Kaltura Video Building Block 3.0 for Blackboard 9.x

Quick Start Guide

Version: 3.0 for Blackboard 9.x

Kaltura
open source video

Kaltura Business Headquarters
200 Park Avenue South, New York, NY. 10003, USA
Tel.: +1 800 871 5224

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Preface

Audience

This guide is primarily intended for Blackboard administrators and faculty users. It contains useful information for the main usage flows and functionality of the Kaltura Video Building Block.

About this Guide

This guide describes how to setup, configure and use the the Kaltura Video Building Block for Blackboard.

Related Documentation

Kaltura Video Building Block for Blackboard Release Notes

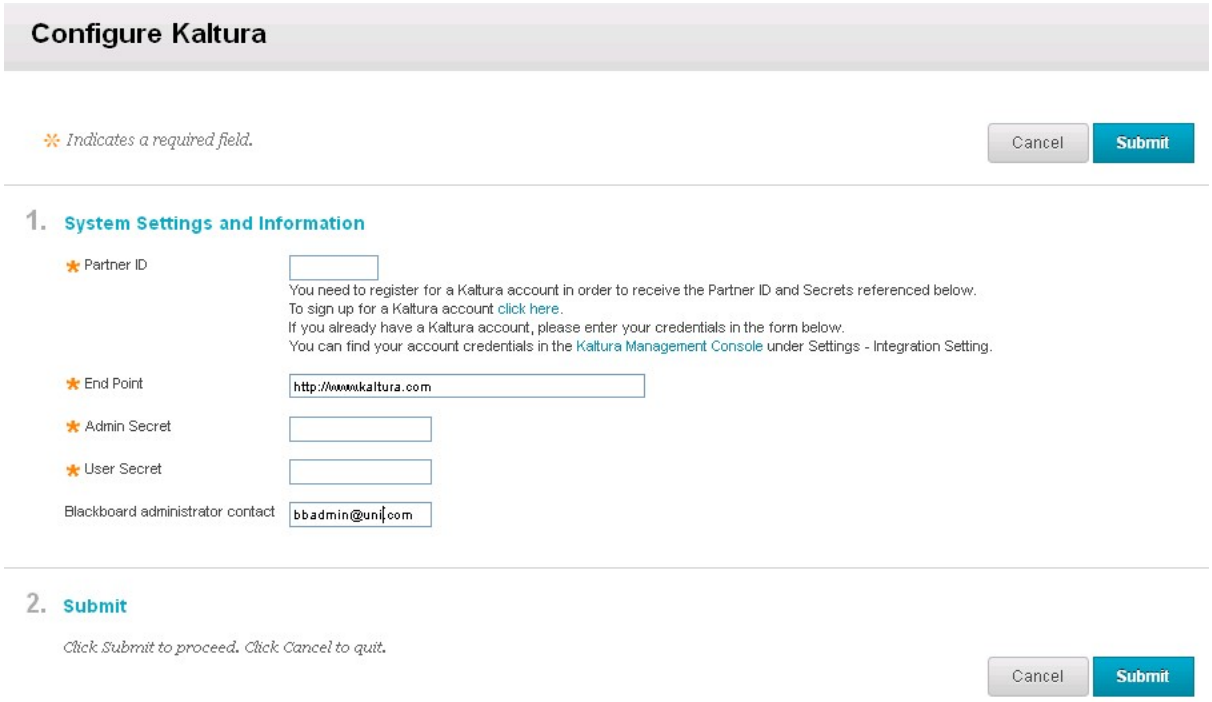
SECTION 1

Setting Up the Kaltura Video Building Block for Blackboard

After you upload the Kaltura Video Building Block for Blackboard, set up the system settings.

To set up the system settings for the Kaltura Video Building Block

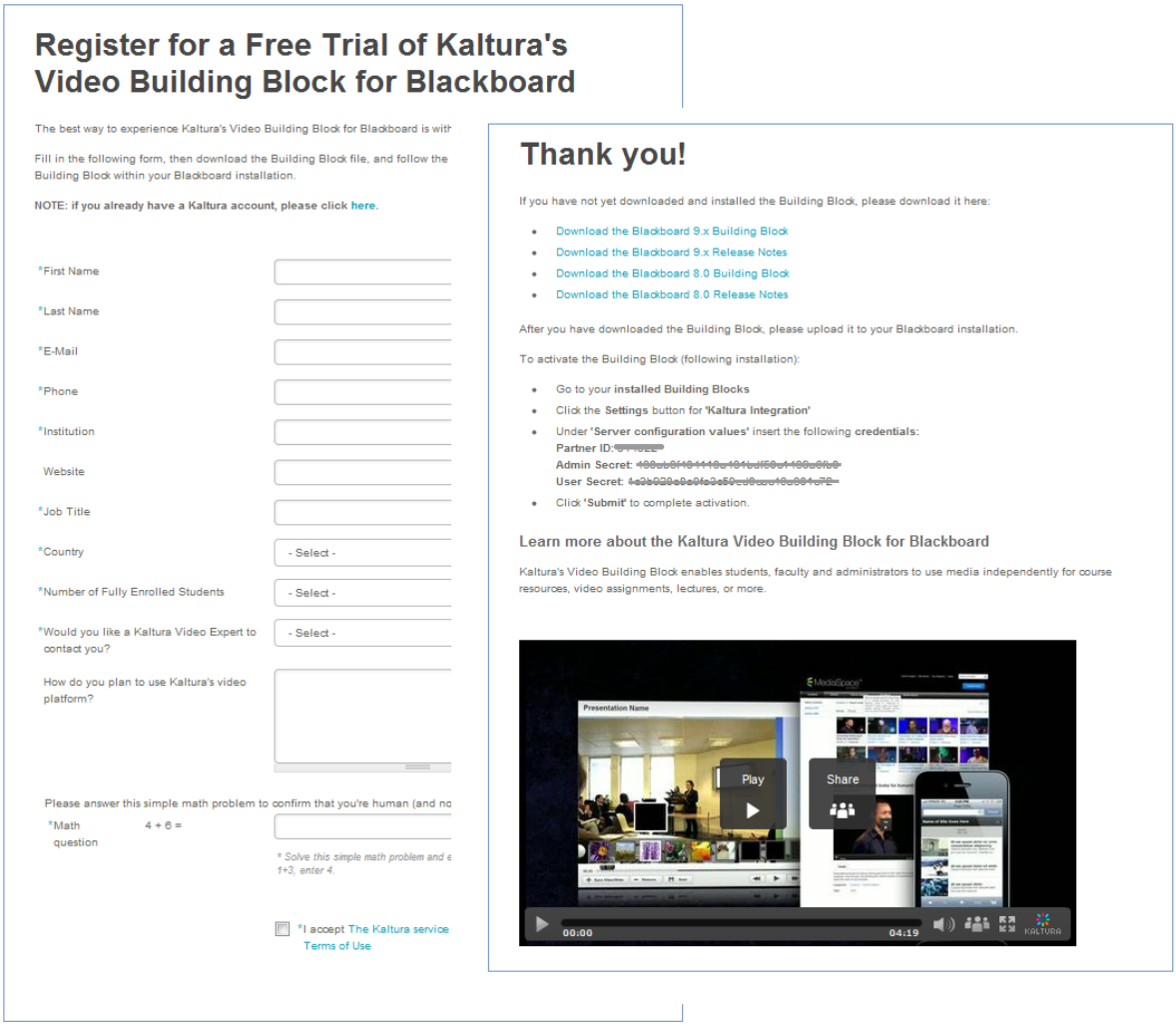
1. Go to Administrator Panel>Building Blocks>Building Blocks>Installed Tools.
   "Kaltura Integration" is displayed.
2. Click on "Settings>Kaltura Server Connection Configuration".
   The Configure Kaltura form is displayed.



3. Enter the Partner ID. To obtain a Partner ID, signup here.
   After you submit the signup form, a confirmation screen will display the credentials you need to fill out the Building Block's System Settings.

   If you have a Partner ID, you can find the credentials you need in the Kaltura Management Console under Settings>Integration Settings.
   If you are upgrading from Kaltura Video Building Block Version 1, you will need to run a data migration process. Please refer to Appendix A – Migrating from Kaltura Video Building Block 1.x for further instructions.

4. Enter the End Point. The End Point is the Server URL (if you are using Kaltura's SaaS offering, do not change this value),
5. Enter the Admin and User Secrets.
6. Click Submit.

