Set up Kaltura LMS Video integration for Moodle 4.x

Last Modified on 07/13/2026 12:14 pm IDT

This article is designated for administrators.

About

This guide covers plugin installation, connection to Kaltura, and configuration of Kaltura features for **Moodle version 4.x** (4.0-4.5).

Moodle 4.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 **4.x** (4.0–4.5)
- Access to your 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

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*In **Moodle 4.5 and later**, video assignments can also be created using the native Moodle Assignment activity with Kaltura Media enabled as a submission type. For instructions, see Create a video assignment in Moodle.

To install the plugin:

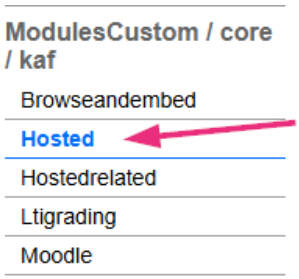
1. Download the latest Kaltura Video Plugin to your Moodle root directory. For the latest plugin releases, visit our official GitHub repo.
2. Unzip the downloaded package and when prompted to choose an extraction location, select the Moodle root directory (the folder that contains the admin, mod, and local folders).
3. Log in to your Moodle site in a web browser as an administrator. If Moodle detects the new plugin files, it automatically displays the plugin installation screen.
4. When prompted, click **Continue** at the bottom of the welcome screen to start the plugin installation.
5. Review the server checks and click **Continue**.
6. Wait for the installation to complete, then click **Continue**.
7. Complete the required fields and click **Update profile**.
8. Configure the front page settings and 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.

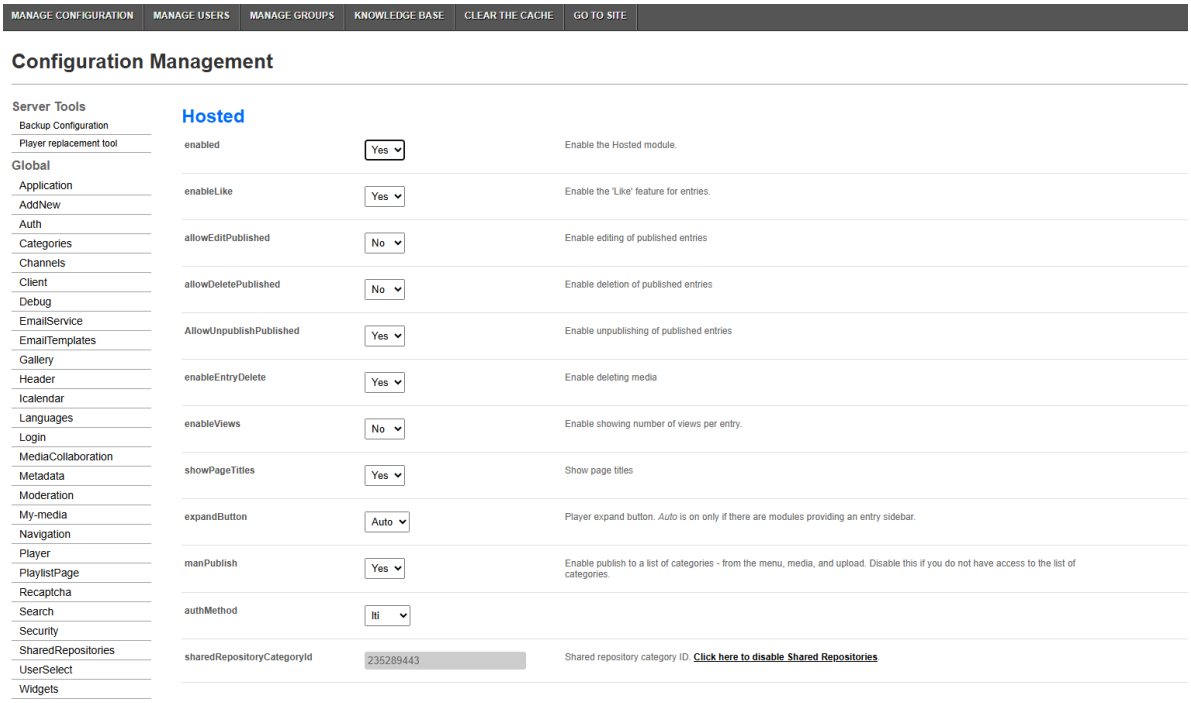
Step 1: Configure the Hosted module

1. Go to your Configuration Management console and click on the **Hosted** module. You can also navigate to it directly using a link: `https://{your_site_URL}/admin/config/tab/hosted`.

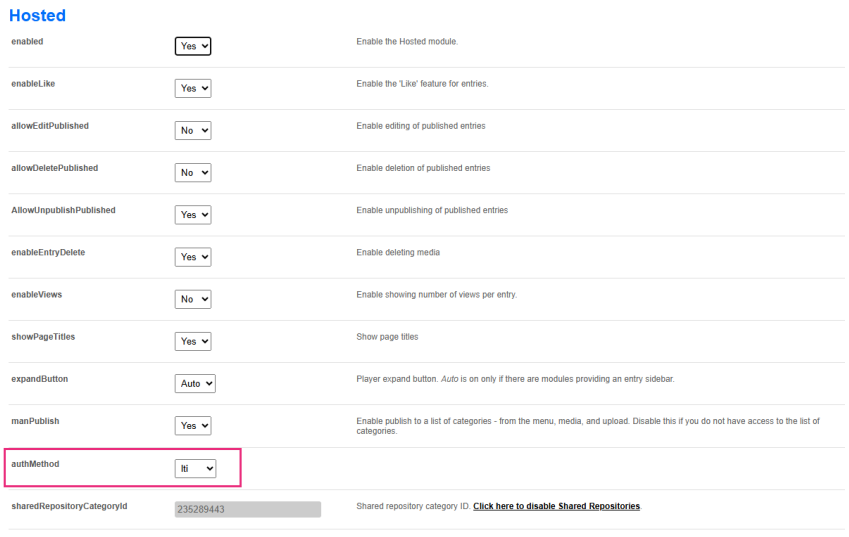


The 'Hosted' page displays.

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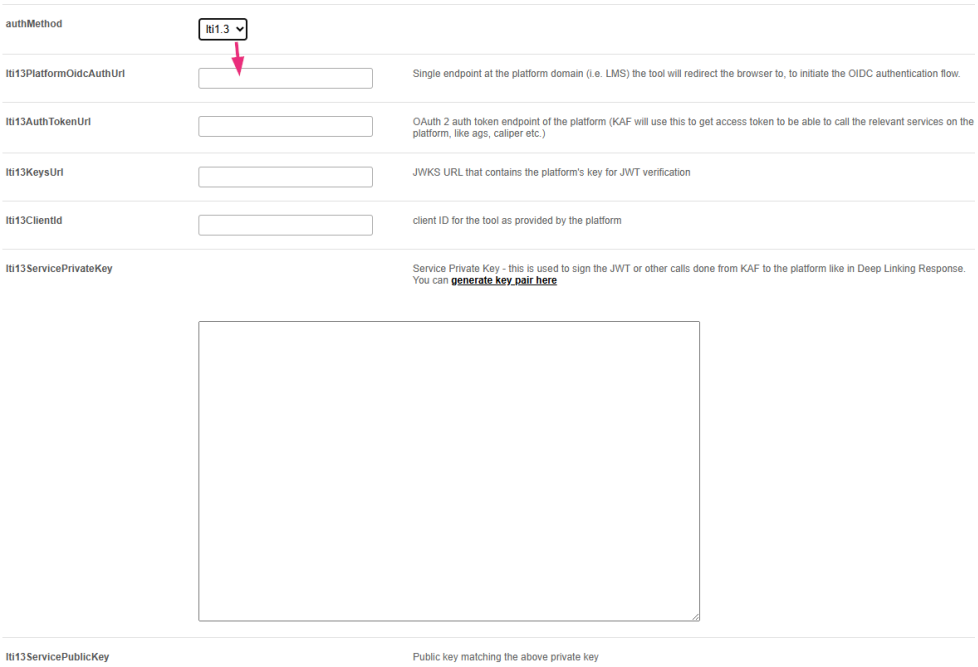


2. Scroll down the page to the **authMethod** field and select the LTI version you plan to use.

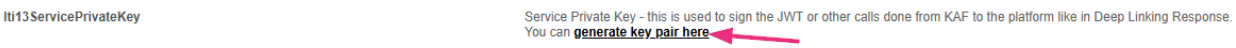


If you select **LTI 1.3**, additional fields display.

