

# Kaltura Video Package 4.0 for Moodle

## Installation and Upgrade Guide

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Version: 4.0 for Moodle 2.8 - 3.0

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# Installing the Kaltura Video Package 4.0 for Moodle 2.8 – 3.0

This document details the steps required to install and upgrade the Kaltura Video Package 4.0 for Moodle 2.8 – 3.0.

If you are upgrading from Kaltura Video Package 3.0, follow the instructions in the [Upgrading from Kaltura Video Package for Moodle Version 3.0 to 4.0](#) section.

## Prerequisites

- A Kaltura account :
  - Partner id (“pid”), e.g., *12345678*
  - Admin secret, e.g., *f79359d3227f45be73c181489888afc5*
- A Kaltura Application Framework instance URL, for example, *12345678.kaf.kaltura.com*
- Minimum Moodle version 2.5.7 (Build: 2014102807)

## Installation Background

- Local plug-in used to:
  - Store configuration data and the Kaltura PHP client library (local/kaltura)
  - Display the user's *My Media* repository (local/mymedia)
- Video assignment module, equivalent to the video assignment type for the Kaltura plug-in for Moodle 2.x (mod/kalvidassign)
- Video resource module, equivalent to the video resource type for the Kaltura plug-in for Moodle 2.x (mod/kalvidres)
- Video presentation module, equivalent to the video presentation type for Kaltura plug-in for Moodle 2.x (mod/kalvidpres)
- Filter plug-in, used to display Kaltura video embed inside rich-text markups (filter/kaltura)

# Installation Process

## To install the Kaltura Video Package 4.0

1. Download the latest Kaltura Video Package to your Moodle root directory from [here](#).
2. Unzip the Kaltura Video Package.
3. Browse to the Moodle home screen and click Continue to install the Kaltura Video Package.

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	xmlrpc	① should be installed and enabled for best results The xmlrpc extension is needed for hub communication, and useful for web services and Moodle networking	Check
php_setting	opcache.enable	① PHP setting should be changed PHP opcache (which improves performance and lowers memory requirements, OPcache extension is recommended and fully supported)	Check
unicode		① must be installed and enabled	✓
database	mysql	① version 5.1.33 is required and you are running 5.5.16	✓
php		① version 5.3.3 is required and you are running 5.3.8	✓
php_extension	iconv	① should be installed and enabled for best results	✓
php_extension	mbstring	① should be installed and enabled for best results	✓
php_extension	curl	① must be installed and enabled	✓
php_extension	openssl	① should be installed and enabled for best results	✓
php_extension	tokenizer	① should be installed and enabled for best results	✓
php_extension	soap	① should be installed and enabled for best results	✓
php_extension	ctype	① must be installed and enabled	✓
php_extension	zip	① must be installed and enabled	✓
php_extension	zlib	① should be installed and enabled for best results	✓
php_extension	gd	① must be installed and enabled	✓
php_extension	simplexml	① must be installed and enabled	✓
php_extension	spl	① must be installed and enabled	✓
php_extension	pdo	① must be installed and enabled	✓
php_extension	dom	① must be installed and enabled	✓
php_extension	xml	① must be installed and enabled	✓
php_extension	intl	① should be installed and enabled for best results	✓
php_extension	json	① must be installed and enabled	✓
php_extension	hash	① must be installed and enabled	✓
php_setting	memory_limit	① recommended setting detected	✓
php_setting	safe_mode	① recommended setting detected	✓
php_setting	file_uploads	① recommended setting detected	✓

Your server environment meets all minimum requirements.

[Continue](#)

Installation is processed. When finished, the Continue button is displayed.

Success

tinymce\_moodleimage

Success

tinymce\_moodlemedia

Success

tinymce\_moodlenolink

Success

tinymce\_pwd

Success

tinymce\_spellchecker

Success

tinymce\_wrap

Success

local\_kaltura

Success

local\_kalturamediagallery

Success

local\_mymedia

Success

[Continue](#)

4. Fill in the relevant information and click Continue.

The screenshot shows the Moodle installation configuration page. The top section, 'New settings - Front page settings', includes fields for 'Full site name' (Moodle (KAF)) and 'Short name for site' (Moodle (KAF)). Below these is a 'Front page summary' text area with a rich text editor toolbar. A 'Path p' field is also present. The bottom section, 'New settings - Manage authentication', features a 'Self registration' dropdown menu set to 'Disable'. A warning message 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.

