

# Set up Kaltura LMS Video integration for Moodle 3.x

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 This article is designated for administrators.

## About

This document details the steps required to install the Kaltura Video integration for **Moodle version 3.x**.



Moodle 3.x supports the Kaltura LMS Video integration using either LTI 1.1 or LTI 1.3.

## Before you start

Make sure the following is already in place:

- A Kaltura account with:
  - a Partner ID (PID)
  - an Admin secret (required for LTI 1.1 only)
- A KAF (Kaltura Application Framework) instance URL, e.g.,  
<https://12345.kaf.kaltura.com>
- Moodle version **3.x**
- Access to the [KAF Configuration Management console](#)

## Install the Kaltura Video plugin for Moodle

Installing the **Kaltura Video plugin** is required before configuration. This step does not affect active Moodle users and can be completed anytime in advance.

When you install the Kaltura Video plugin, the following features become available in Moodle:

- My Media (personal media library)
- Media Gallery (course media repository)
- Kaltura Media Assignment
- Kaltura Video Resource
- Kaltura Media embedding in text editors

## To install the plugin:

1. Download the latest Kaltura Video Plugin to your Moodle root directory from [here](#).
2. Unzip the downloaded package and when prompted to choose an extraction location, select the Moodle root directory (the folder that contains the admin, mod, and local folders).
3. Browse to the Moodle home screen and click **Continue** to begin installation.

Installation - Moodle 2.6.2 (Build: 20140310)

Moodle 2.6.2 (Build: 20140310)

For information about this version of Moodle, please see the online [Release Notes](#)

Server checks

Name	Information	Report	Status
php_extension	xmpipc	(i) should be installed and enabled for best results The xmpipc extension is needed for hub communication, and useful for web services and Moodle networking.	Green
php_setting	opcache enable	(i) PHP setting should be changed PHP opcode caching improves performance and lowers memory requirements. OPcache extension is recommended and fully supported.	Green
unicode		(i) must be installed and enabled: version 5.1.3 is required and you are running 5.5.16	Green
database	mysql	(i) version 5.3.3 is required and you are running 5.5.8	Green
php		(i) should be installed and enabled for best results	Green
php_exunzip		(i) must be installed and enabled	Green
php_extension	iconv	(i) must be installed and enabled for best results	Green
php_extension	mbstring	(i) must be installed and enabled	Green
php_extension	curl	(i) must be installed and enabled	Green
php_extension	openssl	(i) should be installed and enabled for best results	Green
php_extension	tokenizer	(i) should be installed and enabled for best results	Green
php_extension	soap	(i) should be installed and enabled for best results	Green
php_extension	dom	(i) should be installed and enabled for best results	Green
php_extension	zip	(i) must be installed and enabled	Green
php_extension	zlib	(i) should be installed and enabled for best results	Green
php_extension	gd	(i) must be installed and enabled	Green
php_extension	xmlreader	(i) must be installed and enabled	Green
php_extension	xmlwriter	(i) must be installed and enabled	Green
php_extension	sqlite	(i) must be installed and enabled	Green
php_extension	pcre	(i) must be installed and enabled	Green
php_extension	dom	(i) must be installed and enabled	Green
php_extension	xml	(i) must be installed and enabled	Green
php_extension	curl	(i) should be installed and enabled for best results	Green
php_extension	gd	(i) must be installed and enabled	Green
php_setting	memory_limit	(i) recommended setting detected	Green
php_setting	safe_mode	(i) recommended setting detected	Green
php_setting	file_uploads	(i) recommended setting detected	Green

Your server environment meets all minimum requirements.

[\[Continue\]](#)

Installation is processed. When finished, the **Continue** button displays.

Success

tinymce\_moodleimage

Success

tinymce\_moodlemedia

Success

tinymce\_moodlenolink

Success

tinymce\_pdw

Success

tinymce\_spellchecker

Success

tinymce\_wrap

Success

local\_kaltura

Success

local\_kulturamediagallery

Success

local\_nymedia

Success

[\[Continue\]](#)

4. Complete setup fields as prompted and click **Continue**.



#### Installation

The screenshot shows the 'New settings - Front page settings' and 'New settings - Manage authentication' sections of the Moodle Site administration. In the 'Front page settings' section, the 'Full site name' is set to 'Moodle (KAF)' and the 'Short name for site (single word)' is set to 'Moodle (KAF)'. The 'Front page summary' editor is visible. In the 'Manage authentication' section, the 'Self registration' dropdown is set to 'Disable'. A note states: 'If an authentication plugin, such as email-based self-registration, is selected, then it enables potential users to register themselves and create accounts. This results in the possibility of spammers creating accounts in order to use forum posts, blog entries etc. for spam. To avoid this risk, self-registration should be disabled or limited by Allowed email domains setting.' A 'Save changes' button is at the bottom.

## 5. Click **Save changes**.

## Configure the Kaltura-Moodle connection and features

After installing the Kaltura Video plugin, complete the following configuration steps to connect Kaltura to Moodle and enable features.