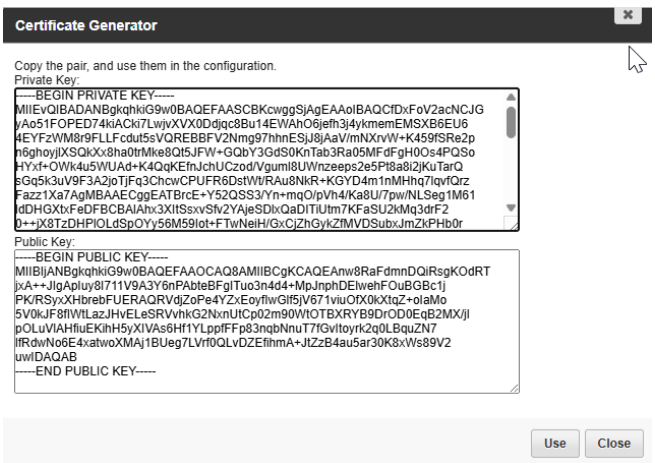
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- 3. Configure the following fields:
  - **lti13PlatformOidcAuthUrl** - Enter the Moodle platform OIDC authentication URL: `https://{your_Moodle_domain}/local/kaltura/auth.php`
  - **lti13AuthTokenUrl** - Enter the Moodle OAuth token URL: `https://{your_Moodle_domain}/mod/lti/token.php`
  - **lti13KeysUrl** - Enter the Moodle JWKS URL: `https://{your_Moodle_domain}/mod/lti/certs.php`
  - **lti13ClientId** - Leave this field empty for now. You will populate it after obtaining the Client ID in Step 2.
  - **lti13ServicePrivateKey** - Click the 'generate key pair here' link.



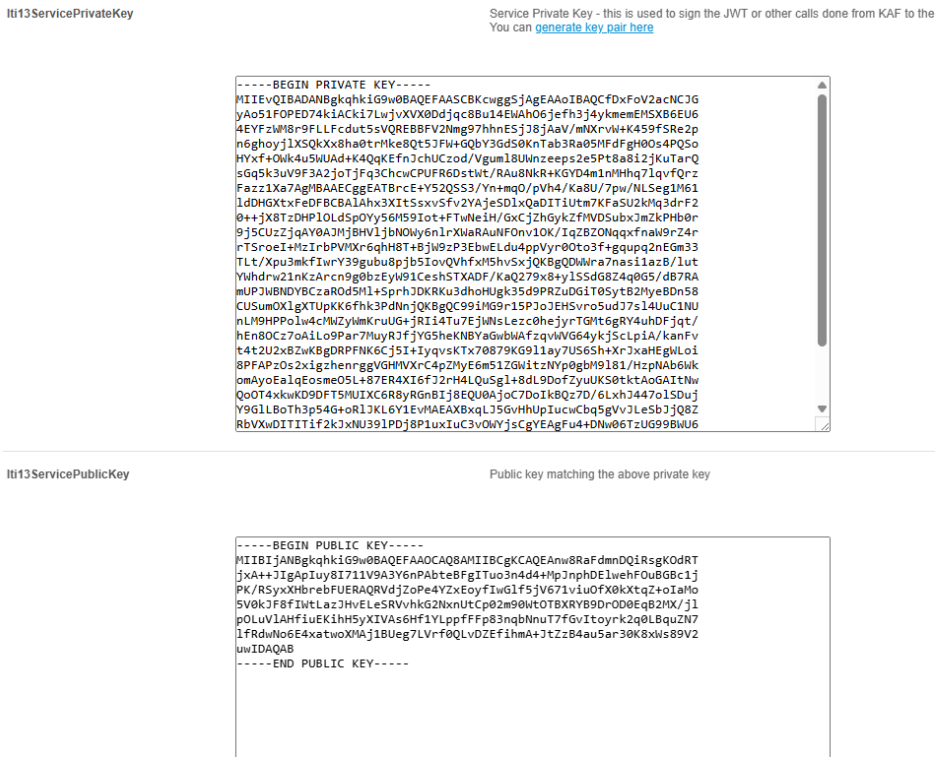
The 'Certificate generator' window opens and displays a private key and a public key.



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4. In the Certificate Generator, click **Use**.

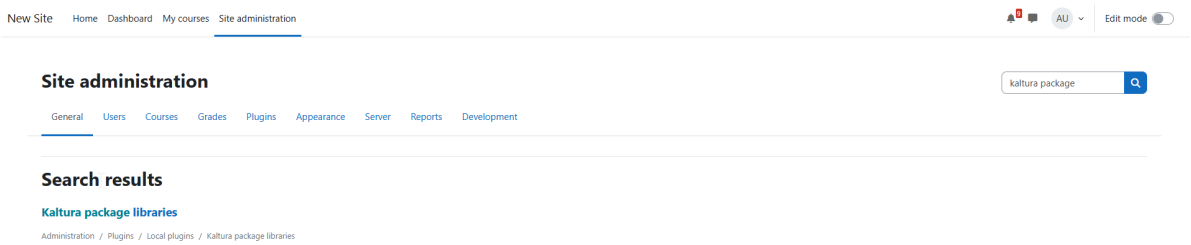
The private and public keys are automatically copied into the **lti13ServicePrivateKey** and **lti13ServicePublicKey** fields.



5. Scroll to the bottom of the page and click **Save**.

Step 2: Configure the Kaltura connection in Moodle

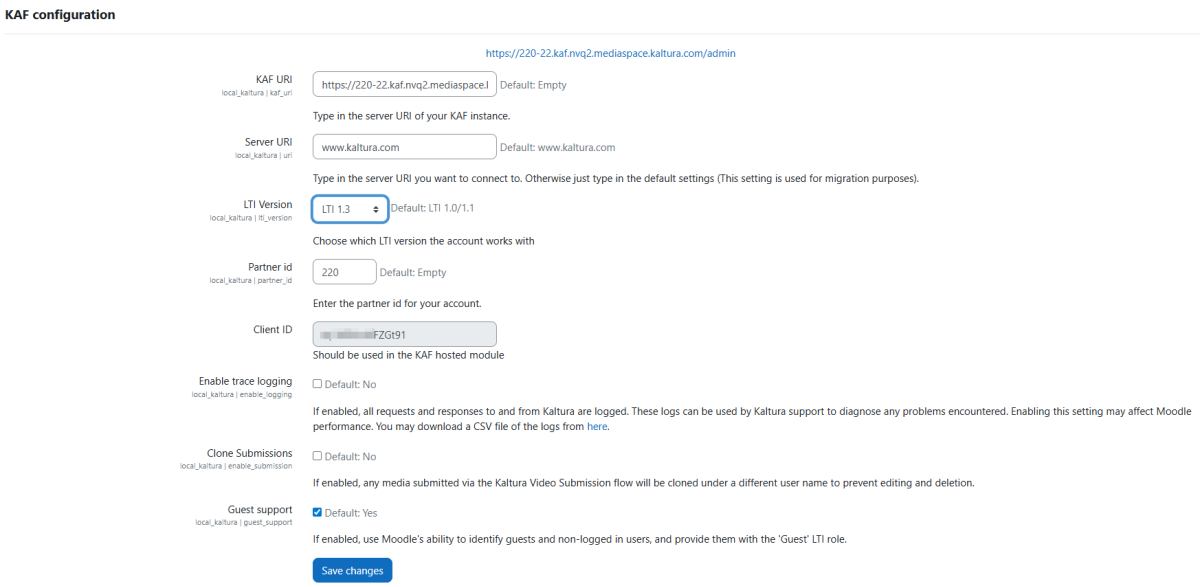
1. In Moodle, go to **Site administration**.
2. Use the search field to locate **Kaltura package libraries**.



3. Click to open the 'Kaltura package libraries' page.
   The KAF configuration page displays.

   This page contains the KAF connection, LTI, and optional feature settings. (The values shown in the image below are examples only.)

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Core settings

1. Configure the following required settings:

- **KAF URI** - Enter your KAF instance URL. Format: `https://{your_KAF_URL}`, for example, `https://123456.kaf.kaltura.com`, or `https://123456-1.kaf.kaltura.com`, or `https://kaltura.kaf.university.edu`

  >
  > The "https://" is required. Do not include an ending "/".

- **Server URI** - Default: `www.kaltura.com`. In most cases, this does not need to change.
- **LTI version** - Select the LTI version your Moodle site uses with Kaltura. The page updates to show the fields required for that LTI version.
- **Partner ID** - Enter your PID (Kaltura Partner ID). You can find this value on the 'Integrations' page in the Rich Media CMS (Rich Media Content Management System). For information, see Account information in Rich Media CMS.
- **Admin secret** - This field displays if you are using **LTI 1.1**. Enter the admin secret from the 'Integrations' page in the Rich Media CMS. For information, see Account information in Rich Media CMS.
- **Client ID** - This field is populated automatically when using **LTI 1.3**. You will copy this value in Step 3.
- **Enable trace logging** - Checked

Optional settings

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- **Enable Clone Submission** - Controls whether Moodle can duplicate assignments that include Kaltura media.

  For assignment cloning to work, the **enableAssignmentSubmission** setting must also be enabled in the Browseandembed module. See Set up Kaltura's media assignment tool for Moodle for configuration steps.

