

Kaltura Video Extension for Brightspace by D2L Setup Guide

Version: Kaltura 3.0

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Preface

This preface contains the following topics:

- [About this Guide](#)
- [Audience](#)
- [Prerequisite Reading](#)
- [Document Conventions](#)

About this Guide

This guide describes how to setup the Kaltura Brightspace by D2L video plugin, and is referred to as “Brightspace Kaltura plugin”

Instructions are provided for setting up the application’s behaviour and how to control user roles and permissions using the Kaltura Application Framework (KAF) Admin Console.



NOTE: Please refer to the official and latest product release notes for last-minute updates. Technical support may be obtained directly from: [Kaltura Customer Care](#).

Contact Us: Please send your documentation-related comments and feedback or report mistakes to knowledge@kaltura.com. We are committed to improving our documentation and your feedback is important to us.

Audience

This guide is intended for Brightspace and Kaltura administrators.

Document Conventions

Kaltura uses the following admonitions:

- Note



NOTE: Identifies important information that contains helpful suggestions.

- Workflow



Workflow: Provides workflow information.

1. Step 1
2. Step 2

Prerequisites

The following items are required to setup the Brightspace Video Extension:

- Access to a Brightspace environment with site administrator role.
- A Kaltura account - Please contact your Kaltura representative for your Kaltura account details.
- Deployment of Kaltura Video Extension for Brightspace by D2L on your environment. For installation instructions, see the [Kaltura Video Extension for Brightspace by D2L Installation Guide](#).
- KAF Admin Console – please ask your Kaltura representative for credentials to access your KAF Admin Console instance.

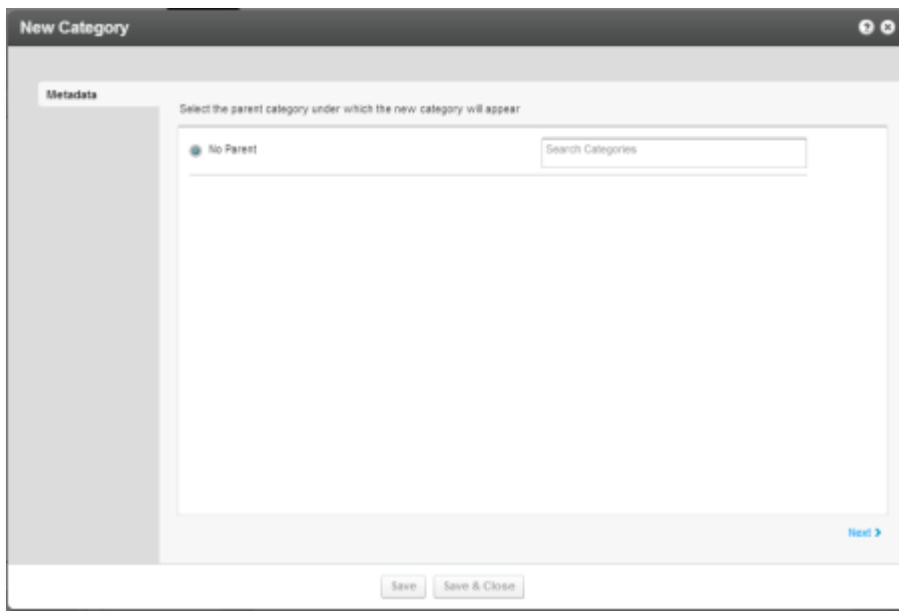
Before You Begin

You will need to create a Brightspace root category in the KMC.

To create the Brightspace root category in the KMC

1. Log into the KMC.
- 2.
3. Select the **Content** tab and then select the **Categories** tab.
4. Click **Add Category**.

On the New Category window, select the position of the root category and save your new category.



- 5.
- 6.

Click **Next**.

In the metadata tab, enter metadata for your new category and click Save.

Before You Begin

The screenshot shows a web form titled "New Category" with a "Metadata" sidebar. The form contains the following fields:

- Name:** Brightspace
- Description:** Brightspace Root Category
- Tags:** (Empty text area)
- Reference ID:** (Empty text field)
- Details:**
 - Key:** (Empty text field)
 - Value:** (Empty text field)

Below the Details section is a "+ Add" button. At the bottom of the form are "Save" and "Save & Close" buttons.

Understanding the Setup Process

The Kaltura Brightspace plugin offers an out-of-the-box solution that enables users to view, record, upload, publish, search, and share video directly from their Brightspace environment. This translates into time and money saved for your organization, improved student engagement, creativity and learning results, as well as ease of use for students, faculty and teaching assistants.

The Kaltura Application Framework (KAF) Admin Console

The Kaltura Brightspace plugin is implemented on top of the Kaltura Application Framework (KAF), a feature rich framework that allows flexible and streamlined integration of Kaltura's video solution and products into 3rd party applications such as Brightspace. KAF is hosted and served directly from the Kaltura cloud servers and once integrated into your Brightspace environment, presents different video components and workflows to users.

At the backend, the Kaltura Application Framework provides a flexible and extensible administration panel, called "KAF Admin Console". The KAF Admin Console offers full control over the user experience and when interacting with videos inside Brightspace. Nearly all configuration aspects of the Kaltura Brightspace plugin are configured through the KAF Admin Console.

KAF Modules

Your KAF instance is composed of multiple **KAF modules**, such as "Application", "Player", and "Auth". Each module controls a different aspect of your Kaltura Brightspace widget. A KAF module is composed of a set of **configuration fields**. All KAF modules are listed on the left menu in your KAF Admin Console instance.

Configuration Management

Developer Tools
 How to enable 'Developer Tools'?

Hosted

Global

Field Name	Value	Description
enableKaf	Yes	Enable the Hosted module
enableLow	No	Enable the Low status for assets
allowEditPublished	Yes	Enable editing of published assets
allowDeletePublished	Yes	Enable deletion of published assets
enableEntryDelete	Yes	Enable deleting the media from MediaSpace
enablePresentation	Yes	Enable users to create and display video presentations?
enableViews	No	Enable showing number of views per asset
showPageTitles	Yes	Show page titles
expandButton	Auto	Place expand button. Auto is on only if there are metadata (providing an entry object)
maxPublish	Yes	Enable publish to a list of categories - from the menu, media, and upload. Disable the Free click



NOTE: Your KAF Admin Console may display modules and configuration fields that are not listed in this guide, some of which may be disabled. It is important that you do not modify the configuration of the disabled modules (and not enable them) without consulting with your Kaltura representative.

