

# 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	xmllrpc	① should be installed and enabled for best results The xmllrpc extension is needed for hup communication, and useful for web services and Moodle networking	Check
php_setting	opcache enable	① PHP setting should be changed PHP opcache caching improves performance and lowers memory requirements. OPcache extension is recommended and fully supported	Check
unicode		① must be installed and enabled	OK
database	mysql	① version 5.1.33 is required and you are running 5.5.16	OK
php		① version 5.3.3 is required and you are running 5.3.9	OK
php_extension	iconv	① should be installed and enabled for best results	OK
php_extension	mbstring	① should be installed and enabled for best results	OK
php_extension	curl	① must be installed and enabled	OK
php_extension	openssl	① should be installed and enabled for best results	OK
php_extension	tokenizer	① should be installed and enabled for best results	OK
php_extension	soap	① should be installed and enabled for best results	OK
php_extension	ctype	① must be installed and enabled	OK
php_extension	zip	① must be installed and enabled	OK
php_extension	zlib	① should be installed and enabled for best results	OK
php_extension	gd	① must be installed and enabled	OK
php_extension	simplexml	① must be installed and enabled	OK
php_extension	spl	① must be installed and enabled	OK
php_extension	pcr	① must be installed and enabled	OK
php_extension	dom	① must be installed and enabled	OK
php_extension	xml	① must be installed and enabled	OK
php_extension	intl	① should be installed and enabled for best results	OK
php_extension	json	① must be installed and enabled	OK
php_setting	memory_limit	① must be installed and enabled	OK
php_setting	safe_mode	① recommended setting detected	OK
php_setting	file_uploads	① recommended setting detected	OK

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\_kalturamediagallery**

Success

**local\_mymedia**

Success

[Continue](#)

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

**Installation**

**New settings - Front page settings**

Full site name (required) Moodle (KAF)

Short name for site (eg single word) (required) Moodle (KAF)

Front page summary (summary)

Paragraph

Path p

This summary can be displayed on the front page using the course/site summary block or by including a topic section on the front page

**New settings - Manage authentication**

Self registration (optional) Disable Default: Disable

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.

[Save changes](#)

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**.

New Site Home Dashboard My courses Site administration

Site administration

General Users Courses Grades Plugins Appearance Server Reports Development

Search results

**Kaltura package libraries**

Administration / Plugins / Local plugins / Kaltura package libraries

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

---

**KAF URI**  
local\_kaltura | kaf\_uri

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

Default: Empty

Type in the server URI of your KAF instance.

**Server URI**  
local\_kaltura | uri

Default: www.kaltura.com

Type in the server URI you want to connect to. Otherwise just type in the default settings (This setting is used for migration purposes).

**Partner id**  
local\_kaltura | partner\_id

Default: Empty

Enter the partner id for your account.

**Admin secret**  
local\_kaltura | adminsecret

Default: Empty

Enter the admin secret for your account.

**Enable trace logging**  
local\_kaltura | enable\_logging

☒ 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 [here](#).

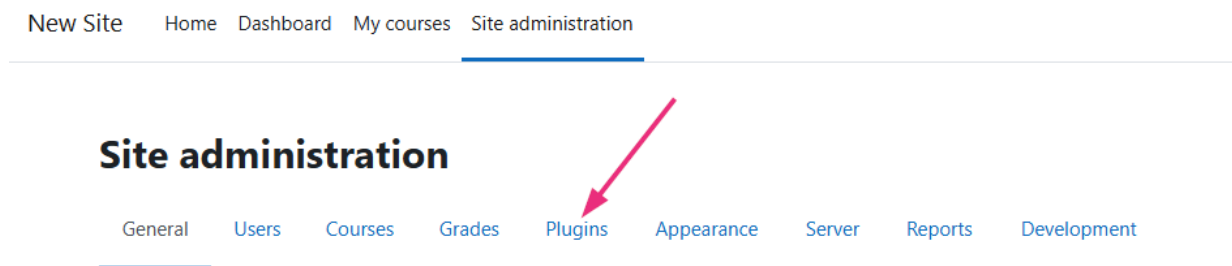
## Step 2: Configure Kaltura features and access

