

Upgrade Kaltura LMS Video integration for Moodle 4.x from LTI 1.1 to LTI 1.3

Last Modified on 05/06/2026 8:41 pm IDT

 This article is designated for administrators.

About

This guide explains how to upgrade an existing Kaltura LMS Video integration in **Moodle 4.x** from LTI 1.1 to LTI 1.3.

Before you start

Make sure the following are already in place:

- A working Kaltura LMS Video integration in Moodle using LTI 1.1
- Moodle version 4.0 or later
- Access to the [KAF Configuration Management console](#)
- Your [Kaltura Partner ID \(PID\)](#)
- Your KAF instance URL, for example: `https://12345.kaf.kaltura.com`

Backup your KAF Configuration

Before upgrading the integration from LTI 1.1 to LTI 1.3, back up your current KAF configuration.

1. Log into your Configuration Management console (`https://{your_KAF_base_URL}/admin`).
2. Under **Server Tools**, click **Backup Configuration**.

Configuration Management

Server Tools

Backup Configuration

Player replacement tool

Global

Application

AddNew

Auth

Categories

Channels

Client

Debug

Application

instanceld	3
privacyContext	
userRoleProfile	17242423
virtualEventId	

3. Click **Save Backup**.

MANAGE CONFIGURATION MANAGE USERS MANAGE GROUPS KNOWLEDGE BASE CLEAR THE CACHE GO TO SITE

Backup Configuration

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Backup Configuration

Player replacement tool

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Categories

Create a snapshot of the current site configuration (all modules) as a 'Last Good Configuration'. This snapshot can be later used in case a configuration restore is needed. We recommend setting the backup snapshot once the initial setup is completed.

There are no backups.

Save Backup Restore Last Saved Configuration

4. In the Configuration Backup popup, click **Yes, Save**.

A confirmation message displays: *Configuration file was saved successfully.*

5. In the Configuration Backup popup, click **OK**.

A message displays on the Backup Configuration page listing the last configuration save date.

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Create a snapshot of the current site configuration (all modules) as a 'Last Good Configuration'. This snapshot can be later used in case a configuration restore is needed. We recommend setting the backup snapshot once the initial setup is completed.

Last configuration save date: 2026-02-05 08:43:50 GMT

Save Backup Restore Last Saved Configuration

The following sections provide the steps to enable LTI 1.3 in KAF and configure the settings:

Step 1: Configure LTI 1.3 in 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.

ModulesCustom / core / kaf

Browseandembed

Hosted 

Hostedrelated

Ltigrading

Moodle

The 'Hosted' page displays.

MANAGE CONFIGURATION MANAGE USERS MANAGE GROUPS KNOWLEDGE BASE CLEAR THE CACHE GO TO SITE

Configuration Management

<p>Server Tools</p> <ul style="list-style-type: none"> Backup Configuration Player replacement tool <p>Global</p> <ul style="list-style-type: none"> Application AddNew Auth Categories Channels Client Debug EmailService EmailTemplates Gallery Header Icalendar Languages Login MediaCollaboration Metadata Moderation My-media Navigation Player PlaylistPage Recaptcha Search Security SharedRepositories UserSelect Widgets 	<p>Hosted</p> <table border="1"> <tr> <td>enabled</td> <td><input type="button" value="Yes"/></td> <td>Enable the Hosted module.</td> </tr> <tr> <td>enableLike</td> <td><input type="button" value="Yes"/></td> <td>Enable the 'Like' feature for entries.</td> </tr> <tr> <td>allowEditPublished</td> <td><input type="button" value="No"/></td> <td>Enable editing of published entries</td> </tr> <tr> <td>allowDeletePublished</td> <td><input type="button" value="No"/></td> <td>Enable deletion of published entries</td> </tr> <tr> <td>AllowUnpublishPublished</td> <td><input type="button" value="Yes"/></td> <td>Enable unpublishing of published entries</td> </tr> <tr> <td>enableEntryDelete</td> <td><input type="button" value="Yes"/></td> <td>Enable deleting media</td> </tr> <tr> <td>enableViews</td> <td><input type="button" value="No"/></td> <td>Enable showing number of views per entry.</td> </tr> <tr> <td>showPageTitles</td> <td><input type="button" value="Yes"/></td> <td>Show page titles</td> </tr> <tr> <td>expandButton</td> <td><input type="button" value="Auto"/></td> <td>Player expand button. Auto is on only if there are modules providing an entry sidebar.</td> </tr> <tr> <td>manPublish</td> <td><input type="button" value="Yes"/></td> <td>Enable publish to a list of categories - from the menu, media, and upload. Disable this if you do not have access to the list of categories.</td> </tr> <tr> <td>authMethod</td> <td><input type="button" value="Iti"/></td> <td></td> </tr> <tr> <td>sharedRepositoryCategoryId</td> <td>235289443</td> <td>Shared repository category ID Click here to disable Shared Repositories</td> </tr> </table>	enabled	<input type="button" value="Yes"/>	Enable the Hosted module.	enableLike	<input type="button" value="Yes"/>	Enable the 'Like' feature for entries.	allowEditPublished	<input type="button" value="No"/>	Enable editing of published entries	allowDeletePublished	<input type="button" value="No"/>	Enable deletion of published entries	AllowUnpublishPublished	<input type="button" value="Yes"/>	Enable unpublishing of published entries	enableEntryDelete	<input type="button" value="Yes"/>	Enable deleting media	enableViews	<input type="button" value="No"/>	Enable showing number of views per entry.	showPageTitles	<input type="button" value="Yes"/>	Show page titles	expandButton	<input type="button" value="Auto"/>	Player expand button. Auto is on only if there are modules providing an entry sidebar.	manPublish	<input type="button" value="Yes"/>	Enable publish to a list of categories - from the menu, media, and upload. Disable this if you do not have access to the list of categories.	authMethod	<input type="button" value="Iti"/>		sharedRepositoryCategoryId	235289443	Shared repository category ID Click here to disable Shared Repositories
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authMethod	<input type="button" value="Iti"/>																																				
sharedRepositoryCategoryId	235289443	Shared repository category ID Click here to disable Shared Repositories																																			

