Kaltura Video Module for Drupal 7.x User Manual

Version: 2.0

Kaltura
open source video

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Preface

This preface contains the following topics:

- About this Manual
- Audience
- Document Conventions
- Related Documentation

About this Manual

This manual contains useful information about how to use the Kaltura Video Module for Drupal 7.x. Kaltura provides modules for both Drupal 6 and 7, however the instructions in this manual are specifically for use with the Kaltura Video Module for Drupal 7.

NOTE: Please refer to the official and latest product release notes for last-minute updates Technical support may be obtained directly from: Kaltura Support

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 manual s primarily intended for Drupal administrators. The manual assumes familiarity with Drupal 7 and focuses on operations specific to Kaltura Video Module, while standard Drupal 7 operations that are associated are mentioned in brief.

Document Conventions

Kaltura uses the following admonitions:

- Note
- Workflow

NOTE: Identifies important information that contains helpful suggestions.

Workflow: Provides workflow information.

1. Step 1
2. Step 2

Related Documentation

For more documentation on Drupal, please visit Drupal community documentation.

SECTION 1

Overview of the Kaltura Video Module for Drupal

Kaltura's Video Module for Drupal makes it easy to add the robust capabilities of Kaltura's open source video platform to any Drupal site.

The Kaltura Video Module for Drupal handles every aspect of your video and rich-media needs, including transcoding, uploading and importing content, hosting and streaming on Kaltura's servers, and more. The module was developed specifically for Drupal, and seamlessly integrates with other features and modules, such as fields, cron, views, blocks and Drupal permissions.

Kaltura Module for Drupal Key Features

- Empower Drupal websites with a full video and rich media experience
- Upload media in any format – upload from your computer or record from webcam - videos will be transcoded to web-playable formats by the Kaltura system
- Host content by Kaltura and stream content from tier 1 global CDNs such as Akamai and Limelight Networks through Kaltura's full integration with them - to assure quality of service, and minimize overhead
- Metadata synced between Kaltura and the Drupal site
- Easily add rich media to existing content types using Kaltura Media Field representation of rich media
- Fully integrate with Drupal Views - including predefined views to ease integration
- Enhance user interaction by allowing users to add video comments with one click on any page
- Collect statistics – number of plays for each video collected and updated on the video node
- Control Drupal permissions integration – an administrator can decide who can view and who can edit content

Gettting Started

Download the Kaltura Video Module for Drupal 7.x at: http://drupal.org/project/kaltura. Continue to install the module as you would for any Drupal module and then activate the module.

NOTE: Additional dependent modules may be required to complete the installation. See the Drupal Release Notes for more information.

SECTION 2

Configuring the Kaltura Video Module

After you install the module (standard Drupal module installation), you will need to activate the module with your Kaltura account.

Activating the Module to Work with your Kaltura Account

To activate the Drupal module with your Kaltura account

1. Set the server settings. - Select the Kaltura Server that you want to use.
2. Select the Notification URL (Optional).
3. Select the Partner to use. Create a publisher account or associate the module to an existing publisher account in Kaltura.
4. Accept the Kaltura service Terms of Use.
5. Click Submit.

To select the Server Settings

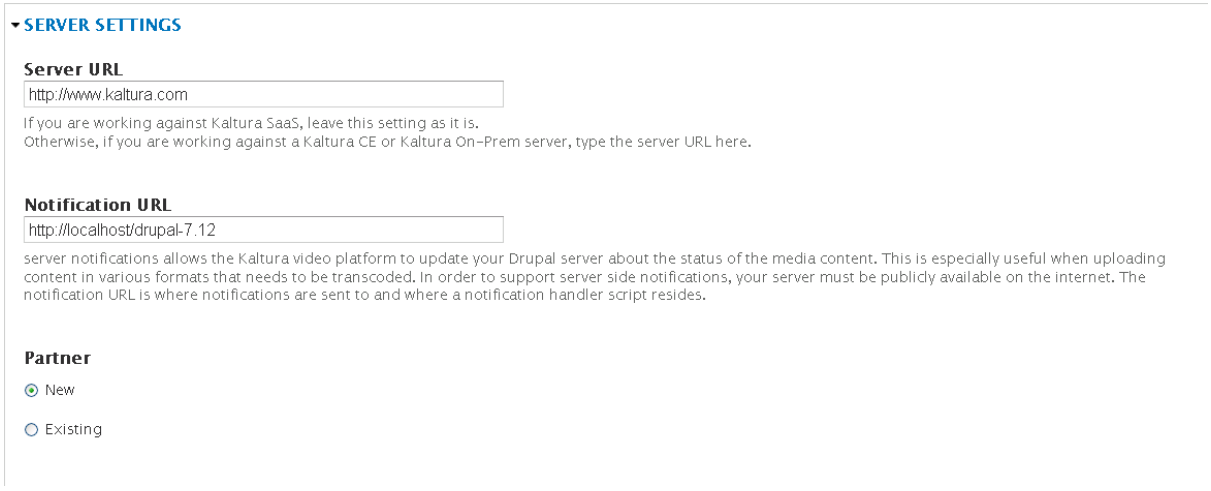
1. Select the Configuration menu.
2. In the Media section, select Kaltura module settings.
3. Enter the Server URL.