The following KAF modules are required for configuring the Kaltura Brightspace plugin and are described in this guide:

Global

- [Application](#)
- [Auth](#)
- [Categories](#)
- [Channels](#)
- [Client](#)
- [Debug](#)
- [Gallery](#)
- [Header](#)
- [Metadata](#)
- [Moderation](#)
- [Player](#)
- [Security](#)
- [Widgets](#)
- [Search](#)
- [MediaCollaboration](#)
- [PlaylistPage](#)

Modules

- [Addcontent](#)
- [Attachments](#)
- [Captions](#)
- [CaptureSpace](#)
- [ChannelPlaylists](#)
- [Chapters](#)
- [Cielo24](#)
- [Clipper](#)
- [Comments](#)
- [Downloadmedia](#)
- [Embed](#)
- [EmbedPlaylist](#)
- [SidemyMedia](#)
- [Publish](#)
- [Thumbnails](#)
- [Userreports](#)

Modules/Channels

- [Channelmoderation](#)

Modules/Entry Types

- [Audioentry](#)
- [Imageentry](#)
- [Quiz](#)

Modules/Custom/Core/KAF

- [Hosted](#)
- [Hostrelated](#)
- [D2L](#)

Brightspace KAF Administration: Actions and Configurable Fields

Your KAF account comes pre-configured with the following settings. Items marked with * **should not be** changed.

General Settings

Module	Module	Module
Application	Application	Application
Auth	Auth	Auth
Debug	Debug	Debug
	VerifySSL	Yes (set to No if SSL is not used)
Security	Security	Security
Addcontent	Addcontent	Addcontent
Userreports	Userreports	Userreports
Publish	Publish	Publish
D2L	D2L	D2L
Hosted	Hosted	Hosted
	enabled	Yes
	enabledEntryDelete	Set to <i>No</i> if you want to prevent users from editing entries after they have been published to a course Media Gallery.
	allowEditPublished	Set to <i>No</i> if you want to prevent users from deleting entries after they have been published to a course Media Gallery.
	enableEntryDelete	Set to <i>No</i> to completely prevent users from deleting entries.
	manPublish	Yes*
	authMethod	Lti

Mandatory Configuration

After installing the Kaltura Brightspace plugin 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 in the KMC. It will automatically update in the KAF Admin Console.

Configuration Management: Global



NOTES:

1. Some fields are displayed only when you select a specific value for a different field.
2. The group's configurable fields follow the group name.

To modify KAF configuration modules

- In the KAF Admin window select the Manage Configuration tab.

Application

Field	Description
instanceId	Unique string to identify that installation of Brightspace. This value can be set during installation only.
privacyContext	String used to be set as privacy context on root category. This value can be set during installation only.
userRoleProfile	Metadata Profile ID for user's role per KAF installation instance
title	What is your Brightspace website title? The website title is displayed in the browser's title bar and usually is displayed in search engine results. Page titles consist of the name of the currently loaded media and the website title. For example, if a page has a video called 'My Video' and 'Brightspace' is the website title, the page title is: 'My Video – Brightspace'.
footer	What is your Brightspace footer text? default is: Brightspace video portal by Kaltura
language	Which language should KAF use? Note: Language files are in /locale/kms/{LANG}/default.po. See here for the list of supported KAF localization languages
enableLike	Enable the 'Like' feature for entries. This should be configured in the Hosted module.
enableWebcam	Enable or Disable the Webcam upload.
enableEntryTitles	Include the media title in the URL of the media page when browsing the site and sharing a link to the media.
allowEditPublished	Enable editing of published entries. This should be configured in the Hosted module.
allowDeletePublished	Enable deletion of published entries. This should be configured in the Hosted module.
enableEntryDelete	Enable deleting the media from KAF. This should be configured in the Hosted module.
enableViews	Enable showing number of views per entry. This should be configured in the Hosted module.
showPageTitles	Show page titles. This should be configured in the Hosted module.

Field	Description
enableUnlisted	Enable setting entries as unlisted. An unlisted entry can be viewed by anyone with the link to the entry page. Unlisted media can be accessed by anyone with a direct link to the media page and will not be displayed in search results. This is not relevant for KAF applications including Brightspace
timezone	Which timezone should KAF use to present times and dates..
assetConsolidationEnabled	Enable assets (js/css) consolidation and minification.

Auth

Field	Description
demoMode	Enable the demo login mode? After entering any user or password combination, the user has an admin role
showLogin	Show login / logout menu on site header
phUser phPwd	user ID alternate field placeholder password alternate field placeholder
phLoginInstruction	login instructions
authNAdapter	What is the name of the PHP class for handling authentication? KalturaAuth enables the built-in User Management system (located at /admin/users). LdapAuth lets you use your organizational LDAP/AD server to authenticate users. To use your own custom class, click 'Add custom value' and enter the custom class name.
authZAdapter	What is the name of the PHP class for handling authorization? Authorization determines the user's role. KalturaAuth enables the built-in User Management system (located at /admin/users). LdapAuth lets you use your organizational LDAP/AD server to determine roles. To use your own custom class, click 'Add custom value' and enter the custom class name.
allowAnonymous	Can users access MediaSpace/KAF without logging in? If you select 'yes,' anonymousRole users can browse the galleries and view videos. For anonymousRole users, links/buttons for actions that require more advanced roles are displayed. When an anonymousRole user clicks a link/button that requires a more advanced role, a login screen is displayed.
anonymousGreeting	What text should be used in the header instead of an actual user name?
sessionLifetime	How long can a MediaSpace/KAF user session last?
sslSettings	Select your option for a secure login page (via https).
forgotPassword	
link	The 'link' options are: [1] Empty the value if you do not want a 'Forgot Password' link to be displayed. [2] Enter an email address preceded

Field	Description
	by 'mailto:' (without quotes). The user's local email client opens an email with the subject and body populated with the texts defined in the 'emailSubject' and 'emailBody' fields. [3] Enter a URL for a page that you define (for example, a mechanism for reminding users of their login credentials). Note: Do not enter 'true.'
emailSubject	If you enter an email address in the 'link' field, enter the text to populate the subject field of the email. If you do not want to populate the subject field, enter an empty string (' ').
emailBody	If you enter an email address in the 'link' field, enter the text to populate the body of the email. If you do not want to populate the body, enter an empty string (' '). For KalturaAuth's User Management send new password feature: (If authClass is set to KalturaAuth, MediaSpace/KAF exposes a user management system. This system's admin can click on a user's email to open the admin's local email client to email the new password to the user.)
reminderSubject	Enter the text to populate the subject field of the 'new password' email. If you do not want to populate the subject field, enter an empty string (' ').
reminderBody	Enter the text to populate the body of the 'new password' email. The password will be inserted automatically at the end of the body text. If you do not want to populate the body, enter an empty string (' ').