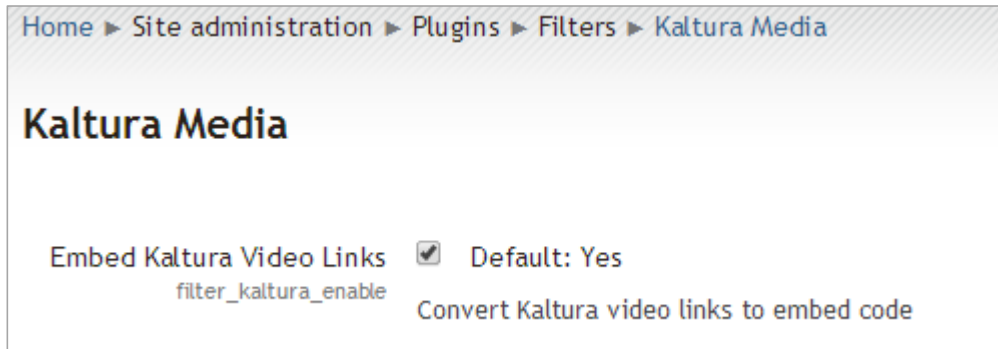
5. Click 'Save changes'.
6. Verify that the Kaltura credentials were entered correctly by clicking on 'Plug-ins' > 'Local Plug-ins' > 'Kaltura Package Libraries'. Be certain that 'Successfully logged in with credentials' is displayed under the Connection status heading.

The screenshot shows the 'Kaltura package libraries' configuration page in Moodle. The page title is 'Kaltura package libraries'. A warning message at the top states: 'Warning: the Partner id or Admin secret is empty. The Kaltura plug-ins will not work.' The configuration fields include: 'KAF URI' (local\_kaltura | kaf\_uri) with a default of 'Empty'; 'Server URI' (local\_kaltura | uri) with a default of 'www.kaltura.com'; 'Partner id' (local\_kaltura | partner\_id) with a default of '0'; 'Admin secret' (local\_kaltura | adminsecret) with a default of 'Empty'; 'Root category' (local\_kaltura | root\_category) with a default of 'Empty'; and 'Metadata profile id' (local\_kaltura | migration\_metadata\_profile\_id) with a default of '0'. There is also an 'Enable trace logging' checkbox with a default of 'No'. A 'Save changes' button is at the bottom.

## Set Up the Filter Plug-in

### To set up the filter plug in

1. After the installation is complete, navigate to Plug-ins → Filters → Manage Filters. Enable the Kaltura Media filter and click the Settings link.
2. Ensure that Embed Kaltura Video Links is checked. If not, check it.