To select the Notification URL

1. Select the Configuration menu.
2. In the Media section, select Kaltura module settings.
3. Enter the Notification URL (optional). See Synchronizing the Kaltura Publisher Account to Drupal for more information.

To select the a Partner (publisher account) to use

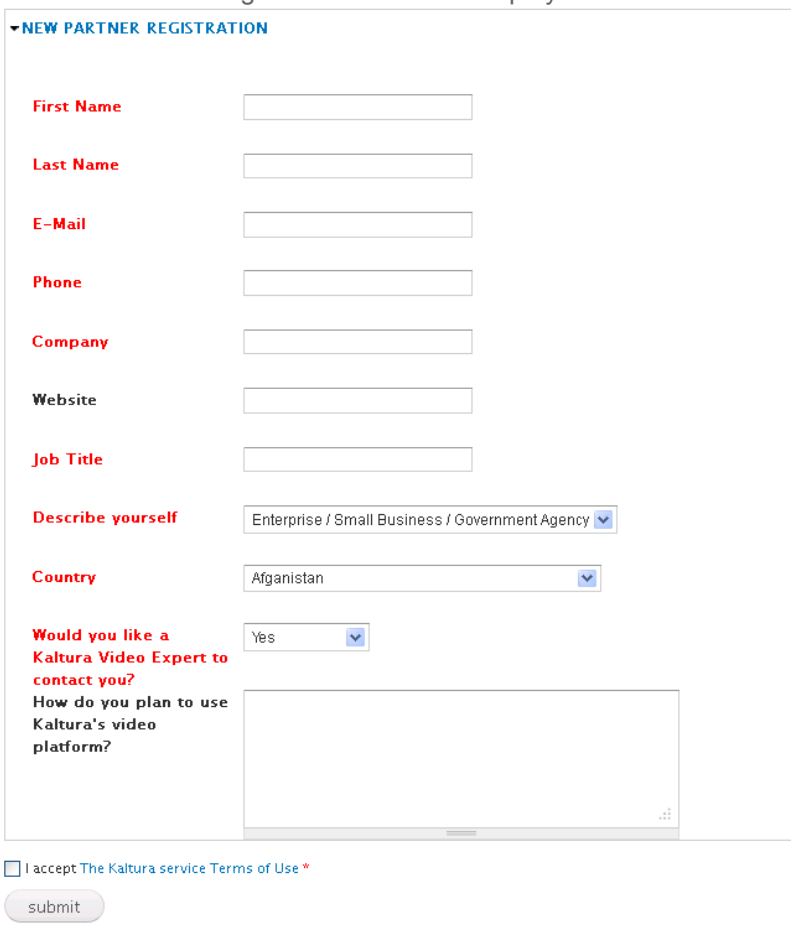
1. Select the Configuration menu.
2. In the Media section, select Kaltura module settings.
3. Select a partner. This toggle associates the module to the publisher account. You can select either:
   - **New** - Create a publisher account from the Drupal site.
   - **Existing** - Enter your user name and credentials of your existing Kaltura account.



Creating a Publisher Account from the Drupal Site

To create a publisher account using Drupal

1. Select the Configuration menu.
2. In the Media section, select Kaltura module settings.
3. In the Partner radio selection, choose New.
   The New Partner Registration section is displayed.

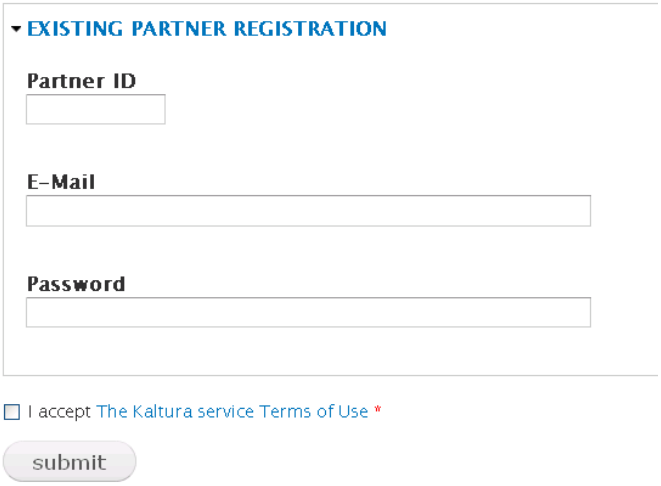


4. Enter information for the mandatory fields.

Using an Existing Publisher Account

To create a publisher account using Drupal

1. Select the Configuration menu.
2. In the Media section, select Kaltura module settings.
3. In the Partner radio selection, choose Existing.
   The Existing Partner Registration section is displayed.



4. Enter your Kaltura Partner ID, the login email and password for your Kaltura account.
5. Accept the Kaltura service Terms of Use.
6. Click Submit.

SECTION 3

Kaltura Media Fields

Kaltura integrates with Drupal 7 at a field level, providing the granularity for integration with a variety of Drupal implementations. . As other fields in Drupal, the Kaltura Media Field may be added to content types, comments, user profiles and all other types of blocks of content.