Categories

Field	Description
rootCategory	Which root category does Brightspace use for all categories and content? A root category must be defined in the KMC.
restricted	Restrict categories to specific roles. Only users with the specified role can view media in the restricted category. Only users with adminRole or unmoderatedAdminRole can add media to the restricted category.
category	Select a category to restrict.
roles	Select one or more roles that can access the restricted category. Use 'Ctrl' to select multiple roles.

Channels

Field	Description
entriesPageSize	How many entries can be displayed on each channel/course page? (The default is 15)
pagerType	Which kind of paging mechanism should be used in the channel/course page?

Client

Field	Description
serviceUrl	The URL of the service for API calls. Modify the URL if you use the Kaltura On-Prem Edition.
CDNUrl	<p>The CDN regular URL Used for Player and html5lib. Leave empty for default.</p> <p>You can change the Kaltura Server CDN URL used by the Kaltura HTML5 player and player embeds. The default value is http://cdnapi.kaltura.com. To update your CDN URL, add the URL in this field.</p> <p>Note: When configuring a KMS site to HTTPS, also change the CDN URL to https://cdnapisec.kaltura.com.</p>
SecuredCDNUrl	The CDN secured URL. Used for Player and html5lib. Leave empty for default.
partnerId	Copy your Kaltura account's Partner ID from the Kaltura Management Console (KMC): KMC->Settings->Integration Settings.
secret	Copy your Kaltura account's user secret from KMC->Settings->Integration Settings (http://www.kaltura.com/index.php/kmc/kmc4#account integration). Kaltura uses your user secret to create secure sessions to access the Kaltura API.
adminSecret	Copy your Kaltura account's administrator secret from KMC->Settings->Integration Settings (http://www.kaltura.com/index.php/kmc/kmc4#account integration). KAF uses your administrator secret when you need an 'admin' session, which allows more actions than a user secret session.
verifySSL	Set to No, if you want to use SSL with a self-signed certificate.

Debug

Field	Description
logLevel	Debug level of the KAF Log File (logs/kms.log)
kalturaDebug	Enable debug log of requests to the Kaltura API (logs/apidebug.log)
kalturaStats	Enable stats log of requests to the Kaltura API (logs/api.log)
emailErrors	Enable sending emails in case of errors

Gallery

Field	Description
pageSize	How many entries can be displayed on each gallery page? (The default is 10.)
pageSizeWide	How many entries can be displayed on each gallery page in the Wide

Field	Description
	gallery view (for example, search results, playlists)? (The default is 24.)
pageCount	How many page links can be displayed in the gallery pager? (Dots represent page links that are not displayed.)
pagerType	Which kind of paging mechanism should be used in the gallery page?
sortMediaBy	By default, how should media in the gallery be sorted?
globalSearchSortMediaBy	By default, how should media in the global search be sorted?
thumbnailRotator	Enable thumbnail image rotation on mouse over in galleries
categoryDefaultView	Default view for categories. You can define optional view modes for media items inside Galleries. Choose from Grid, Collapsed view or Detailed view.
categoryExplicitDateFormat	Explicit date format.

Header

Field	Description
headerStyle	Which background and matching theme should Brightspace use for the header?
logolmageUrl	The option to load logo from URL - specify the URL of the logo. If URL is specified it will be used instead of logolmage (above). Default logo size is 325px wide X 41px high. Note: The width of the logo image affects the amount of space available for the Header menu. (See menu configuration below.)
logoAltText	The 'logoAltText' options are: [1] If you insert an image file in the 'logolmage' field, you may enter alternate text for the tag's 'alt' attribute; [2] If you enter 'false' or an empty string in the 'logolmage' field, you must enter text for the page header.
logoLink	The options for defining the behavior when a user clicks the logo are: [1] Enter 'false' if you do not want the logo to be clickable; [2] Enter 'home' to display the home page (displayed when MediaSpace/KAF opens); [3] Enter a full URL (starting with http://) to open a different page in a new browser window/tab.
enableUploadButton	Enable or Disable the 'Add New' button in the site's header

Metadata

Use the Metadata module to define what types of metadata users are able to provide when uploading new content to their My Media or to a course Media Gallery.

Field	Description
descriptionRequired	Require users to fill in the 'Description' field when uploading or editing media?
tagsRequired	Require users to fill in the 'Tags' field when uploading or editing media?
readMoreEnabled	Enable/disable read more for entry description - shortening to 500

Field	Description
	characters. Notice : channel and category description is always shortend.
metaDataInReadMore	If enabled metadata is hidden until clicking on 'read more...' works for all descriptions - entry/channel/category
basicNameFieldHelperText	Tooltip comment for the Name field when uploading or editing an entry.
basicDescriptionFieldHelperText	Tooltip comment for the Description field when uploading or editing an entry.
basicTagsFieldHelperText	Tooltip comment for the Tags field when uploading or editing an entry.
showDescriptionInTooltipMeta	Choose whether to display field's description as a tooltip

Moderation

Field	Description
reasonSex	Please provide the reasons Brightspace users can choose for flagging media. (If none are provided, the default Kaltura reasons will be used)
reasonViolence	Please provide the reasons Brightspace users can choose for flagging media. (If none are provided, the default Kaltura reasons will be used)
reasonHarmful	Please provide the reasons Brightspace users can choose for flagging media. (If none are provided, the default Kaltura reasons will be used)
reasonSpam	Please provide the reasons Brightspace a reasons will be used)

Player

Kaltura Video Tool for Brightspace instances are automatically created using the [Kaltura v2 Player](#).

Module	Fields	Description
Player	playerId	What is the player ID (uiConf ID) of the player that plays the embedded video?
	playerBarHeightPixels	The height (in pixels) of the player ui which is not part of the actual video (for example - the bottom bar)
	playerVideoRatioPercent	The ratio (in percent) of the video inside the player. Standard values: 16:9 = 56.25 , 4:3 = 75 , 16:10 = 62.5
	playerEditId	What is the player ID (uiConf ID) of the player that edits entries?
	autoPlayOnLoad	When KAF loads, should the video that is loaded in the player begin playing automatically? Notes: (1) Autoplay is triggered when KAF starts and each time a new page loads, such as when switching from My Playlists to a gallery page. (2) The player always begins playing automatically when a user clicks a video in a gallery, regardless of whether autoPlayOnLoad is enabled.