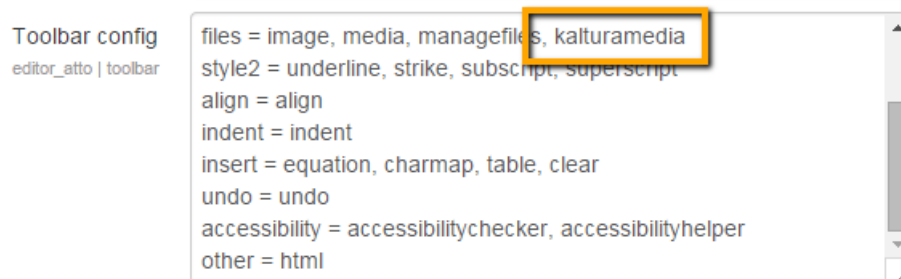


3. Click Save.

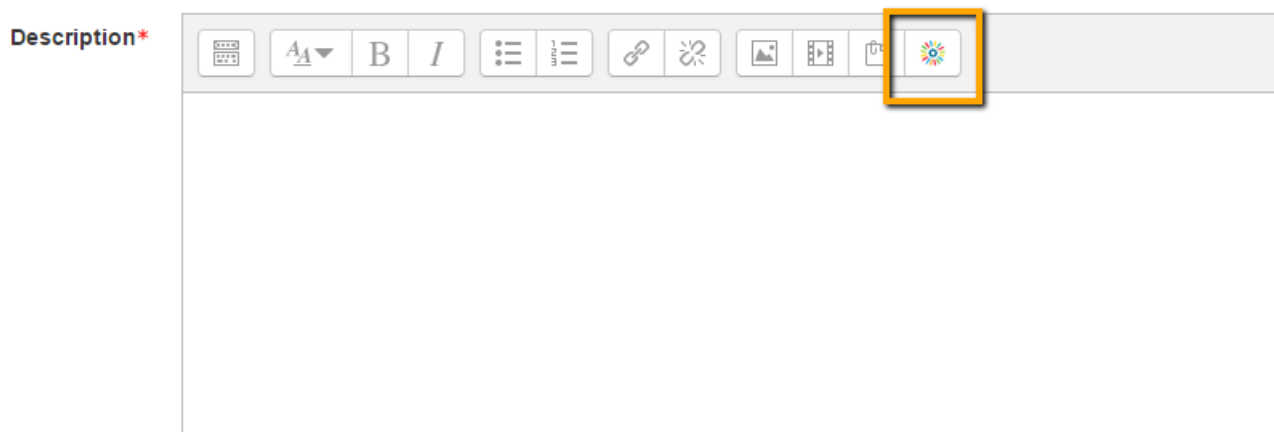
## Adding the Atto Text Editor

 To add the Kaltura embed button to the Atto text editor (Moodle 2.8 -3.0)

1. Login as administrator.
2. Go to Site administration → Plugins → Text editors → Atto HTML editor → Atto toolbar settings.
3. Under Toolbar config, add “**kalturamedia**” to any of the button groups. For example:



The “Embed Kaltura Video” is added to the Atto editor.



## My Media

No setup is required for My Media. Users can find the link to My Media under the My Home menu.

# Upgrading from Kaltura Video Package for Moodle Version 3.0 to 4.0



## IMPORTANT NOTE:

If upgrading the client's site:

- You must have Kaltura release 3.1.02 (RL: 2.6.1.1) (2014010901 or 2014102105) for Moodle 2.5 or Kaltura release 3.1.02 (RL: 2.5.1.7) (2013071808 or 2014102106) for Moodle 2.6. See [Verify the Kaltura Video Package Version on Moodle](#) for details.
- Please read the instructions about [Upgrading from Kaltura Video Package for Moodle from Version 3.0 to 4.0](#) for additional steps required to be performed on the KAF instance provided to you.

## Before You Begin

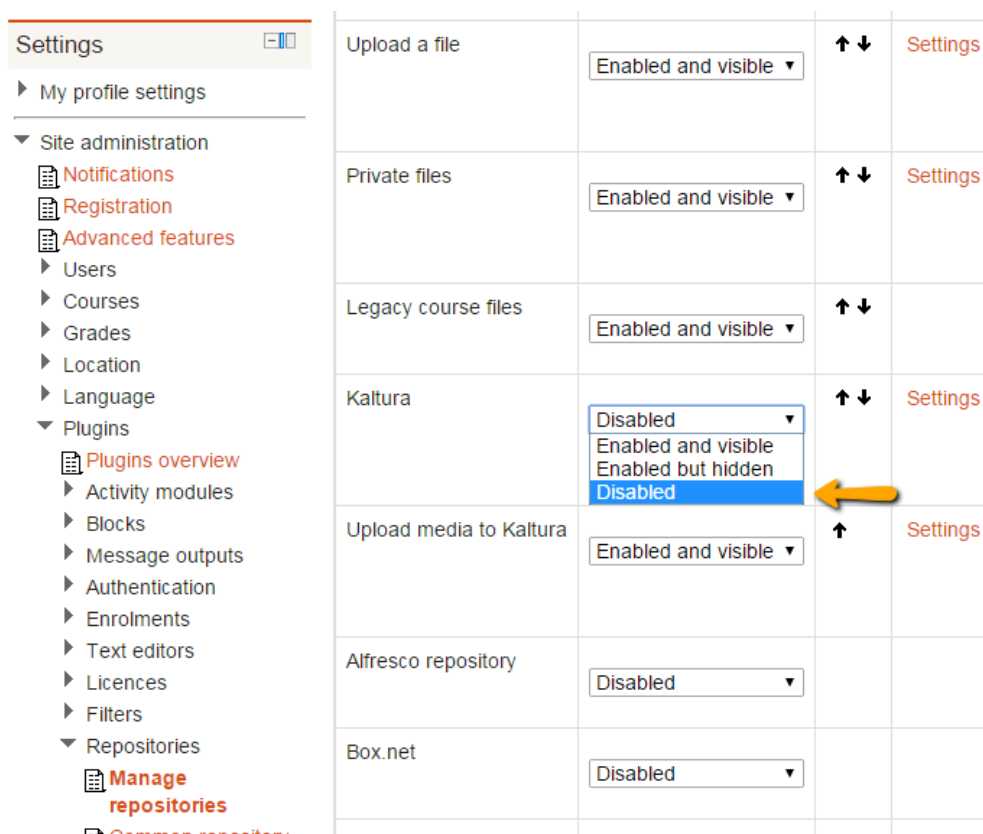
You must perform the following tasks before upgrading to the Kaltura Video Package for Version 4.0 to successfully upgrade the software.



