

Kaltura LMS integration for Moodle - Upgrading from LTI 1.1 to LTI 1.3

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Overview

This guide details the steps required to install the Kaltura Video Package 4.4.6 for Moodle 4.0 and later. The Kaltura Video package 4.4.6 supports both LTI 1.1 and LTI 1.3 for Moodle 4.x, so you can upgrade your Moodle version into 4.x separately from upgrading the version of your LTI integration. This guide is intended for Moodle and Kaltura administrators.

Prerequisites

- A Kaltura account:
 - Partner ID ("pid"), e.g.,
 - Admin secret, e.g.,
- A Kaltura Application Framework (KAF) instance URL, e.g., https://12345.kaf.kaltura.com
- Minimum Moodle version 4.x

Before You Begin

Backup your KAF Configuration

Before upgrading your Kaltura Video App for Moodle Kaltura Application Framework (KAF) from LTI 1.1 to LTI 1.3, please perform the following:

- Login to your KAF Configuration Management page (https://{your_KAF_base_URL}/admin).
- 2. Under Server Tools, click on Backup Configuration.

| Configuration Management | | | | |
|--------------------------------------|-------------|--|--|--|
| Server Tools Backup Configuration | Application | | | |
| Global Application | instanceld | | | |

- 3. Click Save Backup.
- 4. In the Configuration Backup popup, click Yes, Save.

The Configuration Backup displays **"Configuration file was saved successfully."**

A message displays on the Backup Configuration page listing the Last



Configuration save date.

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

Start the Upgrade Process in KAF

This section describes how to deploy the Kaltura Video App for Moodle.

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

- Login to your KAF Configuration Management page (https://{your_KAF_base_URL}/admin).
- Navigate to the Hosted module (https://{your_KAF_base_URL}/admin/config/tab/hosted).
- 3. Set the **authMethod** field = "Iti1.3". This displays the fields listed in steps 4 8.
- Set Iti13PlatformOidcAuthUrl = https://{your_Moodle_domain}/local/kaltura/auth.php
- 5. Set **lti13AuthTokenUrl** = *https://{your_Moodle_domain}/mod/lti/token.php*
- 6. Set **lti13KeysUrl** = *https://{your_Moodle_domain}/mod/lti/certs.php*
- 7. Iti13ClientId will be set later on after the configuration of the Moodle plugin.
- 8. Scroll down to the **Iti13service** section and click the link to generate a key pair.

| 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 <u>generate key pair here</u> |
|------------------------|---|
| | |
| | |

9. In the **Certificate Generator** frame, click **Use** to have the key pair saved to the **Iti13ServicePrivateKey** and **Iti13ServicePublicKey** fields.



| Copy the pair, and use them in the configuration. Private Key: | | |
|---|---|--|
| BEGIN PRIVATE KEY MIIEvwIBADANBgkqhkiG9w0BAQEFAASCBKkwggSIAgEAAoIBAQDqtD7QTn8sVSXo eNFFRQFfj1wAn9W/qjeUg0FOKm45HOCuxpv6mGbTsY1Mk3RC0RZ/46kWWozJJJk SR13G4pAvNbOPkZSrI8ABRvklvTsHjErrZGPJ2xLvQrC6gDA//tw+sbNjL33Upnk QsZ5TsGLMYTJkAiDJudEjWHIIUTAWK0r15XgeHfrLxkeXp4rJY4VUXTIewPR9NQo EqoKj++47eYy5JoKuQyT6T1Hjf6rhm3SZ83UO0P1ZbfUxOkGb23w3HxREockprac mRmwJD3v979/j9II1o81Jmz+HqDQyQ6ZhyI9mYYrOrhTR3mGIG4pjoiR1WXWsvie 7HO0/k5pAgMBAAECggEAd5/U4CESKotfneRubUrlj0mVQNDVDIcRIPbnEgE2aDlw MnKg3+frRdhZp+VyyhnfByv9DQFR4q1CPAEUFpAf4C0fotEU0LF1VDJGbDUQsoQU ebkqInc2eEfrAzt3IOcjxgrbZwrUDAm6zB/Ivy2H8iUUFBPocshSWZth+joSq6HM | • | |
| Public Key: BEGIN PUBLIC KEY MIIBIJANBgkqhkiG9w0BAQEFAAOCAQ8AMIIBCgKCAQEA6rQ+0E5/LFUI6HjRRUUB K449cAJ/Vv6o3IINBTipuORzgrsab+phm07GNTJN0QtEWf+OpFlqMySSZEkddxuK QLzWzj5GUq5fAAUb5Jb07B4xK62RjydsS70KwuoAwP/7cPrGzYy991KZ5ELGeU7B zGEyZAIgybnRI1hyCFEwFitKyOV4Hh36y8ZHI6eKyWOFVF05XsD0fTUKBKqCo/v JO3mMuSaCrkMk+k9R43+q4Zt0mfN1DtD9WW31MTpBm9t8Nx8URKHJKa2nJkZsCQ9 7/e/f4/ZZdaPNSZs/h6g0MkOmYcpfZmGKzq4U0d5hpRuKY6IkdV11rL4nuxztP50 aQIDAQAB END PUBLIC KEX | | |

