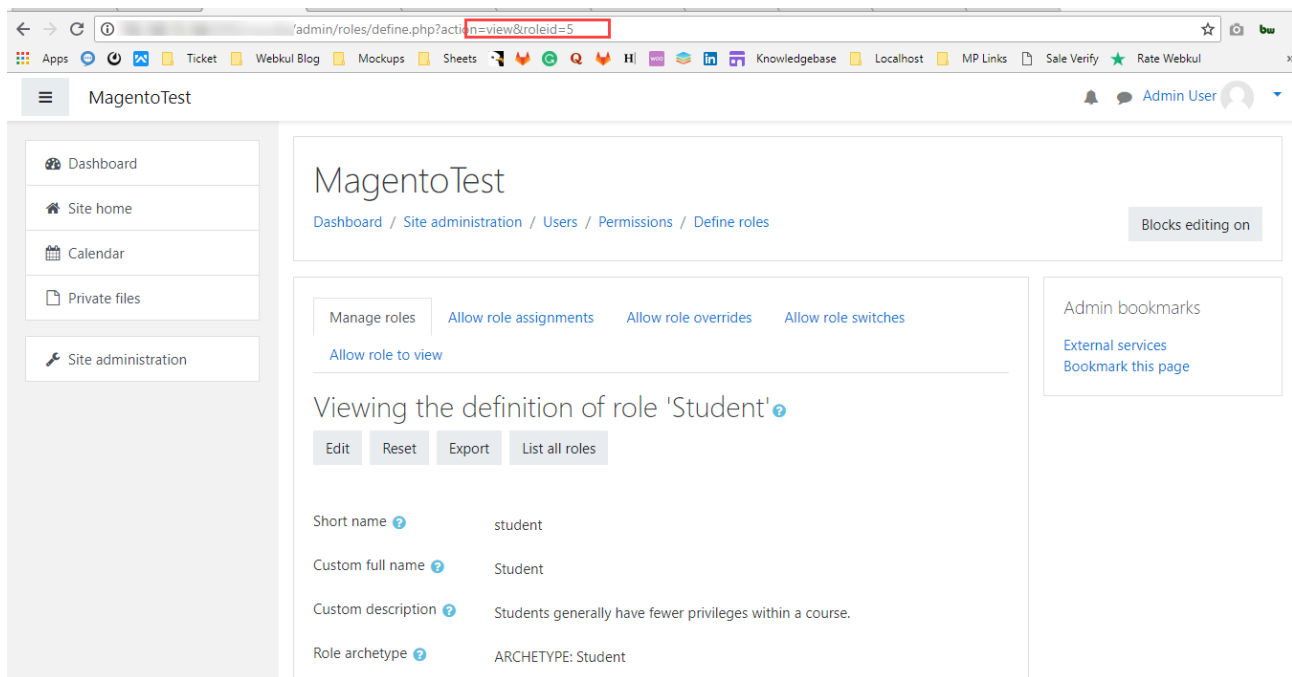
- **Moodle Base Url** – Here admin will enter the base URL of the Moodle.
- **Access Token** – Here enter the default token of Moodle mobile web service.
- **User Token** – Here enter the user token created for custom service.
- **Check API Status** – Here admin check the API status.

## Product Settings:

- **Attribute Set ID** – Select the respective attribute set id for the Moodle courses(Magento products).
- **Website ID** – Select the website where the courses(Magento products) will be created.
- **Moodle Role Id** – Enter role id for which you want to create the enrolment in Moodle after purchasing the course in Magento Store.

**Note: You can get the Moodle Role id of the user from Moodle.**

Navigate to **Site administration > Users > Permissions > Define roles** select a role and from the URL you can get the role id. As in the below image, the role id for Student is 5.