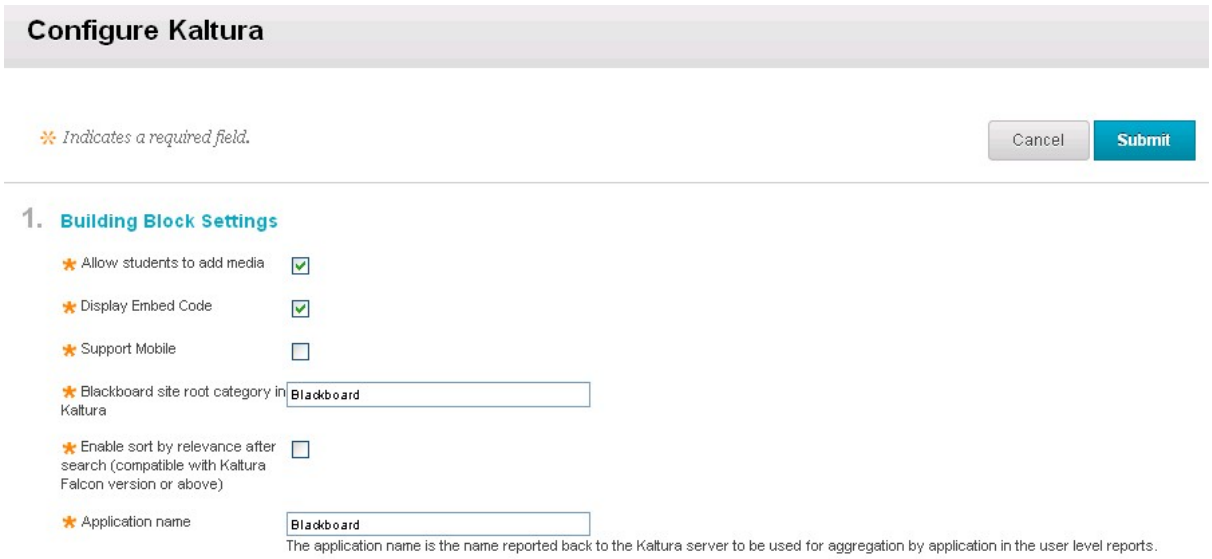


Configuring the Kaltura Video Building Block for Blackboard

Kaltura Video Building Block Settings

To configure the Kaltura Video Building Block settings

1. Go to Administrator Panel>Building Blocks>Building Blocks>Installed Tools.
   "Kaltura Integration" is displayed.
2. Click on "Settings> **Kaltura Video Building Block Configuration**".
   The Configure Kaltura form is displayed. The form is separated to several sections.



3. Check to enable options in the Building Block settings section:

- **Allow students to add media** - students will be able to assign videos to galleries of courses they are enrolled in.
- **Display embed code -** faculty members can choose if the embed code of a particular video within a course library is displayed to course members, allowing them to copy the code and paste it elsewhere.
- **Support Mobile** - assuming the Kaltura Partner has the mobile delivery feature enabled, this option loads the Kaltura's HTML5 player (and plays the relevant video file format) automatically on relevant mobile devices.
- **Blackboard site root category in Kaltura -** sets the root category in the Kaltura taxonomy for Blackboard courses. This field's setting is intended for advanced integration and use of Kaltura with applications other than Blackboard.
- **Enable sort by relevance after search** - adds the sort by relevance option to the My Media, Course Gallery and Faculty Repository galleries. Sort by relevance is only applicable for Kaltura Falcon version or above.
- **Application name** - the name reported back to the Kaltura server to be used for aggregation by application in the user level reports.

Widget Settings - Customizing Players, Uploader and Clipping Tool

The Kaltura Video Building Block uses Kaltura widgets that allow you to playback content, upload media and clip content. Players can be created, designed and configured with specific features and buttons within the Studio tab in the Kaltura Management Console. For instructions on how to create, design and configure a player, refer to the KMC User Manual.

Kaltura's most commonly used widgets include the Kaltura Dynamic Player (KDP) and the Kaltura Uploader. The Kaltura UIConf ID is the unique identifier for Kaltura widgets. We recommend that you use the default widgets.

After you create a player you can take the UIConf ID and paste it in the Building Block Configuration page, see Building Block Settings, to replace the default players to be used in the Building Block.

You can also modify the uploader widgets (also known as the Kaltura Contribution Wizard - KCW) and Kaltura Presentation Widget, using the Kaltura APIs. Please contact Kaltura for more information on using

the Kaltura API, or refer to the Kaltura API Documentation.

To customize the widgets

- Enter values for the following fields:

Field	Description
My Media Player	The player ID (UIConf) that is used in My Media section.
Course Player	The player ID that is used in Course Gallery and Course Content sections.
Mashup Player	The player ID that is used in media embedded via the Kaltura Mashup Tool.
Course Gallery & Content Tool KCW:	The uploader ID used in Course Gallery and Course Content sections.
My Media KCW - UIConfID	The uploader ID used in My Media section.
Clipping	The clipping tool ID used for creating clips.
Institution player embed code	The embed code of the playlist to be displayed in the New On Campus module on the Institution page. See Adding a Playlist Module to an Institution Page for further instructions..

Clipping Settings (Clipping Availability)

Clipping is the function to create clips of existing media entries. The Clipping Tool can be used, for example, to trim redundant parts out of your media, or to create a clip of highlights of a lecture.

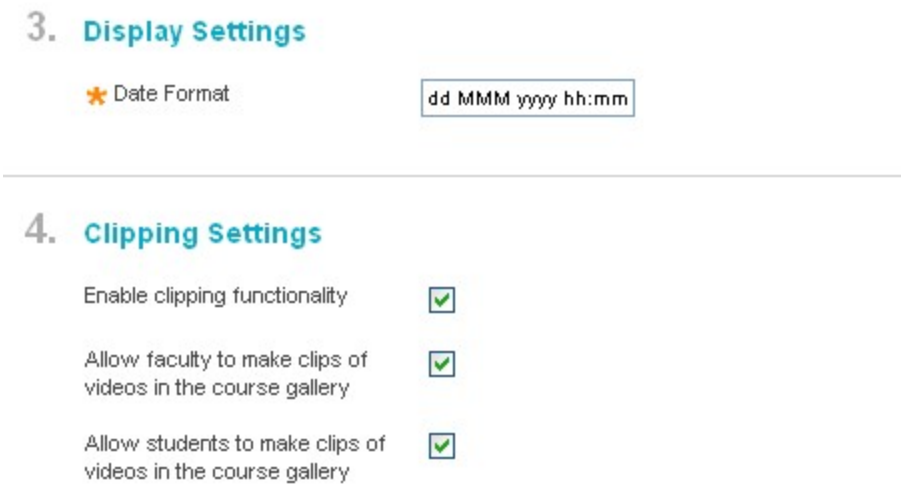


Figure 1 - Building Block clipping settings

To configure the Clipping Settings

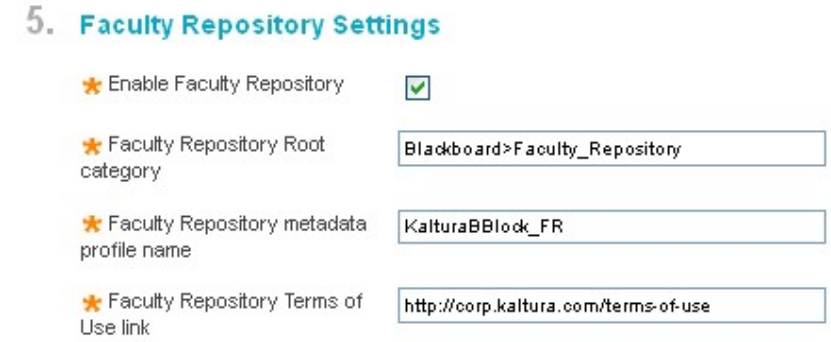
You can enable the following options in the Clipping settings:

- **Enable clipping functionality:** enables the base functionality of clipping; all other clipping options depend on this setting being enabled.
  When it is enabled, the clipping option is available in My Media, so that all users can create clips of their own media.
- **Allow faculty to make clips of videos in the course gallery:** when this option is enabled, faculty can create clips of videos in the Course Gallery that aren't their own, if the owner allowed it.
- **Allow students to make clips of videos in the course gallery:** when this option is enabled, faculty can create clips of public videos in the Course Gallery that aren't their own, if the owner allowed it.

For more information on the clipping functionality see Clipping Workflow.

Faculty Repository Settings

The Faculty Repository is a module that allows faculty members to search for and use media items shared by other faculty members or by Kaltura administrators.



To configure the Faculty Repository

- **Enable Faculty Repository** - enables the Faculty Repository Module and related features.
- **Faculty Repository Root** - sets the root category in Kaltura taxonomy for the Faculty Repository. This field's setting is intended for advanced integration and use of Kaltura with applications other than Blackboard.
- **Faculty Repository metadata profile name** - the name of the metadata profile used for the additional textual fields in the Faculty Repository.
- **Faculty Repository Terms of Use link** - defines the link used for Terms of Use when contributing content to the Faculty Repository.