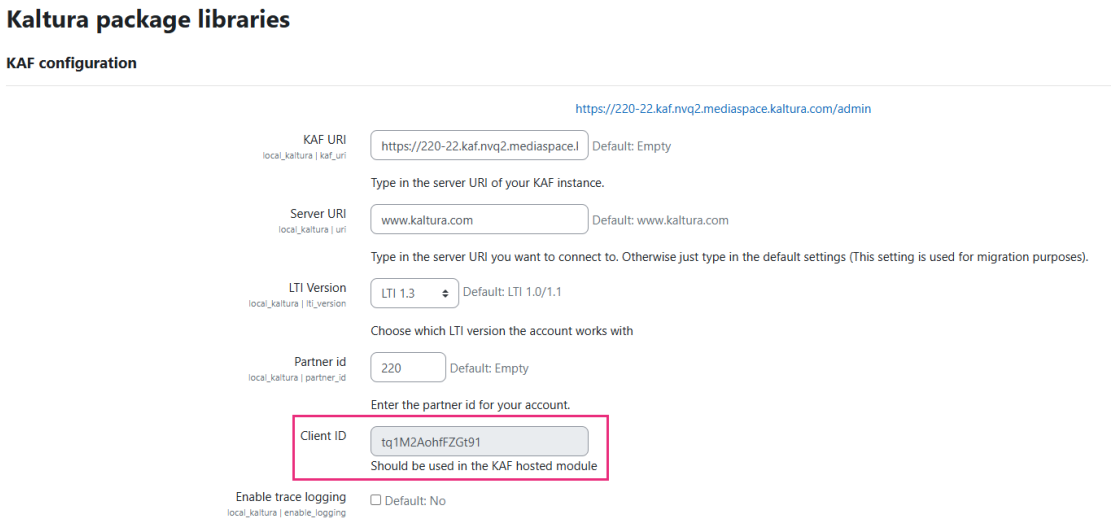
- **Guest support** - Controls access for guest and non-logged-in users. Leave this setting enabled unless you explicitly require guest access.

2. Click **Save changes**.

Step 3: Complete the LTI 1.3 connection (LTI 1.3 only)

This step applies only if you selected LTI 1.3 in the previous steps. If you are using **LTI 1.1**, skip this step and continue to **Step 4**.

1. In Moodle, open the Kaltura package libraries page (see above).
2. Copy the **Client ID** value.



3. Return to the Hosted module in the Configuration Management console, and paste the Client ID into the **lti13ClientId** field (see above).



4. Scroll to the bottom of the page and click **Save**.

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The LTI 1.3 connection between Moodle and KAF is now complete.

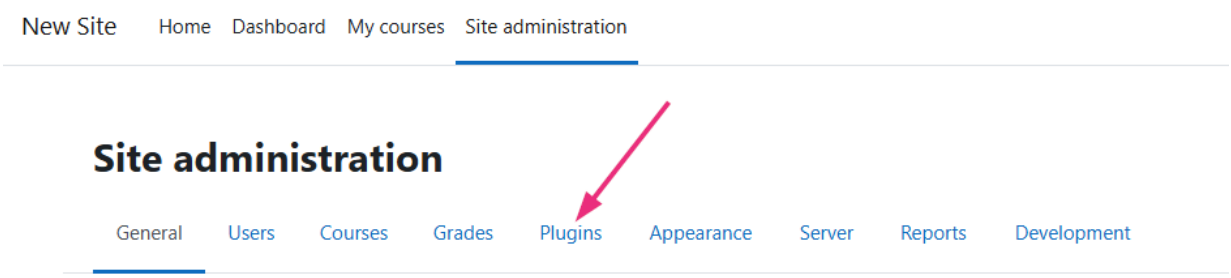
Step 4: Configure Kaltura features and access

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

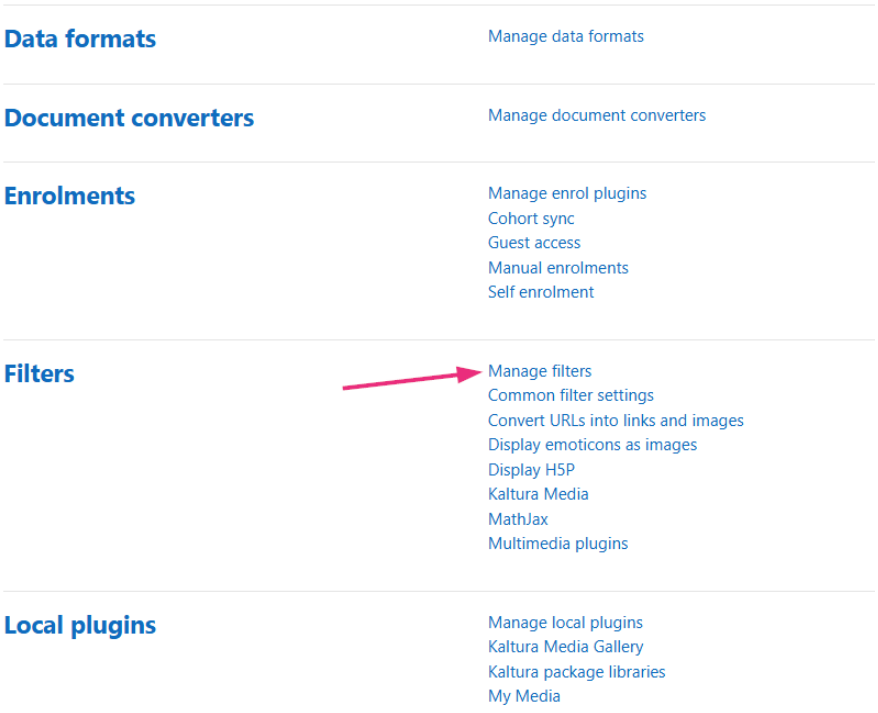
Enable the Kaltura media filter

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**.



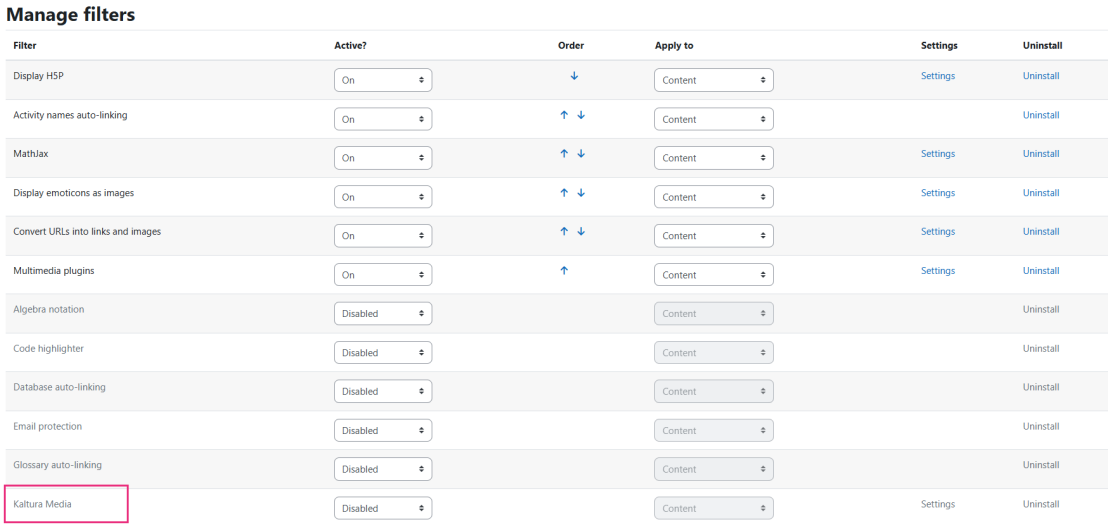
2. Scroll down the page to the **Filters** section and select **Manage filters**.



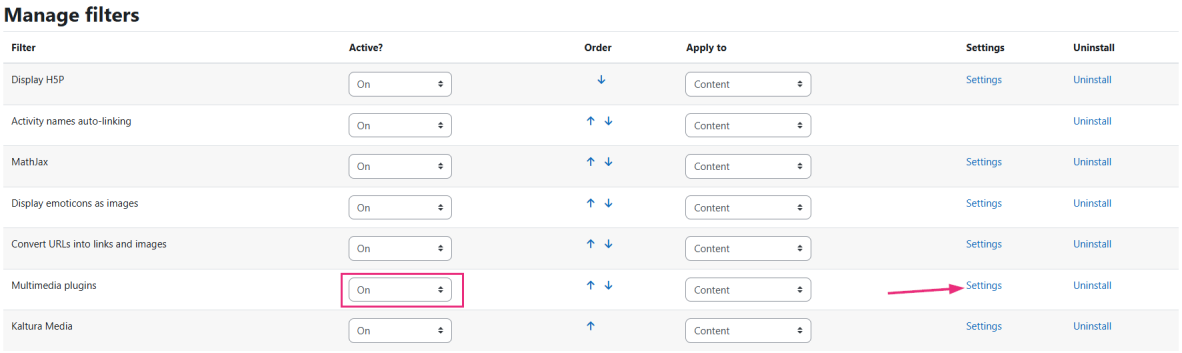
   The Manage filters page opens.