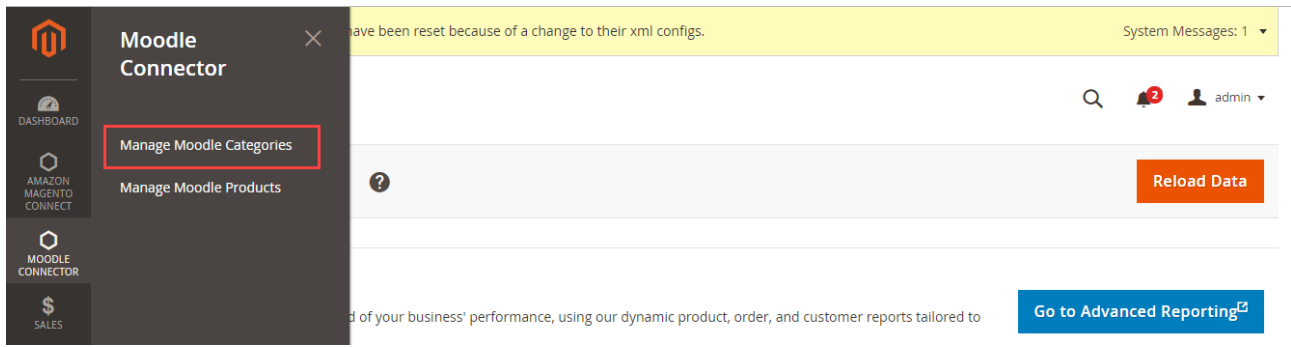
**Default price** – Enter the default price for the courses (Magento products) which will be assigned to the course when it will be created in Magento. Later on, the admin can update it as per the requirement.

## Manage Moodle Email Setting:

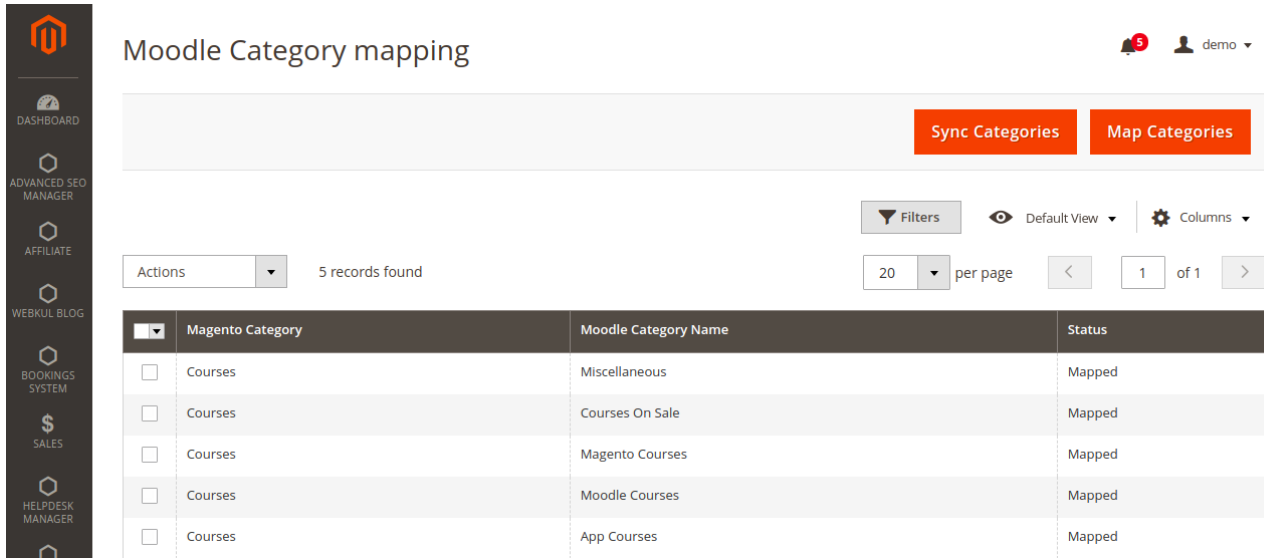
- **Email notification for moodle** – Select “Yes” to enable email notification for Moodle.
- **Email Template Account Create on Moodle** – Select email template for account creation in Moodle.
- **Email Template User Enroll for Course** – Select email template for user enrollement in Moodle.

