⬚ Kaltura

WHAT IS KALTURA?

Kaltura Community Edition is a free, open-source, on-premise video platform. It enables video management, publishing, syndication, and developing a variety of online workflows for video. Kaltura On Prem CE includes enterprise level administration, monitoring tools, and video analytics.

You can also check out Kaltura's hosted edition by registering for a free trial account.

Kaltura integrates with several applications, including Tiki. (Tiki is tested with both Kaltura CE and Kaltura hosted services.) The Tiki-Kaltura integration was started in Tiki4 as a "Google Summer of Code" project, and has since evolved.

Kaltura list-media screenshot

Option

Kaltura video management

Description

Integration with the Kaltura video management platform

Default

Disabled

Option

Plugin Kaltura Video

Kaltura Video

Kaltura service URL

Partner ID

Admin secret

User secret

Description

Display a video created through the Kaltura feature

Display a series of attached Kaltura videos.

for example, https://www.kaltura.com/

Kaltura Partner ID

Kaltura partner-setting admin secret.

Kaltura partner-setting user secret.

Default

Enabled

Disabled

https://www.kaltura.com/

None

None

None

Option

Kaltura video player ID

Kaltura video player ID (in entry edit mode)

Description

Kaltura Dynamic Player (KDP) user interface configuration ID

Playlist Horizontal | New Player Test | With Selection of Thumbnail | Horizontal player w/multiple playlists | Player with no share button | Player with custom watermark

Kaltura Dynamic Player (KDP) user interface configuration ID for use when editing. You can use a player which also has an option to select a frame as video thumbnail

Playlist Horizontal | New Player Test | With Selection of Thumbnail | Horizontal player w/multiple playlists | Player with no share button | Player with custom watermark

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Option

Show remixes from old versions of Kaltura

Description

Show remixes from old versions of Kaltura (remixing is no longer supported)

Default

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Unable to load the jQuery Sortable Tables feature.

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KCW UI configuration ID
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Kaltura Configuration Wizard (KCW) user interface configuration ID

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WHY DOES TIKI OFFER A BUILT-IN INTEGRATION?

- To enable a wiki approach to video within the Tiki framework
  - The Tiki-Kaltura integration is built in to Tiki (as opposed to using a fragile third-party plugin).
- Works with a Kaltura.com account or with the Community Edition (CE).
  - The Kaltura admin page in Tiki will need to be configured with the basic connection information

WHY USE KALTURA INSTEAD OF…?

- …A free hosting site like Vimeo or YouTube?
  - Private videos, selling access via Tiki group subscriptions / shopping cart
  - No ads
  - Have own stats
  - Seamless integration in Tiki (Single Sign On, permissions, look & feel, etc.)
  - Open Source
    - You are in control of your data
    - You can self-host (and have your own domain name) or get a subscription from Kaltura.com
  - Will Vimeo be around forever? You can make your own Vimeo-like service
- … just files in the Tiki File Gallery?
  - If you have desktop tools, and can generate a reasonably-sized file, you can also use the Tiki File Gallery. However, Kaltura converts any media file type to many formats and streams according to the the context of the person visiting the site (low vs high bandwidth, mobile, etc)

NEW IN TIKI10

There has been a huge revamp/simplification of the Tiki-Kaltura integration, such as:

- Updates from the latest Kaltura code: http://www.kaltura.com/api_v3/testme/client-libs.php
- Can select a player for view mode OR for edit mode
  - This is useful when creating a thumbnail for a video
    - (This can already be done directly through the Kaltura Management Console -> pick player -> Edit -> Features ->UGC & User Interaction -> Capture Thumbnail
- Admin panel now detects all available players
- Kaltura has phased out the remix feature (see Popcorn Maker)
- A new XML file to configure the Kaltura Configuration Wizard (KCW) interface. (By default, we removed lesser used options.)
- And many more…

NEW IN TIKI11

- Kaltura tracker field to attach media to tracker items

GETTING STARTED: TIKI-KALTURA INTEGRATION

- Kaltura Contribution Wizard (KCW) to upload media (audio, video, image) under a user
- A gallery list of all the media (videos, images, or audio) of a user

- Wiki plugin to include a Kaltura video on a wiki page -> PluginKaltura
- Tracker field to include a Kaltura video on a tracker item -> Kaltura Tracker Field
- View and edit any information about a user's Kaltura entry
- Fine-grained permissions to use Tiki groups
    - Can upload video on Kaltura server (tiki_p_upload_videos)
    - Can view Kaltura entry (tiki_p_view_videos)
    - Can list kaltura entries (tiki_p_list_videos)
    - Can edit information of kaltura entry (tiki_p_edit_videos)
    - Can delete kaltura entry (tiki_p_delete_videos)
    - Can download kaltura entry (tiki_p_download_videos)
    - Can admin kaltura feature (tiki_p_admin_kaltura)

How to enable and configure Kaltura:

- On the Tiki Admin panel (tiki-admin.php), click on the Video icon (⚠)
- Then under "Activate the feature" , put a checkmark in the **Kaltura video management** checkbox.
- Click the **Apply** button.
- (Procedure is slightly different for older Tiki versions.)