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

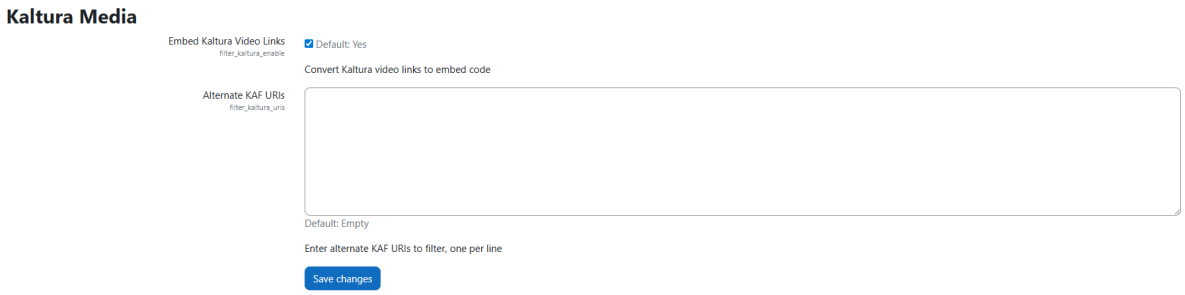
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4. Enable the **Kaltura Media** filter and click the **Settings** link.

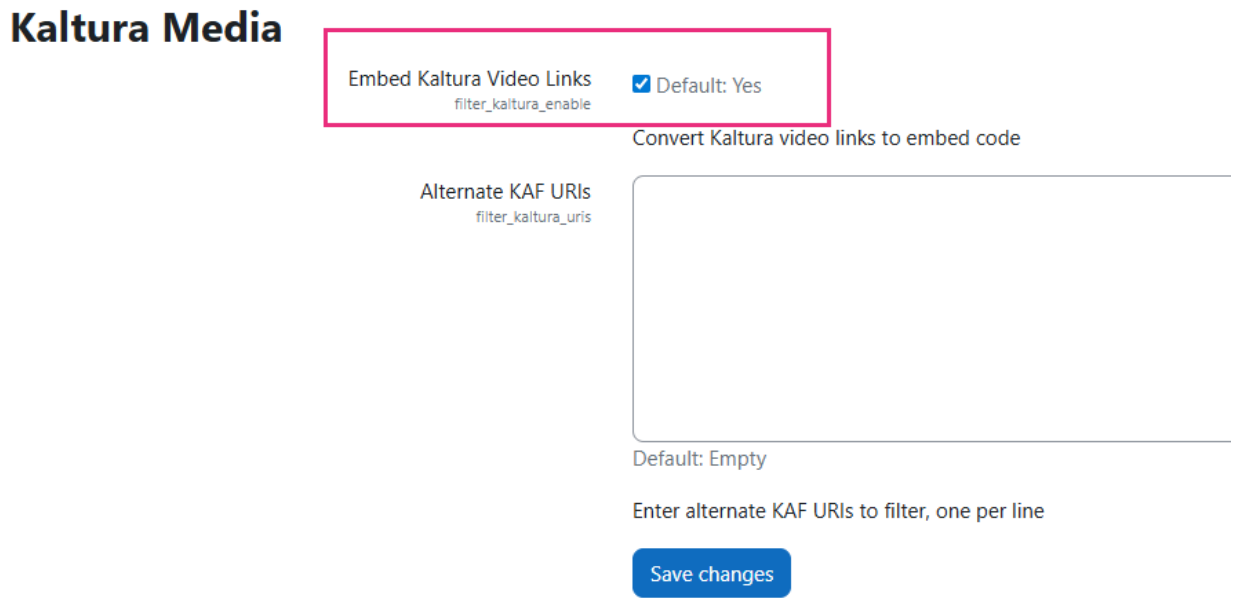


The Kaltura Media page displays.



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

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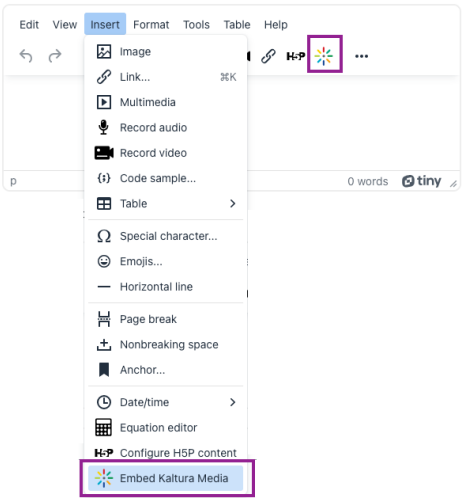


6. Click **Save changes**.

Add the Kaltura embed button to text editors

TinyMCE editor

The Kaltura embed buttons are added automatically to the **TinyMCE** editor in two places. No additional setup is required.

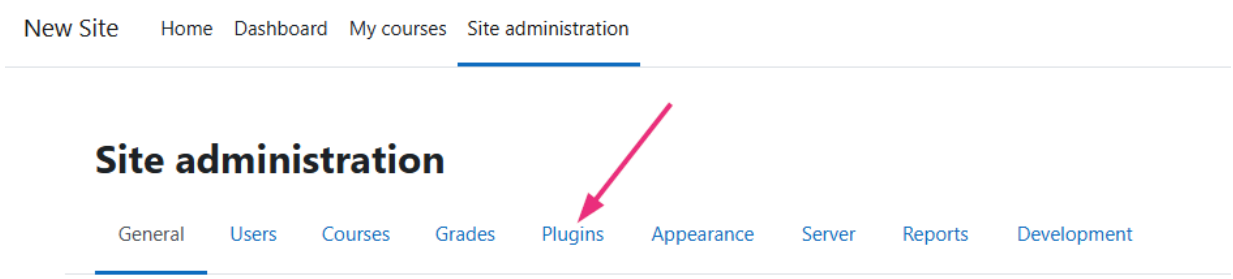


Atto editor

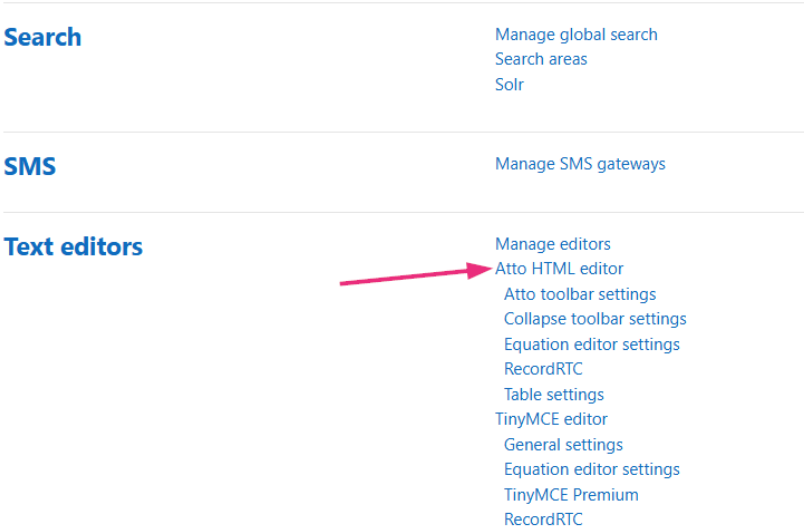
This section applies only if your Moodle site uses the Atto editor. If your site uses only TinyMCE, skip this section.

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

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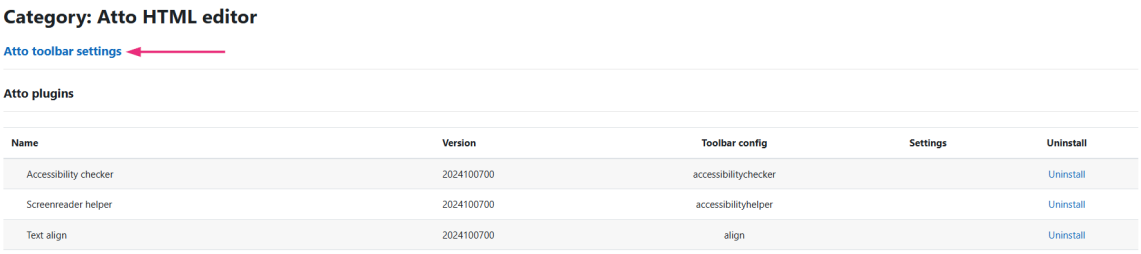


2. On the 'Plugins' page, scroll down to the **Text editors** section and select **Atto HTML editor**.



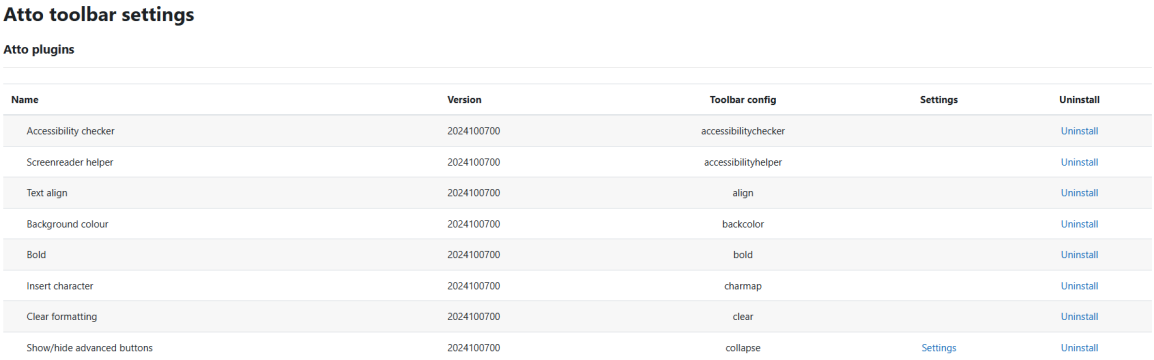
The 'Atto HTML editor' page displays.