The Kaltura Media field may be configured to allow certain media types (i.e. video, audio, image), for different display options, and for different media contribution options. These configuration options synergize with Drupal's innate field and content types configuration, like permissions and displays, and together enable easily building of media use-cases that apply to you.

Using the Kaltura Media Field in a Content Type

This section contains the following topics:

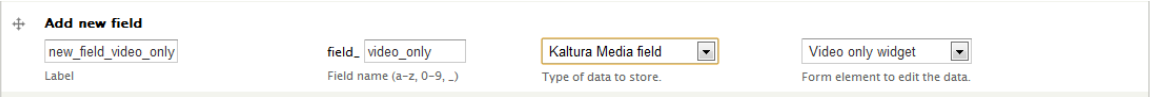
- Adding the Kaltura Media Field
- Configuring Settings for the Kaltura Media Field
- Kaltura Media Field Contribution Elements
- Managing the Content Type Display
- Populating Kaltura Media Fields with Content

Adding the Kaltura Media Field

To add the Kaltura Media Field

1. Select the Structure tab and in the Label column, select a Content type.
2. In the Operations column, select manage fields. The Manage Fields tab is displayed.
3. Enter a field name in the Add new field box.
4. In the Name column, enter the name of the field in lower case. This is the field name that Drupal will identify.
5. In the Field column, select **Kaltura Media field.**
6. Select a widget from the Widget column drop down. See Widget Types. The widget you select forms the appropriate element to edit your data.
7. Click Save and continue to configure the settings for the Kaltura Media field. Depending on your widget choice, a configuration window for the field is displayed.

The following is an example of a Kaltura Media field created for uploading video only.



Configuring Settings for the Kaltura Media Field

This section describes the options and settings for the Kaltura Media field. All Kaltura features such as setting the conversion profile and CDN configuration work for out of the box and can be set within the Kaltura Management Console. See the KMC User Manual for more information.

Kaltura Media Field Contribution Elements

You can define two types of contribution elements for the Kaltura Media field:

- Widget Types
- Add Media Settings

Widget Types

The widget determines the types of media you can propagate to the Kaltura Media field. This applies to both uploading new content from the Kaltura Contribution Wizard and re-using existing content. The following lists the types of widgets that you can set for a Kaltura Media Field.

- Video Only – allows you to upload only videos through the Kaltura Contribution Wizard. Use only when the Add Media Settings are set to Add new media.
- Audio Only - allows you to upload only audio files through the Kaltura Contribution Wizard. Use only when the Add Media Settings are set to Add new media.
- Image Only - allows you to upload only image files through the Kaltura Contribution Wizard. Use only when the Add Media Settings are set to Add new media.
- All Media Types - allows you to upload all three types of content, video audio, and image through the Kaltura Contribution Wizard
- Webcam – allows you to record from webcam only. Note that when using this type of widget it is recommended to set the field to “add new media” only, for obvious reasons.

See the article on Kaltura Contribution Wizard (KCW) for more information and supported formats.

Add Media Settings

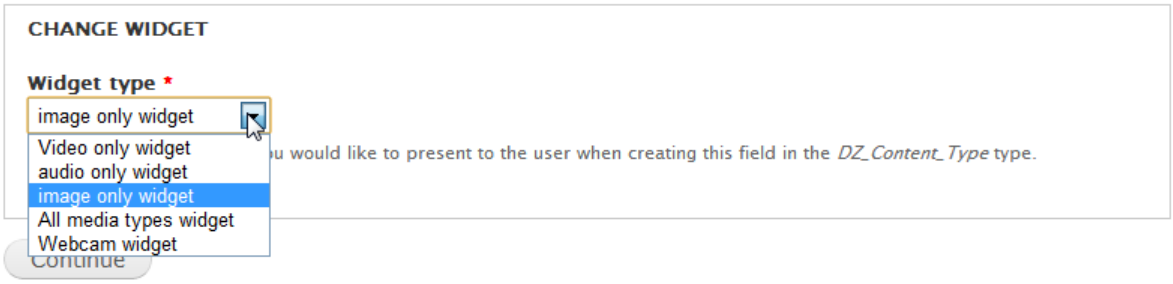
The Add Media Settings options are dependent on the widget type selected when you define the Kaltura Media field. The following settings are available:

- **Add new media only** - allows you to upload new media only
- **Use existing media only** - allows you to choose from uploaded and synced content only
- **Use existing media and add new media** – allows you to upload new media and choose from existing uploaded content

When you add new media, content is uploaded to your Kaltura account as well as synced to the Drupal database

To change the widget type

1. Select the Structure tab and then select a content type.
2. In the Operations column, select manage fields.
3. In the Widget column, click on the widget type. The Change Widget panel is displayed.