## Manage Moodle Categories

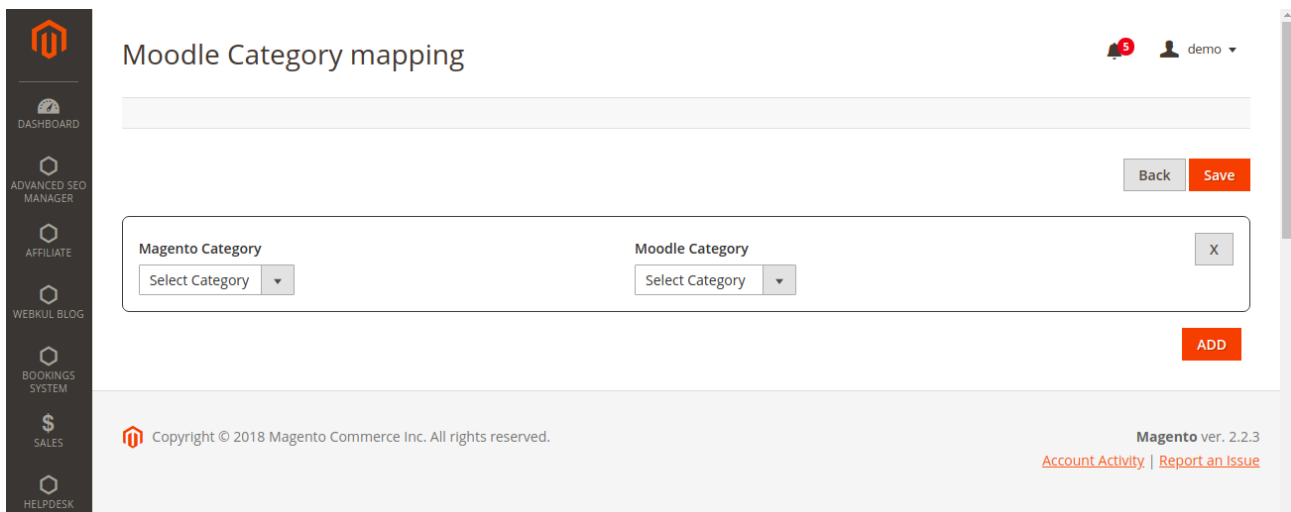
After successful configuration of the module, the admin can map Moodle categories by navigating to **MOODLE CONNECTOR > Manage Moodle Categories**.



Here, by clicking **Sync Categories** all the categories of the Moodle will be synchronized in the Magento.



After successful synchronization of all the categories, the status of the categories will be "Mapping Required". To map Moodle categories with the Magento categories click on **Map Categories**.



By clicking **ADD** the option to map categories will be available. Here, the admin can choose the Magento category and its respective Moodle category from the drop-down. After by clicking **Save** the categories will be mapped and displayed as below image.



Moodle Category mapping

Sync Categories Map Categories

✓ Your Categories are synced

✓ Your Categories are Mapped

Filters Default View Columns

Actions 6 records found 20 per page 1 of 1

<input type="checkbox"/>	Magento Category	Moodle Category Name	Status
<input type="checkbox"/>	Courses	WooCommerce Courses	Mapped
<input type="checkbox"/>	Courses	Opencart Courses	Mapped
<input type="checkbox"/>		Miscellaneous	Mapping Required
<input type="checkbox"/>	Courses	Magento Courses	Mapped
<input type="checkbox"/>		How to create mobile app	Mapping Required
<input type="checkbox"/>		Courses on sale	Mapping Required

## Manage Moodle Products

The admin can manage the Moodle products under **MOODLE CONNECTOR > Manage Moodle Product**.