3. Click **Atto toolbar settings**.

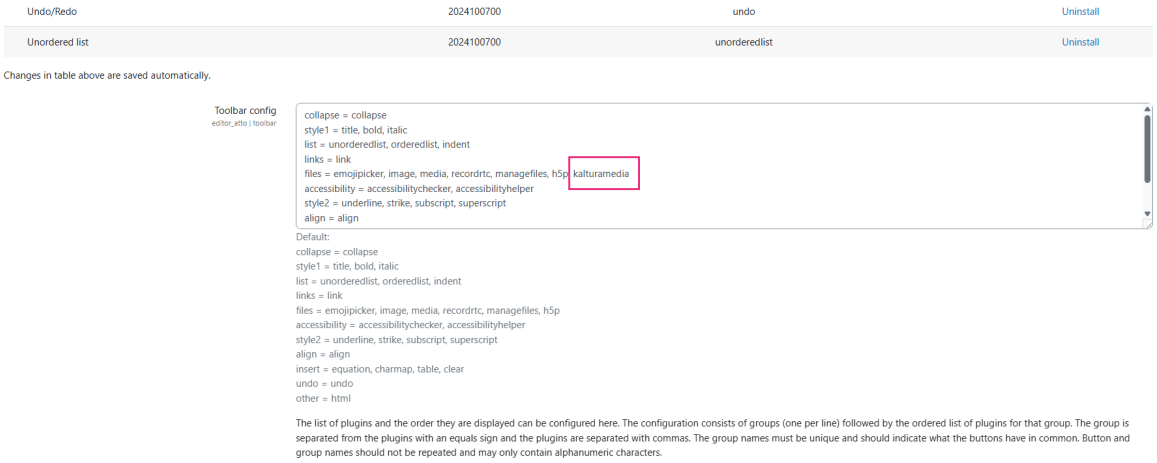


The 'Atto toolbar settings' page displays.

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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.



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). You can control where the My Media link appears in the Moodle interface.

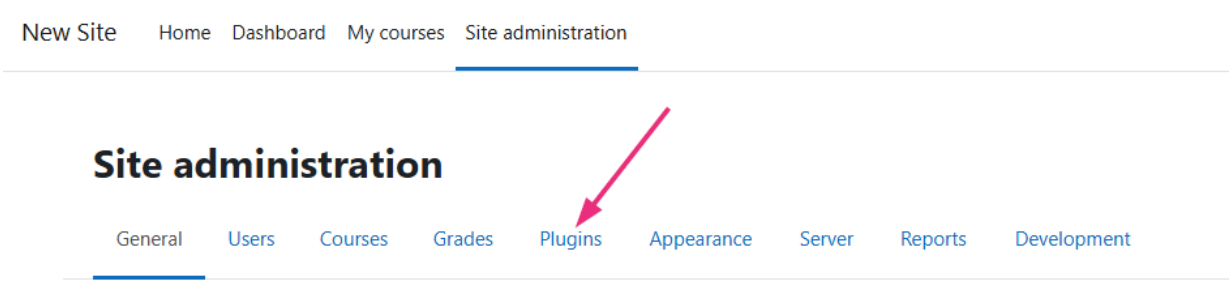
Available locations include:

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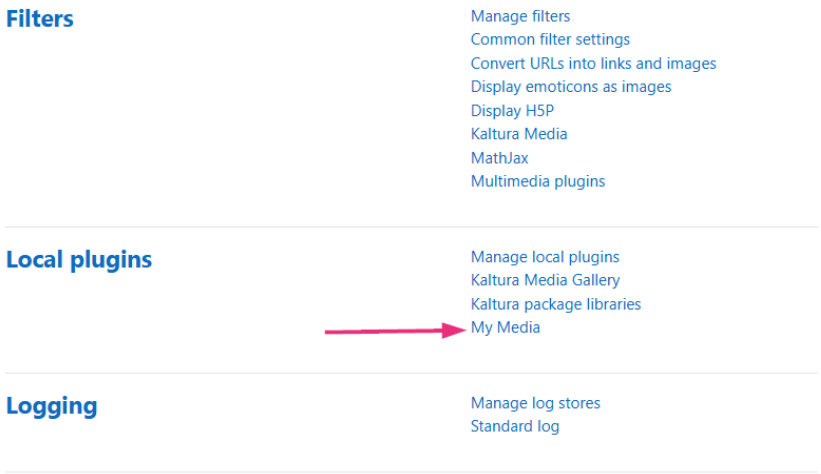
- Top navigation menu
- Side navigation menu
- User navigation menu

To configure where the 'My Media' link appears:

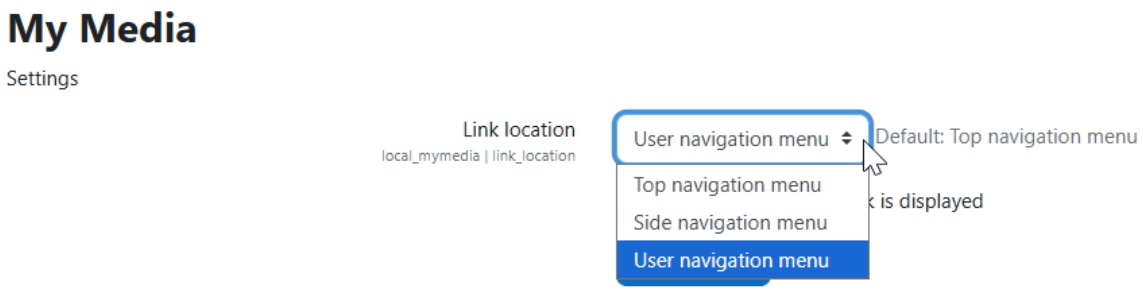
1. Go to your Moodle **Site administration** and select **Plugins**.



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



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



4. Click **Save changes**.

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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.

Media Gallery navigation using Boost theme

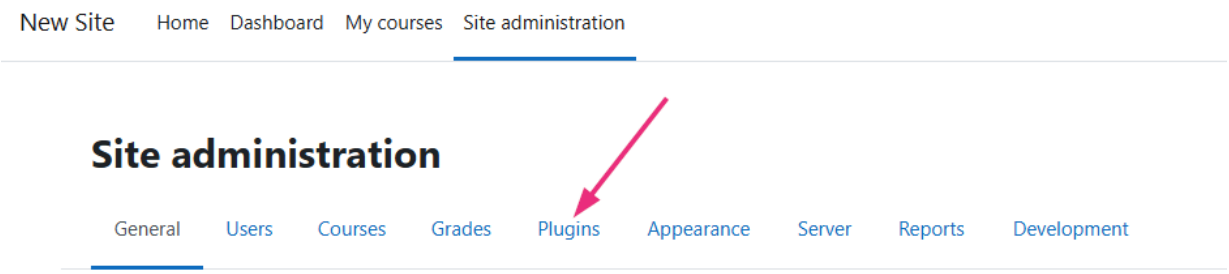
Boost is the default Moodle theme in Moodle 4.x. It uses a different navigation layout than older Moodle themes, which can affect where course links appear.

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

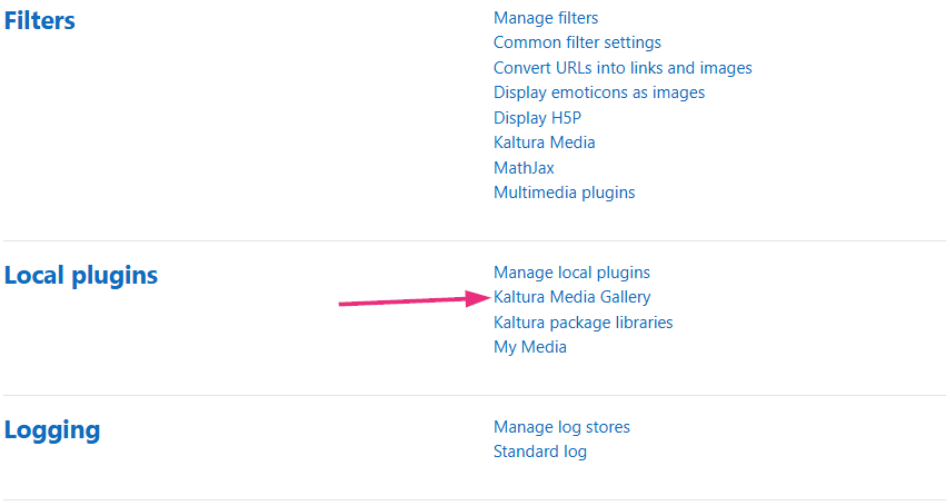
To configure where the 'Media Gallery' link appears:

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

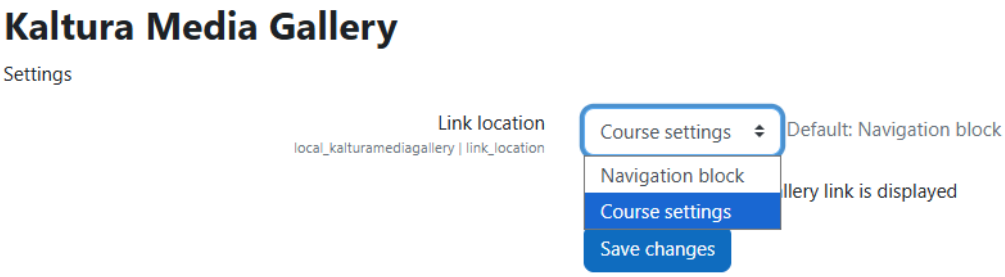


2. On the 'Plugins' page, scroll down to the **Local plugins** section and select **Kaltura Media Gallery**.

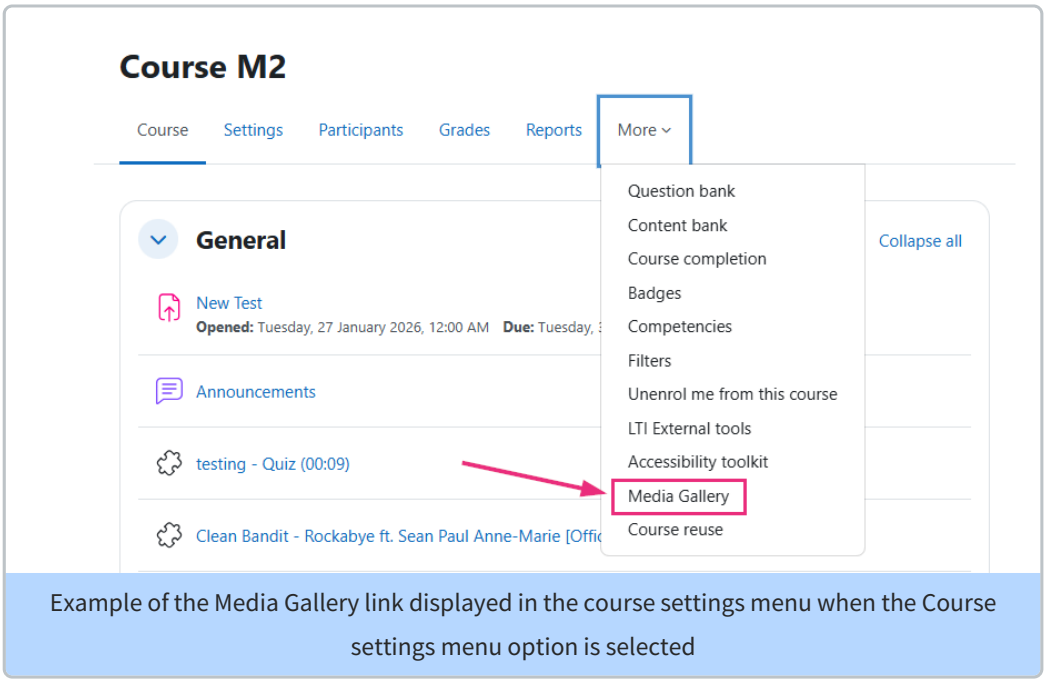
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3. In the **Link location** dropdown, select where you want the **Kaltura Media Gallery** link to appear.



4. Click **Save changes**.



Example of the Media Gallery link displayed in the course settings menu when the Course settings menu option is selected

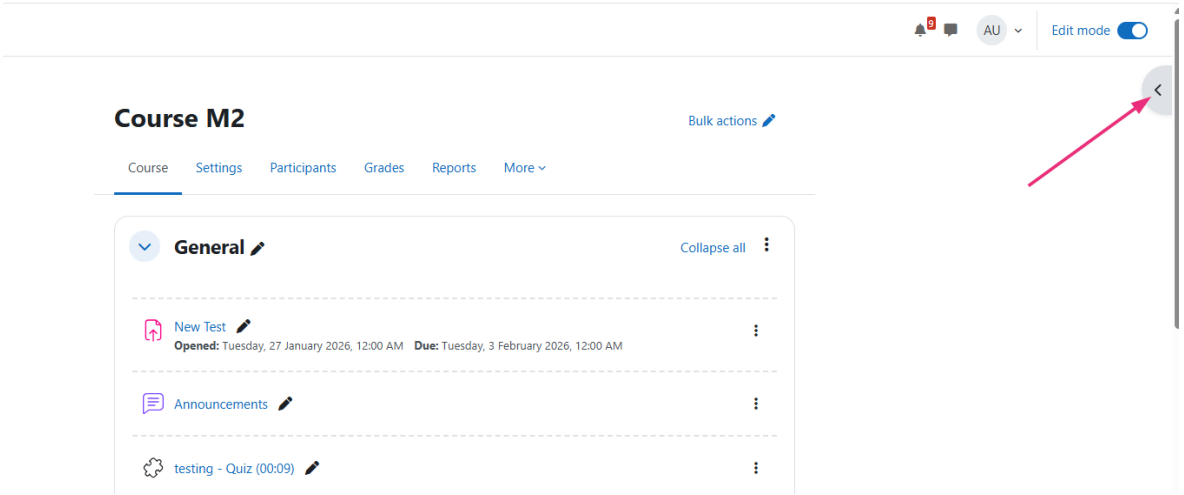
Add the Media Gallery as a separate block

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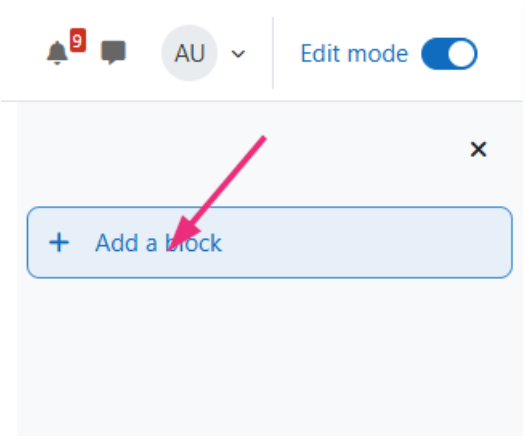
In addition to displaying the Media Gallery link in navigation, you can add the Media Gallery as its own block within a course that appears in the course side panel.

Adding the block can be done regardless of the Media Gallery link location you selected.

1. Open the course where you want the Media Gallery block to appear (you must have editing permissions for the course).
2. In the top-right corner of the course page, toggle on **Edit mode**.
3. Click the arrow on the right side of the page to open the block drawer.



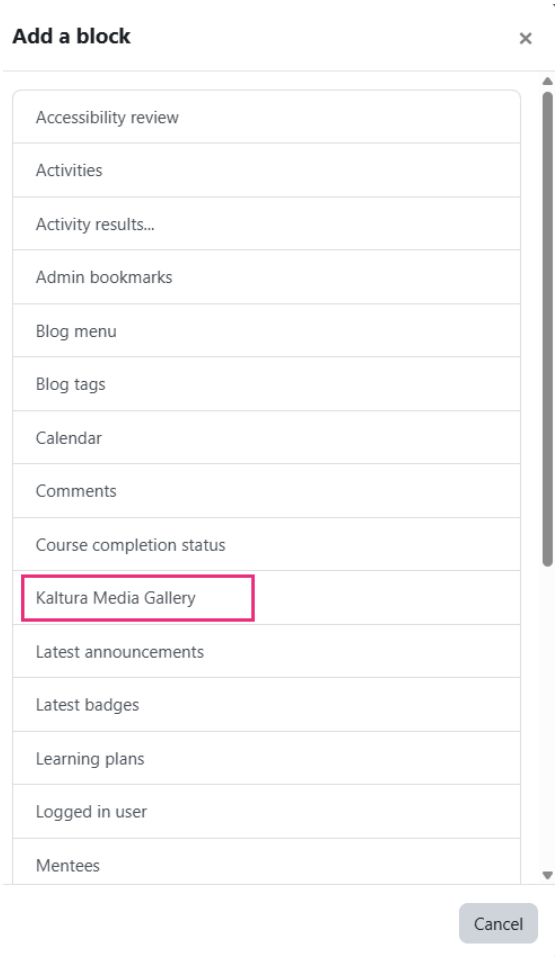
4. Click **Add a block**.



The 'Add a block' window opens.