Logging Settings

To configure the Logging Settings for the Kaltura Video Building Block for Blackboard

- **Enable debug logging** - the Building Block logs debug messages into a local log. This is useful for supplying technical information to Kaltura Support when needed.

SECTION 2

Adding a Playlist Module to an Institution Page

You must first create a playlist in the Kaltura Management Console. For instructions on how to create a playlist, refer to the KMC User Manual.

To add a playlist to an institution page

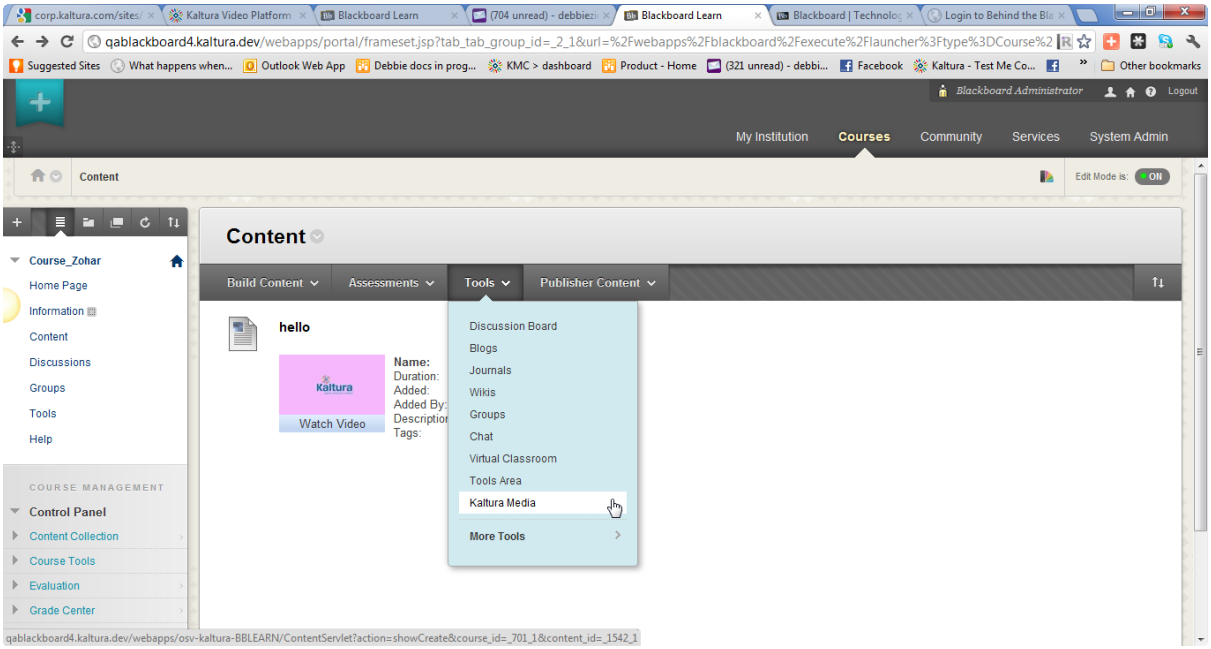
1. Grab the Playlist embed code from the KMC.
2. Go to Administrator Panel>Building Blocks>Building Blocks>Installed Tools.
   "Kaltura Integration" is listed.
3. Click on "Settings>Kaltura Video Building Block Configuration".
4. Paste the embed code of the Institution playlist in the Institution player embed code field in the Widget settings and save.
5. Go to My Institution>Add Module and add the "New on Campus" module to your institutions' home page.

SECTION 3

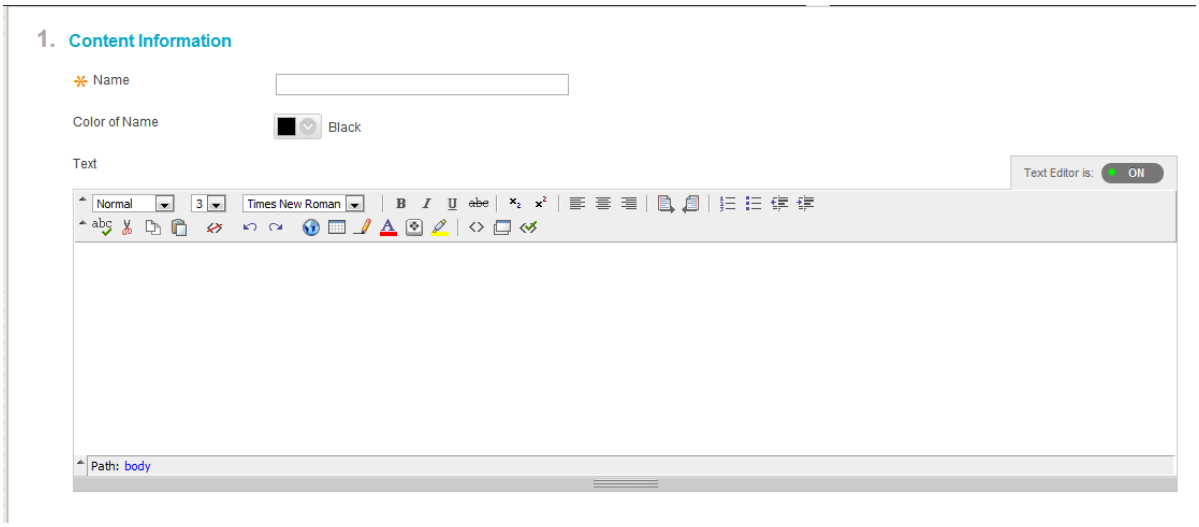
Adding Media Content to a Course

To add media content to a course

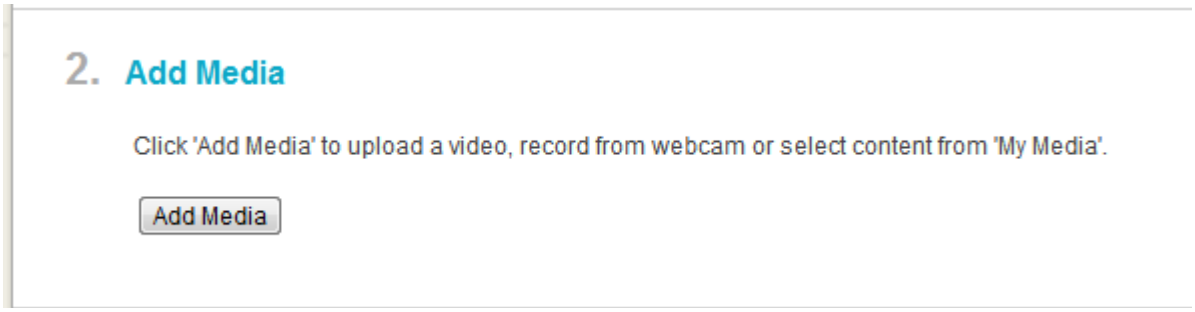
1. Go to Courses> Content> Tools.
2. Select Kaltura Media from the dropdown menu.



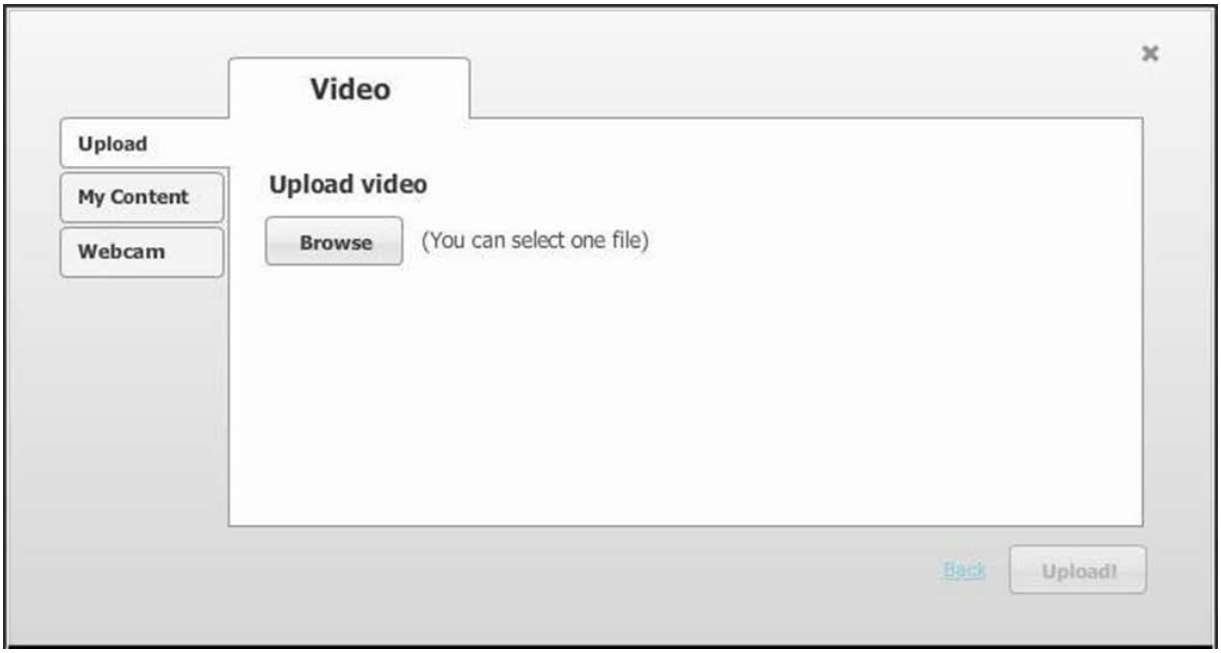
The Add Media Content window is displayed.