10. Scroll to the bottom of the Hosted module settings and click **Save**.

Continue the Upgrade Process in Moodle

 In the Moodle site, go to the "Site Administration" area. Use the search bar to search for "Kaltura package libraries". Click "Kaltura package libraries" in the search results.



- 2. Enter the Kaltura credentials (or verify that they were entered correctly):
 - a. KAF URI: It should have the format https://[Instance ID].kaf.kaltura.com or the domain from the hostnames module. For example, https://12345.kaf.kaltura.com.



PLEASE NOTE: Do not include a trailing "/".

- b. **Server URI**: By default this should be *www.kaltura.com*. For most use cases, this should not need to change.
- c. Partner ID: This is your Kaltura account number also referred to as a Partner ID (PID). The PID can be found on the Integration Settings page of the Kaltura Management Console. For more information, see Integration Settings.
- d. LTI Version: LTI 1.3.
- e. Enable Trace Logging: Checked
- f. Enable Clone Submission: Unchecked (unless needed)
- g. Click 'Save changes'
- 3. When finished, the Kaltura Package Libraries page should look similar to the following:

| (AF configuration | | | |
|--|---|--|--|
| | https://123456.kaf.kaltura.com/admin | | |
| KAF URI local_kaltura kaf_uri | https://123456.kaf.kaltura.com Default: Empty | | |
| | Type in the server URI of your KAF instance. | | |
| Server URI loca_kaltura uri | www.kaltura.com 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 Iti_version | LTI 1.3 ¢ Default: LTI 1.0/1.1 | | |
| | Choose which LTI version the account works with | | |
| Partner id local_kaltura partner_id | 123456 Default: Empty | | |
| | Enter the partner id for your account. | | |
| Client ID local_kaltura client_id | Default: Empty | | |
| 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 ma affect Moodle performance. You may download a CSV file of the logs from here. | | |
| Clone Submissions | 🗆 Default: No | | |
| | If enabled, any media submitted via the Kaltura Video Submission flow will be cloned und a different user name to prevent editing and deletion. | | |
| | Save changes | | |

Copy the Client ID value and paste it into the KAF Hosted module's
 Iti13ClientId setting referenced in the beginning of the guide in step 7 (at
 https://{your_KAF_base_URL}/admin/config/tab/hosted), scroll to the bottom of the
 Hosted module settings and click Save.



Upgrade the Kaltura Video Quiz Integration

To complete your Kaltura deployment, please refer to Kaltura Video Quiz Moodle Gradebook Integration with LTI 1.3 Deployment Guide.

Moodle 4.x Changes from Earlier Versions

- 1. My Media moved to the Site Navigation (top menu)
- 2. Course Media Gallery can be shown as a course navigation block or in the Course settings menu

| L Home Dashboard My courses | Site administration My Media | AU · | Edit mode 🔘 |
|--|--|-----------------|-------------|
| Local plugins / Kaltura Media Galler | у | | < |
| Moodle | | Search | ٩ |
| General Users Courses | Grades Plugins Appearance | e Server More 🗸 | |
| Kaltura Media Galle Settings Link location local_kalturamediagatery1 link_location Survey | e settings Default: Navigation b ation block e settings llery link is displayed changes | olock | |