2. Scroll down the page to the **authMethod** field and select **Iti 1.3**.

Hosted

enabled	<input type="button" value="Yes"/>	Enable the Hosted module.
enableLike	<input type="button" value="Yes"/>	Enable the 'Like' feature for entries.
allowEditPublished	<input type="button" value="No"/>	Enable editing of published entries
allowDeletePublished	<input type="button" value="No"/>	Enable deletion of published entries
AllowUnpublishPublished	<input type="button" value="Yes"/>	Enable unpublishing of published entries
enableEntryDelete	<input type="button" value="Yes"/>	Enable deleting media
enableViews	<input type="button" value="No"/>	Enable showing number of views per entry.
showPageTitles	<input type="button" value="Yes"/>	Show page titles
expandButton	<input type="button" value="Auto"/>	Player expand button. Auto is on only if there are modules providing an entry sidebar.
manPublish	<input type="button" value="Yes"/>	Enable publish to a list of categories - from the menu, media, and upload. Disable this if you do not have access to the list of categories.
authMethod	<input type="button" value="Iti"/>	
sharedRepositoryCategoryId	235289443	Shared repository category ID Click here to disable Shared Repositories

Additional fields display.

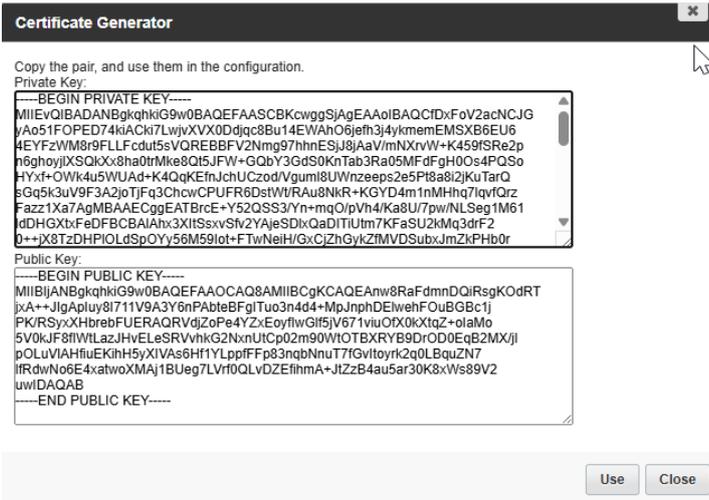
authMethod	<input type="text" value="lti1.3"/>	
lti13PlatformOidcAuthUrl	<input type="text"/>	Single endpoint at the platform domain (i.e. LMS) the tool will redirect the browser to, to initiate the OIDC authentication flow.
lti13AuthTokenUrl	<input type="text"/>	OAuth 2 auth token endpoint of the platform (KAF will use this to get access token to be able to call the relevant services on the platform, like ags, caller etc.)
lti13KeysUrl	<input type="text"/>	JWKS URL that contains the platform's key for JWT verification
lti13ClientId	<input type="text"/>	client ID for the tool as provided by the platform
lti13ServicePrivateKey	Service Private Key - this is used to sign the JWT or other calls done from KAF to the platform like in Deep Linking Response. You can generate key pair here	
<div style="border: 1px solid black; width: 100%; height: 100%;"></div>		
lti13ServicePublicKey	Public key matching the above private key	

• 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.

lti13ServicePrivateKey Service Private Key - this is used to sign the JWT or other calls done from KAF to the platform like in Deep Linking Response.
You can [generate key pair here](#)

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



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

The private and public keys are automatically copied into the **Iti13ServicePrivateKey** and **Iti13ServicePublicKey** fields.