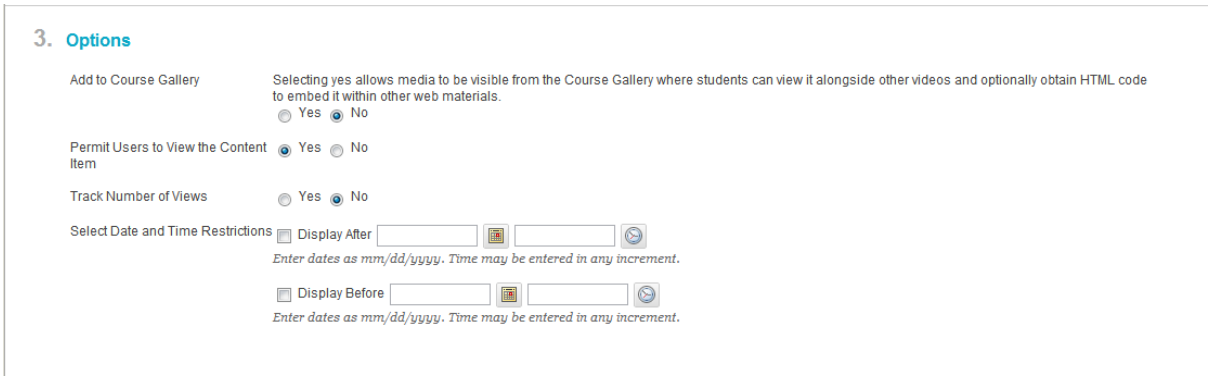
3. Enter a Name. You can add text to describe the content.



4. Click “Add Media”.
   The Kaltura Uploader is launched allowing you to upload a video, record from webcam or select from previously uploaded content (“My Content”).



5. Follow the wizard steps to add the media.
6. After adding the media, it will be represented in the WYSIWYG editor as a thumbnail taken from the video/media file.
7. You may choose to add the media to the Course Gallery and select other options from the Options section.



8. Click Submit to add the media content to the content list and to the course gallery if selected.

SECTION 4

Repurposing Media in other Tools and Content Areas via the Mashup Tool

Users can add media to various resources using Blackboard's Mashup Tool that is available via the text editor. Users can use the Mashup Tool in different resources according to their role in the course.

For example, instructors can repurpose media via the Mashup Tool in:

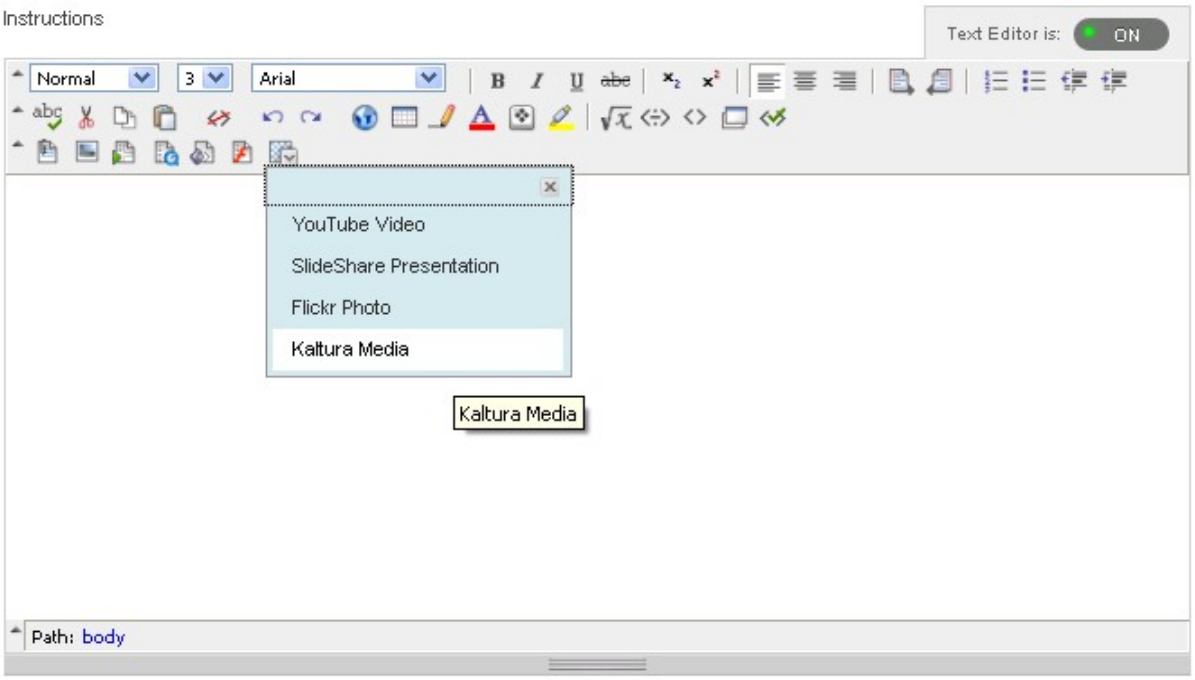
- Announcements
- Assignments
- Content Item
- Discussion Board
- Glossary
- Messages
- Tasks

Students, for example can repurpose media via the Mashup Tool in:

- Discussion board
- Messages
- Tasks
- Assignments submission

To repurpose media via the Mashup Tool

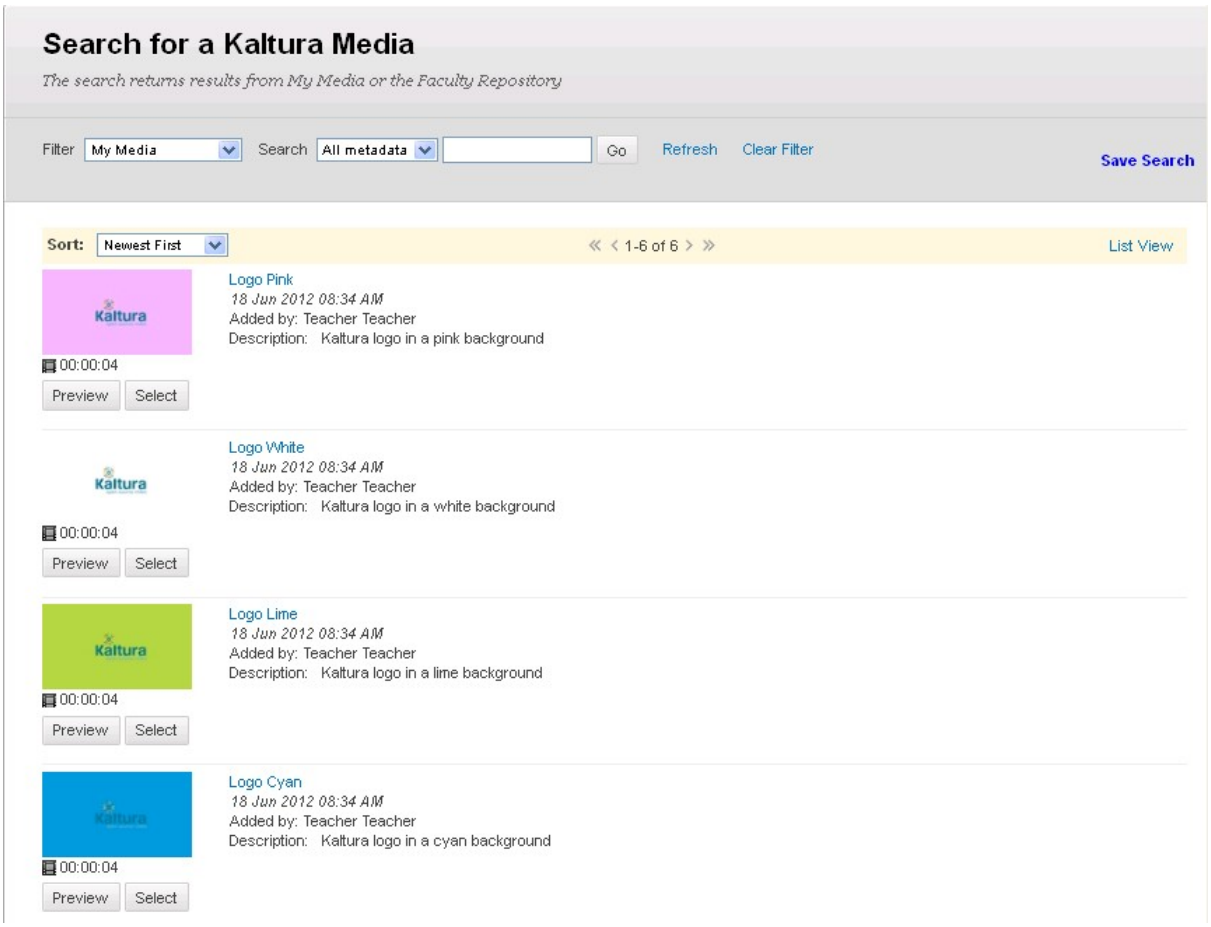
1. Select the Add Mashup icon in the WYSIWYG editor.
   The options available depend on the institution's configuration.