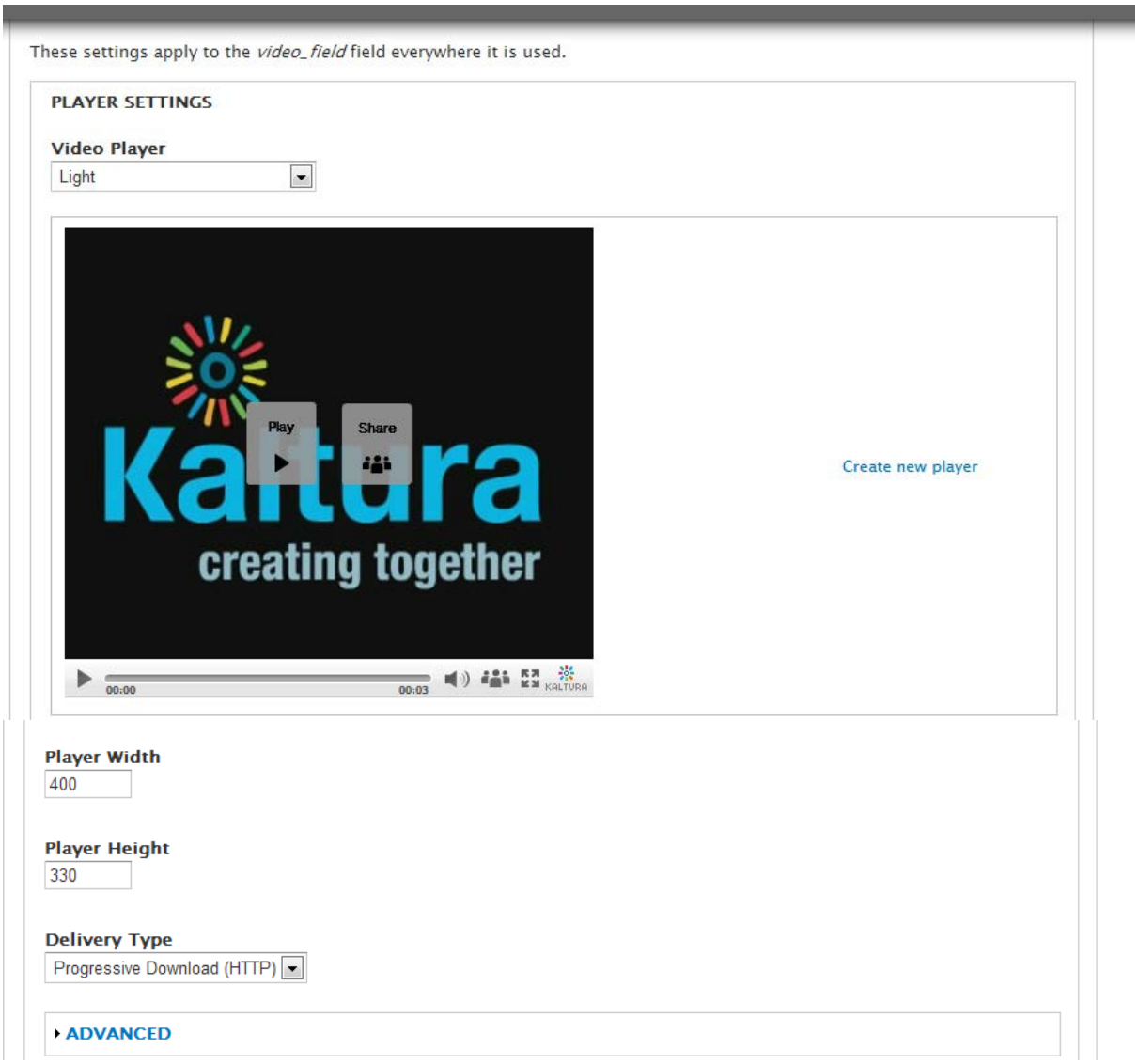
4. Change the Widget type and click Continue.

Video Only

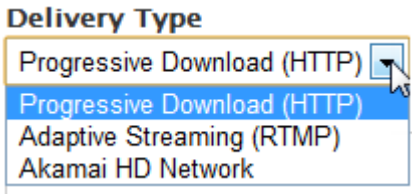
To configure the Kaltura Media Field settings for the video only widget