Module	Fields	Description
	playback	<p>Which Playback method should KAF use? Kaltura Auto' is the default playback option for a new KAF instance.</p> <p>KAF administrators can select additional playback options. From <i>Player > playback</i>, select any of the following options:</p> <ul style="list-style-type: none"> • Auto - Kaltura server chooses between HTTP Progressive Download and Akamai's HTTP Adaptive Streaming, based on entry duration and available flavors. Auto gives you the best video delivery and playback quality for your entry. • HTTP Progressive Download – Allows you to pause the video playback and wait for the content to download. Typically used where viewers have very limited bandwidth and might experience more buffering than adaptive bitrate. • HTTP Streaming (HDS) - HTTP streaming based on Adobe technology. Allows adaptive bitrate so the player can adjust the video quality on the fly based on network and CPU conditions. • HTTP Streaming (Akamai HD) – HTTP streaming based on Akamai's technology. Allows adaptive bitrate so the player can adjust the video quality on the fly based on network and CPU conditions, formally called Akamai HD. • RTMP Streaming – RTMP streaming based on Adobe technology. Allows adaptive bitrate so the player can adjust the video quality on the fly based on network and CPU conditions. • Secure Transport (RTMPE) - RTMP encrypted using Adobe's security mechanism which wraps the RTMP session in a lighter-weight encryption layer.
	playerModerationId	What is the player ID (uiConf ID) of the player shown in moderation pages?

Security

Field	Description
allowLoadInIframe	Allow KAF to be loaded in Iframe. The default is NO for XFS.

Widgets

Field	Description
ksuld	What is the uiConf ID of the Kaltura Simple Uploader (KSU)? KAF uses KSU to upload videos, images, and audio files.
krecordId	What is the uiConf ID of the kRecord widget? KAF uses kRecord to record and upload video from a webcam.
rtmpUrl	What is the URL of your RTMP Server? The URL is required for Webcam recording.
krecordDefaults	Configure recording details. Select Yes, to expose additional fields to configure the webcam widget quality.
emailErrors	Enable sending emails in case of errors.

Search

Field	Description
entriesPageSize	How many entries to show in timeline tab search results.
inVideoPageSize	How many results to show in timeline tab for each entry in the results.

MediaCollaboration

Field	Description
mediaCollaborationEnabled	Enable MediaCollaboration module.
changeOwnerEnabled	This field is available when the MediaCollaboration module is enabled. The change owner feature has a special configuration for the co-editor/co-publisher and can be set to enable or disable the co-editor or co-publisher without any dependencies.

To add a user as co-editor or co-publisher, the user must log in to KAF prior to using this feature.

Enable this module to change the media owner and edit co-editors and co-publishers.



NOTE: If configuration is set to 'no' after it was set to 'yes' and in the interim, entries were added with co-editors and co-publishers, all co-editors and co-publishers will lose their ability to view, edit or publish those entries.

Configuration Management: Modules



NOTES:

1. Some fields are displayed only when you select a specific value for a different field.
2. Field group names are in bold. The group's configurable fields follow the group name.

Addcontent

Field	Description
enabled	Enable the Addcontent module.

Attachments

Enable this module to:

- allow media owners to attach files of any type to their media,
- Enable media viewers to download the file before, during or after viewing.

Field	Description
enabled	Enable the Attachments module.

Captions

Field	Description
enabled	Enable the Captions module.
captionsKsuld	What is the uiConf ID of the Kaltura Simple Uploader (KSU) used for captions? KAF uses KSU to upload .SRT and .DFXP caption files.
thumbnailRotator	Enable thumbnail image rotation on mouse over in captions search results
entriesPageSize	How many entries are displayed as captions search results on each page? (The default is 10)
captionsPageSize	How many caption lines are displayed for each entry in search results? (The default is 5)

Capturespace



NOTE: The CaptureSpace module replaces the Screencapture module.

Field	Description
enabled	Enable the Capturespace module.
FTP - CaptureSpace SFTP drop folder – the relevant fields are indicated in italics and are for CaptureSpace Full clients version 4.44 and before	
<i>server</i>	CaptureSpace SFTP server
<i>path</i>	CaptureSpace SFTP server path
<i>user</i>	User name of CaptureSpace SFTP drop folder
<i>password</i>	Password of CaptureSpace SFTP drop folder
AddNewLabel	Label for the 'Add New' menu item.

Field	Description
AddNewLabelLite	CaptureSpace is currently enabled for this environment. This setting is not relevant for your environment.
Allow DownloadingClient	Allow end users to download the personal capture recording agent from KMS.
allowedRoles	Who can create Lecture Captures? if a role is selected, any role above it will also be able to create Lecture Captures.
entryURL	What URL to show the user after the captured media is uploaded. Leave blank for KMS base URL
recordingLimit	Sets max recording length for CaptureSpace recordings in minutes.

Channelplaylists

There are three admin modules used to configure the Channel Playlists: For reference, the Channelplaylists modules are used to create and modify course playlists.

- Channelplaylists
- [PlaylistPage](#)
- [Embedplaylist](#)

Field	Description
enabled	Enable the ChannelPlaylists module
channelPlaylistsTabName	The title of the tab which will be added to the channel (Media Gallery) and will be presented first.
entriesSource	Add media to the playlist from the cahnnel gallery itself, from My Media or from all entitled areas in the site.

From this page you can:

- [Enable the Channel Playlists feature](#)
- [Rename the Channel Playlists tab's name](#)

Enabling Course Playlists

1. Course Playlists (Channelplaylists) activated by default for the Brightspace Video Tool.

To enable Course Playlists

From the **Channelplaylists** page change the setting in the **enabled** field from **No** to **Yes**.
Click **Save** to apply the changes.

Renaming the Playlists Tab

Admin users can rename the Playlists tab that appears in Media Gallery page:

 **To rename the Playlists tab:**

From the **Channelplaylists** page change the setting in the **CoursePlaylistsTabName** field from **Playlists** to any value you want.

Click **Save** to apply the changes.

PlaylistPage

The configuration page dedicated to generating a player ID is accessed from the **Configuration Management** page **Global** sub-category **PlaylistPage** You can generate a player ID or refer to the playlist player ID in this module if you need to use the player ID number.

Field	Description
playerId	Enter the Playlist playerId. The playerId field is initially empty and the following message is displayed: "Create a Playlist player ID (uiConf ID) for playlists dedicated view page". Click Create to generate the player ID.

