

# **Kaltura Video Building Block 2.0 for Blackboard 9.x**

## **Quick Start Guide**

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Version: 2.0 for Blackboard 9.x

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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:

- [Setting up and configuring the Building Block](#)
- [How to add a playlist module to an Institution page](#)
- [Adding media content to a course](#)
- [The Course Gallery](#)
- [My Media](#)
- [Clipping workflow](#)
- [How to add a media to a course from the KMC](#)

# 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 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.



## Configure Kaltura

★ Indicates a required field.

### 1. System Settings and Information

★ Partner ID	<input type="text"/>	You need to register for a Kaltura account in order to receive you publisher ID and Secrets. If you have already signed up for a Kaltura account please enter the credentials of that account. Your account credentials are available in the <a href="#">Kaltura Management Console</a> under Settings >> Integration Setting To sign up for a Kaltura account <a href="#">click here</a>
★ End Point	<input type="text" value="http://www.kaltura.com"/>	
★ Admin Secret	<input type="text"/>	
★ User Secret	<input type="text"/>	
Blackboard administrator contact	<input type="text" value="bbadmin@uni.com"/>	

Figure 1 - Settings>Kaltura Server Connection Configuration

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 the appendix 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.

Figure 2 – Signup form

## To configure 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 Video Building Block Configuration**”.  
The Configure Kaltura form is displayed. The form is separated to several sections.

## Kaltura Video Building Block Settings



### Configure Kaltura

\* Indicates a required field.

1. Building Block Settings	
* Allow students to add media	<input checked="" type="checkbox"/>
* Treat Teaching Assistants as Instructors (permission-wise)	<input checked="" type="checkbox"/>
* Display Embed Code	<input checked="" type="checkbox"/>
* Support Mobile	<input checked="" type="checkbox"/>
* Blackboard site root category in Kaltura	<input type="text" value="Blackboard"/>

Figure 3 - Building Block general configuration

You can enable the following options in the Building Block settings:

- **Allow students to add media:** If enabled, students will be able to assign videos to galleries of courses they are enrolled in.
- **Treat Teaching Assistants as Instructors:** If enabled, teaching assistants will have the same permissions as instructors in the courses' galleries they are enrolled to as TAs. (See [here](#) for more details about these permissions.)
- **Display embed code:** If enabled, 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 will load Kaltura's HTML5 player (and play the relevant video file format) automatically on relevant mobile devices.
- **Blackboard site root category in Kaltura:** Sets the root category in Kaltura taxonomy for Blackboard courses. This field's setting is intended for advanced integration and use of Kaltura with applications other than Blackboard.

## Customizing Players, Uploader and Clipping Tool

### Widget Settings

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. It is recommended to use the default widgets.

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](#).

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](#).

2. Widget settings	
★ My Media Player	<input type="text" value="1426232"/>
★ Course Player	<input type="text" value="1426232"/>
★ Course Gallery & Content Tool KCW UIConf ID	<input type="text" value="6477611"/>
★ My Media KCW - UIConf ID	<input type="text" value="6477621"/>
★ Clipping	<input type="text" value="6477631"/>
Institution player embed code	<pre>&lt;object id="kaltura_player_1323366555" name="kaltura_player_1323366555" type="application/x-shockwave-flash" allowFullScreen="true" allowNetworking="all" allowScriptAccess="always" height="680" width="400" bgcolor="#000000"&gt;</pre>

Figure 4 - Building Block Widgets settings

## To customize the widgets

Enter values for the following fields

:	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
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 [below] for further instructions.

## Settings of 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, or creating highlights of a lecture.

4. Clipping Settings	
Enable clipping functionality	<input checked="" type="checkbox"/>
Allow faculty to make clips of videos in the course gallery	<input checked="" type="checkbox"/>
Allow students to make clips of videos in the course gallery	<input checked="" type="checkbox"/>

Figure 5 - 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](#).

## Logging Settings

### 5. Logging

★ Enable debug logging



The log file location is: {BLACKBOARD\_INSTALLATION\_DIR}/logs/kaltura.log

Figure 6 - Building Block logging setting

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

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

## Adding a Playlist Module to an Institution Page

### To add a playlist to an institution page

1. 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](#).
2. Grab the Playlist embed code from the KMC and 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 and save (see [Figure 4](#)).
5. Add the "New on Campus" module to your institutions' home page.