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

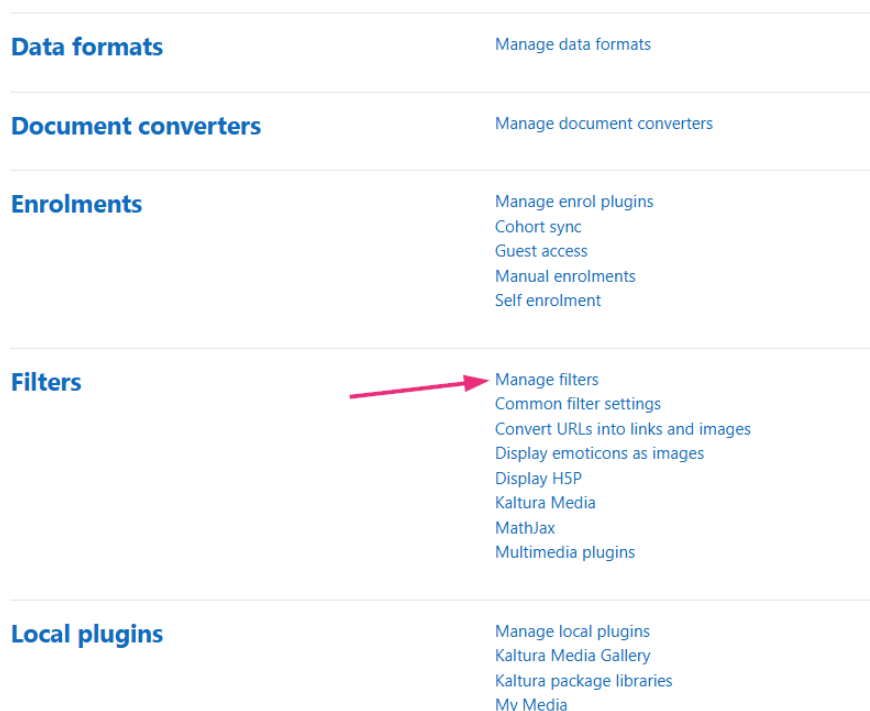
## Enable the Kaltura media filter

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**.



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



The Manage filters page opens.

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

### Manage filters

Filter	Active?	Order	Apply to	Settings	Uninstall
Display HSP	<input type="checkbox"/>	↓	Content	<a href="#">Settings</a>	<a href="#">Uninstall</a>
Activity names auto-linking	<input type="checkbox"/>	↑ ↓	Content		<a href="#">Uninstall</a>
Mathlax	<input type="checkbox"/>	↑ ↓	Content	<a href="#">Settings</a>	<a href="#">Uninstall</a>
Display emoticons as images	<input type="checkbox"/>	↑ ↓	Content	<a href="#">Settings</a>	<a href="#">Uninstall</a>
Convert URLs into links and images	<input type="checkbox"/>	↑ ↓	Content	<a href="#">Settings</a>	<a href="#">Uninstall</a>
Multimedia plugins	<input type="checkbox"/>	↑	Content	<a href="#">Settings</a>	<a href="#">Uninstall</a>
Algebra notation	<input type="checkbox"/>		Content		<a href="#">Uninstall</a>
Code highlighter	<input type="checkbox"/>		Content		<a href="#">Uninstall</a>
Database auto-linking	<input type="checkbox"/>		Content		<a href="#">Uninstall</a>
Email protection	<input type="checkbox"/>		Content		<a href="#">Uninstall</a>
Glossary auto-linking	<input type="checkbox"/>		Content		<a href="#">Uninstall</a>
Kaltura Media	<input type="checkbox"/>		Content	<a href="#">Settings</a>	<a href="#">Uninstall</a>

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

### Manage filters

Filter	Active?	Order	Apply to	Settings	Uninstall
Display HSP	<input type="checkbox"/>	↓	Content	<a href="#">Settings</a>	<a href="#">Uninstall</a>
Activity names auto-linking	<input type="checkbox"/>	↑ ↓	Content		<a href="#">Uninstall</a>
Mathlax	<input type="checkbox"/>	↑ ↓	Content	<a href="#">Settings</a>	<a href="#">Uninstall</a>
Display emoticons as images	<input type="checkbox"/>	↑ ↓	Content	<a href="#">Settings</a>	<a href="#">Uninstall</a>
Convert URLs into links and images	<input type="checkbox"/>	↑ ↓	Content	<a href="#">Settings</a>	<a href="#">Uninstall</a>
Multimedia plugins	<input type="checkbox"/>	↑ ↓	Content	<a href="#">Settings</a>	<a href="#">Uninstall</a>
Kaltura Media	<input type="checkbox"/>	↑	Content	<a href="#">Settings</a>	<a href="#">Uninstall</a>

The Kaltura Media page displays.

