Kaltura Video Tool for Sakai Setup Guide

Version: 5 for Sakai 11

KALTURA

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Preface

This preface contains the following topics:

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About this Guide

This guide describes how to setup the Kaltura Video Tool for Sakai. Instructions are provided for setting up the package behavior 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 Sakai and Kaltura administrators.

Prerequisite Reading

- Kaltura Video Tool v5 for Sakai User Manual
- Kaltura Video Tool v5 for Sakai Installation and Upgrade Guide

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 Kaltura Video Package for Sakai:

- Access to a Sakai environment with site administrator role.
- A Kaltura account - Please contact your Kaltura representative for your Kaltura account details.
- Installation of the Kaltura Video Tool for Sakai on your Sakai environment. For installation instructions, see Kaltura Video Tool v5 for Sakai Installation and Upgrade Guide.
- KAF Admin Console – please ask your Kaltura representative for access to your KAF Admin Console instance.

Before You Begin

You will need to create a Sakai root category in the KMC, if not already created for you by your Kaltura representative.

To create the Sakai root category in the KMC

1. Log into the KMC.
2. Select the **Content** tab and then select the **Categories** tab.
3. Click **Add Category.**
4. On the New Category window, select the position of the root category and save your new category.
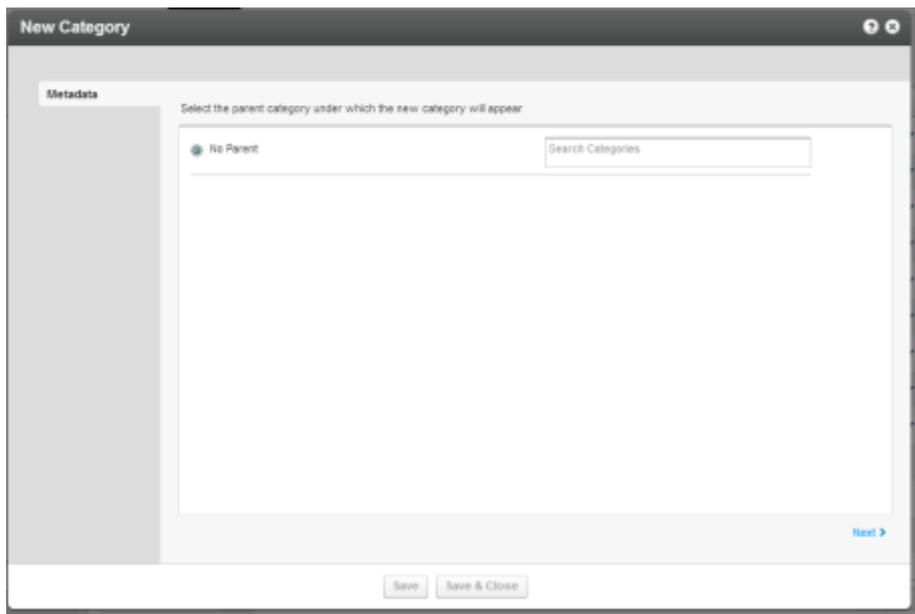
5. Click **Next.**
6. In the metadata tab, enter metadata for your new category and click Save.

7. Login to the KAF administration tool and setup/choose the category under the Categories module.

Understanding the Setup Process

The Kaltura Video Tool for Sakai offers an out-of-the-box solution that enables users to view, record, upload, publish, search, and share video directly from their Sakai 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 Video Tool for Sakai is implemented on top of the Kaltura Application Framework (KAF), a feature rich framework that allows flexible and streamlined integration of Kaltura's video solutions and products into 3rd partThe y applications such as Sakai. KAF is hosted and served directly from the Kaltura cloud servers and once integrated into your Sakai 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 Sakai. Nearly all configuration aspects of the Kaltura Video Tool for Sakai 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 Video Tool for Sakai instance. 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.