### To begin the upgrade process

1. Create a backup of your Moodle 3.0 database.
2. Disable the Kaltura repository plugin.
  - a. Login as administrator.
  - b. Go to Settings → Site Administration → Plugins → Manage repositories.
  - c. Set **Kaltura** to 'Disabled'.





3. Delete the following folders from the Moodle folder:

- local/kaltura
- local/mymedia
- mod/kalvidres
- mod/kalvidpres
- mod/kalvidassign
- repository/kaltura
- filter/Kaltura

## Known Issues and Limitation for Migration

- Entries shared with multiple courses in V3 may not be migrated properly when running on PHP versions below 5.3.29.
- Video presentation resources may be migrated incorrectly if the video was also added via TinyMCE.
- You may need to exceed the KMC 32 category limitation during migration. The limitation may be enabled or disabled by Kaltura Customer Care only. Please contact [Kaltura Customer Care](#) to temporarily disable the 32 category limitation to allow the migration to complete successfully. You will need to schedule a down time for all other non KAF applications associated with the same partner Id to perform the migration. Kaltura Customer Care should reapply the KMC 32 category limitation after the migration is successfully completed.

## Upgrading Process

### To upgrade to version 4.0

1. After copying the Moodle 4.x code into your web server, copy the additional Kaltura modules. See Installation Process, and use your current Kaltura credentials.
2. Click 'Upgrade Moodle database now' to install the new package.

**Plugins check**

This page displays plugins that may require your attention during the upgrade. Highlighted items include new plugins that are about to be installed, updated plugins that are about to be upgraded and any missing plugins. Add-ons are highlighted if there is an available update for them. It is recommended that you check whether there are more recent versions of add-ons available and update their source code before continuing with this Moodle upgrade.

[Check for available updates](#)

**Number of plugins requiring your attention: 9**

[Display the full list of installed plugins](#)

Plugin name	Directory	Source	Current version	New version	Requires	Status
<b>Activity modules</b>						
Kaltura Media Assignment	/mod/kalvidassign	Add-on	2014010901	2014023000	Moodle 2013111801 local_kaltura (2014013000)	To be upgraded
Kaltura Video Presentation	/mod/kalvidpres	Add-on	2014010901	2014023000	Moodle 2013051400 local_kaltura (2014013000)	To be upgraded
Kaltura Video Resource	/mod/kalvidres	Add-on	2014010901	2014023000	Moodle 2013111801 local_kaltura (2014013000)	To be upgraded
<b>Text filters</b>						
Kaltura Media	/filter/kaltura	Add-on	2014010901	2014023000	Moodle 2013111801 local_kaltura (2014013000)	To be upgraded
<b>TinyMCE HTML editor / Plugins</b>						
Kaltura media	/lib/editor/tinymce/plugins/kalturamedia	Add-on		2014023000	Moodle 2013111801 local_kaltura (2014013000)	To be installed
<b>Repositories</b>						
kaltura		Add-on	2014010901			Missing from disk!
<b>Local plugins</b>						
Kaltura package libraries	/local/kaltura	Add-on	2014010901	2014023000 01	Moodle 2013111801	To be upgraded
Kaltura Media Gallery	/local/kalturamedia/gallery	Add-on		2014013000	Moodle 2013051400 local_kaltura (2014013000)	To be installed
My Media	/local/mymedia	Add-on	2014010901	2014023000	Moodle 2013111801 local_kaltura (2014013000)	To be upgraded