Embedplaylist

The configuration page dedicated to activating and configuring the Embed Feature is accessed from the **Configuration Management** page **Modules** sub-category **Embedplaylist**.

Clicking **Embedplaylist** opens the Embed configuration page:

From this page you can:

- Enable the Embed Feature
- Define who (what Role) will be able to use the Embed feature by choosing one of the options in the PlaylistEmbedAllowed.
- Direct users to the SSO Login page by setting the value of autoRedirect to Yes.
- Define if the redirect for authentication will be in the top of the browser window (for global authentication) or in an iFrame.
- Create your own redirect message in autoRedirectMessageHTML.
- Define the HTML text (may include links) to display inside the iFrame in case a user is only allowed to a subset of the playlist content due to entitlements with authorizedForSubsetHTML.
- Define the HTML text (may include links) to display inside the iFrame if autoRedirect is set to False with notAuthenticatedHTML.
- Define the HTML text (may include links) to display inside the iFrame in case Kaltura Entitlement authorization fails with notAuthorizedHTML.
- Specify the URL to an alternate CSS, to allow a customer to customize the iFrame design to fit corporate style guide with overrideCSSURL.
- View skin colors and positions, V2 player types and player sizes.

Field	Description
enabled	Enable the Embedplaylist module.
playlistEmbedAllowed	Select one or more roles that can use the Embedplaylist module. Use 'Ctrl' to select multiple roles.

Field	Description
embedSkins	Define skins that can be used for embedded playlists.
light_horizontal	
dark_horizontal	
light_vertical	
dark_vertical	
embedSizes	Define sizes that can be used for embedded playlists.
horizontal	
vertical	

Chapters



NOTE: The minimum player version required for the Chapters module to work is v2.26.

Field	Description
enabled	Enable the Chapters module.

For additional information about chapter see the article [The Kaltura Player- Editing/Deleting Chapters and Slides](#) in the Kaltura Knowledge Center.

Cielo24/REACH

This module allows customers to order, manage and search transcription and caption services directly from KAF. This service is associated with a cost, please contact your Kaltura representative for additional information.

Field	Definition	Description	Variable
userName	The username of your cielo24 account.	This is provided directly from cielo24 or provisioned through “ auto-provisioning ”. If you do not have a username or password, please reach out to your Kaltura rep or cielo24 at sales@cielo24.com.	
password	The password of your cielo24 account.	This will be provided along with the cielo24 username. If you are using an apiKey, you	

Understanding the Setup Process

		do not require a password. Please see userName description for details around procuring a password.	
apiKey	APIKey for secure (instead of password)	This is used as an alternative to the password (above). Also provided by cielo24.	
serverUrl	cielo24 Server URL.	https://api.cielo24.com	https://api.cielo24.com
logo	cielo24 Logo	Hide or show the cielo24 logo on Order Captions screen.	Show Hide
orderCaptionScreenText	Display info text on Order Caption screen.	There this 100 character limit. This feature can be used to communicate simple messages to users on the order captions panel, typically instructive or descriptive.	
AllowOrdering	Select User Roles to set who is able to request captions.	Users who are logged in with an enabled permission role, will have the “Order Captions” button available.	
allowOrderingSpeakerName	Select User Roles to enable adding speaker identification	Users who are logged in with an enabled permission role, will to add Speaker name identification to caption order requests	
requireRequestsAuthorization	If enabled, caption requests must be approved before processing.	Captions submissions are not sent into moderation prior to processing. The request will require “Approval” or “Rejection” from an administrator role. While approving the request, the moderator	Yes No

Understanding the Setup Process

		also has the capability to adjust request parameters for fidelity and turnaround time prior to approving.	
requireAuthMechanicalFidelity	If enabled, mechanical caption requests must be approved before processing begins.	If disabled and requireRequestsAuthorization is enabled, mechanical caption requests will be processed automatically without approval.	Yes No
allowAuthorize	Users enabled will be able to authorize and delete caption requests.	This setting is tied directly to requireRequestsAuthorization and requireAuthMechanicalFidelity configurations.	
allowEdit	Users enabled will be able to edit completed caption using the Customer Edit Tool.	For permitted User Roles 'edit captions' will be available from the 'Actions' drop down of the media entry. Please find instructions for using the customer edit tool here .	
allowView	Users enabled will be able to view all caption requests for an entry.	For permitted User Roles 'view captions' will be available from the 'Actions' drop down of the media entry.	
language	Language set will be default language for all caption requests.		
languageOverride	Select User Roles enabled to adjust the source language of caption requests.	This provides the ability for users to select native foreign language processing i.e. (Spanish audio into Spanish captions/transcripts)	
additionalLanguage	Select User Roles enabled to request foreign language translation when ordering captions.	cielo24 supports English into 15 supported languages, as well any of the listed	

		<p>languages into English. Custom translation will need to be requested directly from cielo24 by contacting support@cielo24.com. Translation requests will automatically perform native transcription first, and then translation from native transcription to requested language. For example, if 'Request Foreign Language Translation' is enabled and you select a language to translate (e.g. Source Media Language = English and Target Translation Language = Hebrew) the request will process in two parts automatically A) Native Transcription (return English captions) B) Foreign Translation (return Hebrew captions).</p>	
fidelity	Set value is default fidelity for caption requests	Choose the default accuracy options (Professional, Premium, Mechanical)	<p>Professional (99%)</p> <p>Premium (94 to 96%)</p> <p>Mechanical (70 to 80%)</p>
fidelityOverride	Select User Roles enabled to change the requested fidelity of caption requests.	Allows users to select the various accuracy options (Professional, Premium, Mechanical)	
fidelityChoices	Enabled options will be available fidelity choices when ordering captions	Configures the fidelity options permitted users are able to choose from when selecting accuracy levels.	<p>Professional (99%)</p> <p>Premium (94 to 96%)</p> <p>Mechanical (70 to 80%)</p>
turnaroundTime	Default value for turnaround time of caption requests	Choose the default turnaround time for English transcription	Standard (7 days)