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 Video Tool for Sakai and are described in this guide:

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- Sakai

Sakai 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	Fields	Description
Application	InstanceId, privacyContext, userRoleProfile	Internal constant identifiers of your KAF instance. Please note that privacyContext should be empty.
Auth	sslSettings	All site (set to None if SSL is not used)
Debug	serviceUrl	https://www.kaltura.com (set to http://www.kaltura.com if SSL is not used)

Module	Fields	Description
	VerifySLL	Yes (set to No if SSL is not used)
Security	allowLoadInIframe	Yes*
Addcontent	enabled	Yes*
Userreports	enabled	Yes*
Publish	enabled	Yes*
Browseandembed	enabled	Yes*
Sakai	enabled	Yes*
Hosted	enabled	Yes*
	enableLike	Yes/No
	enableViews	Yes/No
	allowEditPublished	Set to *No* 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 *No* 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.
	enableEntryDelete	Set to *No* to completely prevent users from deleting entries
	manPublish	Yes*
	authMethod	Lti

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 Sakai. 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

Field	Description
title	Not applicable for KAF.
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. Fr = French Jp= Japanese SR= Serbian Pt-Br Portuguese Brazlian En = English Es- Spanish D2L = custom language for LMS En_Custom = custom language Ar = Arabic De = German Da - Danish
enableLike	Enable the 'Like' feature for entries. This should be configured in the Hosted module.
enableWebcam	This is the legacy Webcam configuration. Please use the CaptureSpace module to use the new Webcam capabilities.
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 Sakai.. 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.
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 Sakai
timezone	Which timezone should Sakai use to present times and dates.
assetConsolidationEnabled	Enable assets (js/css) consolidation and minification.

Auth

The only relevant field for the Sakai configuration is the sslSettings.

Field	Description
sslSettings	Select your option for a secure login page (via https).

Channels

Field	Description
entriesPageSize	How many entries can be displayed on each channel page? (The default is 15)
pageSize	How many channels can be displayed on each channel page? (The default is 20.)
pageCount	How many page links can be displayed in the channel pager? (Dots represent page links that are not displayed.)
pagerType	Which kind of paging mechanism should be used in the channel page?
defaultChannelType	Select the default channel type when creating a new channel.
channelCreatorOpen	Not applicable for KAF
channelCreatorRestricted	Not applicable for KAF
channelCreatorPrivate	Not applicable for KAF
channelCreatorSharedRepository	Not applicable for KAF
channelCreatorPublic	Not applicable for KAF
channelsTermUse	Add channel term of use. Use to configure a policy message that is displayed to users every time a channel is created. The configured text is displayed in the top of the channel creation
supportPublicChannel	not relevant in KAF
channelsSorting	Use the drop down to select the channels' sorting default. The options are: Media Count, Alphabetical, Members and Subscribers or Most Recent.
channelDefaultView	Default view for channel 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	The CDN regular URL Used for Player and html5lib. Leave empty for default. 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. Note: When configuring a KMS site to HTTPS, also change the CDN URL to https://cdnapisec.kaltura.com.
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

Field	Description
	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 MediaSpace 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). Kaltura MediaSpace 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.
proxy	Configure proxy settings if the HTTP communication from the MediaSpace server to Kaltura server has to go through a proxy
host	roxy server hostname or IP
port	Port through which the communication with the proxy is going through
username	OPTIONAL - proxy username if the proxy server requires authentication
password	OPTIONAL - proxy password if the proxy server requires authentication
type	Type of web proxy.

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)

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 gallery view (for example, search results, playlists)? (The default is 24.)
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 mouseover in galleries.

Field	Description
categoryDefaultView	Default view for categories. You can define optional view modes for media items inside Galleries. Choose from Collapsed, Expanded or Table view.
playlistDefaultView	This is the default view for playlist page (gallery-like page) that is linked from the homepage
categoryExplicitDateFormat	Explicit date format.
firstTabLoad	Select the tab you want to load first in categories. The options are: Media Category moderation Channel categories The 'firstTabLoad' in the category configuration applies after the search as well.
tableview	Add table view to My Media page.

Metadata

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 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

Languages

Field	Description
DownloadLocaleText	Download a Zip file with all texts for all languages for this instance. These resources can be used to create or update custom languages.
UploadCustomLanguage	Upload new custom language
languageAdminName	Insert the name of the language to be presented in the language drop down list for the admin, in Application section, languageSelection and

Field	Description
	language fields.
languageClientName	Insert the name of the language to be presented in the language drop down list for the users.
languageCode	For KAF use - formal language code to be used to sync the instance language to the hosting application (LMS, CMS, SBS) chosen language.
localeFile	Upload your customize .mo file. in order to convert your customize .po file to .mo file you can use some available tools in the web
localeIcon	Upload custom language flag icon. In order to be presented to KMS end-users in the drop down list, in case this language will be selected for presentation. Icon should be in "*.jpg;*.jpeg;*.bmp;*.png;*.gif;*.tif;*.tiff;*.ico" format and dimensions should be 30px X 26px (the application will resize any given image, however for best visual result use these dimensions). You can also choose from this library of icons: http://freebiesbug.com/psd-freebies/100-flat-flag-psd-icons/
languageId	Unique language id for application usage.