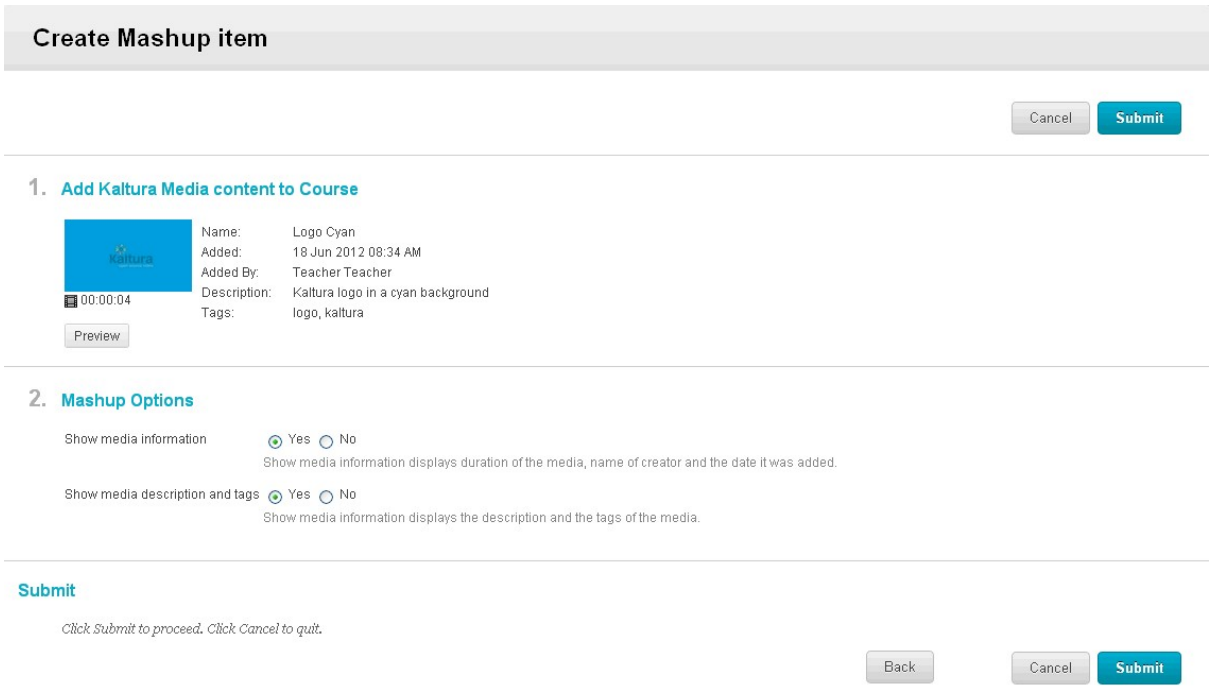
2. Select Kaltura Media from the dropdown menu.

   The Search for a Kaltura Media window is displayed where you can browse, search, preview and select media.

NOTE: Available media includes all the media 'owned' by you, as it appears in My Media. Faculty members also have media from the Faculty Repository (if enabled) available.



3. Browse or search for the media you want to repurpose.
4. Click Preview to preview the media item.
5. Click Select to select the media to repurpose.
   The Create Mashup Item window is displayed.



6. Select the MashUp Options for displaying the media.
   a. Show media information
   b. Show media description and tags
7. Click Submit to proceed.

   The media will be represented in the text editor as a thumbnail. Text can be added before and after the media.

SECTION 5

Course Gallery

The course gallery is a **searchable** and **sortable** display of all media content assigned to a course, and allows users to **add new media (upload or record from webcam)**.

Faculty and admins also have the option to:

- **Make this item public in gallery:** Display or hide the media to all course members (by default, media is hidden to course members and only faculty and content creators see the media in the gallery)

If the video is public:

- **Add to Gallery Module** – these selected videos appear in the course gallery module that can be added to the course home page.
- **Display embed code** - Allows users to copy embed codes of videos and paste them elsewhere

Other actions available to faculty/admin and content creators are:

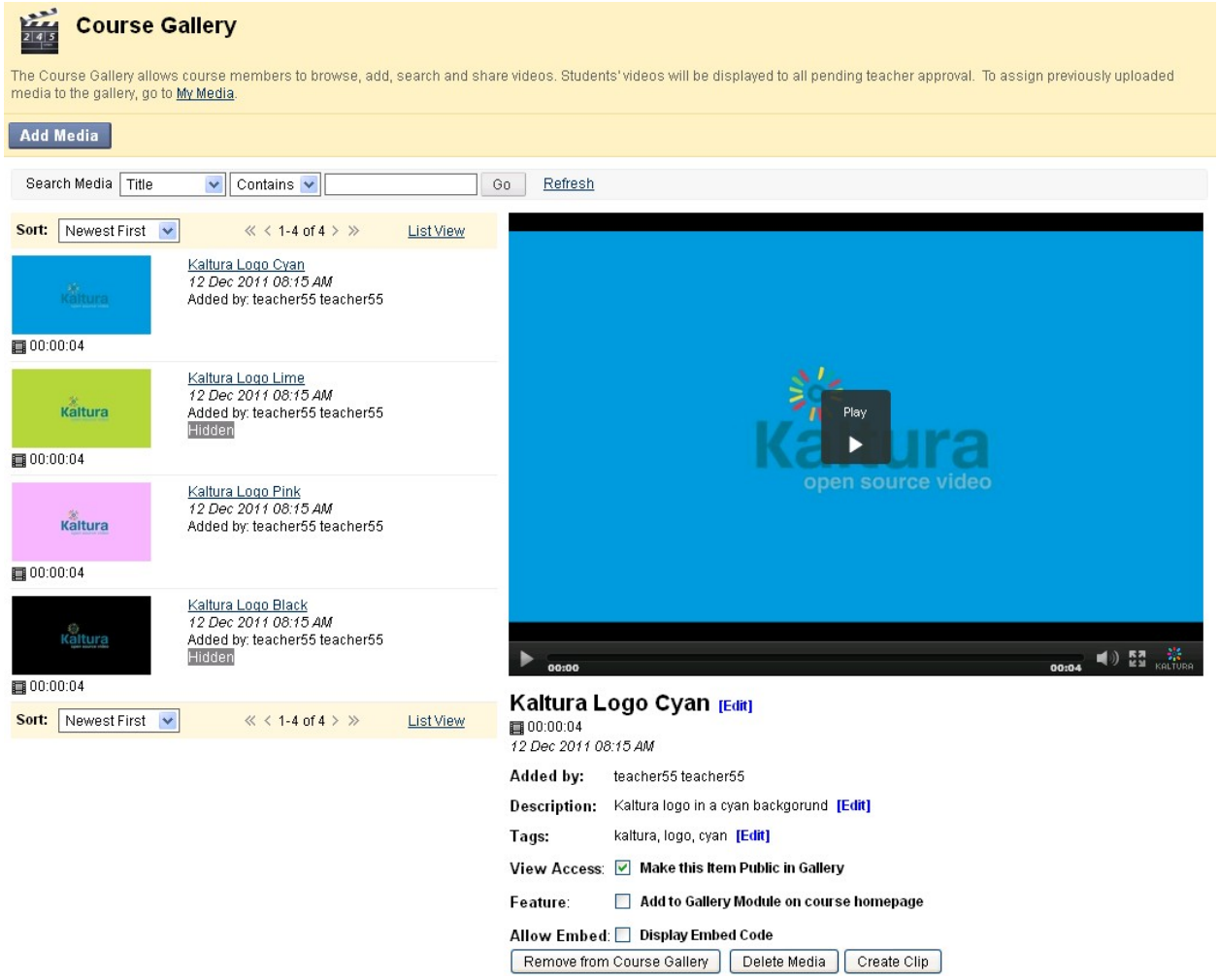
- Remove from gallery
- Delete media (if viewer is the content owner)
- Edit metadata (Title, Tags, Description)
- Create clip (if enabled and if the viewer is the content owner, or the configuration and the owner allowed it).