		requests.	<p>Standard (48 hours)</p> <p>Priority (24 hours)</p> <p>Critical (6 hours)</p> <p>Critical (3 hours)</p> <p>Custom</p>
turnaroundTimeChoices	Enabled options will be available turnaround time choices when ordering captions	Configures the turnaround options permitted users are able to choose from when changing processing times.	<p>Standard (7 days)</p> <p>Standard (48 hours)</p> <p>Priority (24 hours)</p> <p>Critical (6 hours)</p> <p>Critical (3 hours)</p> <p>Custom</p>
turnaroundTimeOverride	Select User Roles enabled to choose turnaround time value when ordering captions	Allows users to select the various turnaround options (24 hours, 48 hours, 7 days, etc.)	
format	File format of returned caption file to KMC	Default is DFXP.	<p>DFXP</p> <p>SRT</p>
showMediaDataAsTags	Allow media data to appear as tags on entries that have been processed	cielo24 provides media data (keywords, topic, entities, speaker names, etc.) about a given media file. By enabling this setting these outputs are displayed at Tags.	
progressiveReturn	Select User Roles enabled to set progressive return	Progressive return is the interim delivery of all three fidelities (accuracies) cielo24 provides. Media will initially be processed at the Machine output and data will be	

		populated within Mechanical SLA, followed by the Premium fidelity, ending in the Professional quality.	
progressiveReturnDefault	If enabled progressive return will be turned on my default	Videos selected at Professional fidelity will be processed with Progressive Return (see progressiveReturn description) workflow by default.	Yes No
allowNotes	Select User Roles enabled to add special notes to transcriptionists when ordering captions for a specific entry	Notes serve as a resource for cielo24's transcription team to aid with difficult technical terminology, domain information, and names.	
glossary	This text will be shown as notes to transcriptionists for ALL caption requests from your account	Glossaries can be added on an account level to provide a rolodex of terminology, genres, names, etc to cielo24's transcription team.	
cielo24ProfileId	Custom metadata profile ID for cielo24	This will be set automatically when the plugin is enabled.	

For additional information about cielo24/reach, see the [Kaltura REACH Administrator's Guide](#) on the Knowledge Center.

Clipper

Enable this module to create a Clip button in the Edit Media page. The Create Clip feature allows media owners to create clips directly from the Edit Media page.

Field	Description
enabled	Enable the Clipper module.
showClipAttribution	Should a clipped entry page contain an attribution to the original entry.
clipKdpUiConfId	What is the uiConf ID of the clipper kdp.
clippAppUiConfId	What is the uiConf ID of the clipp App.
clipperProfileId	The clipper custom data profile id.)

Comments

The Comments module is used to enable users to add comments to videos and to have conversations around published entries. By default, all comments are public and are visible to all viewers of the entry. For example, if a video is shared in two courses, Course A and Course B, and a student in Course B adds a comment to the video, the comment will be visible to members of Course A. A course owner may choose to keep all comments for the course videos, private, however, public comments from other courses will be visible.

Field	Description
enabled	Enable the Comments module.
channelCommentsProfileId	Custom Metadata profile Id for channels
entryCommentsProfileId	Custom Metadata profile Id for entries
entryCommentsCountProfileId	Custom Metadata profile Id for entry comments count
commentsAllowed	Who can add comments?
pageSize	Number of comments to display
sort	Sort comments by newest or oldest first?
sortReplies	Sort replies by newest or oldest first?
allowClose	Allow content owners to disable/close comments for particular entries
showInGalleries	Enable/disable showing of comments for entries in the gallery page
showInChannels	Enable/disable showing of comments for entries in the channels page
showInChannelsOnly	Show comments on media entries to users only in the context of a channel/gallery. In this case, users will not be able to see media comments if browsing to the media from search results, my media or any other context that doesn't include the context of the channel/gallery. To enable this feature, from the KAF Admin > Comments set showInChannelsOnly to Yes.
showAddTimedCommentsCheckbox	Show Add comment at mm:ss checkbox.
showPrivateCommentsConfig	Show configuration for setting private comments per gallery/channel

Downloadmedia

Enable this module to configure downloadable versions of the media for viewers to download from the media page.

Field	Description
enabled	Enable the Downloadmedia module.
downloadRoles	Select one or more roles that can use the Downloadmedia module.

Field	Description
downloadFlavors	Click Add Download Flavors to configure the flavors that will be visible to the media owner to choose from. You, the admin, choose as many flavors as you want from the list of the transcoding profiles, as they appear in the KMC. You then can name the flavors as they should be displayed to the media owner. If no name is given, the flavor default name in Kaltura is used as the default name. The final list that is displayed to the media owner includes the list that was chosen by the admin, the flavors that are actually set (in the KMC) for this KAF instance and all other available flavors on the specific entry. It is advised that the KAF admin will verify with KMC admin what flavors are checked for the account beforehand.

Example of Downloadmedia Configuration

downloadFlavors

1 DELETE

flavorId SD/Small - WEB/MBL ▾
Select a flavor which will be available to be downloaded via the native app.

name mobile
Enter the label for the flavor.

2 DELETE

flavorId Basic/Small - WEB/ME ▾
Select a flavor which will be available to be downloaded via the native app.

name small
Enter the label for the flavor.

3 DELETE

flavorId SD/Large - WEB/MBL ▾
Select a flavor which will be available to be downloaded via the native app.

Embed

Field	Description
enabled	Enable the Embed module.
showMediaURL	Show link to media page.
emailShare	Sharing by email
allowEmbedIframeShare	Allow/Restrict sharing using 'iframe'. This configuration is only supported for non v2 supported players

Field	Description
embedAllowed	Select one or more roles that can use the Embed module. Use 'Ctrl' to select multiple roles. End-users can share Kaltura unlisted and published media via Email. This is available in share tab, like media grab embed and page link. The media will be shared by the default mail client on the machine.
embedSkins	Define skins that can be used for embedded players.
name	What is the name of the skin? The skin name is displayed when the user selects an embed skin.
imgFile	What is the relative path to the image file on the server? The image file represents how the skin looks.
uiConfld	What is the numerical value of the player ID to use in the embed code?
embedSizes	Define sizes that can be used for embedded players. Define the player size in the following format: {width}x{height}
large	608x402
medium	400x285
small	304x231

Publish

Field	Description
enabled	Enable the Publish module.
defaultPublishStatusOnUpload	Define the default privacy for each newly uploaded media. Prior to this change, each newly uploaded media's status was set to "Private" as the default. Now, MediaSpace administrators can configure every newly uploaded media to be set as "Unlisted" by default, and allow the media owner to change the privacy mode. To configure this option, set the required value for defaultPublishStatusOnUpload . Note that this configuration is applicable only if Unlisted mode is enabled on your MediaSpace instance. You can check if it is enabled under Application > enableUnlisted.
manPublish	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.