### Step 1: Configure the Kaltura connection in Moodle

1. In Moodle, go to **Site administration**.
2. Use the search field to locate **Kaltura package libraries**.

The screenshot shows the Moodle Site administration interface. The search bar at the top right contains 'kaltura package'. The 'Search results' section shows a single result: 'Kaltura package libraries'. The URL 'Administration / Plugins / Local plugins / Kaltura package libraries' is visible below the result. The top navigation bar includes 'New Site', 'Home', 'Dashboard', 'My courses', 'Site administration', and 'Edit mode'.

3. Click to open the 'Kaltura package libraries' page.

The KAF configuration page displays.

4. Configure the following required settings:

- **KAF URI:** Format is [Instance ID]-<your KAF URL> (e.g., 12345-kaf.domain.com)



Do not include an ending "/".

- **Server URI:** Typically [www.kaltura.com](http://www.kaltura.com) (for most use cases, this should not need to



change)

- **Partner ID** - Enter your PID (Kaltura Partner ID). You can find this value on the 'Integrations' page in the KMC (Kaltura Management Console). For information, see [Account information in KMC](#).
- **Admin secret** - This field displays if you are using **LTI 1.1**. Enter the admin secret from the 'Integrations' page in the KMC. For information, see [Account information in KMC](#).
- **Enable trace logging:** Checked

## 5. Click **Save changes**.

When finished, the Kaltura Package Libraries page should look similar to the following:

### Kaltura package libraries

KAF configuration

<http://1688742-4.kaf.kaltura.com/admin>

KAF URI local_kaltura   kaf_uri	<input type="text" value="1688742-4.kaf.kaltura.com"/> Default: Empty
Server URI local_kaltura   uri	<input type="text" value="www.kaltura.com"/> Default: www.kaltura.com
Partner id local_kaltura   partner_id	<input type="text" value="1688742"/> Default: Empty
Admin secret local_kaltura   adminsecret	<input type="text" value="REDACTED"/> Default: Empty
Enable trace logging local_kaltura   enable_logging	<input checked="" type="checkbox"/> Default: No If enabled, all requests and responses to and from Kaltura are logged. These logs can be used by Kaltura support to diagnose any problems encountered. Enabling this setting may affect Moodle performance. You may download a CSV file of the logs from <a href="#">here</a> .

**Save changes**

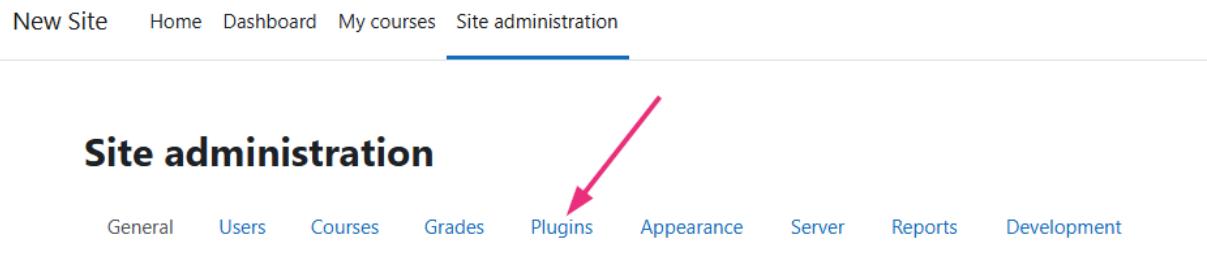
## Step 2: Configure Kaltura features and access

After installing the integration, configure Kaltura features and user access based on how you plan to use Kaltura in Moodle.

## Enable the Kaltura media filter

The Kaltura Media filter enables embedded Kaltura media to display correctly in rich-text areas.