[Reload](#)

[Upgrade Moodle database now](#)

3. Review the upgraded modules and click 'Continue':

**Upgrading to new version**

<b>mod_kalvidassign</b>	Success
<b>mod_kalvidpres</b>	Success
<b>mod_kalvidres</b>	Success
<b>filter_kaltura</b>	Success
<b>tinymce_kalturamedia</b>	Success
<b>local_kaltura</b>	Success
<b>local_kalturamedia/gallery</b>	Success
<b>local_mymedia</b>	Success
<a href="#">Continue</a>	

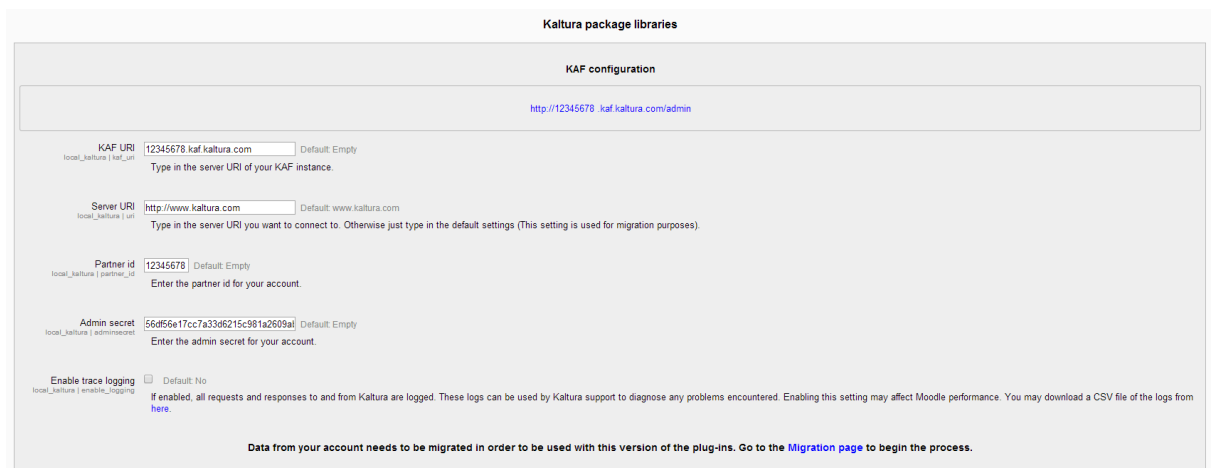
4. After the upgrade completes, insert the KAF URI in the Kaltura package libraries configuration.



**IMPORTANT NOTE:** Please make sure the KAF URI does not include http:// prefix and that it does not end with any trailing slashes ('/').for example:  
 “http://12345678.kaf.kaltura.com” and “12345678.kaf.kaltura.com/” are wrong examples.

5. Click Save Changes.

- Go back to the Kaltura package libraries (Site administration → Plugins → Local plugins → Kaltura package libraries). Make sure your account details appear correctly:



**Kaltura package libraries**

**KAF configuration**

<http://12345678.kaf.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).