1. In the Manage Fields tab, click on edit in the Operations column.
2. Configure the following field settings:

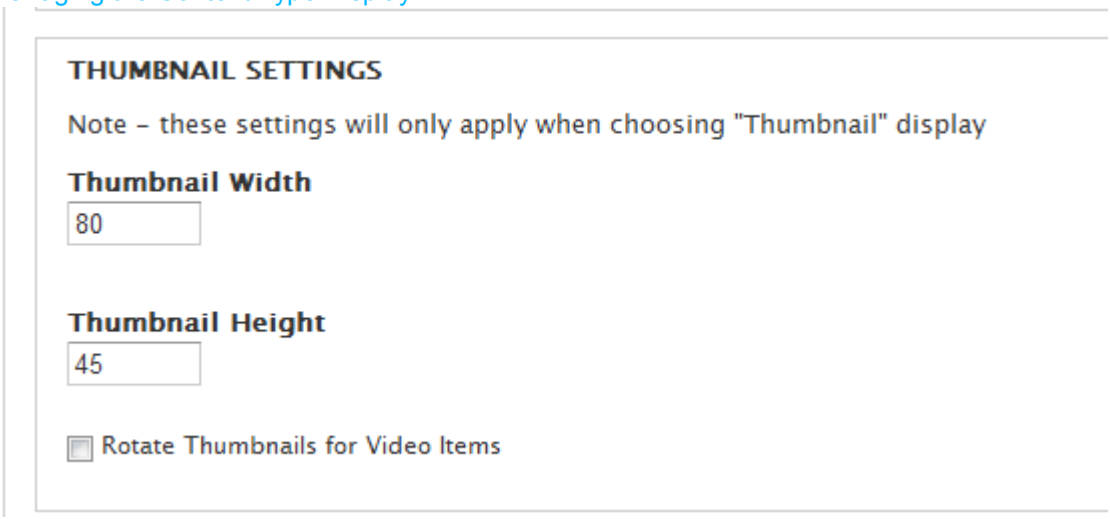
PLAYER SETTINGS



Name	Description	Comments
Video Player	Select a player from the list of players that are configured in your KMC.	
Create new player	Click to create a new player in the KMC.	You will be prompted for your Kaltura credentials to access you KMC account.
Player Width	You can change the player Width to accommodate your display per field. Default value: 400	Sets the default value for this field. This value may be overridden in the display settings per field instance,

Name	Description	Comments
Player Height	You can change the player Height to accommodate your display per field. Default value: 330	Sets the default value for this field. This value may be overridden in the display settings per field instance,
Delivery Type	Select from the dropdown options: 	See the KMC User Manual for more information.
ADVANCED	Click Advanced to choose a player that is not configured in your Kaltura account. The advanced option opens the Custom Player UI_Conf field where you can enter the UIconf ID for the player you want to use.	This option is intended for advanced Kaltura users and for Kaltura support and administrators.

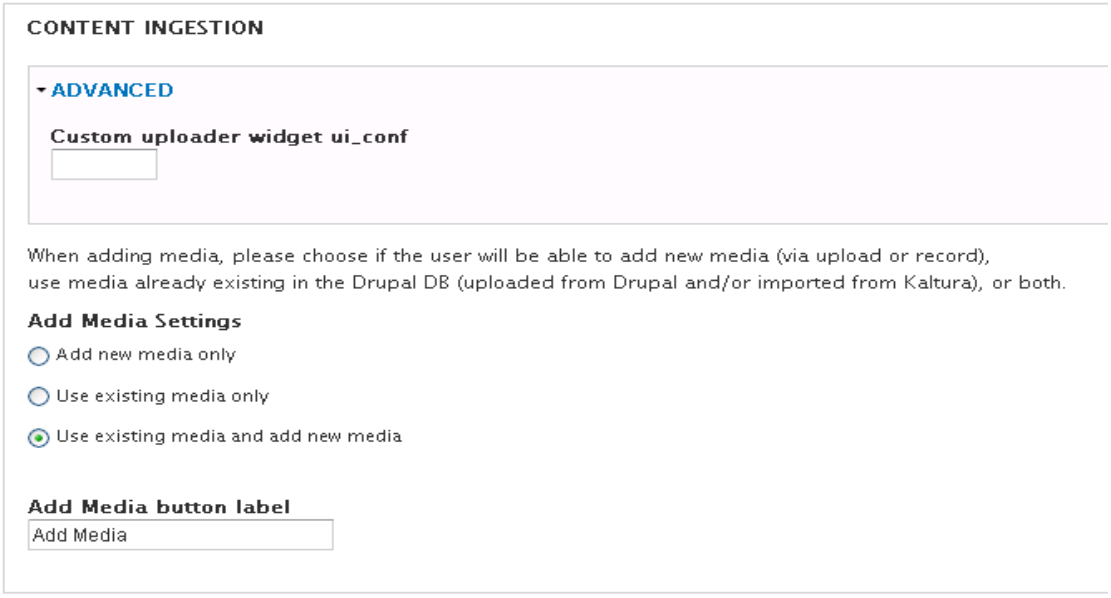
THUMBNAIL SETTINGS
This section is relevant when selecting a thumbnail display for the Kaltura Media field. See Managing the Content Type Display.



Name	Description	Comments
Thumbnail Width	Enter the thumbnail width. Default value: 80	Sets the default value for this field. Per field instance it can be overridden in the display settings.
Thumbnail Height	Enter the thumbnail height. Default value: 45	Sets the default value for this field. Per field instance it can be overridden in the display settings.
Rotate Thumbnails for Video Items	Check to show a thumbnail slideshow preview of the video when hovering over	

	the thumbnail	

CONTENT INGESTION



Name	Description	Comments
Advanced	Enter the Custom uploader widget ui_conf	The Advanced Content Ingestion settings are intended for the use of advanced Kaltura users.
Add Media Settings	Select one of the following options: • Add new media only • Use existing media only • Use existing media and add new media	See Add Media Settings.
Add Media Button Label	Enter an intuitive name for the add media button label.	

3. Click Save field settings.

Audio Only

To configure settings for the audio only widget

1. In the Manage Fields tab click on edit in the Operations column.
2. Configure the following settings as for video only:
   - Player Settings
   - Content Ingestion
3. Click Save field settings.

Image Only

To configure settings for the image only widget

1. In the Manage Fields tab click on edit in the Operations column.
2. Configure the following settings as for video only:
   - Image settings
     - Enter the Image width
     - Enter the Image height
   - Thumbnail Settings
   - Content Ingestion
3. Click Save field settings.