### Kaltura Media

Embed Kaltura Video Links  
filter\_kaltura\_enable

☒ 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

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

## Kaltura Media

Embed Kaltura Video Links  
filter\_kaltura\_enable

☒ Default: Yes

Convert Kaltura video links to embed code

Alternate KAF URIs  
filter\_kaltura\_uris

Default: Empty

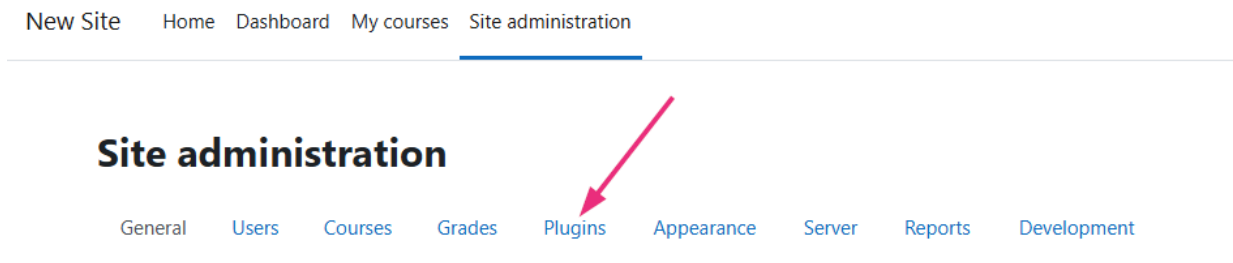
Enter alternate KAF URIs to filter, one per line

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**.



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

## Search

Manage global search  
Search areas  
Solr

## SMS

Manage SMS gateways

## Text editors

Manage editors  
Atto HTML editor  
Atto toolbar settings  
Collapse toolbar settings  
Equation editor settings  
RecordRTC  
Table settings  
TinyMCE editor  
General settings  
Equation editor settings  
TinyMCE Premium  
RecordRTC

The 'Atto HTML editor' page displays.

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

#### Category: Atto HTML editor

[Atto toolbar settings](#)

##### Atto plugins

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.

#### Atto toolbar settings

##### Atto plugins

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 `kalturamedia` 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  
defaulthomepage  
This determines the home page for logged in users

Allow guest access to Dashboard ☒ Default: Yes  
allowguestmymoodle  
If enabled guests can access Dashboard, otherwise guests

Show course full names ☐ Default: No  
navshowfullcoursenames  
If enabled, course full names will be used in the navigation

Show course categories ☒ Default: Yes  
navshowcategories  
Show course categories in the navigation bar and navigation under my courses without categories.

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

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

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

Course limit  Default: 20  
navcourselimit  
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](#)

- 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](#)