1. Go to your Moodle **Site administration** and select **Plugins**.

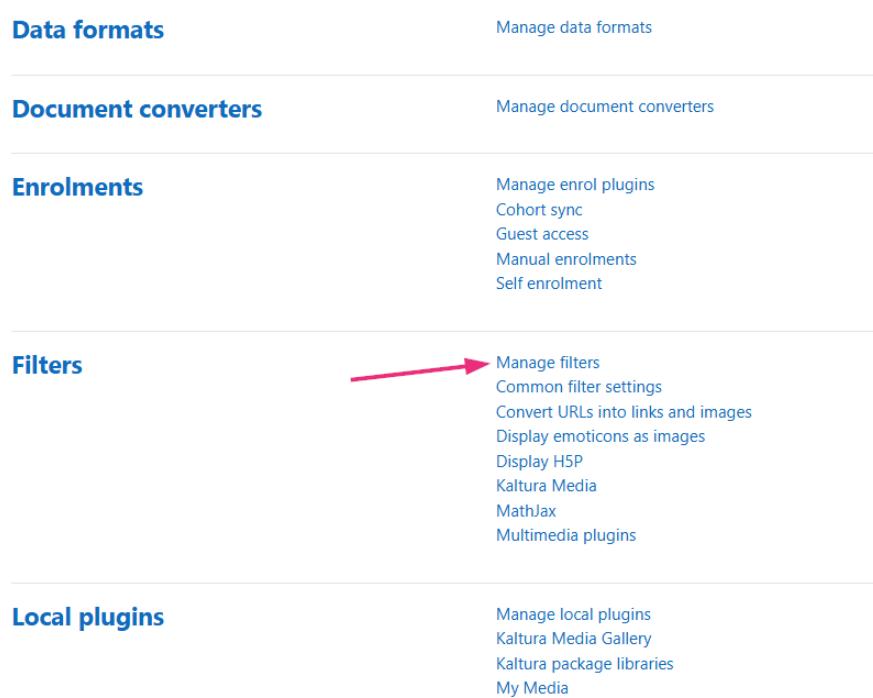


New Site Home Dashboard My courses Site administration

## Site administration

General Users Courses Grades Plugins Appearance Server Reports Development

2. Scroll down the page to the **Filters** section and select **Manage filters**.



<b>Data formats</b>	<a href="#">Manage data formats</a>
<b>Document converters</b>	<a href="#">Manage document converters</a>
<b>Enrolments</b>	<a href="#">Manage enrol plugins</a> <a href="#">Cohort sync</a> <a href="#">Guest access</a> <a href="#">Manual enrolments</a> <a href="#">Self enrolment</a>
<b>Filters</b>	<a href="#">Manage filters</a> <a href="#">Common filter settings</a> <a href="#">Convert URLs into links and images</a> <a href="#">Display emoticons as images</a> <a href="#">Display H5P</a> <a href="#">Kaltura Media</a> <a href="#">MathJax</a> <a href="#">Multimedia plugins</a>
<b>Local plugins</b>	<a href="#">Manage local plugins</a> <a href="#">Kaltura Media Gallery</a> <a href="#">Kaltura package libraries</a> <a href="#">My Media</a>

The Manage filters page opens.

3. Locate **Kaltura Media** in the list.

### Manage filters

Filter	Active?	Order	Apply to	Settings	Uninstall
Display HSP	On	↓	Content	Settings	Uninstall
Activity names auto-linking	On	↑ ↓	Content		Uninstall
MathJax	On	↑ ↓	Content	Settings	Uninstall
Display emoticons as images	On	↑ ↓	Content	Settings	Uninstall
Convert URLs into links and images	On	↑ ↓	Content	Settings	Uninstall
Multimedia plugins	On	↑	Content	Settings	Uninstall
Algebra notation	Disabled		Content		Uninstall
Code highlighter	Disabled		Content		Uninstall
Database auto-linking	Disabled		Content		Uninstall
Email protection	Disabled		Content		Uninstall
Glossary auto-linking	Disabled		Content		Uninstall
Kaltura Media	Disabled		Content	Settings	Uninstall

#### 4. Enable the **Kaltura Media** filter and click the **Settings** link.

### Manage filters

Filter	Active?	Order	Apply to	Settings	Uninstall
Display HSP	On	↓	Content	Settings	Uninstall
Activity names auto-linking	On	↑ ↓	Content		Uninstall
MathJax	On	↑ ↓	Content	Settings	Uninstall
Display emoticons as images	On	↑ ↓	Content	Settings	Uninstall
Convert URLs into links and images	On	↑ ↓	Content	Settings	Uninstall
Multimedia plugins	On	↑ ↓	Content	Settings	Uninstall
Kaltura Media	On	↑	Content	Settings	Uninstall

The Kaltura Media page displays.

### Kaltura Media

Embed Kaltura Video Links  Default: Yes

Convert Kaltura video links to embed code

Alternate KAF URIs  Default: Empty

Enter alternate KAF URIs to filter, one per line

**Save changes**

#### 5. In the Kaltura Media settings, make sure **Embed Kaltura Video Links** is selected.



## Kaltura Media

Embed Kaltura Video Links  Default: Yes

Convert Kaltura video links to embed code

Alternate KAF URIs  
filter\_kaltura\_uris

Default: Empty

Enter alternate KAF URIs to filter, one per line

**Save changes**

### 6. Click **Save changes**.

Add the Kaltura embed button to Atto text editor

#### 1. Go to your Moodle **Site administration** and select **Plugins**.

New Site   Home   Dashboard   My courses   Site administration

---

## Site administration

General   Users   Courses   Grades   **Plugins**   Appearance   Server   Reports   Development



#### 2. On the 'Plugins' page, scroll down to the **Text editors** section and select **Atto HTML editor**.

<b>Search</b>	Manage global search Search areas Solr
<b>SMS</b>	Manage SMS gateways
<b>Text editors</b>	<a href="#">Manage editors</a>  <b>Atto HTML editor</b> <a href="#">Atto toolbar settings</a> <a href="#">Collapse toolbar settings</a> <a href="#">Equation editor settings</a> <a href="#">RecordRTC</a> <a href="#">Table settings</a> <a href="#">TinyMCE editor</a> <a href="#">General settings</a> <a href="#">Equation editor settings</a> <a href="#">TinyMCE Premium</a> <a href="#">RecordRTC</a>

The 'Atto HTML editor' page displays.