Sidemymedia

Field	Description
enabled	Enable the Sidemymedia module.
limit	How many Sidemymedia items can be displayed?

Thumbnails

Enable the thumbnails module to allow end users to update thumbnails of entries they own.

Field	Description
enabled	Enable the Thumbnails module.
thumbnailsKsuld	What is the uiConf ID of the Kaltura Simple Uploader (KSU) used for thumbnails upload? KAF uses KSU to upload thumbnails files.
extensionWhitelist	define allowed extensions, example: jpg, png, jpeg, gif (one item per extension)

Userreports

Channel/Course Managers can measure and analyse the user engagement and contribution to their channels/courses. These contextual analytics allow channel/course managers to answer important questions such as: What are the most popular videos in the channel/course? Who are the members that watch the most videos and what is their drop off rate? Who are the members that contribute the most media to the channel/course?

The mediaAnalytics field should be enabled to display the Analytics page. The Analytics page is accessed from the 'Actions' drop down of the entry page. The Analytics report is identical to the analytics for the entry in the KMC.

Field	Description
enabled	Enable the Userreports module.
mediaAnalytics	Enable media analytics for media owner
num_days	Default number of days
page_size	Default page size

Configuration Management: Channel Modules

Channelmoderation

You can define whether new Media Galleries that are created should be moderated by default. In addition, Brightspace administrators can configure if the moderation option can be disabled by Media Gallery managers, to comply with use cases where moderation must be enforced. In the *Channelmoderation* module, you can set the *moderationDefaultValue* to define if the moderation option should be enabled or not by default when Media Galleries are created.

- If forceModeration = None then the moderationDefaultValue comes into play and the default value is set accordingly
- If forceModeration = Moderated or Not Moderated then this field is the stronger one and sets the default behavior.

Module	Fields	Description
Channelmoderation	enabled	Enable the Channelmoderation

		module.
	forceModeration	Force moderation on every new Media Gallery creation.
	moderationDefaultValue	Default value when moderation checkbox is enabled

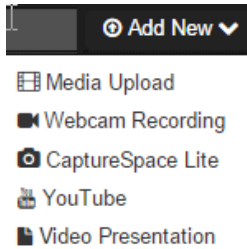
Configuration Management: Entry Type Modules

Authoring Methods

The KAF Admin Console provides great flexibility in configuring different authoring methods users can utilize for creating new content. To date, the following methods are available (with additional methods to be added in the future):

- Uploading media from a local machine
- Capturing a video from a webcam using the Kaltura Webcam Recorder (KRecord)
- Adding a Video Presentation
- Creating a new screencast using CaptureSpace Lite.

Please refer to the [Kaltura Video Extension for Brightspace by D2L User Guide](#) for more details about need to revise linkeach of these methods.



Audioentry

Field	Description
customPlayerId	What is the player ID (uiConf ID) of the player that plays audios? Leave blank to use the default player.
playerBarHeightPixels	The height (in pixels) of the custom player ui which is not part of the actual video (for example - the bottom bar). Leave blank to use the default player value.
playerVideoRatioPercent	The ratio (in percent) of the audio inside the player. Standard values: 16:9 = 56.25 , 4:3 = 75 , 16:10 = 62.5. Leave blank to use the default player value.
embedSizes	Define sizes that can be used for embedded players. Define the player size in the following format: {width}x{height}. This setting requires a custom player. If a custom player is not specified, the audio entry uses the default video player.

Imageentry

Field	Description
imagePlayerId	What is the player ID (uiConf ID) of the player that shows images?
imageWatermarkUrl	What is the URL of the image that should be used as watermark?

Quiz

Field	Description
enabled	Enables the Quiz module.
quizPlayerId	What is the player ID (uiConf ID) of the player that plays quizzes?
playerBarHeightPixels	The height (in pixels) of the player ui which is not part of the actual video (for example - the bottom bar). Leave blank to use the default player value.
playerVideoRatioPercent	The ratio (in percent) of the video inside the player. Standard values: 16:9 = 56.25 , 4:3 = 75 , 16:10 = 62.5. Leave blank to use the default player value.
BSEPlayerId	What is the player ID (uiConf ID) of the player that used to play quizzes in BSE? Uiconf should have the infoScreen plugin enabled

For additional administration information, see the [Kaltura Interactive Video Quizzes Administrator's Guide](#) in the Knowledge Center. Custom/Core Modules/KAF

D2L

Field	Description
enabled	Enables the D2L module. This setting is preconfigured and should not be changed

Hosted

Field	Description
enabled	Enables the Hosted module. This should not be changed.
enableLike	Enable the 'Like' feature for entries.
allowEditPublished	Set to <i>No</i> if you want to prevent users from editing entries after they have been published to a course Media Gallery or embedded using the Browse, Search and Embed module.
allowDeletePublished	Set to <i>No</i> if you want to prevent users from deleting entries after they have been published to a course Media Gallery or embedded using the Browse, Search and Embed module.
AllowUnpublishPublished	Set to <i>No</i> if you want to prevent users from setting entries to private after they have been published to a course Media Gallery or embedded using the Browse, Search and Embed Module

Field	Description
enableEntryDelete	Set to <i>No</i> to completely prevent users from deleting entries
enableViews	Enable showing number of views per entry.
showPageTitles	Enable showing page titles
expandButton	Player expand button. Auto is on only if there are modules providing an entry sidebar.
manPublish	Yes. This should not be disabled.
authMethod	LTI. This should not be disabled
sharedRepositoryCategoryId	For KAF applications that support Shared Repository, this will show the category ID for that repository. Not relevant for Brightspace integration
LTI Role Mapping	This section provides flexible mapping between LIS (LTI) roles, that are assigned to each user within the LMS, to Kaltura roles allowing granular control over the different KAF components within the LMS
kmsRole	KAF Applicative role, set by the KAF administrator to define permissions outside of course context
kmsContextualRole	KAF Contextual role, set by the KAF administrator to define permissions inside of course context
allowedSharedRepository	Defines whether this role has access to Shared Repository inside the Shared Repository module and within Browse, Search and Embed.
ltiUserIdAttribute	The LTI attribute from which to take the user ID from. If not specified, user_id will be used.
ltiOutcomeServiceURL	he url to return the response to
ltiReturnUrlType	The type of the returned url.

Hostedrelated

When enabled this module displays the entry viewed from a channel (course) on the sidebar. You can see entries from the same channel. Only one modules sidebar is shown in KAF

Field	Description
enabled	Enables the Hostedrelated module.
limit	How many related media items can be displayed?