Moodle Connector

Manage Moodle Categories

Manage Moodle Products

have been reset because of a change to their xml configs. System Messages: 1

Reload Data

On this page, by clicking **Update Courses** the Moodle courses will be fetched from the Moodle to the Magento store.

Moodle Products

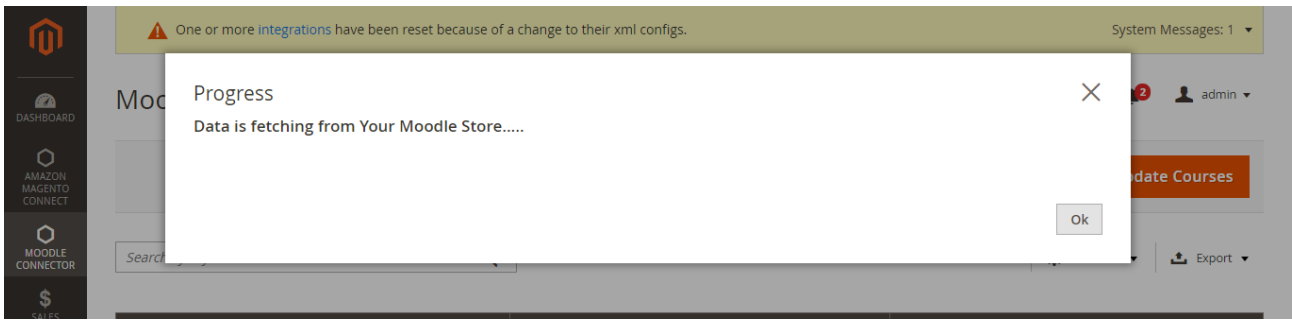
Update Courses

Search by keyword

Default View Columns Export

Magento Product Id	Product Name	Moodle Product Id
2465	MagentoTest	1
2466	moodle Course 135	5

The courses fetch status will be displayed as per the below image.



After successful fetching, the Moodle courses will be displayed in Magento as per the below image.

Magento Product Id	Product Name	Moodle Product Id
2465	<a href="#">MagentoTest</a>	1
2466	<a href="#">moodle Course 135</a>	5
2467	<a href="#">moodle Course 113</a>	2
2468	<a href="#">moodle Course 155</a>	6
2469	<a href="#">moodle Course 134</a>	4
2470	<a href="#">moodle Course 114</a>	3
2471	<a href="#">moodle Course 156</a>	7

## Front-end Workflow

On the Magento store, the course will be displayed as per the below image. Now the user can purchase a course from the Magento Store.