Students can:

- View public media
- Create clip (if enabled and if the viewer is the content owner, or the configuration and the owner allowed it).

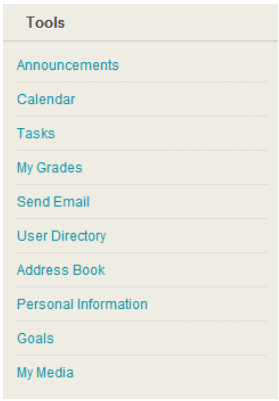
To view a Course Gallery

1. Select the Courses tab and select a course.
2. Select Course Tools and then select Course Gallery.

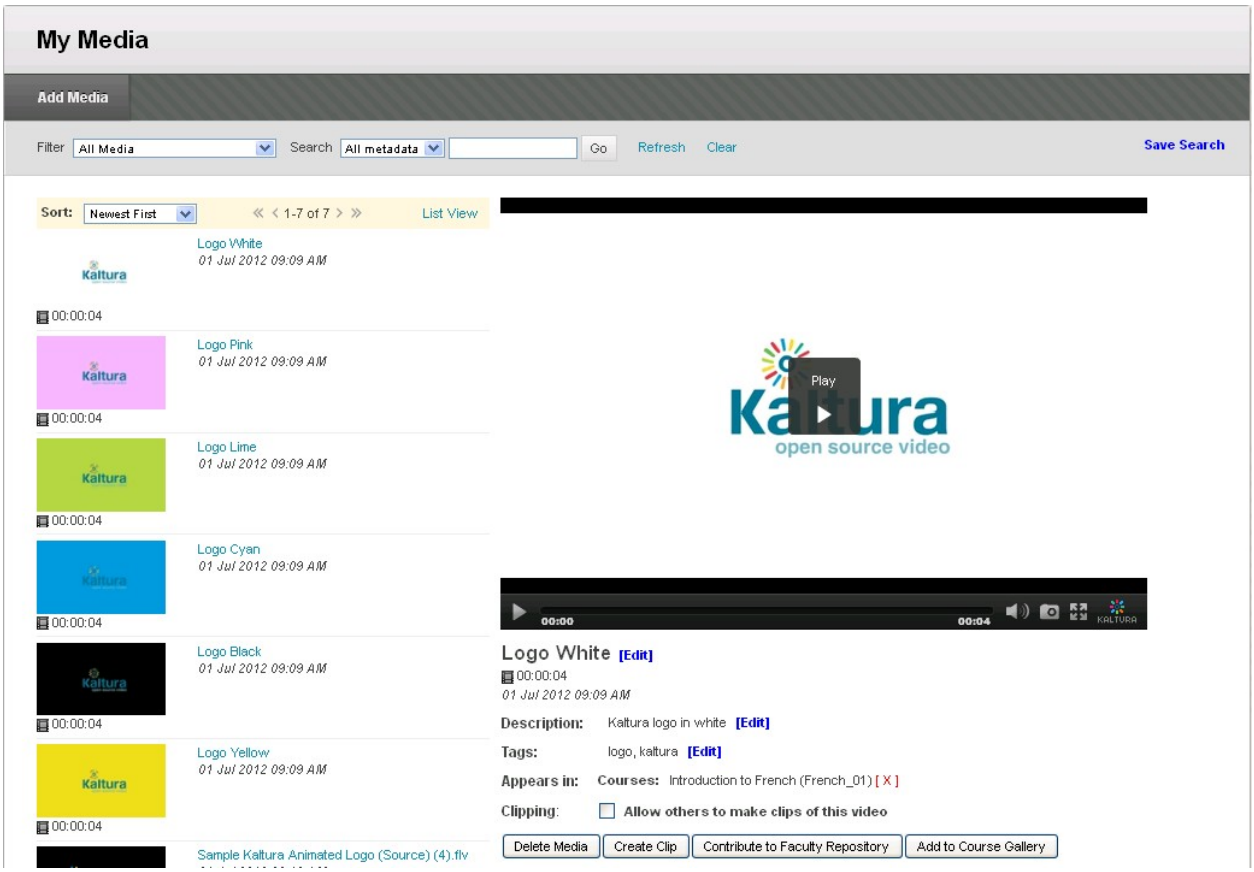

Course Gallery
The Course Gallery allows course members to browse, add, search and share videos. Students' videos will be displayed to all pending teacher approval. To assign previously uploaded media to the gallery, go to My Media.
Add Media
Search Media
Title
Contains
Go
Refresh
Sort:
Newest First
1-4 of 4
List View
Kaltura Logo Cyan
12 Dec 2011 08:15 AM
Added by: teacher55 teacher55
00:00:04
Kaltura Logo Lime
12 Dec 2011 08:15 AM
Added by: teacher55 teacher55
Hidden
00:00:04
Kaltura Logo Pink
12 Dec 2011 08:15 AM
Added by: teacher55 teacher55
00:00:04
Kaltura Logo Black
12 Dec 2011 08:15 AM
Added by: teacher55 teacher55
Hidden
00:00:04
Sort:
Newest First
1-4 of 4
List View
Play
open source video
00:00
00:04
Kaltura Logo Cyan [Edit]
00:00:04
12 Dec 2011 08:15 AM
Added by: teacher55 teacher55
Description: Kaltura logo in a cyan backgorund [Edit]
Tags: kaltura, logo, cyan [Edit]
View Access: Make this Item Public in Gallery
Feature: Add to Gallery Module on course homepage
Allow Embed: Display Embed Code
Remove from Course Gallery
Delete Media
Create Clip

My Media

My Media" is accessed from the My Institution tab.



My Media allows users to view their media, add and edit media, and assign media to a specific course. Faculty may also contribute meida to the Faculty Repository. .



The available actions are:

- Capture frame from video for new thumbnail display – use the camera icon in the player.
- Edit metadata- select Edit near the field you want to edit.
- Clipping - allow other users to make clips of this video . If allowed, other users that belong to courses that the video is assigned to can create clips from the video.
- Delete Media
- Create clip (if enabled)
- Add to Gallery - assign to course gallery. A list of courses associated with users is displayed, allowing them to add the media to the course gallery (multiple choices) and remove from the gallery. The availability of this action depends on the Building Block configuration.
- Contribute media to the Faculty Repository (only available for faculty members).

SECTION 7

Faculty Repository

The Faculty Repository is a central gallery where faculty can browse, search, watch and use media shared by other faculty members. Kaltura Administrators can populate the Faculty Repository with curriculum and library content.