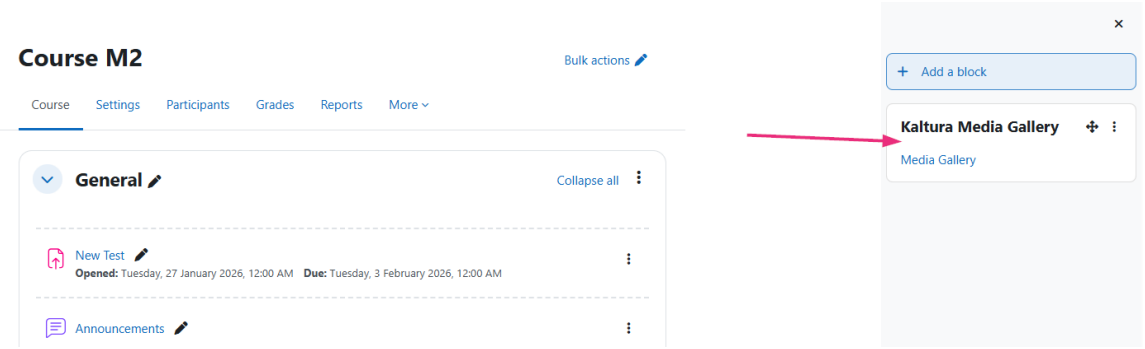
5. Select **Kaltura Media Gallery**.

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6. Select **Kaltura Media Gallery**.

   The new block appears in the course side panel.



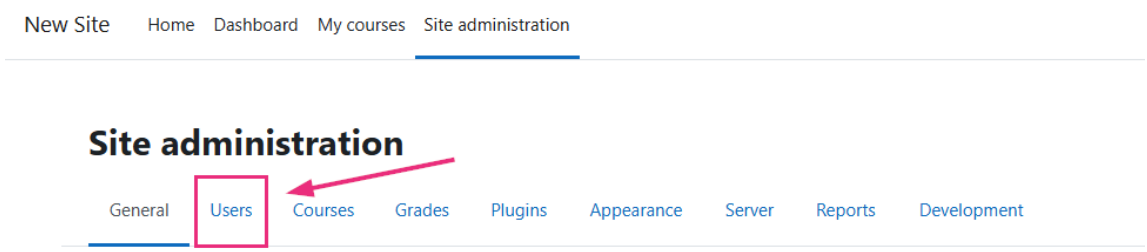
Roles and permissions

Moodle roles control access to Kaltura features and allowed actions.

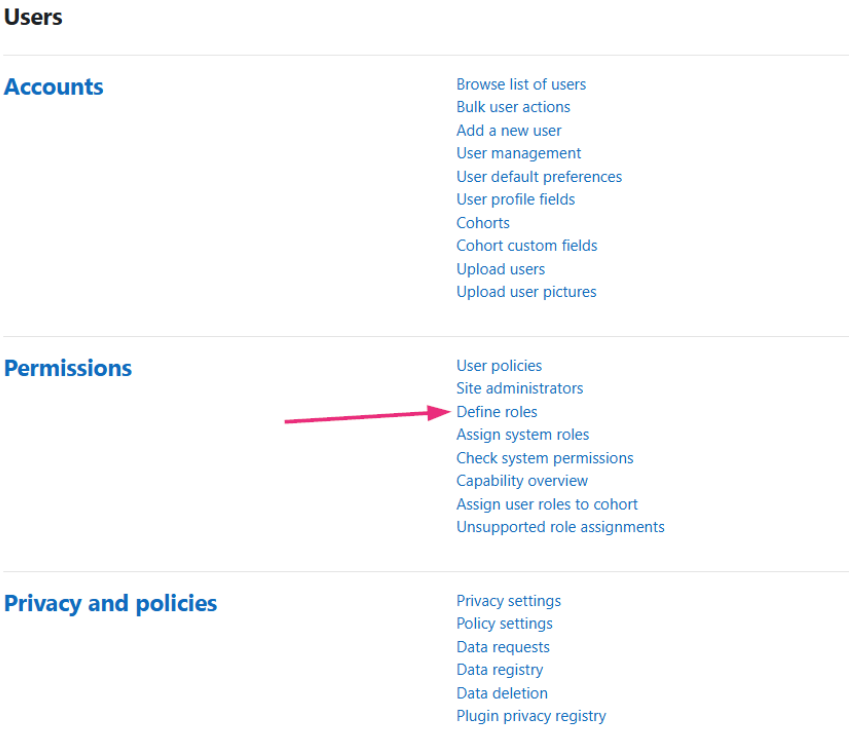
To define roles:

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

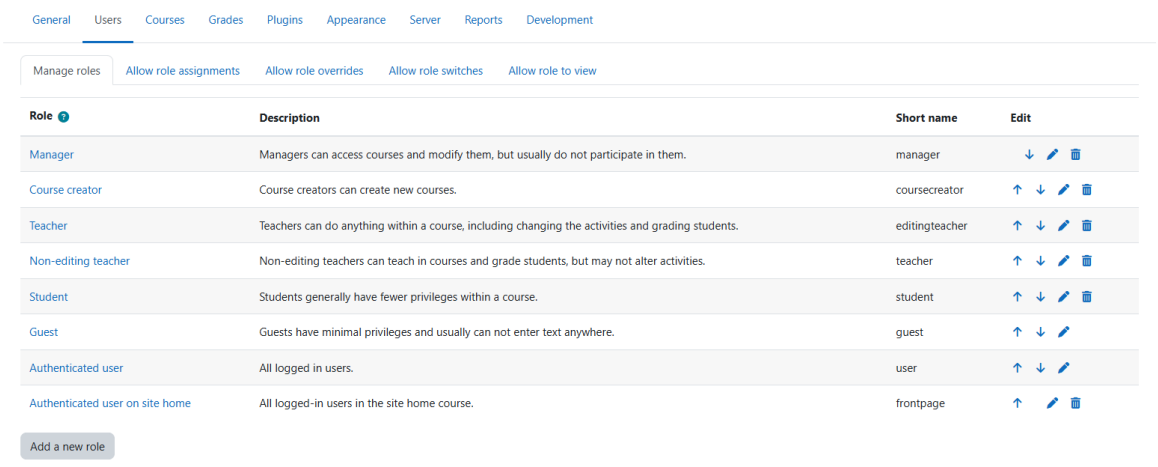
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2. On the 'Users' page, scroll down to **Permissions** and select **Define roles**.

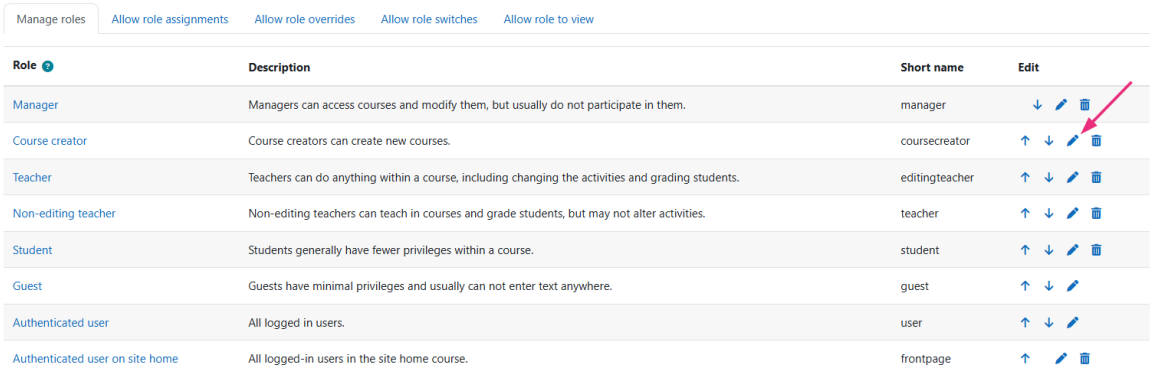


The 'Roles' page displays with a list of the standard roles and custom roles.