Moderation

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

Player

Kaltura Video Tool for Sakai 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	Which Playback method should KAF use? Kaltura Auto' is the default playback option for a new KAF instance.
		KAF administrators can select additional playback options. From *Player > playback*, select any of the following options:
		• **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. Should be set to Yes for KAF to work properly.
loadThumbnailWithKs	The default is set to "no". When enabled, KMS will add a KS (Kaltura Session, read more here) to any thumbnail URL rendered by it, and KMS will pass relevant parameters to the player, to comply with the same requirement.. Switch this field to 'yes' if your account should apply access control rules on thumbnails (this would have to first be set up by Kaltura Customer Care. on the Kaltura Server admin console) and if your access control has KS-restriction

SharedRepositories

The SharedRepositories module allows any member to not only browse the media that is published in the shared repository, but also use the media to publish to other channels and/or categories. The shared repository allows education institutions and enterprises to create a shared media location for media that anyone with access to it has publishing rights to other areas in MediaSpace.

Metadata is composed of the following:

- customDataProfileId
- nested filters

At least one of these must be defined for the Advanced Search form to display in your MediaSpace instance.

customDataProfileId (schema) - Create a metadata schema, and select it in the KMS admin sharedRepositories module.

> **NOTE:** The customDataProfileId selected in the sharedRepositories module **MUST** be different than the profileId selected in Customdata module.

nested filters - Select "yes" in the KMS admin nestedFilters field, to enable the nested filters appearance in KMS and to create the nestedFilters category.

Field	Description
enabled	Enable shared repositories.
amountOfSharedRepositories	Amount of shared repositories to show in the drop down (when adding media from shared repository).
termsOfUseLink	Enable Terms of Use
nestedFilters	Enable nested filters. Configure them as nested categories under root>site category in the KMC. (http://kmc.kaltura.com/index.php/kmc/kmc4#content|categories).
customDataProfileId	Choose custom metadata schema for media in the shared repository. All custom data schemas can be viewed in KMC > Settings > Custom Data (http://www.kaltura.com/index.php/kmc/kmc4#account|metadata).
requiredFields	Which custom metadata fields are required before publishing media to a shared repository? Use custom data system names from KMC > Settings > Custom Data (http://www.kaltura.com/index.php/kmc/kmc4#account|metadata).
dateFormat	What is the format of the date for the date picker (of the shared repository custom data)?

Widgets

Field	Description
ksuId	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.

Field	Description
emailErrors	Enable sending emails in case of errors.

Search

Field	Description
entriesPageSize	How many entries to show in search results.
inVideoPageSize	How many in-entry search results to show.

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.
allowGroupsCollaboration	Allow groups support in 'Media Collaboration' features
collaborationEnabledInUploadForm	Enable the option to add collaborators (co-editors and co-publishers) in the upload media form.

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.

Captions

Field	Description
enabled	Enable the Captions module.
captionsKsuId	What is the uiConf ID of the Kaltura Simple Uploader (KSU) used for captions? KAF uses KSU to upload .SRT and .DFXP caption

Field	Description
	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.

See the Kaltura CaptureSpace Lite - User Guide for more information.

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.	
server	Please keep empty
path	Please keep empty
user	Please keep empty
password	Please keep empty
AddNewLabel	Label for the 'Add New' menu item.
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. Recommended field is the "My Media" link or the LMS base URL.
recordingLimit	Sets max recording length for CaptureSpace recordings in minutes.

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.

Field	Description
clipperProfileId	The clipper custom data profile id.)

Comments

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

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
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.

Field	Description
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.
uiConfId	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

Field	Description
enabled	Enable the Thumbnails module.
thumbnailsKsuId	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, Sakai 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

- Creating a new screencast using CaptureSpace Lite.

Please refer to the Kaltura Video Tool for Sakai v5 User Guide for more details about each 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?

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 channel 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

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

🔲 To enable Course Playlists

1. From the **Channelplaylists** page change the setting in the **enabled** field from **No** to **Yes**.
2. 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:

1. From the **Channelplaylists** page change the setting in the **CoursePlaylistsTabName** field from **Playlists** to any value you want.
2. 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.