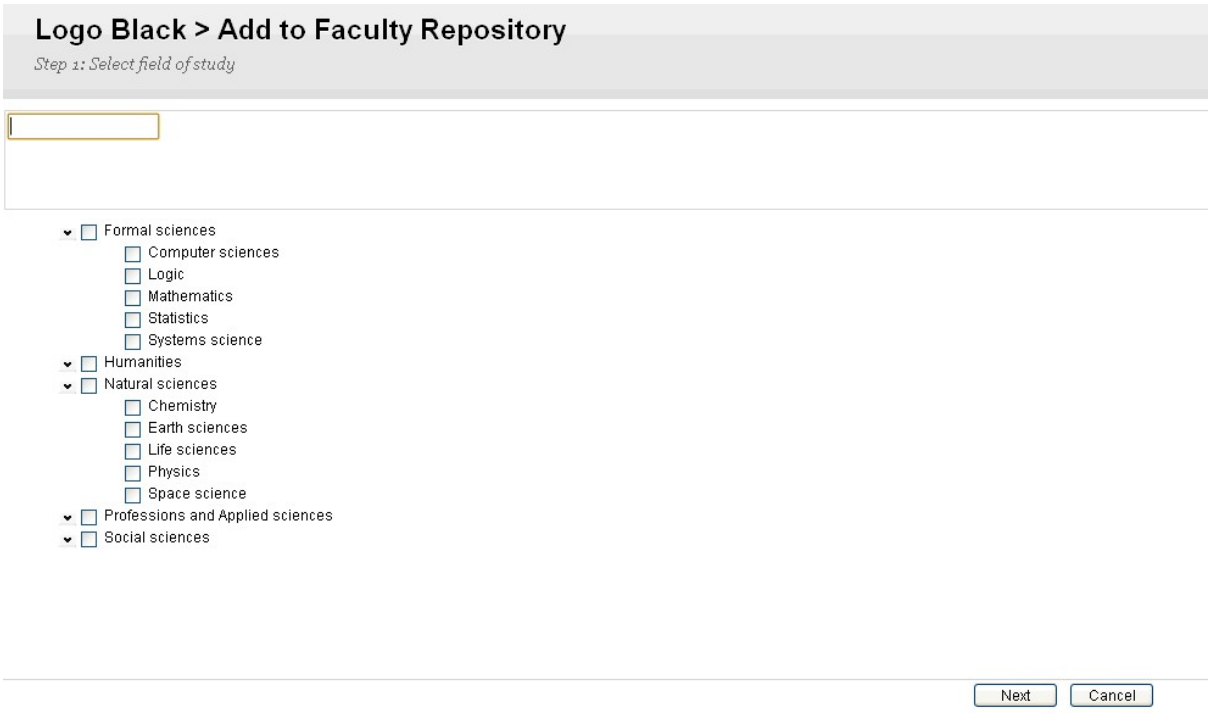
Contributing to the Faculty Repository

Faculty members can contribute media to the Faculty Repository for other faculty members to use. Finding the relevant media depends on how descriptive the metadata of the media is. There are additional metadata fields specific to the Faculty Repository to provide more information.

NOTE: Metadata fields are configurable and may be different than what is displayed in the examples included here.

To contribute media to the Faculty Repository

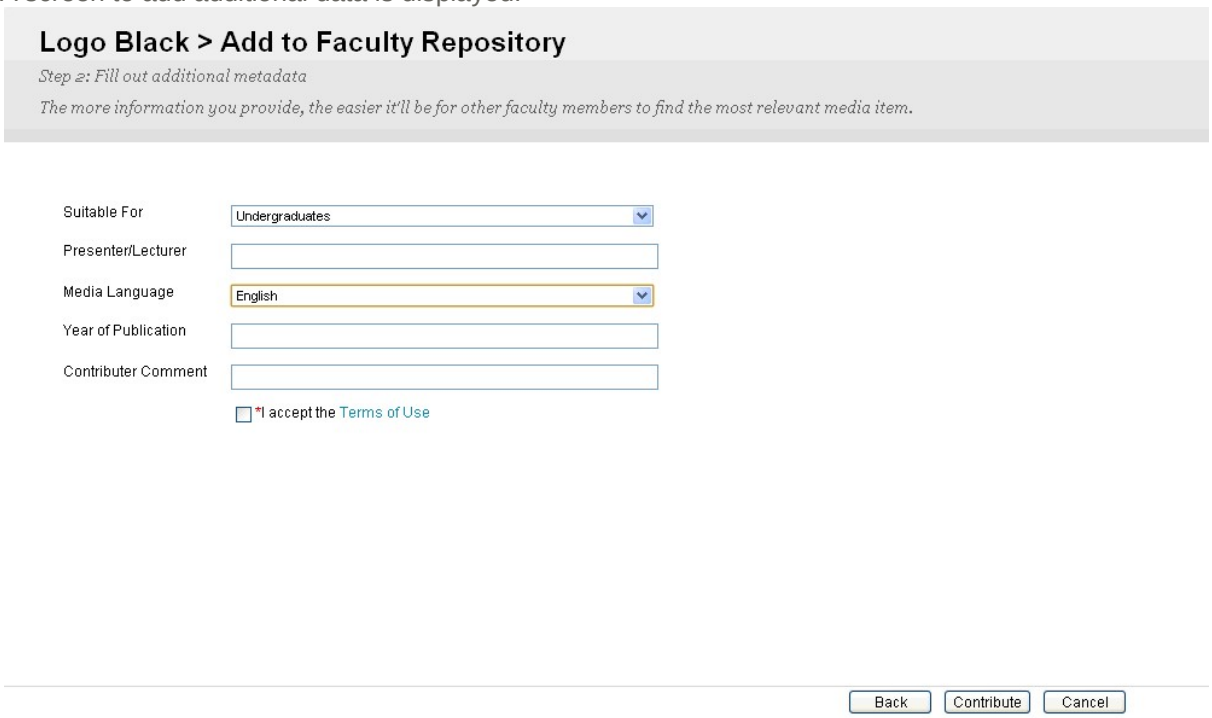
1. In My Media select the media you want to contribute.
2. Click Contribute to Faculty Repository.
   A window to add additional metadata is displayed.



3. Choose the field of study (or more than one) that the media is relevant to. You may browse the

taxonomy or search for suggestions in the search box.

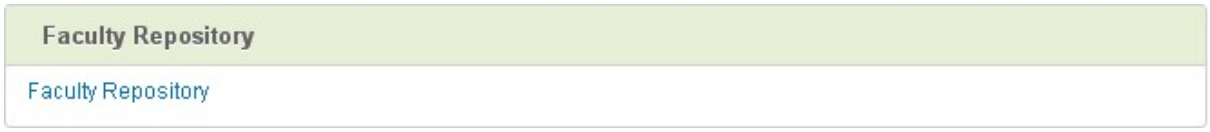
4. Click “Next”.
   A screen to add additional data is displayed.



5. Fill in the additional metadata fields.
6. Click Accept the Terms of Use.
7. Click Contribute.

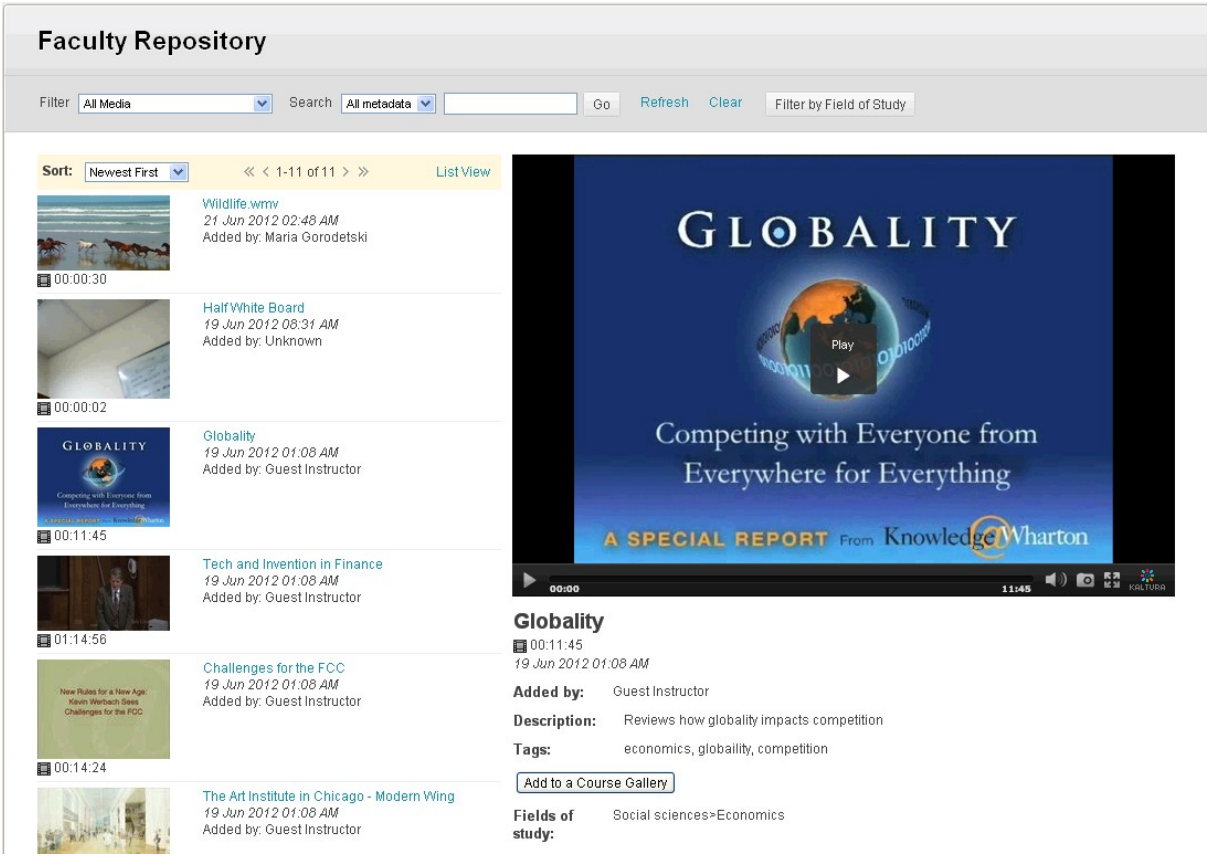
Using the Faculty Repository

The Faculty Repository is a module accessed from the My Institution page.