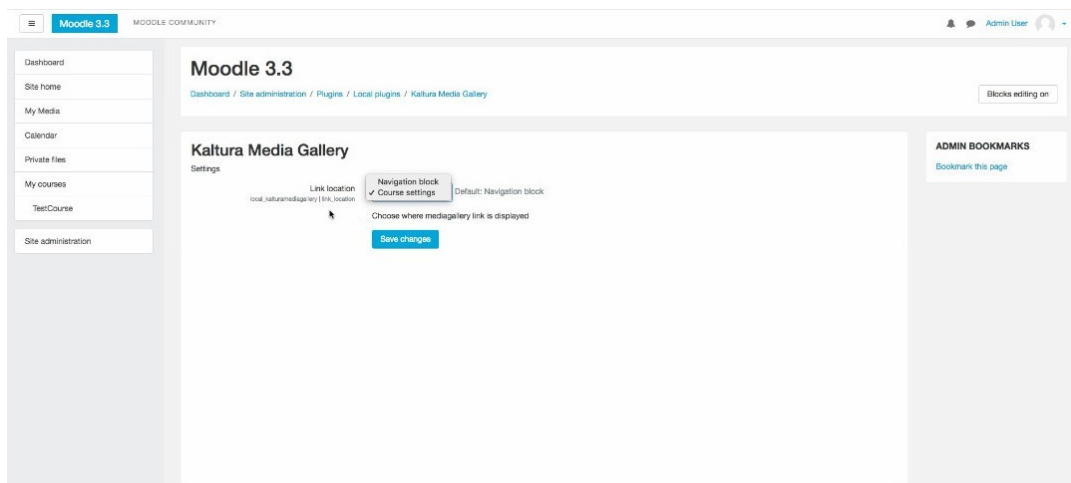
### Local plugins

[Manage local plugins](#)  
[Kaltura Media Gallery](#)  
[Kaltura package libraries](#)  
[My Media](#)

### Logging

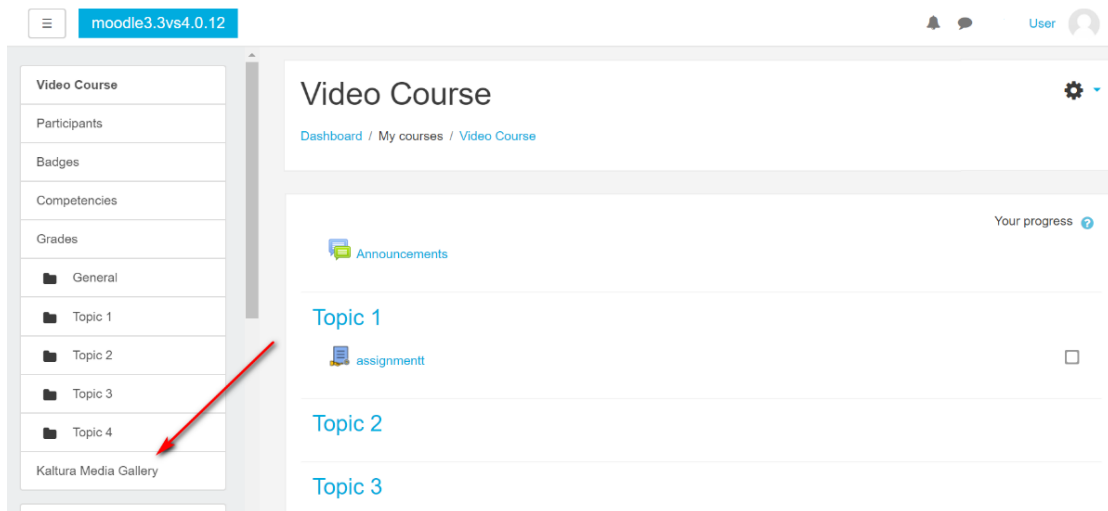
[Manage log stores](#)  
[Standard log](#)

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



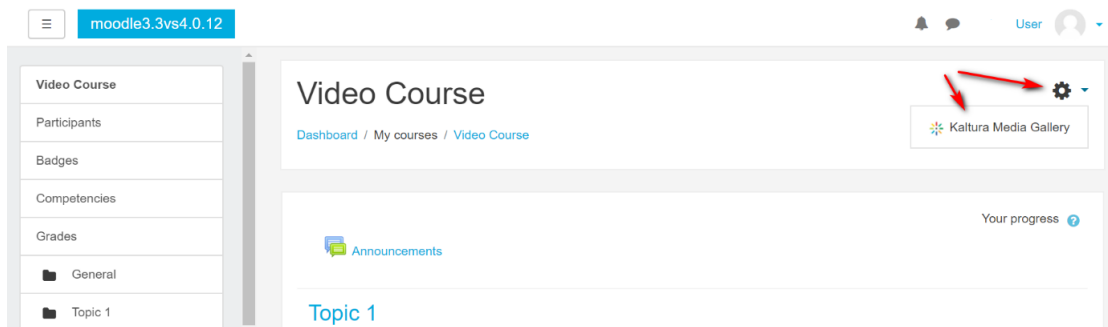
## Navigation block

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



## Course setting menu

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

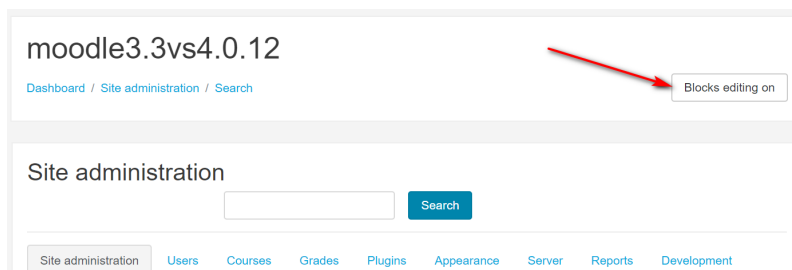


The default display is in the Navigation block.