The XML configuration files can be created and stored on the Kaltura server through the Kaltura API Test Console. The stored XML

configuration is identified by an ID. The ID of the desired configuration should be set for KSE UI Configuration ID and KAE UI configuration ID in the Admin Configuration in Tiki. (By default it is 36300 (KSE) and 1000865 (KAE)). Kaltura can be contacted for further customization / info.

How to set up the integration between Kaltura and Tiki:

- From the Tiki Admin panel, click on **Admin Home**
  - Then click on the **Video** icon ⚠
  - Make sure that the Kaltura (Registration) tab is selected

How to obtain the values needed for the Kaltura Registration window:

- Login to the Kaltura Management Console (KMS)
- Click on the **Settings** tab, then click on **Integration Settings** to view the **Account Info**

Kaltura Registration

To get a Kaltura Partner ID: Setup your own instance of Kaltura Community Edition (CE) or get an account via Kaltura.com

List Media Entries **List Remix Entries** **Add New Media**

Activate the feature

☑ Kaltura

1. Make sure that the Kaltura box is checked.

Kaltura / Tiki config

Kaltura "User":

You could use your server name for this. e.g. localhost

2. Enter your Kaltura username (or your host name).

Kaltura Service URL: http://www.kaltura.com/

3. Enter URL of the Kaltura service.

Default Editor: Simple

Kaltura Partner Settings

Partner ID:

4. Enter your Kaltura Partner ID.

User secret:

5. Enter your Kaltura User Secret.

Admin secret:

6. Enter your Kaltura Administrator Secret.

Kaltura Dynamic Player

KDP UI Configuration ID: 1913592

7. Enter the Kaltura Dynamic Player User Interface ID.

KDP Widget ID:

If you don't know better, use '_yourPartnerID'

8. Enter the Kaltura Dynamic Player Widget ID or enter '_yourPartnerID' (the underscore is important).

Kaltura Contribution Wizard

KCW UI Configuration ID: 1913682

Enter the Kaltura Configuration Wizard ID.

Kaltura Remix Editors

Kaltura Simple Editor UI Configuration ID: 2434291

Kaltura Advanced Editor UI Configuration ID: 1000865

Save

How to embed a video in a Tiki page:

- Use the Kaltura plugin. It generates the following syntax:

  - Media ID is required to display the video

Note: An ID number is required. The ID number refers to the Kaltura video entry that is to be displayed in the wiki page.

Kaltura has very specific terminology...

Entry:
An entry is a media entity on the Kaltura servers. It can be an image, audio, video, or a rough-cut wrapped with vast information such as dates, titles, tags, ratings etc.

Flavors:
Flavors refer to the transcoding settings (ie. the format that the source video is converted to: HD .flv, iPad mp4, etc...)

Kaltura Contributor Wizard:
Kaltura Contributor Wizard, Kaltura widget for content ingestion; a flash wizard that provides easy to use, friendly, and customizable user interface for uploading and importing media and content. The CW can be configured using an xml configuration file. The CW configuration file defines different customization aspects:

- List of media providers (e.g. file upload, webcam, import from different sources) is available to the user
- Graphical skinning and locale of the different parts of the wizard
- Parameters defining the behavior of the wizard such as the default media provider

Kaltura Dynamic Player:
Kaltura Dynamic Player, a highly flexible movie player. In order to embed a KDP on a web page, a developer should first create a widget, or use one of the available widgets which describes the settings of the required player. Every Kaltura partner is provided

with a default widget identified by _{PartnerId} (For example, _201). The KDP can be configured using an xml configuration file.The configuration file defines the graphic layout and functionality of the different parts of the player. It can be created and stored on Kaltura's server via Kaltura's API Test Console, OR through a UI wizard in the Kaltura Management Console. The ID of the desired configuration should be set as KDP UI Configuration ID in the Kaltura Admin Configuration within Tiki. The default is 48411.

- The configuration ID for the Kaltura Contributor Wizard (KCW) is used to add more media.

Kaltura Partner:

A person or an organization with a Kaltura account. Commonly, it is possible to become a Kaltura Partner either by manually signing up, or by registering to Kaltura during the installation process of a Kaltura application. The Kaltura Partner ID is a numeric identifier, uniquely identifying one Kaltura Partner within the Kaltura database. Upon registration of a Kaltura Partner account, you will receive an email from Kaltura with the following information:

- Partner ID: This is your Partner ID in the Kaltura Admin Configuration in Tiki.

Kaltura Session:

Kaltura servers authenticate calls using a KS (Kaltura session). A Kaltura session is generated using the start session API call. Each KS includes a partner, sub partner, user ID, API secret, and optional privileges. The KS is used to call additional API calls, and to allow the client side (Flex) components to send authenticated calls to Kaltura servers. The user ID passed in all of the Kaltura API calls is the user ID on your system (e.g. a numeric ID, screen name, email). Whenever a call is made, Kaltura's system will implicitly create a record for the user on its servers.

UIConf:

XML configuration file for various Kaltura components (KDP, KSE, KCW)

User (Partner User):

Representation of a partner's user in Kaltura's database.

Widget:

widget represents a KDP (Kaltura Dynamic Player) which is either bound to a specific media clip (in the case of media embedded an external site) or a KDP that can show a gallery of media clips which can be selected via flashvars and javascript calls.

Aliases

Video Editing | Collaborative Video Editing | Wiki Video Editing | Video | Kaltura Video