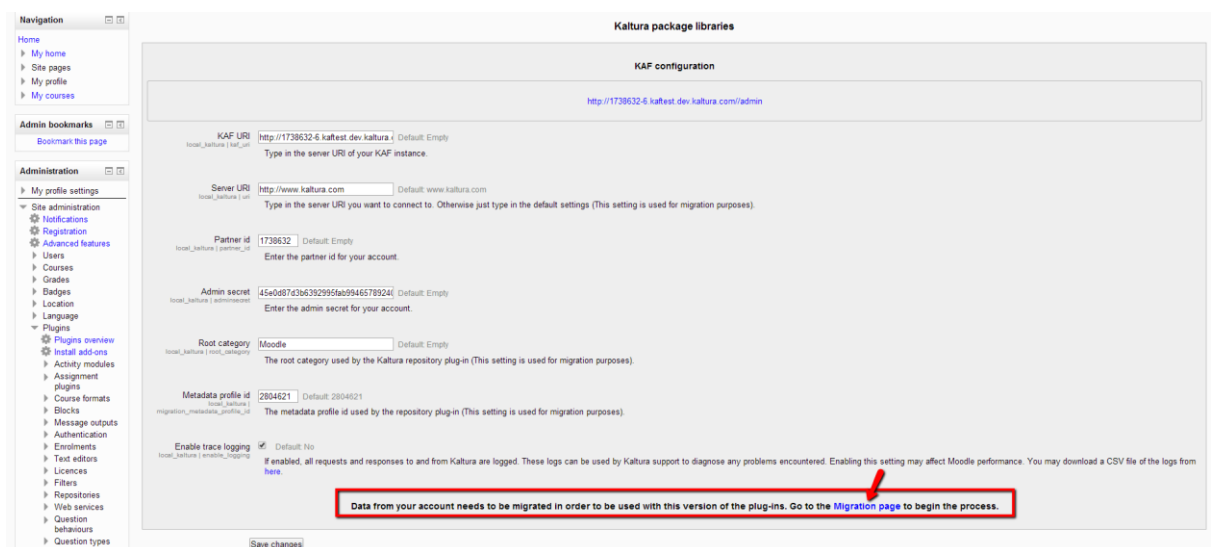
**Partner id** local\_kaltura | partner\_id  Default: Empty  
Enter the partner id for your account.

**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](#).

Data from your account needs to be migrated in order to be used with this version of the plug-ins. Go to the [Migration page](#) to begin the process.

- To start the migration of content, click on the link at the bottom of the Kaltura package libraries page:



**Kaltura package libraries**

**KAF configuration**

<http://1738632-6.kafest.dev.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).

**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.

**Root category** local\_kaltura | root\_category  Default: Empty  
The root category used by the Kaltura repository plug-in (This setting is used for migration purposes).

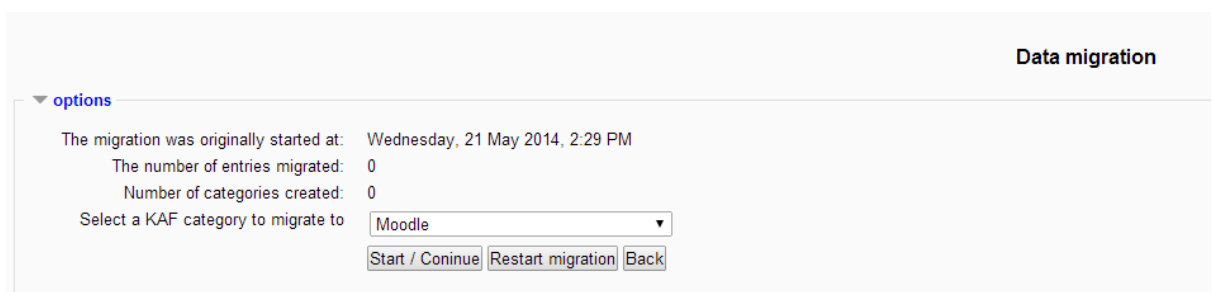
**Metadata profile id** local\_kaltura | migration\_metadata\_profile\_id  Default: 2804621  
The metadata profile id used by the repository plug-in (This setting is used for migration purposes).

**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](#).

Data from your account needs to be migrated in order to be used with this version of the plug-ins. Go to the [Migration page](#) to begin the process.

[Save changes](#)

- On the Data migration page select a KAF category to migrate to and click Start. This should be the category selected on your KAF instance. For more details, please refer to the [Kaltura Video Plugin V4 for Moodle Version 2.8, - 3.0 Setup Guide](#).



**Data migration**

**options**

The migration was originally started at: Wednesday, 21 May 2014, 2:29 PM

The number of entries migrated: 0

Number of categories created: 0

Select a KAF category to migrate to:

[Start / Continue](#) [Restart migration](#) [Back](#)

A message informing that the migration has been completed is displayed.

- Click Continue.

The migration has been completed.  
(Continue)

## Post-upgrade

- Ensure all of your assignments, video resources and presentations are located in the correct courses and that all of the videos play without any issues.
- Ensure video assignments grades are kept intact.

## Content Migration

V3 entries that were shared with the site will be transferred to Shared Repository category.