### 3. Click **Atto toolbar settings**.

<b>Category: Atto HTML editor</b>					
<a href="#">Atto toolbar settings</a> 					
<b>Atto plugins</b>					
Name	Version	Toolbar config	Settings	Uninstall	
Accessibility checker	2024100700	accessibilitychecker	<a href="#">Uninstall</a>		
Screenreader helper	2024100700	accessibilityhelper	<a href="#">Uninstall</a>		
Text align	2024100700	align	<a href="#">Uninstall</a>		

The 'Atto toolbar settings' page displays.

<b>Atto toolbar settings</b>					
<b>Atto plugins</b>					
Name	Version	Toolbar config	Settings	Uninstall	
Accessibility checker	2024100700	accessibilitychecker	<a href="#">Uninstall</a>		
Screenreader helper	2024100700	accessibilityhelper	<a href="#">Uninstall</a>		
Text align	2024100700	align	<a href="#">Uninstall</a>		
Background colour	2024100700	backcolor	<a href="#">Uninstall</a>		
Bold	2024100700	bold	<a href="#">Uninstall</a>		
Insert character	2024100700	charmap	<a href="#">Uninstall</a>		
Clear formatting	2024100700	clear	<a href="#">Uninstall</a>		
Show/hide advanced buttons	2024100700	collapse	<a href="#">Settings</a>	<a href="#">Uninstall</a>	

4. Scroll down the page to the **Toolbar config** section.
5. In the Toolbar config field, locate the line that starts with *files =*.
6. Add **kulturamedia** to the end of the list, separated by a comma.

Undo/Redo	2024100700	undo	Uninstall
Unordered list	2024100700	unorderedlist	Uninstall

Changes in table above are saved automatically.

Toolbar config  
editor\_atto | toolbar

```

collapse = collapse
style1 = title, bold, italic
list = unorderedlist, orderedlist, indent
links = link
files = emojipicker, image, media, recordrtc, managefiles, h5p
accessibility = accessibilitychecker, accessibilityhelper
style2 = underline, strike, subscript, superscript
align = align
Default:
collapse = collapse
style1 = title, bold, italic
list = unorderedlist, orderedlist, indent
links = link
files = emojipicker, image, media, recordrtc, managefiles, h5p
accessibility = accessibilitychecker, accessibilityhelper
style2 = underline, strike, subscript, superscript
align = align
insert = equation, charmap, table, clear
undo = undo
other = html

```

The list of plugins and the order they are displayed can be configured here. The configuration consists of groups (one per line) followed by the ordered list of plugins for that group. The group is separated from the plugins with an equals sign and the plugins are separated with commas. The group names must be unique and should indicate what the buttons have in common. Button and group names should not be repeated and may only contain alphanumeric characters.

## 7. Click **Save changes** at the bottom of the page.

The Kaltura embed button now appears in the Atto editor toolbar.



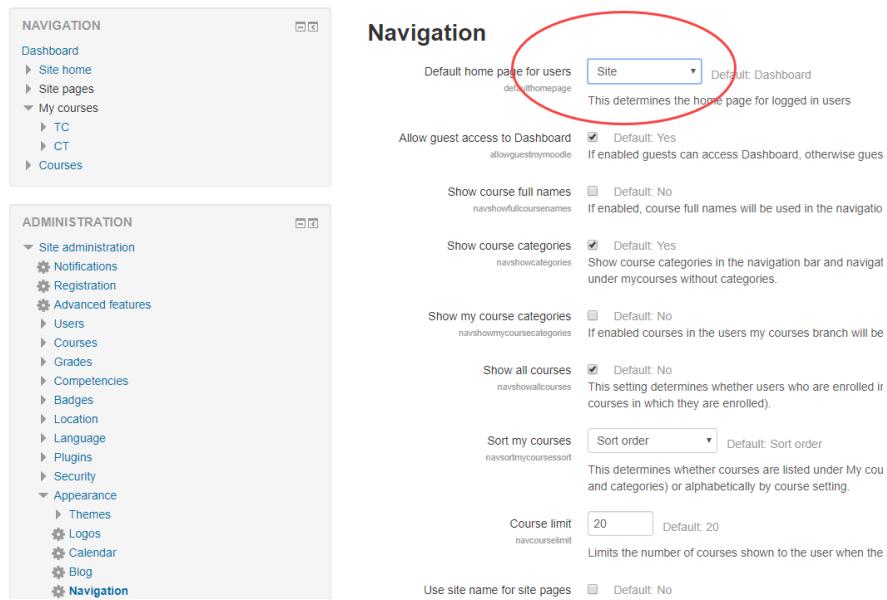
## Configure My Media placement

**My Media** is each user's personal media repository in Moodle (based on their Moodle role and permissions). No setup is required for My Media. Users can find My Media under the My Home menu.