## 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.

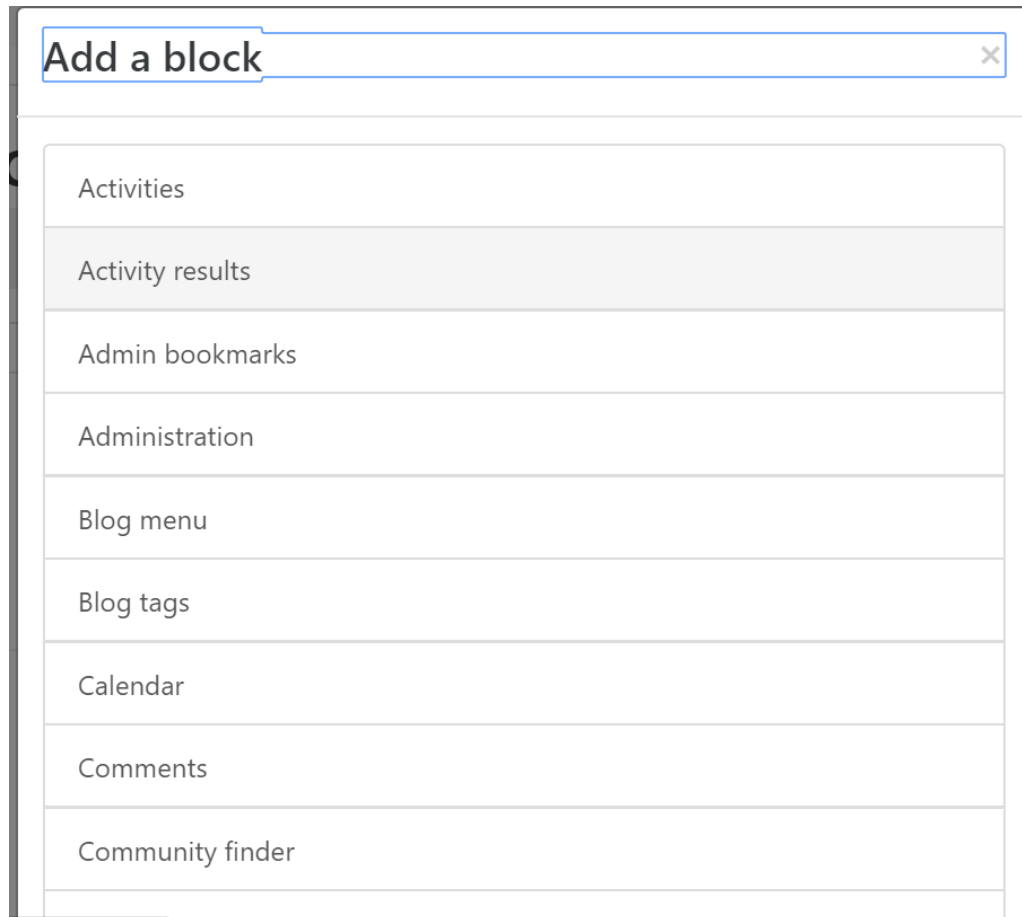
1. Navigate to the site administration.
2. Turn editing on.