- V3 entries that were shared with course will be transferred to Kaltura Media Gallery of the specific course.
- V3 entries that were added by a specific user will be displayed on user's My Media page on V4.
- Kaltura video resources / assignments / presentations will be available at the same path they were on V3.
- Users, credentials and courses names will stay the same as they were on V3.

## Verify the Kaltura Video Package Version on Moodle

### To verify the Kaltura Video Package Version on Moodle

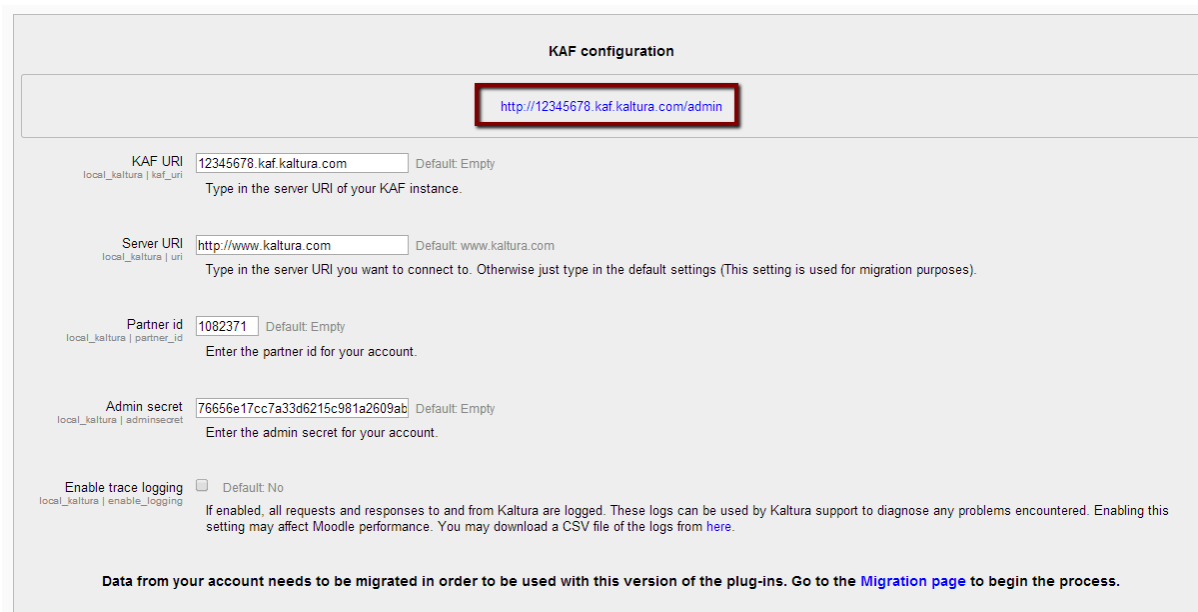
1. Log into your Moodle site as an administrator.
2. Go to the plugins overview page (Site administration → Plugins → Plugins overview).  
The following Kaltura plugins should appear:

Plugin name	Source	Version
Kaltura Media Assignment	Add-on	2014023000
Kaltura Video Presentation	Add-on	2014023000
Kaltura Video Resource	Add-on	2014023000
Kaltura media	Add-on	2014023000
Kaltura package libraries	Add-on	2014023000.01
Kaltura Media Gallery	Add-on	2014023000
My Media	Add-on	2014023000

# Mandatory Steps to Perform on the KAF Admin Console

 **To access your KAF instance Admin Console from within your Moodle site**

1. Go to Site administration → Plugins → Local plugins → Kaltura package libraries and clicking the URL at top of the page:



2. After installing/upgrading the Kaltura Video Package for Moodle you will need to specify the root category you created under the **Categories** module.

Module	Fields	Description
Categories	rootCategory	Select the category you created in the KMC.



**NOTE:** The root category should not be changed after the plugin is configured. It is okay to change the name of the root category from the KMC. It will automatically update in the KAF Admin Console.

Be certain that the sharedRepositoryCategoryId field is updated in the **Hosted** module. If it is not updated the following is displayed:

sharedRepositoryCategoryId 23011851

**Your shared repository category requires mandatory update!**  
[Click here to update](#)

3. Click “Click here to update” to update the Shared Repository.