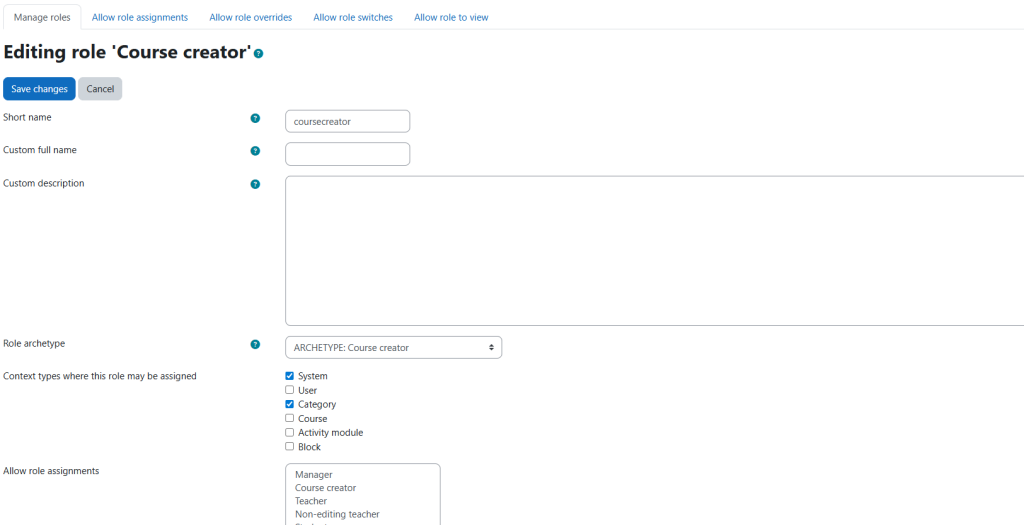


3. Locate the role you want to update and click the **pencil icon** at the end of the row.

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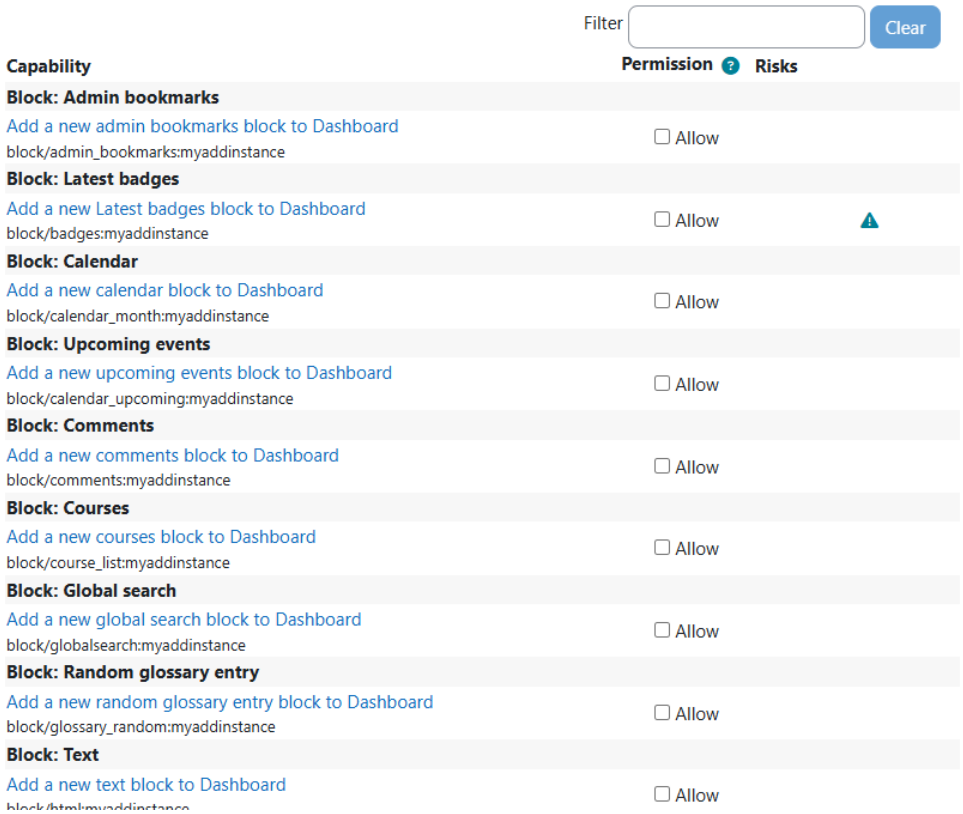


The edit role page opens.



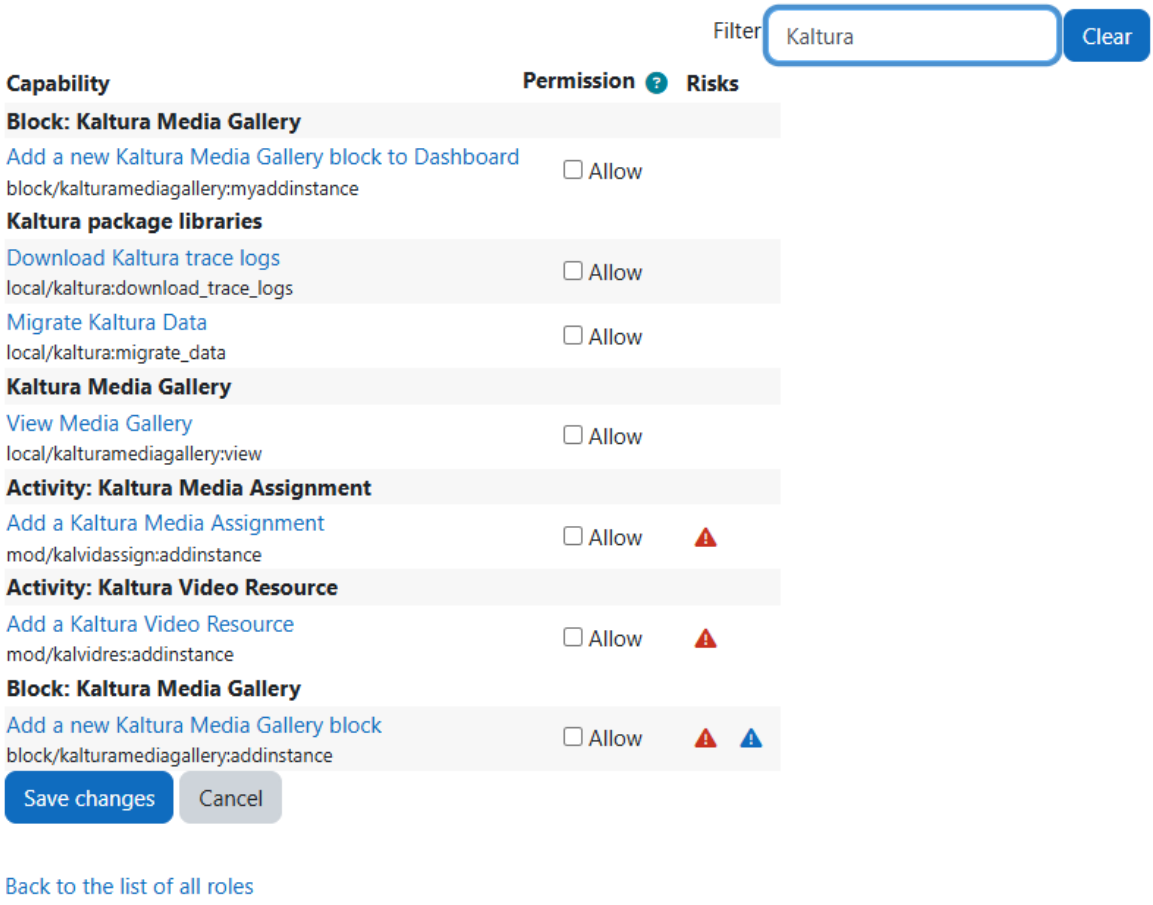
4. Scroll down to the **Capability** section.

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5. In the **Filter** field, type *Kaltura*.
6. Review the permissions related to the Kaltura LMS Video integration.

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7. Set the required permissions to **Allow**.
8. Click **Save changes**.

Available Kaltura permissions include:

- **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

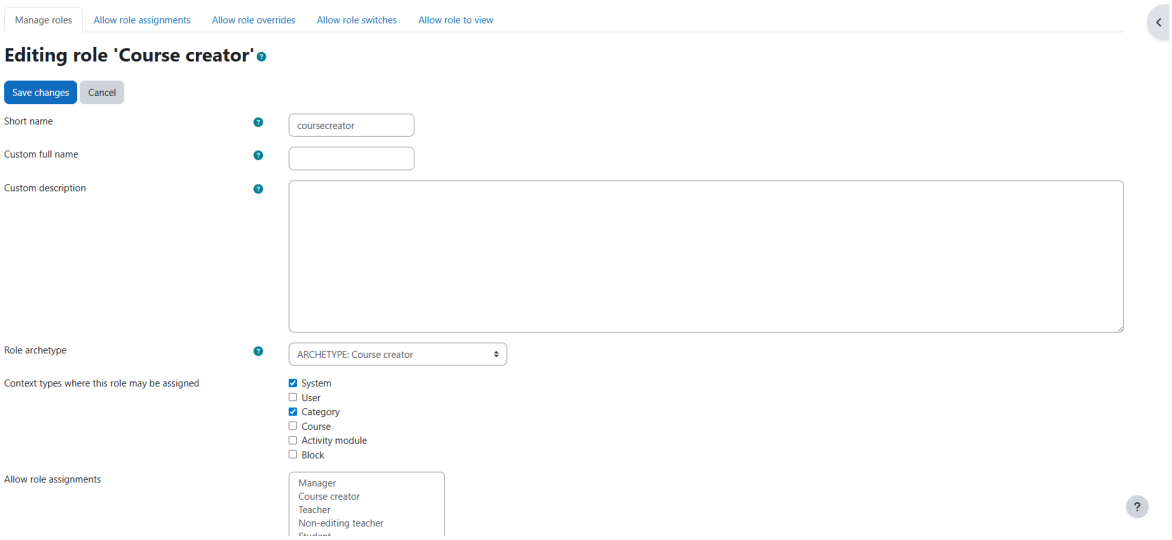
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- **Block: Kaltura Media Gallery**
  - Add a new Kaltura Media Gallery block
- **My Media**
  - View My Media page

Video Quiz Integration with Gradebook

To complete your Kaltura LMS Video integration, you must configure Video Quiz gradebook integration based on the LTI version you are using. Follow the appropriate guide:

- for LTI 1.1, see Kaltura Video Quiz Moodle Gradebook Integration with LTI 1.1 Deployment Guide.
- for LTI 1.3, see Kaltura Video Quiz Moodle Gradebook Integration with LTI 1.3 Deployment Guide.



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