1. Go to **Site administration > Appearance > Navigation**
2. Select **Site** under "Default home page for users".

## Moodle Customer Training

Dashboard > Site administration > Appearance > Navigation



**NAVIGATION**

- Dashboard
- Site home
- Site pages
- My courses
  - TC
  - CT
  - Courses

**ADMINISTRATION**

- Site administration
  - Notifications
  - Registration
  - Advanced features
    - Users
    - Courses
    - Grades
    - Competencies
    - Badges
    - Location
    - Language
    - Plugins
    - Security
  - Appearance
    - Themes
    - Logos
    - Calendar
    - Blog
    - Navigation

**Navigation**

**Default home page for users**  Default: Dashboard  
 This determines the home page for logged in users

**Allow guest access to Dashboard**  Default: Yes  
 If enabled guests can access Dashboard, otherwise gues

**Show course full names**  Default: No  
 If enabled, course full names will be used in the navigatio

**Show course categories**  Default: Yes  
 Show course categories in the navigation bar and navigat under mycourses without categories.

**Show my course categories**  Default: No  
 If enabled courses in the users my courses branch will be

**Show all courses**  Default: No  
 This setting determines whether users who are enrolled in courses in which they are enrolled).

**Sort my courses**  Default: Sort order  
 This determines whether courses are listed under My cou and categories) or alphabetically by course setting.

**Course limit**  Default: 20  
 Limits the number of courses shown to the user when the

**Use site name for site pages**  Default: No

### 3. Click **Save changes**.

The My Media link is now available to users in the selected location.

## Media Gallery

The Media Gallery is a shared media repository for a Moodle course. It allows instructors and students to view and interact with media that is associated with a specific course.

Access to the Media Gallery and available actions are controlled by Moodle roles and permissions.

When using the Boost theme, the Media Gallery link may not appear in the standard Navigation menu. Instead, you can display the Media Gallery link in one of the following locations:

- Navigation block
- Course settings menu

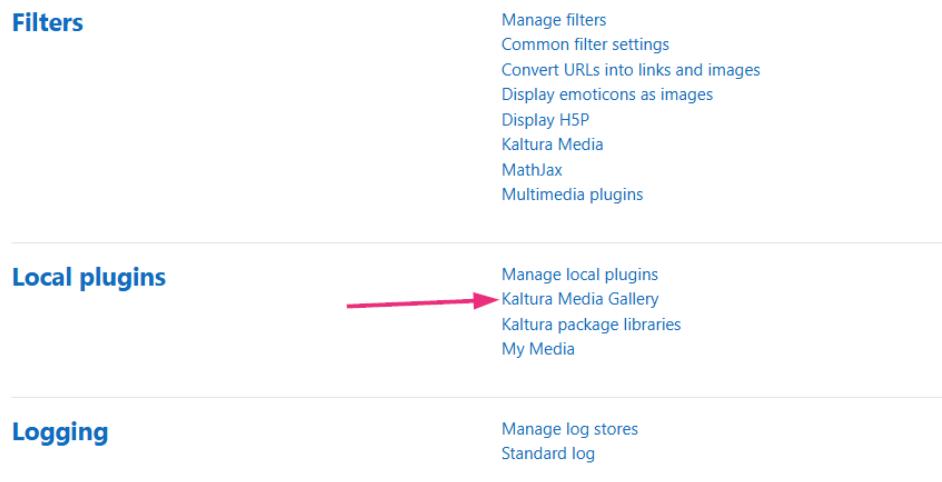
To configure where the 'Media Gallery' link appears:

### 1. Go to your Moodle **Site administration** and select **Plugins**.

## Site administration

[General](#) [Users](#) [Courses](#) [Grades](#) [Plugins](#) [Appearance](#) [Server](#) [Reports](#) [Development](#)


2. On the 'Plugins' page, scroll down to the **Local plugins** section and select **Kaltura Media Gallery**.



**Filters**

- Manage filters
- Common filter settings
- Convert URLs into links and images
- Display emoticons as images
- Display H5P
- Kaltura Media
- MathJax
- Multimedia plugins

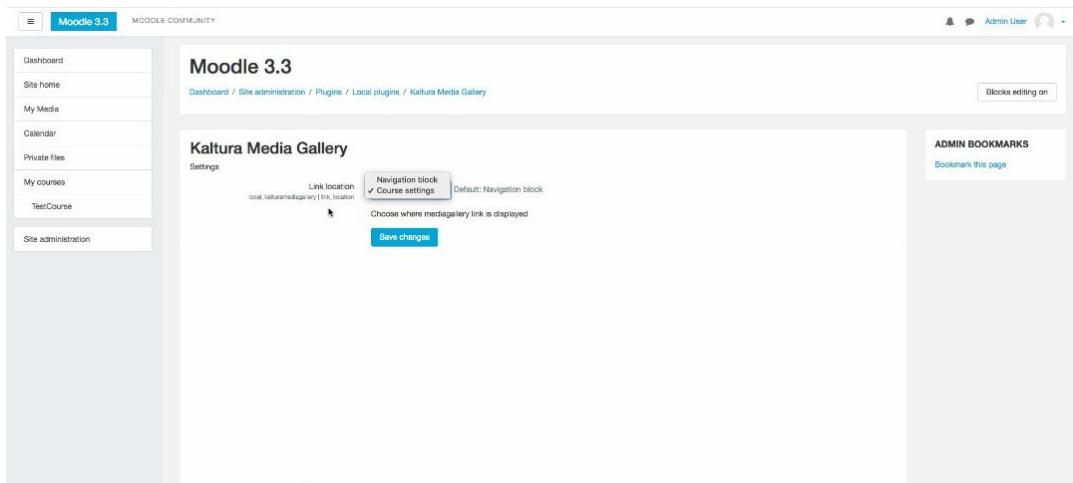
**Local plugins**

- Manage local plugins
- Kaltura Media Gallery** (highlighted with a pink arrow)
- Kaltura package libraries
- My Media