## Adding Media Content to a Course

### To add media content to a course

1. In the Content Information section, toggle Edit Mode to On.

## Adding Media Content to a Course

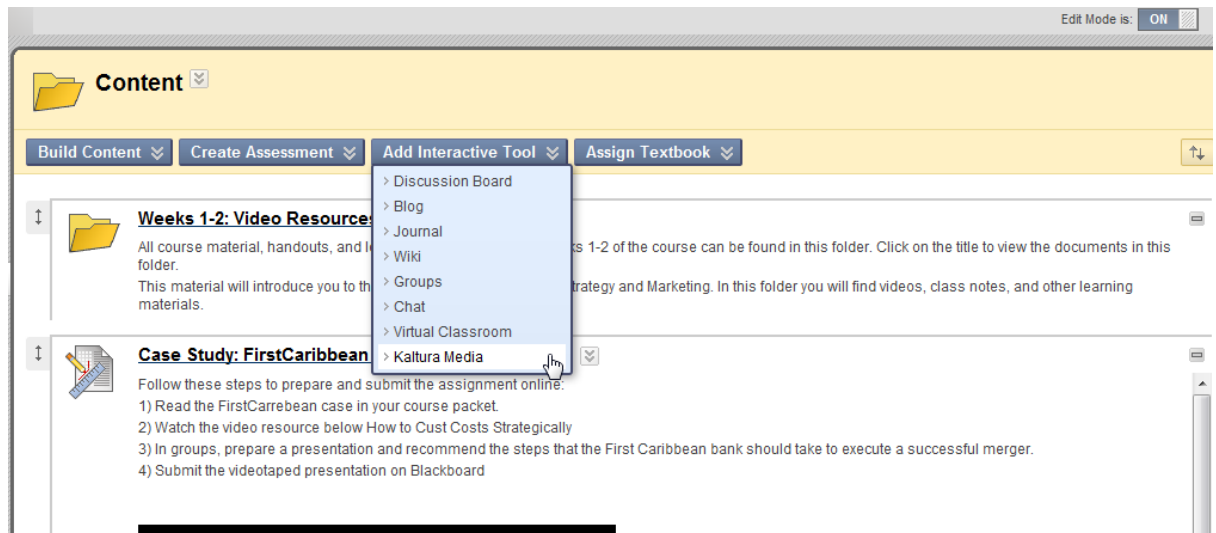


Figure 7 – Step 1 Adding media content to a course

2. Click “Add Interactive Tool” and select “Kaltura Media” from the drop-down menu. The Add Media Content window is displayed.
3. Enter a Name. You can add text to describe the content.

**1. Content Information**

★ Name

Color of Name  Black

Text

Normal 3 Arial **B** *I* U **abc** **x<sub>2</sub>** **x<sup>2</sup>** Text Editor is: **ON**

Path: [body](#)

**2. Add Media**

Click 'Add Media' to upload a video, record from webcam or select content from 'My Media'.

**3. Options**

Add to Course Gallery ☐ Yes ☒ No

Selecting yes allows media to be visible from the Course Gallery where students can view it alongside other videos and optionally obtain HTML code to embed it within other web materials.