All Media types

To configure settings for the all media types widget

1. In the Manage Fields tab click on edit in the Operations column.
2. Configure the following settings as for video only:
   - Player settings
   - Content Ingestion
3. Click Save field settings.

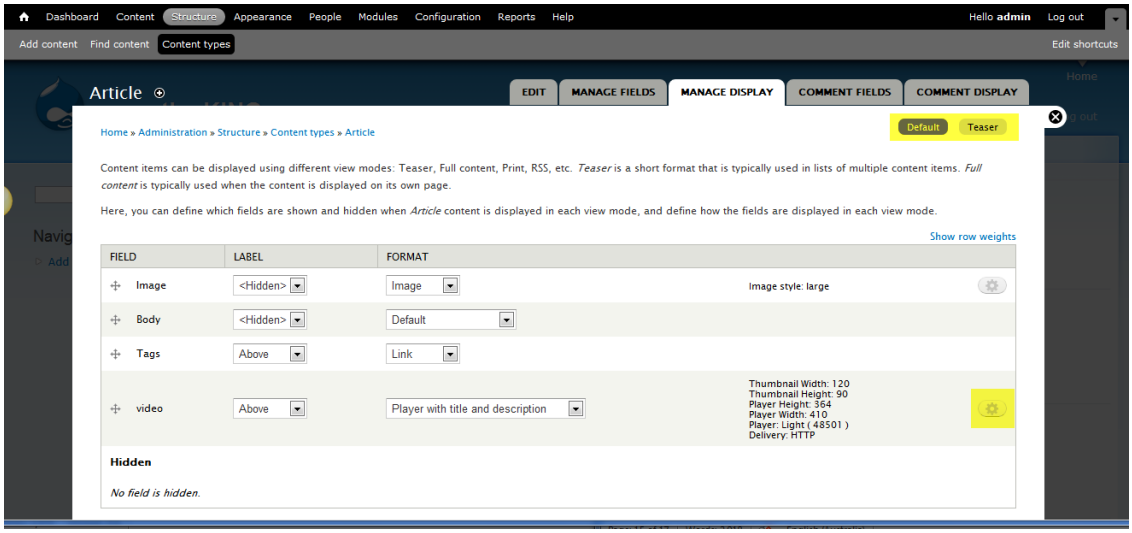
Webcam

To configure settings for the webcam widget

1. In the Manage Fields tab click on edit in the Operations column.
2. Configure the following settings as for video only:
   - Player settings
   - Thumbnail settings
   - Content Ingestion
3. Click Save field settings.

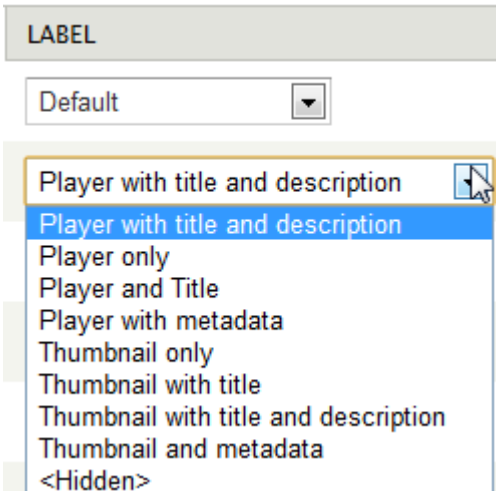
Managing the Content Type Display

You can change the display of the configured fields from the default, for each instance of the field and for each different custom display.



To manage the Kaltura Media field display

1. Select the Structure tab and then select Content Types.
2. Select the content type you want to configure.
3. In the Operation column, click manage display to configure the display/format options.
   - Choose the Drupal Label from the dropdown menu. Select Above, Inline or Hidden.
   - Choose the Display format option for the Kaltura Media Field. For example, the options for video are as follows:

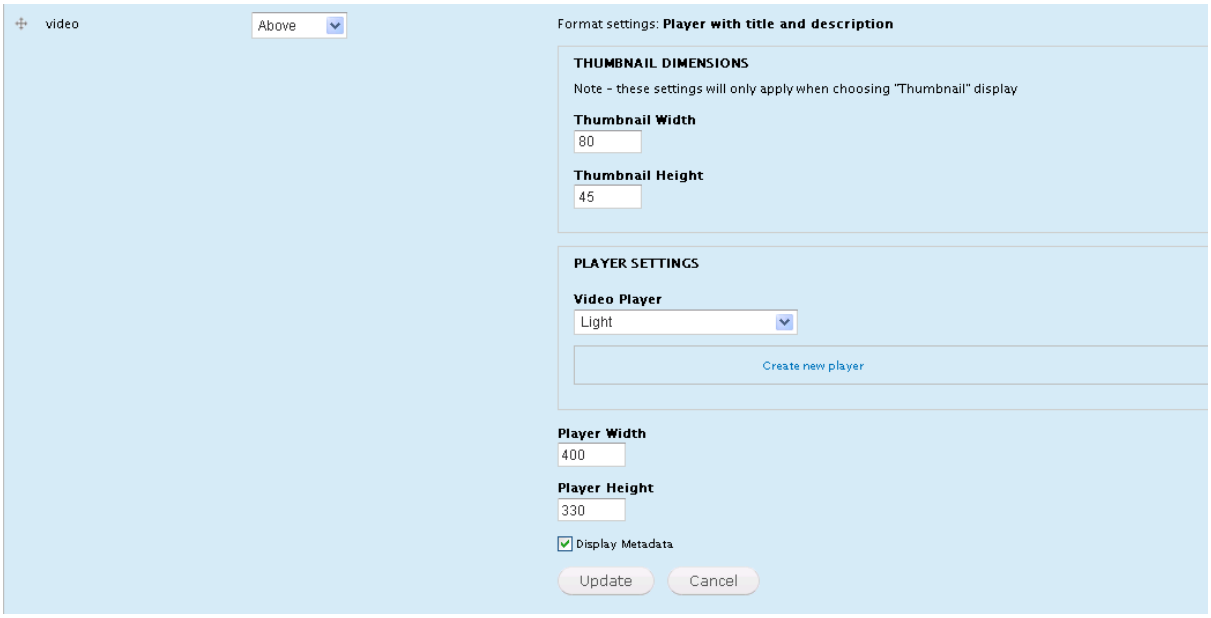


4. Customize your display (optional).
5. Click Save.

To customize the display for a specific instance of the field

1. Select the Structure tab and then select Content Types.
2. Select the content type you want to configure.
3. In the Operation column click manage display to configure the display/format options.
4. Click Customize Display Settings and check the settings you want for you display modes.
   The options you select, for example, Teaser, RSS will be displayed in the manage display screen for further customization.

5. Click on the Display mode, for example, Teaser, and then click the icon to open the instance specific customization fields.



6. Customize the fields.
7. Click Update.

Populating Kaltura Media Fields with Content

After a Kaltura Media Field is created in a content type, each time content of this type is created, the content editor can populate the field with content.

To populate the Kaltura Media field

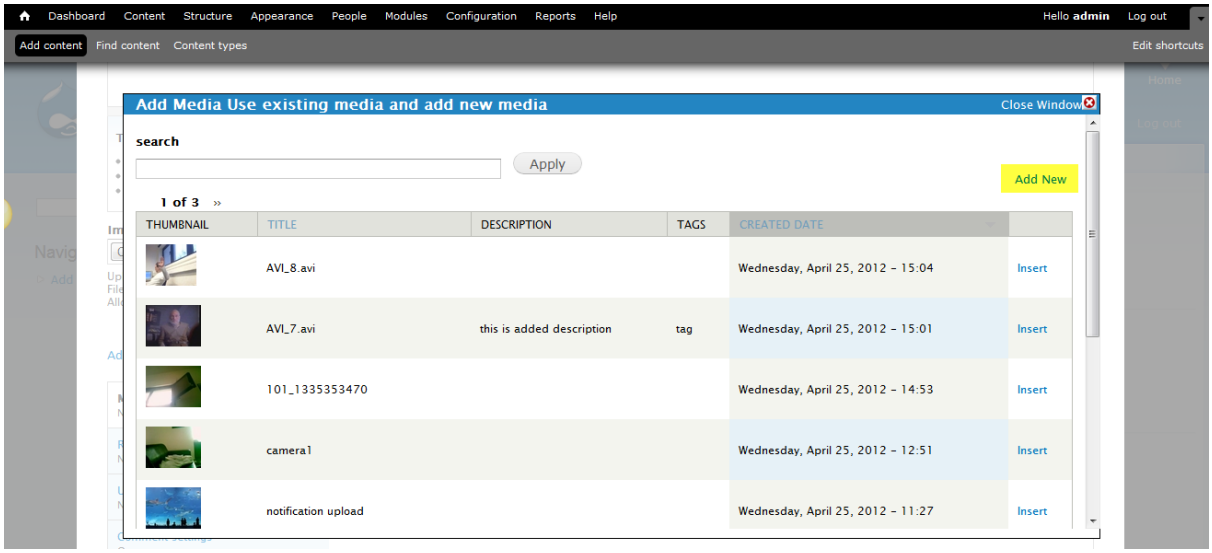
1. Select Content and then select Add Content. The label you defined for each Kaltura Media Field is displayed.
2. Click the relevant label.

   The options to add content for the specific field are dependent on the type of Add Media Settings that were set for the field. See Add Media Settings.

   - If you selected Add new media, the content editor will only be able to upload new media to populate the field.
   - If you selected Use existing media only, the content editor will not be able to upload new media content.
   - If you selected Use existing media and add new media – the content editor will be able to upload new media as well as choose from existing uploaded content

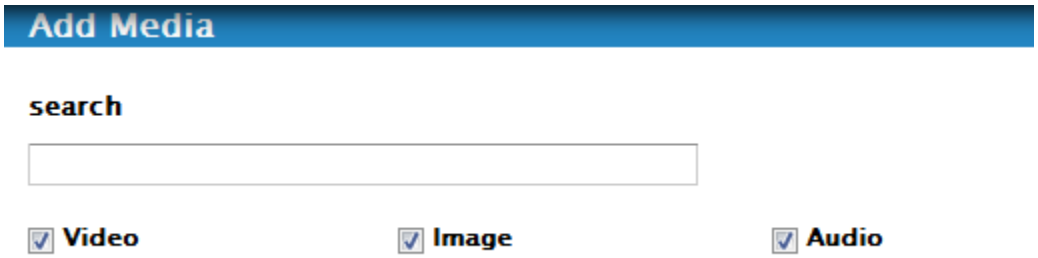
   The following example displays a label created for adding new and existing media.