Roles and Permissions



Related KAF modules: [Hosted](#)

See [Common Use Cases of Roles Configuration](#) for recommendations for common role configurations in the Kaltura Brightspace plugin.

Introduction to Role Mapping

The Kaltura Brightspace plugin implements role mapping from Brightspace roles to Kaltura roles via [LIS roles](#). Each role that is assigned to a user in Brightspace is mapped to one of the roles defined in the [LIS standard](#). When a user is assigned with a role in a Brightspace course – Student or Teacher for example – Brightspace translates this role to an LIS role which is then sent to KAF. On KAF's side, a dedicated module provides flexible mapping between LIS roles and Kaltura roles, allowing a granular control over the behaviour of the different components of the Kaltura Building Block.

This process is described in the following workflow:



Workflow:

1. Users are [assigned a](#) Brightspace, [System, or course-level](#) role.
2. Brightspace [maps the corresponding LIS role to Kaltura](#).
3. [KAF Grants Permissions](#) according to mapping.

Assigning Roles in Brightspace

To learn more about roles management in Brightspace, please refer to this [article](#).

Mapping Brightspace Roles to LIS roles

The Kaltura Brightspace plugin maps institution and course-level roles to LIS roles based on mapping tables that are available under the IMS Configuration.

KAF Grants Permissions According to the Mapping

On the KAF Admin Console side, each LIS role is mapped back to Kaltura roles. KAF grants different permissions according to the mapping provided in the Hosted module in the KAF Admin Console:

The screenshot displays the 'litiRolesMapping' configuration page. It contains two main sections, each with a 'DELETE' button and a 'Map each LTI role to a MediaSpace role' instruction. The first section is for the 'Learner' role, with 'privateOnlyRole' as the 'kmsRole' and 'CONTRIBUTOR' as the 'kmsContextualRole'. The second section is for the 'Instructor' role, with 'privateOnlyRole' as the 'kmsRole' and 'MANAGER' as the 'kmsContextualRole'. Both sections include a text input for 'allowedSharedRepository' and a note: 'Please click the link above to enable shared repository'. Callout boxes provide definitions: 'LIS role sent by the LMS, according to the user's role in the LMS.', 'KAF Applicative role. Set by the KAF administrator to define permissions OUTSIDE of the course context. (for example My Media)', and 'KAF Contextual role. Set by the KAF administrator to define permissions INSIDE of the course context. (for example Media Gallery)'.

As displayed, each LIS role is mapped in Kaltura to two roles – an **Applicative Role** (`kmsRole`) and a **Contextual Role** (`kmsContextualRole`). These roles correspond to different cases/scenarios in the Kaltura Brightspace plugin. Setting these roles changes the permissions a user has in the following scenarios:

- **Applicative role (KMSRole)** - Defines the user roles and permissions in Kaltura widgets that are out of course context (for example: My Media)
 - **anonymousRole** – Not relevant to the Kaltura Brightspace plugin and should not be used.
 - **viewerRole** – The user will not have access to My Media, and will not be able to upload new content to either My Media, Media Gallery or using the Embed Kaltura Media text-editor button.
 - **privateOnlyRole** – The user will have access to My Media and will have the ability to create new content.
 - **adminRole, unmoderatedAdminRole** – Not relevant to the Kaltura Brightspace plugin and should not be used.
- **Contextual role (KMScontextualrole)** - Defines the user roles and permission in Kaltura widgets when in a course context (for example: course Media Gallery)
 - **Member:** The user will be able to view content in Media Galleries of courses to which the user is enrolled, but will not be able to contribute (publish) to the galleries.
 - **Contributor:** The user has Member permissions with the ability to publish content to the Media Gallery.
 - **Moderator:** The user has Contributor permissions with the ability to moderate content added to the Media Gallery.
 - **Manager:** The user has Moderator permissions with the ability edit the Media Gallery settings, and view the course gallery analytics.

From the Kaltura module's perspective, the permissions are as follows:

- **My Media**
 - **Applicative role:** If `viewerRole`, the user will not have access to My Media and will not be able to upload new content. If `privateOnlyRole` the user will be able to have its own My Media

repository to where he can upload his own private content.

- **Contextual role:** does not impact My Media.

- **Media Gallery**

- **Applicative role:** If the user has a contextual role that allows publishing/adding content to the Media Gallery (see the following table), and the user has an Applicative role of **privateOnlyRole**, the user will be able to upload new content or contribute content from its own private My Media repository.
- **Contextual role:** Determines the role of the user inside the Media Gallery (note – users can access a course Media Gallery after they have access to the course page in Brightspace, regardless of their Kaltura role).

Role	Permissions
Member	If the user has Member contextual role, the user will be treated as a “viewer only” in the Media Gallery, and will only be able to view content, and will not be able to contribute content to the Gallery (regardless of the user’s Applicative role).
Contributor	Users with Contributor role can view Media Gallery entries and upload and contribute entries from My Media (if applicative role is privateOnlyRole). Students are usually assigned Member or Contributor contextual roles.
Moderator	Moderator role allows the users to moderate content published to a Media Gallery (and to contribute new content). Teaching Assistants usually have Moderator contextual roles.
Manager	A Manager role provides full access to the Media Gallery, including the ability to moderate content, edit the Media Gallery’s settings and metadata, and access the Media Gallery Analytics. Instructors usually have Manager contextual roles

Common Use Cases of Role Configuration

This section provides recommendations for common role configuration in the Kaltura Brightspace plugin.

The following use cases are described:

- [Allowing Students to Upload Content](#)
- [Allowing Faculty Only to Upload and Create New Content](#)
- [Creating a Teachers Only Faculty Repository](#)

Allowing Students to Upload Content

Description: Allow all Brightspace users to author new content (upload, webcam recording, screencast recording, etc.) and publish to courses, Media Galleries, regardless of their contextual role.

KAF Side Configuration

In your KAF instance, configure the following mapping under the Hosted module:

ItiRole	kmsRole	kmsContextualRole
Learner	privateOnlyRole	CONTRIBUTOR
Instructor	privateOnlyRole	MANAGER

Allowing Faculty Only to Upload and Create New Content

Description: Allow only faculty members to create and upload new media. Students should not have access to My Media and should not be able to contribute to any course Media Gallery.

KAF Side Configuration

In your KAF instance, configure the following mapping under the Hosted module:

ItiRole	kmsRole	kmsContextualRole
Learner	viewRole	MEMBER
Instructor	privateOnlyRole	MANAGER