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

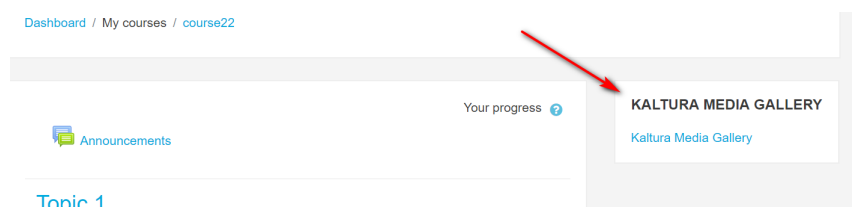


4. Under the list of blocks, choose the Kaltura Media Gallery.



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

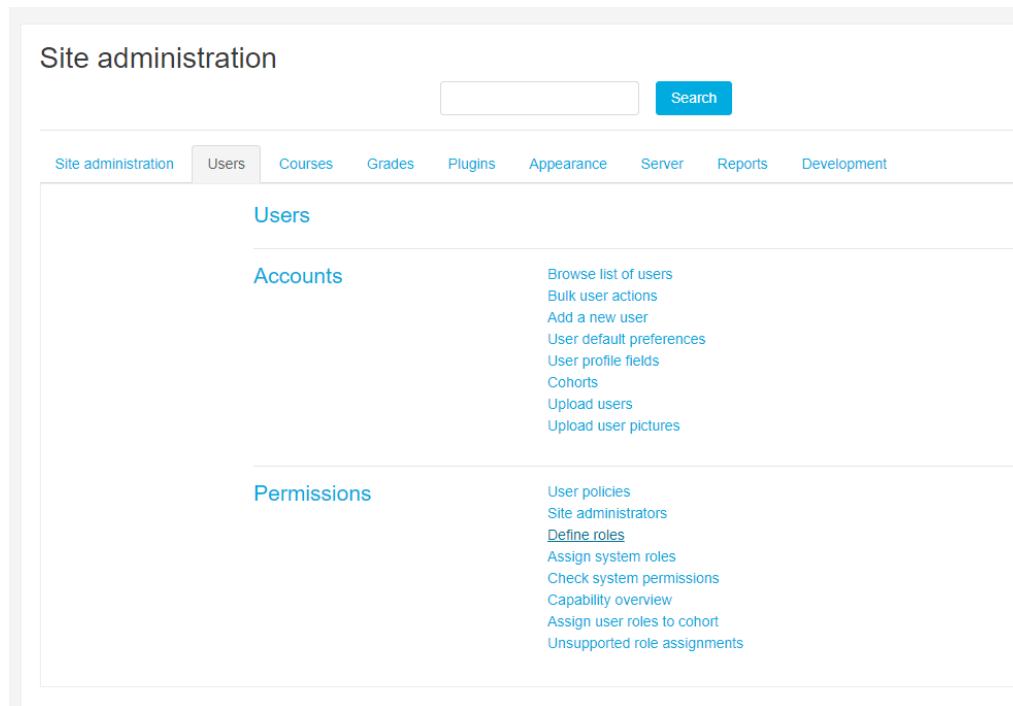
The results after adding the Kaltura Media Gallery block are as follows:



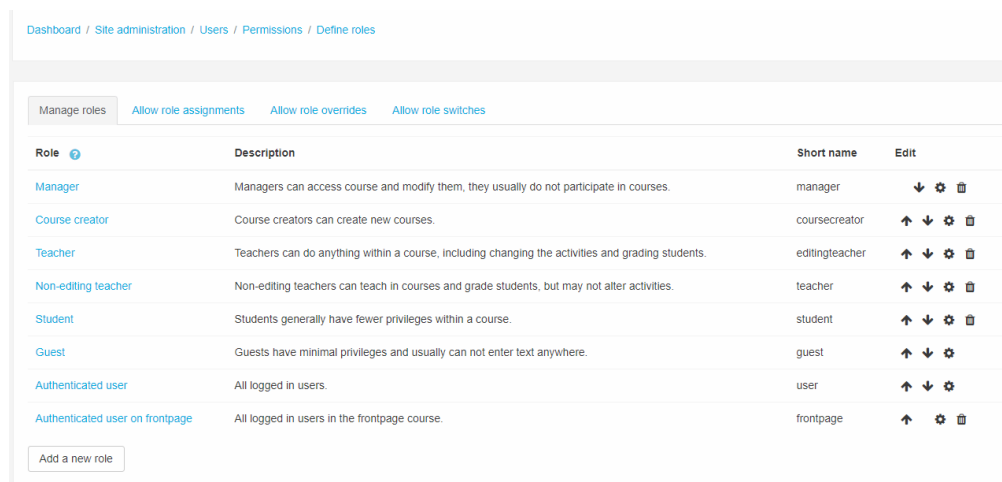
## Roles and permissions

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.**



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**.



## 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

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

## Next steps

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