Iti13ServicePrivateKey

Service Private Key - this is used to sign the JWT or other calls done from KAF to the
You can [generate key pair here](#)

```
-----BEGIN PRIVATE KEY-----
MIIEVQIBADANBgkqhkiG9w0BAQEFAASCBKcwggSjAgEAAoIBAQCfDxFOv2acNCJG
yAo51FOPEd74kiACKi7LwVjvXV0DdjC8Bu14EWAHO6jefh3j4ykmemEM5X06EU6
4EYFzWM8r9FLLFcdut5sVQREBBFV2Nm97hhnESj8jAaV/mNxrVw+K459fSRe2p
n6ghoyjLXSQkXx8ha0trMke8Qf5JFW+GQbY3GdS0KnTab3Ra05MFdFgH00s4PQSo
Hyxf+OWk4u5WUAd+K4QqKefnJchUCzod/Vgum8UWnzeePs2e5P8a8i2jKuTarQ
sGq5k3uV9F3A2jotJfQ3ChcwCPUFR6DStWVRau8Nkr+KGYD4m1nMhhq7lqvTQrZ
Fazz1Xa7AgMBAAEcggEATBrcE+Y52QSS3/Yn+mqO/pVh4/Ka8U/7pw/NLSeg1M61
ldDHGXtFDFBCBAIAhx3XItSsv5fV2YAjE5DlxQADITLUtm7KFaSU2Kmq3drF2
0++jX8TzDHPLOldSpOYy56M59lot+FTwNeiH/GxCjZhGyKZfMVDSubxJmZkPHb0r
-----END PRIVATE KEY-----
```

Iti13ServicePublicKey

Public key matching the above private key

```
-----BEGIN PUBLIC KEY-----
MIIBIjANBgkqhkiG9w0BAQEFAAOCAQ8AMIIBCgKCAQEAnw8RaFdmnDQIRsgKodRT
jxA++JlgApIuy8I711V9A3Y6nPAbteBfgITuo3n4d4+MpJnphDElwehFOuBGBc1j
PK/R5yxXhbrebFUERAQRVdZjPe4YzEoyfIwG1f5jV671vUoFX0kXtqZ+oIaMo
5V0kJf8fIwTLaZjHvELEsRvvhkG2NxnUtCp02m90wtOTBXYB9DrOD0EqB2MX/j1
pOLuVIAHfiuEKih5yXIVAs6Hf1YlppfFp83nqbNnuT7FgVtoyrk2q0LBquZn7
lFRdwNo6E4xatwoXMAj1BUeg7LVrF0QLvDZEfihmA+JtZB4au5ar30K8xWs89V2
uwIDAQAB
-----END PUBLIC KEY-----
```

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

Step 2: Configure Moodle to use LTI 1.3

1. Go to **Site administration**.
2. Use the search field to locate **Kaltura package libraries**.

Site administration
 
[General](#) [Users](#) [Courses](#) [Grades](#) [Plugins](#) [Appearance](#) [Server](#) [Reports](#) [Development](#)
Search results
[Kaltura package libraries](#)
[Administration](#) / [Plugins](#) / [Local plugins](#) / [Kaltura package libraries](#)

- 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.)

KAF configuration

<https://220-22.kaf.nvq2.mediaspace.kaltura.com/admin>

KAF URI
local_kaltura | kaf_uri 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).

LTI Version
local_kaltura | lti_version Default: LTI 1.0/1.1

Choose which LTI version the account works with

Partner id
local_kaltura | partner_id Default: Empty

Enter the partner id for your account.

Client ID
 Should be used in the KAF hosted module

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](#).

Clone Submissions
local_kaltura | enable_submission Default: No

If enabled, any media submitted via the Kaltura Video Submission flow will be cloned under a different user name to prevent editing and deletion.

Guest support
local_kaltura | guest_support Default: Yes

If enabled, use Moodle's ability to identify guests and non-logged in users, and provide them with the 'Guest' LTI role.

Core settings

- 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 LTI 1.3.

- **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](#).
- **Client ID** - This field is populated automatically by Moodle. You will copy this value in Step 3.
- **Enable trace logging** - Checked

Optional settings

- **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

In this step, you finish the LTI 1.3 setup by copying the Client ID from Moodle into KAF.

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

Kaltura package libraries

KAF configuration

<https://220-22.kaf.nvq2.mediaspace.kaltura.com/admin>

KAF URI
local_kaltura | kaf_uri 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).

LTI Version
local_kaltura | lti_version Default: LTI 1.0/1.1
Choose which LTI version the account works with

Partner id
local_kaltura | partner_id Default: Empty
Enter the partner id for your account.

Client ID Should be used in the KAF hosted module

Enable trace logging
local_kaltura | enable_logging Default: No

- Return to the Hosted module in the Configuration Management console, and paste the Client ID into the **Iti13ClientId** field ([see above](#)).

Iti13ClientId		<input type="text"/>	client ID for the tool as provided by the platform
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- Scroll to the bottom of the page and click **Save**.

This completes the upgrade of the Kaltura LMS Video integration from LTI 1.1 to LTI 1.3.

Upgrade the Kaltura Video Quiz integration

If you use Kaltura Video Quizzes with Moodle, you must also update the Video Quiz gradebook integration to match your LTI version. See [Kaltura Video Quiz Moodle Gradebook Integration with LTI 1.3 Deployment Guide](#) for guidance.