To add the Faculty Repository module to My Institution page

1. Click Add Module.
2. Find the Faculty Repository in the list of modules.
3. Click Add.



In the Faculty Repository you can search and browse media, view media and add the media to your course Gallery. Media from the Faculty Repository may also be added to other tools and content via the Mashup Tool. See Repurposing Media in other Tools and Content Areas via the Mashup Tool.

To add media from the Faculty Repository to your course

1. Find the media item you want by searching and browsing.
2. Click the thumbnail or the name of the media to have it appear in the player area.
3. Click Add to a Course Gallery.
4. Choose the relevant course and click OK.

Defining Faculty Repository Metadata

Faculty Repository metadata is used to facilitate searching and finding relevant media for the user. The faculty repository metadata is comprised of two types of metadata in Kaltura:

- Field of study – represented as a categories branch in Kaltura
- Additional textual fields – defined as a Custom Data Schema in Kaltura

Both types of metadata can be edited and redefined in the Kaltura Management Console (KMC). Kaltura administrators are encouraged to configure the metadata that suits the needs of their institution when enabling the Faculty Repository.

To define the Field of Study taxonomy, we recommend that you create categories in a tree structure as a child of the Faculty Repository Root category as defined in Faculty Repository Settings. For instructions on how to define categories see the Kaltura Management Console User Manual.

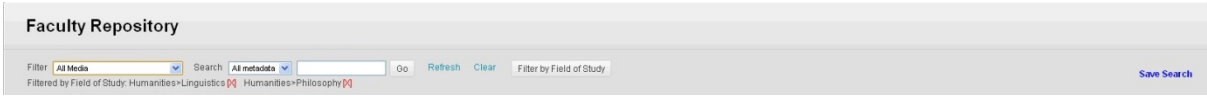
To define the additional text fields, create a schema and insert the name of it in the Faculty Repository Settings. For instructions on how to define custom data schema refer to Kaltura Management Console User Manual. Each field type in the schema is represented in the Faculty Repository in the following way:

- Text field - represented as a text field
- Text Select List field with possible single value - represented as a dropdown
- Text Select List field with unlimited maximum number of values - represented as a multi-select box

Other types of fields are not supported in the Faculty Repository module and will not be represented.

Searching Through Galleries

My Media, Course Gallery and Faculty Repository have a similar search UI that is comprised of a combination of filtering, searching and sorting. In addition, frequent search queries can be saved for future use.



Searching combines all types of search criteria. For example, if you are searching for the tag “test” in My Media on media that appears in course ‘Biology 101’, the search will return only results that are yours, have the tag “test” and appear in course Biology 101.

NOTE: There are some differences in the available filters between the different galleries, and the ability to filter by Field of Study is only available in the Faculty Repository.

Saving Searches

Frequently used search queries can be saved and re-used. Searches are saved per user and per gallery.

To save a search

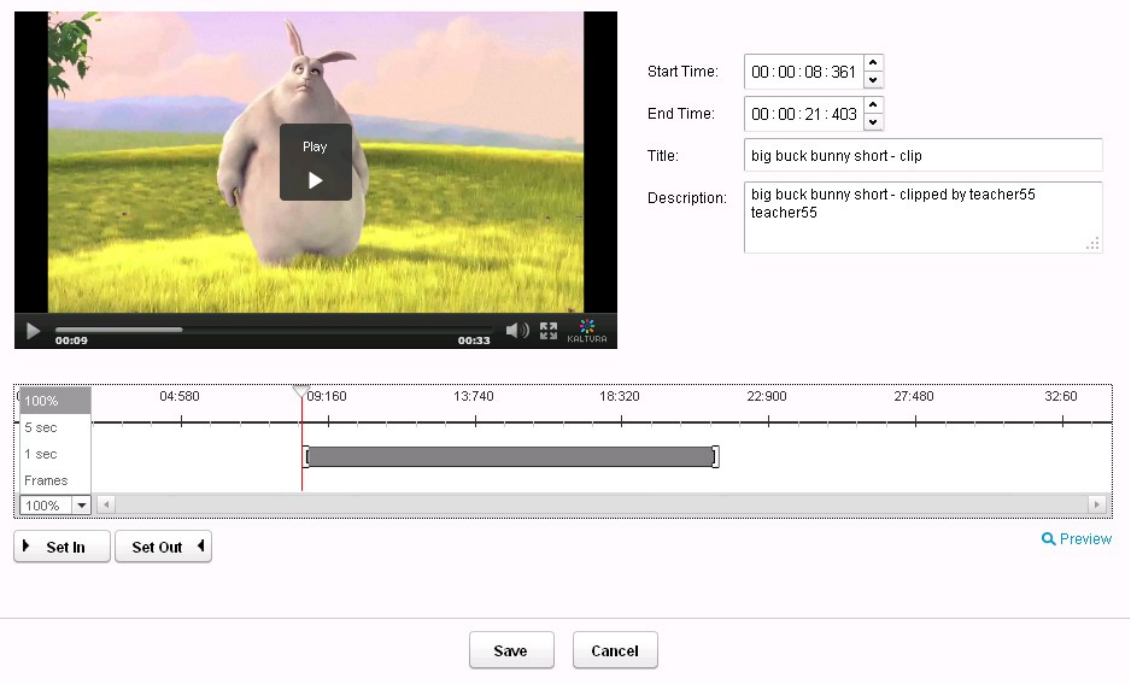
1. In My Media, Course Gallery Faculty Repository, perform a search.
2. After you are satisfied with a search query, click Save Search.
3. Choose a name for the frequently used search and click Save.

To use a saved search

1. Select Saved Search from the Filter dropdown.
2. Select the saved search you want from the dropdown menu.
3. Click Go.

Clipping Workflow

If you have the ability to create a clip from a video (depends on the following factors: Building Block configuration, video ownership, enrolment to courses and the video owner allowing it), the “Create Clip” button is available to open the Clipping Tool.



The new clip created is owned by the person who created it and is treated thereafter as any other standalone video. The clip appears in the owner’s My Media, and can be assigned to courses, used via the Mashup tool or contributed to the Faculty Repository (if you are a faculty member).

To create a clip from your media using the Clipping Tool

1. Go to My Institution> My Media.
2. Select a media item.
3. Click Create Clip.
4. To enable others to create clips from your media , check Allow others to make clips of this video in the Clipping field.

To create a clip from other users content using the Clipping Tool

1. Go to Courses > Course Gallery.
2. Select a media item.
3. Click Create Clip.

SECTION 10

Adding Media to Courses from the Kaltura Management Console (KMC)

Administrators that have access to their Kaltura account and KMC can assign media directly to courses via the KMC.

Blackboard courses are organized using the Kaltura taxonomy called ‘categories’. Each course is assigned to a category, so that the Blackboard course ID is a Kaltura category name. All Blackboard courses’ categories are child nodes of the Blackboard root category defined in Blackboard settings (default “Blackboard”).

To add media directly from the KMC to a Blackboard course, assign the media to the relevant category. The media is added to the course as private.

After media is added to the course, faculty can perform all actions on the media item (For example make the media public, change metadata, and modify media information).

SECTION 11

Adding Curriculum and Library Media to the Faculty Repository from the KMC

Kaltura Administrators such as librarians and video technicians can upload media for use by faculty members' use via the Faculty Repository.

Media must be assigned to one or more fields of study (a sub category of the defined root category of the Faculty Repository) so that is available in the Faculty Repository. We recommend to have the additional textual fields filled out.

You can add curriculum and library media manually or using the bulk operation in the KMC for already uploaded (or in the upload phase) media, so that the media is uploaded with all the relevant metadata and the field of study assignment. See more about Bulk Upload in the Kaltura Management Console User Manual.

APPENDIX A

Appendix A – Migrating from Kaltura Video Building Block 1.x

The Building Block, Version 2 and above, uses a different data structure than Version 1. This change allows for several advanced capabilities.

To preserve Kaltura related properties of previous videos run the following one-time migration process:

1. Delete the old Building Block.
2. Upload the new Building Block and activate it.
3. Go to 'Settings' of the Building Block.
4. Press 'Migrate older Kaltura videos to the new data structure' link.
5. Wait until the process finishes (there will be a confirmation message indicating the migration completed successfully and the amount of courses that were migrated).

   Depending on the amount of courses that used Kaltura and the amount of videos, the migration process may take up to a couple of hours.