Figure 8 – Step 2 Adding media content to a course

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

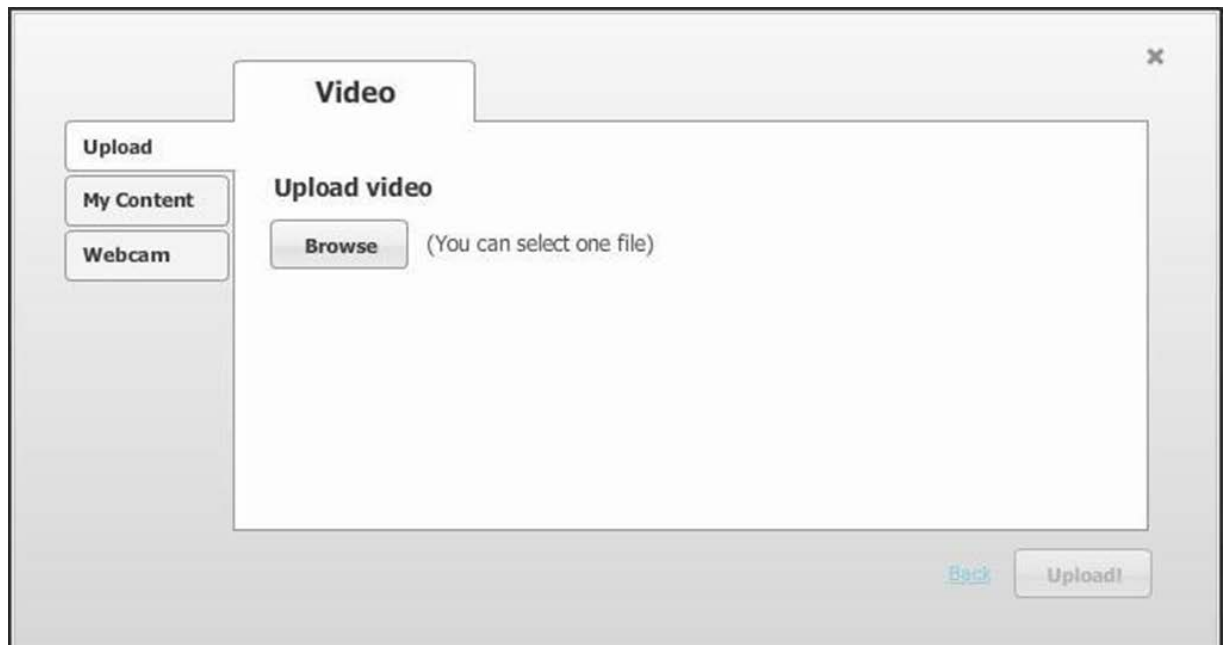


Figure 9 - Kaltura uploader

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](#).
8. After you click Save, the media content is added to the content list and to the course gallery.

## 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).



## 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



### Kaltura Logo Cyan [\[Edit\]](#)


 00:00:04  
 12 Dec 2011 08:15 AM

**Added by:** teacher55 teacher55

**Description:** Kaltura logo in a cyan background [\[Edit\]](#)

**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](#)

Figure 10 - Course Gallery

## My Media

“My Media” is accessed from the Tools menu:



Figure 11 - link to My Media

My Media allows users to add and edit media before assigning it to a specific course.