**Logging**

- Manage log stores
- Standard log

3. In the **Link location** dropdown, select where you want the **Kaltura Media Gallery** link to appear.



**Kaltura Media Gallery**

Settings

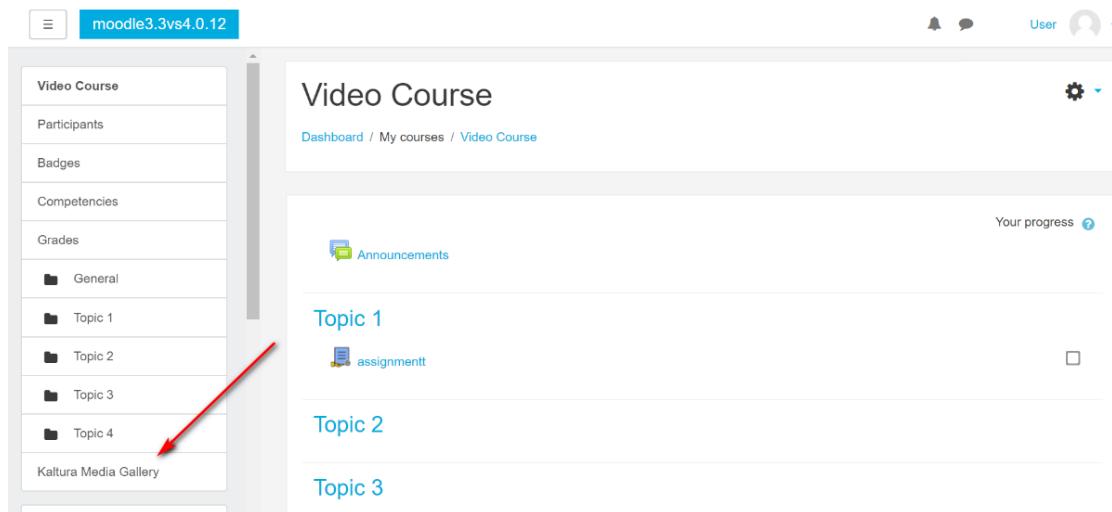
Link location: local\_kalturagallery [Link location]  **Navigation block**  Course settings Default: Navigation block

Choose where madagallery link is displayed

**Save changes**

**Navigation block**

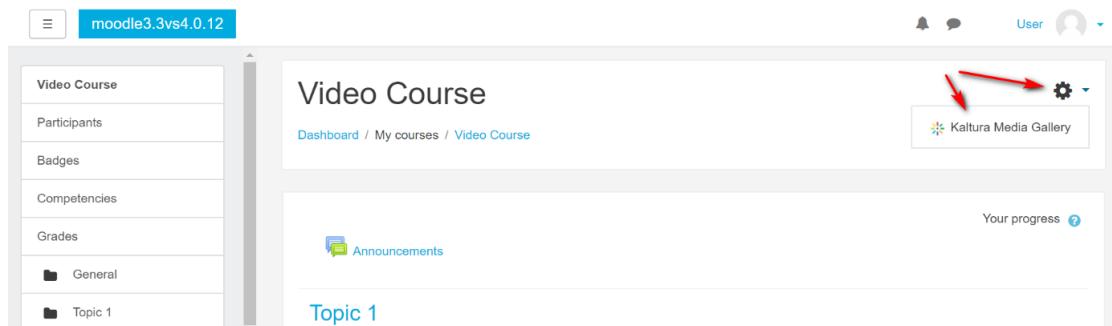
Select Navigation block for the link to appear on the left Navigation block.



A screenshot of a Moodle course page titled 'Video Course'. The left sidebar contains a navigation block with the following items: 'Video Course', 'Participants', 'Badges', 'Competencies', 'Grades', 'General', 'Topic 1', 'Topic 2', 'Topic 3', 'Topic 4', and 'Kaltura Media Gallery'. A red arrow points from the text 'Course setting menu' to the 'Kaltura Media Gallery' item in the sidebar.

## Course setting menu

Select Course settings for the link to appear on the course Admin settings menu:



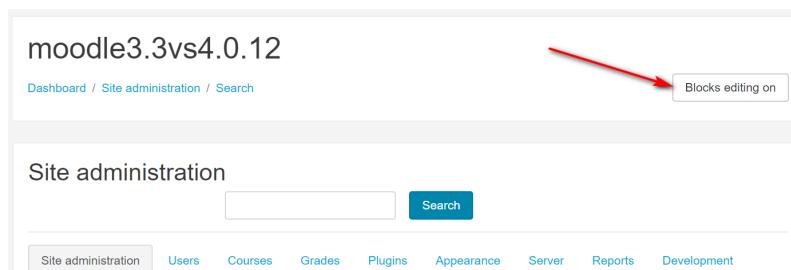
A screenshot of a Moodle course page titled 'Video Course'. The left sidebar contains a navigation block with the following items: 'Video Course', 'Participants', 'Badges', 'Competencies', 'Grades', 'General', and 'Topic 1'. In the top right corner of the page, there is a settings gear icon. A red arrow points from the text 'Select Course settings for the link to appear on the course Admin settings menu:' to this gear icon.