Use this module to generate a player ID or enter the playlist player ID.

Field	Description
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 for the playlist player.
playlistPluginType	Use to choose the look of playlist page. 'on page' displays a unique application playlist page . 'in player' displays the default player's studio playlist look.

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.
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	

Custom/Core Modules/KAF

Browseandembed

The Browseandembed KAF module is used to enable and configure the Browse, Search and Embed tool in Sakai. This tool is available within the CK editor wherever it is available for example:

- Assignments
- Forums
- Announcements

Fields	Description
enable	Yes*
returnUrlMethod	POST*
allowEmbedFromMultipleCourses	When set to Yes, users will be able to embed videos from Media Galleries of all the courses they have access to. Set to No if you want to limit users to the Media Gallery of the current course only.
filterTypeAttribute	custom_filter_type* The LTI attribute the get the filter type from.
disableAddNewAttribute	custom_disable_add_new*. The LTI attribute the get the disable-add-new from.
enableNewBSEUI	Yes
BSEPlayerID	The default browse and embed player

Fields	Description
minimalBSERole	Minimal KMS Role allowing browsing and embedding media.
embedSizes	Define sizes that can be used for embedded players. Define the player size in the following format: {width}x{height}
enableAssignmentSubmission	This feature enables an additional pop up screen when selecting media in Browse, Search and Embed to verify if the user is submitting an assignment. If confirmed, the selected entry will be cloned under a different user name to prevent editing and deletion.
assignmentSubmissionText	Determines the text that will appear on the pop up message when submitting an assignment. In case left empty, the default message will appear.
assignmentSubmissionMaxRole	This sets the highest role level which will see the pop up upon selecting an entry in Browse, Search and Embed.

Hosted

Field	Description
enabled	Enables the Hosted module. This should not be changed.
enableLike	Enable the 'Like' feature for entries.
allowEditPublished	Set to *No* 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 *No* 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 *No* 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
enableEntryDelete	Set to *No* 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

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 module's sidebar is shown in KAF

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

Sakai

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

SECTION 3

Roles and Permissions

See Common Use Cases of Role Configuration for recommendations for common role configurations in the Kaltura Video Tool for Sakai.

Introduction to Role Mapping

The Kaltura Video Tool for Sakai implements role mapping from Sakai roles to Kaltura roles via LIS roles. Each role that is assigned to a user in Sakai is mapped to one of the roles defined in the LIS standard. When a user is assigned with a role in a Sakai site – Access or Maintain for example –Sakai 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 Kaltura Video Package components in Sakai.

This process is described in the following workflow:

Workflow:

1. Users are assigned a Sakai Site-level role after being assigned to a site.
2. Sakai sends the corresponding LIS role to Kaltura.
3. KAF Grants Permissions according to mapping.

Assign a Sakai Site-level Role

Users are assigned a Sakai role when added to sites.

Sakai Sends the Corresponding LIS Role to Kaltura

When a user accesses a Site-level Kaltura module, such as *Media Gallery* or the *Browse, Search and Embed*, Sakai sends the corresponding LIS role to Kaltura, according to the following mapping:

Sakai Site-level role	LIS role
Access	Learner
Maintain	Instructor

KAF Grants Permissions According to the Mapping

On the KAF Admin Console side, each LIS role can be mapped back to Kaltura roles. KAF grants different permissions according to the mapping provided in the Hosted module in the KAF Admin Console:
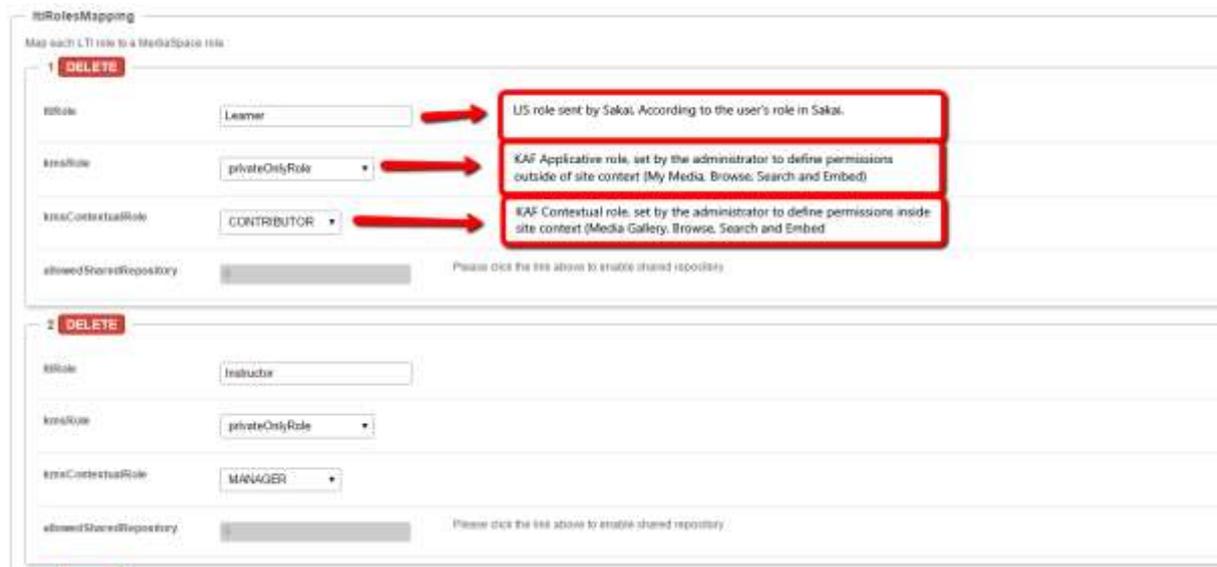
As displayed, each LIS role is mapped in Kaltura to two roles – an **Applicative Role** (kmsRole) and a **Contextual Role (kmsContextualRole)**. These roles correspond to different cases/scenarios in the Kaltura Video Tool for Sakai. Setting these roles changes the permissions a user has in the following scenarios:

- **Applicative role (KMSRole)** - Defines the user roles and permissions in Kaltura widgets that are out of course context (for example: My Media)

  o **anonymousRole** – Not relevant to the Kaltura Video Tool for Sakai and should not be used.

  o **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.

  o **privateOnlyRole** – The user will have access to My Media and will have the ability to create new content.

  o **adminRole, unmoderatedAdminRole** – Not relevant to the Kaltura Video Tool for Sakai and should not be used.

- **Contextual role (KMScontextualrole)** - Defines the user roles and permission in Kaltura widgets when in a course (site) context (for example: Media Gallery)

  o **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.

  o **Contributor**: The user has Member permissions with the ability to publish content to the Media Gallery.

  o **Moderator**: The user has Contributor permissions with the ability to moderate content added to the Media Gallery.

  o **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**

  o **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.

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

- **Media Gallery**

  o **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.

  o **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 Sakai, 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

- **Browse, Search and Embed** (rich-text editor button)

  o **Applicative role**: If **viewerRole**, the user will not have access to My Media and will not be able to create new content. If **privateOnlyRole** the user will be able to have their own My Media repository to where they can upload their private content.

  o **Contextual role**: does not impact Embed Kaltura Video.

Summary of Default Sakai -> LIS -> Kaltura Roles Mapping

Sakai role	LIS role	Default Kaltura applicative role (kmsRole)	Default Kaltura contextual role (kmsContextualRole)
Student	Learner	privateOnlyRole	CONTRIBUTOR
Instructor	Instructor	privateOnlyRole	MANAGER
Maintain	Instructor	privateOnlyRole	MANAGER
Access	Learner	privateOnlyRole	CONTRIBUTOR
Teaching Assistant	Learner	privateOnlyRole	CONTRIBUTOR

Common Use Cases of Role Configuration

This section provides recommendations for common role configuration in the Kaltura Video Tool for

Sakai.

The following use cases are described:

- Allowing Students to Upload Content
- Allowing Faculty Only to Upload and Create New Content

Allowing Students to Upload Content

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

Sakai Side Configuration

No special configuration is required on the Sakai side for this case. Assign all students to the Sakai Access role and teachers to the Sakai maintain 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.

Sakai-side Configuration

To accomplish this configuration, the My Media link should be hidden to all logged in users but Teachers.

It is important to hide the My Media link. If students are able to access the My Media link, an "Access Denied" message will be displayed as they are prevented from accessing My Media by the KAF-side configuration (see below).

KAF Side Configuration

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

ItiRole	kmsRole	kmsContextualRole
Learner	viewRole	MEMBER
Instructor	privateOnlyRole	MANAGER