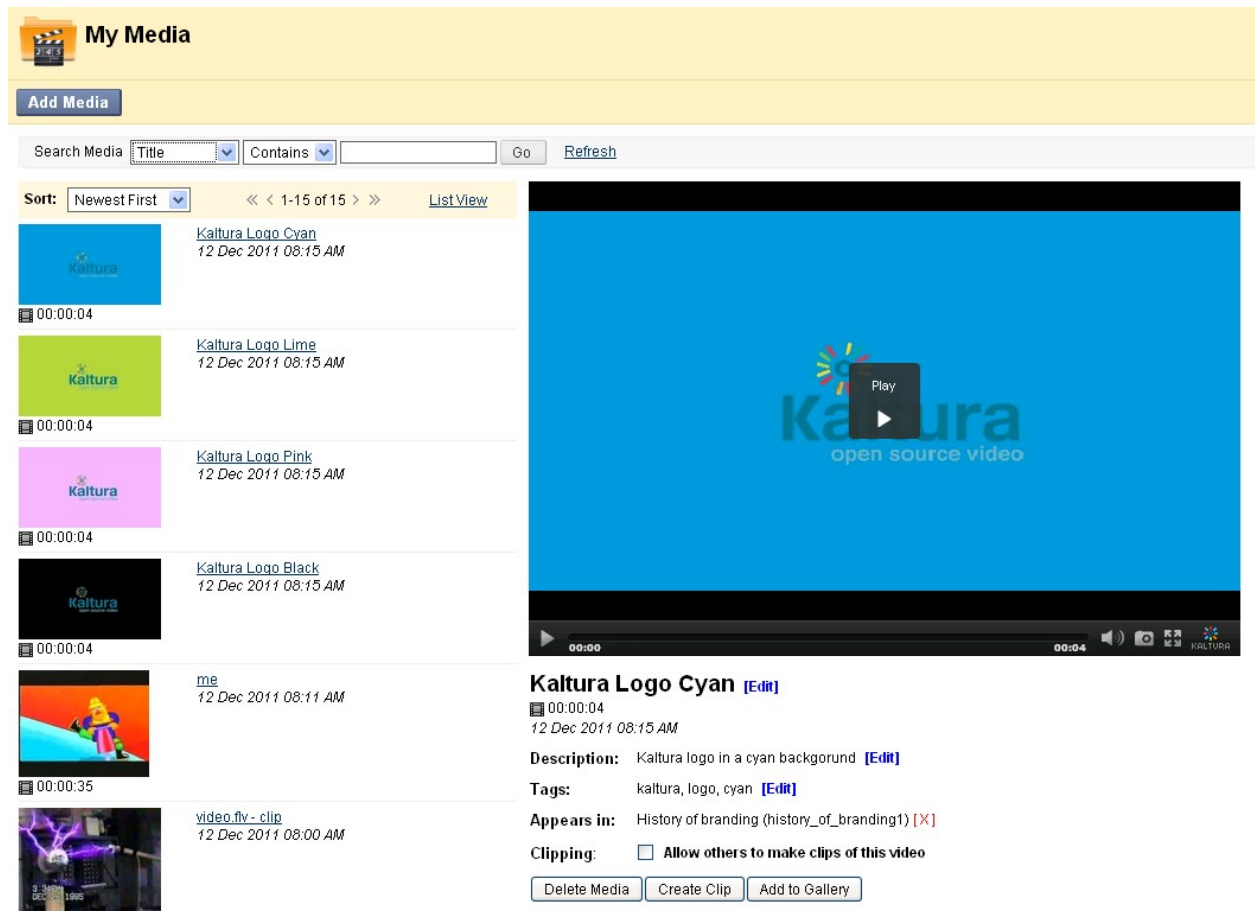


Figure 12 - My Media

The available actions are:

- Capture frame from video for new thumbnail display
- Edit metadata
- 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 video
- Create clips (if enabled)
- Assign to course: 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.

## 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), you will see the “Create Clip” button available. Clicking the button will open the clipping tool.

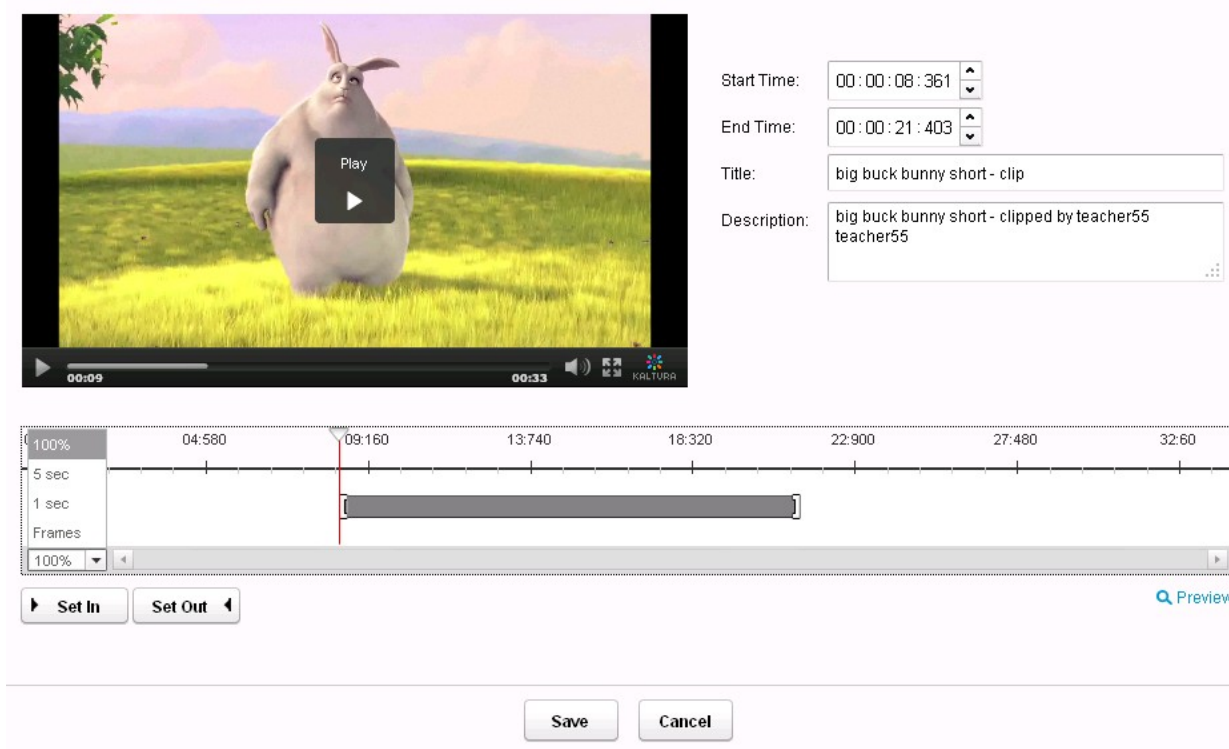


Figure 13 - Clipping tool

The new clip created is owned by the person who created it and is treated thereafter as any other standalone video. It appears in the owner's My Media, and can be assigned to courses, etc.

## 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.

Faculty of the course will then be able to perform all normal actions on the media item (for example make it public, change metadata, etc).

# 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.



Figure 14 - Kaltura configuration - Migration required