The default display is in the Navigation block.

## Adding a block

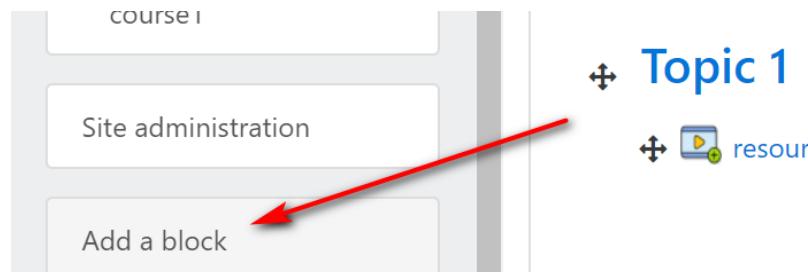
If you have permissions to add blocks to a course, you can add the Kaltura Media Gallery Block. The link to the Kaltura Media Gallery will be added to the course side pane.

1. Navigate to the site administration.
2. Turn editing on.

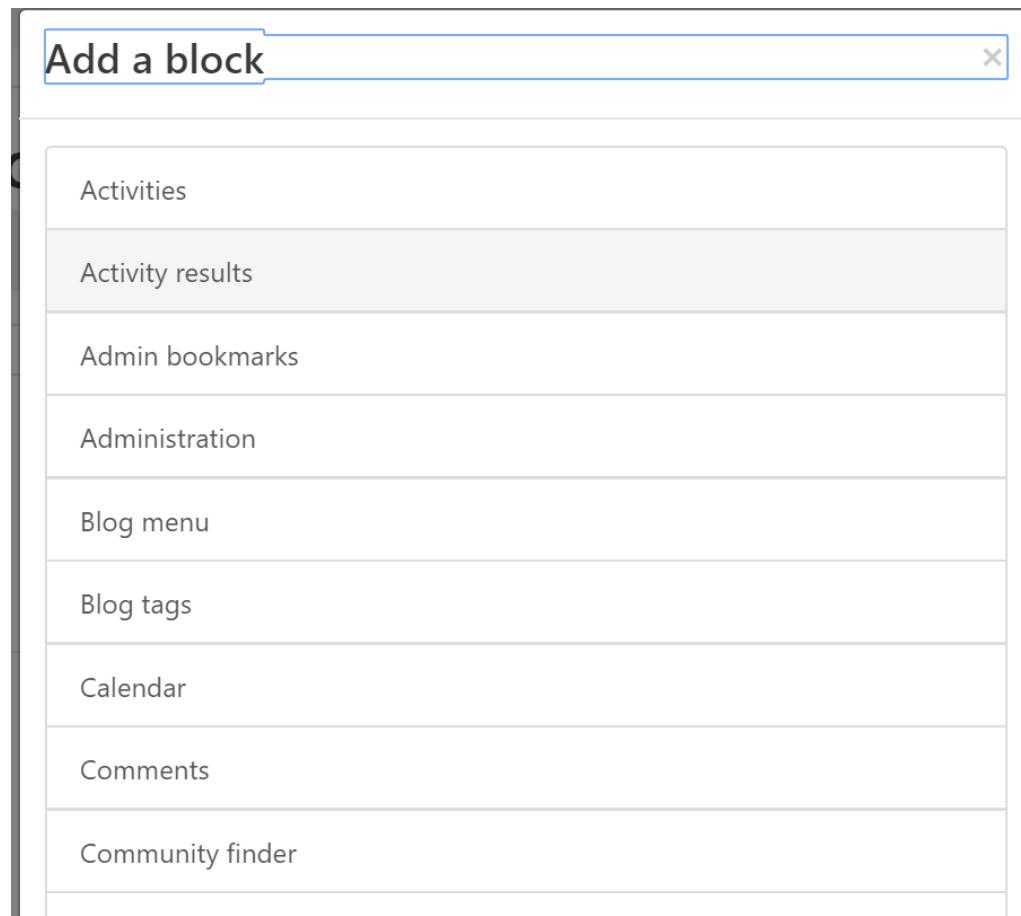


A screenshot of the Moodle site administration page. The top bar shows 'moodle3.3vs4.0.12'. The main area is titled 'Site administration' with a search bar and a 'Search' button. Below the search bar is a navigation menu with tabs: 'Site administration' (selected), 'Users', 'Courses', 'Grades', 'Plugins', 'Appearance', 'Server', 'Reports', and 'Development'. A red arrow points from the text 'Blocks editing on' to the 'Blocks editing on' button in the top right corner of the page.