Opencart Admin Configuration

## Opencart Admin Configuration

Be the first to review this product

**\$25.00**

IN STOCK

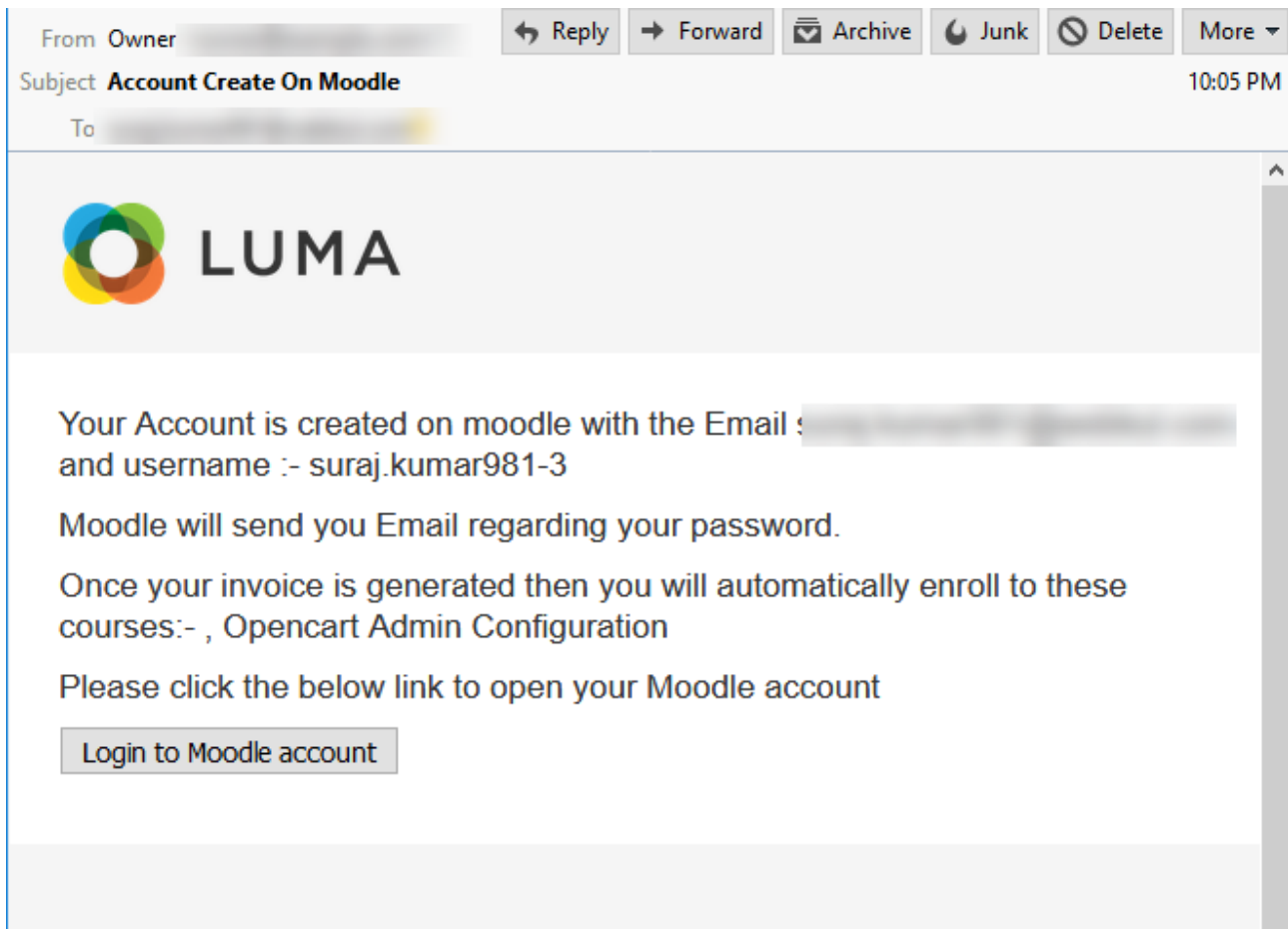
SKU#: moodlecourse116\_11

Qty

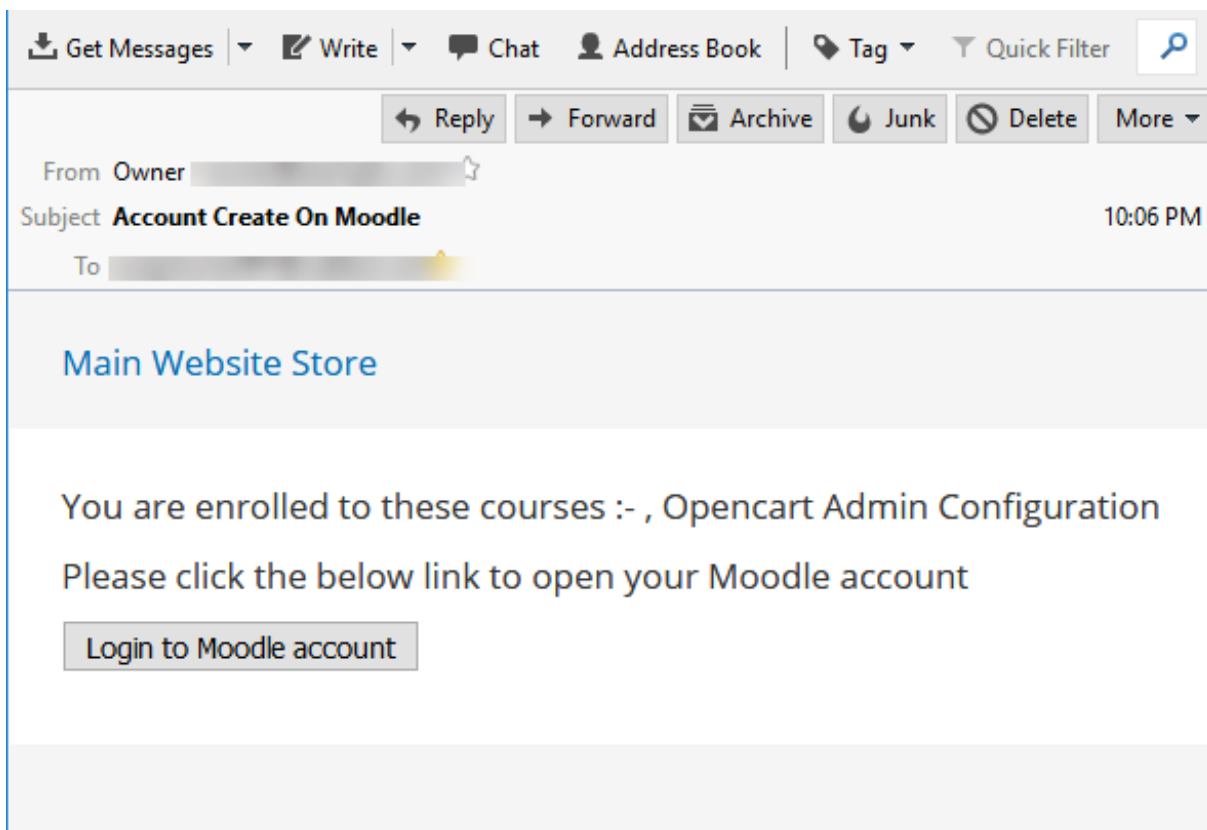
[Add to Cart](#)[ADD TO WISH LIST](#) [ADD TO COMPARE](#) [EMAIL](#)[Details](#)[Reviews](#)

MOODL COURSE WEBKUL WEBKUL 116

After placing the order the account will be created for the customer over Moodle if the account is not available on Moodle with the email id used to purchase the course. Customer will be notified for account creation by email as per the below image.



When the invoice of the purchase is generated in Magento store the user will be enrolled on Moodle for the purchased course. And notified via email as per the below image.



Ater login on Moodle the user can find the purchased course as below image.

The screenshot displays the Moodle user interface for a user named Suraj Kumar. At the top, there is a navigation bar with a hamburger menu icon, the text 'MagentoTest', and a user profile icon with the name 'Suraj Kumar'. Below this is a header section with a large profile picture placeholder and the name 'Suraj Kumar', along with a 'Customise this page' button. The main content area is divided into a central course overview and several side panels. The course overview shows a 'Course overview' section with 'Timeline' and 'Courses' tabs. Under 'Timeline', there are buttons for 'In progress', 'Future', and 'Past'. A course card is visible with a blue geometric pattern header, a graduation cap icon, the title 'Opencart Admin Configuration', and the course ID 'MOODL COURSE WEBKUL WEBKUL 116'. Below the card is a pagination control showing '< 1 >'. The side panels include: 'Private files' (No files available, Manage private files...), 'Online users' (1 online user (last 5 minutes), Suraj Kumar), 'Latest badges' (You have no badges to display), and 'Calendar' (July 2018). The calendar shows a grid for the month of July 2018.

Mon	Tue	Wed	Thu	Fri	Sat	Sun
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

That's all for the **Moodle Connector** if you still have any issue feel free to add a ticket and let us know your views to make the module better <http://webkul.uvdesk.com/>