3. Navigate to a course, and locate the **Add a block** button.

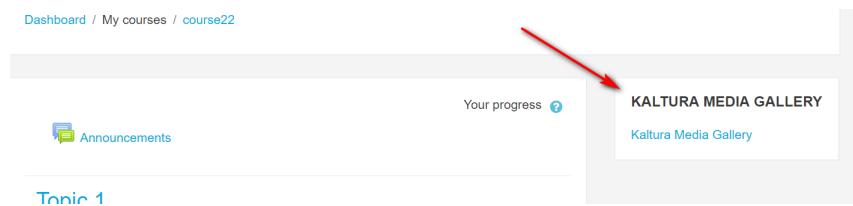


4. Under the list of blocks, choose the Kaltura Media Gallery.



Courses
Course/site summary
Feedback
Global search
HTML
Kaltura Media Gallery
Latest announcements
Latest badges

The results after adding the Kaltura Media Gallery block are as follows:



Dashboard / My courses / course22

Your progress ?

Announcements

Topic 1

KALTURA MEDIA GALLERY

Kaltura Media Gallery

## Roles and permissions

This section provides information on how to set roles and permissions for users to use the Kaltura features.

1. Go to **Site Administration > Users > Permissions > Define Roles**.

## Site administration

 Search
[Site administration](#) [Users](#) [Courses](#) [Grades](#) [Plugins](#) [Appearance](#) [Server](#) [Reports](#) [Development](#)

### Users

#### Accounts

[Browse list of users](#)  
[Bulk user actions](#)  
[Add a new user](#)  
[User default preferences](#)  
[User profile fields](#)  
[Cohorts](#)  
[Upload users](#)  
[Upload user pictures](#)

#### Permissions

[User policies](#)  
[Site administrators](#)  
[Define roles](#)  
[Assign system roles](#)  
[Check system permissions](#)  
[Capability overview](#)  
[Assign user roles to cohort](#)  
[Unsupported role assignments](#)

2. A list of all standard and custom roles is displayed.
3. Select the role to edit and click the gear icon.
4. Use CTRL+F to search for "Kaltura" (there are a several permissions related to the Kaltura extension)
5. Set each permission to **Allow**.

[Dashboard](#) / [Site administration](#) / [Users](#) / [Permissions](#) / [Define roles](#)
[Manage roles](#) [Allow role assignments](#) [Allow role overrides](#) [Allow role switches](#)

Role	Description	Short name	Edit
Manager	Managers can access course and modify them, they usually do not participate in courses.	manager	
Course creator	Course creators can create new courses.	coursecreator	
Teacher	Teachers can do anything within a course, including changing the activities and grading students.	editingteacher	
Non-editing teacher	Non-editing teachers can teach in courses and grade students, but may not alter activities.	teacher	
Student	Students generally have fewer privileges within a course.	student	
Guest	Guests have minimal privileges and usually can not enter text anywhere.	guest	
Authenticated user	All logged in users.	user	
Authenticated user on frontpage	All logged in users in the frontpage course.	frontpage	

[Add a new role](#)

## Available permissions

The following lists the available features/permissions:

- Block: Kaltura Media Gallery
  - Add a new Kaltura Media Gallery block to Dashboard
- Kaltura package libraries (recommended for admins only)

- Download Kaltura trace logs
- Migrate Kaltura Data
- Kaltura Media Gallery
  - View Kaltura Media Gallery
- Activity: Kaltura Media Assignment
  - Add a Kaltura Media Assignment
- Activity: Kaltura Video Resource
  - Add a Kaltura Video Resource
- Activity: Kaltura Media Assignment
  - Grade video submissions
  - Submit videos
- Block: Kaltura Media Gallery
  - Add a new Kaltura Media Gallery block
- My Media
  - View My Media page

	<input type="checkbox"/> Allow	?
<a href="#">View report</a> gradereport/singleview:view	<input type="checkbox"/>	?
<b>Grade report: User report</b>	<input checked="" type="checkbox"/>	?
<a href="#">View your own grade report</a> gradereport/userview	<input checked="" type="checkbox"/>	?
<b>Kaltura Media Gallery</b>	<input checked="" type="checkbox"/>	?
<a href="#">View Kaltura Media Gallery</a> local:kulturamediaGallery:view	<input checked="" type="checkbox"/>	?
<b>Activity: Assignment</b>	<input checked="" type="checkbox"/>	?
<a href="#">Add a new assignment</a> mod/assign:addinstance	<input type="checkbox"/>	⚠
<b>Activity: Assignment 2.2 (Disabled)</b>	<input type="checkbox"/>	⚠
<a href="#">Add a new assignment</a> mod/assignment:addinstance	<input type="checkbox"/>	⚠
<b>Activity: Book</b>	<input type="checkbox"/>	⚠
<a href="#">Add a new book</a> mod/book:addinstance	<input type="checkbox"/>	⚠
<b>Activity: Chat</b>	<input type="checkbox"/>	⚠
<a href="#">Add a new chat</a> mod/chat:addinstance	<input type="checkbox"/>	⚠

## Next steps

To complete your Kaltura deployment, please see [Deploy Kaltura Video Quiz Moodle Gradebook Integration with LTI 1.3](#).