   Add Media Use existing media and add new media



3. To sort the content, click on the column table headings for Title and Created By.
4. To search through your media content, enter a text string and click Apply.

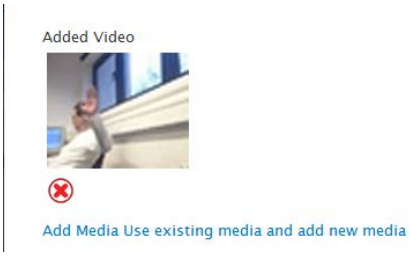
NOTE: If you selected more than one media type, you can filter the type of content for your search by using the check boxes



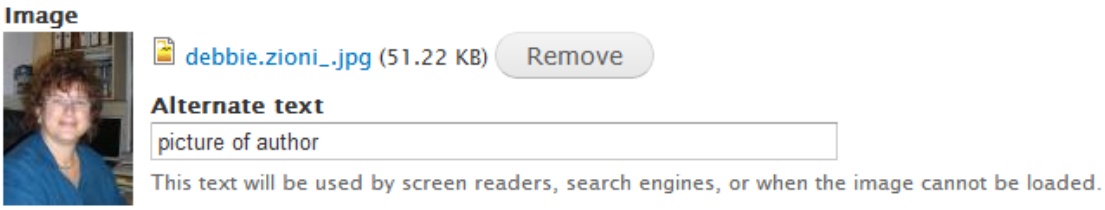
The label "Add New" (highlighted in the screenshot) appears only when the field is configured to Add new media. Clicking Add New initiates the Kaltura Contribution Wizard flow. See Adding Media through the Kaltura Contribution Wizard.

5. After you select/find the media that you want to use in this specific content, click Insert.

   In the create/edit Content type page, the selected content is displayed as you specified in the display format.



o To remove the content for the Kaltura Media field for a video, click on the red x.



- To remove the content for the Kaltura Media field for an image, select Remove.

6. Click Save.

After you save the content, the content is displayed as defined in the field display settings. See Managing the Content Type Display.

Adding Media through the Kaltura Contribution Wizard

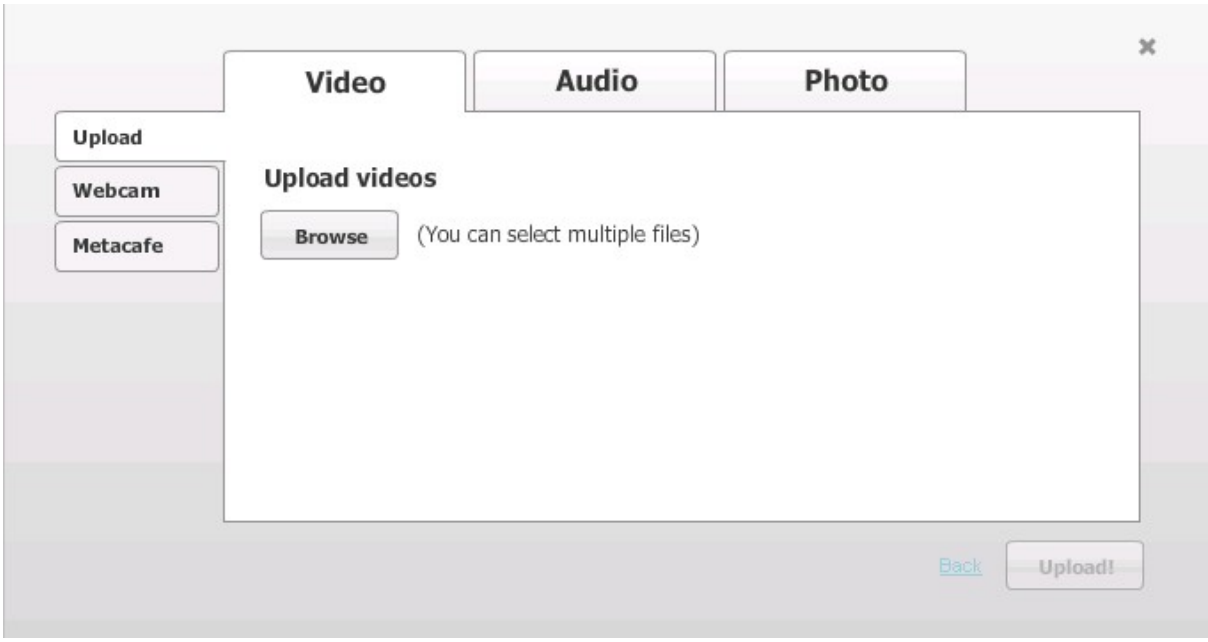
When adding new media, Kaltura Contribution Wizard (KCW) widget is used. The options available on the KCW depend on the widget type selected for the field.

- If you selected 'Video only widget', only the Video tab will be available.
- If you selected 'Audio only widget', only the Audio tab will be available.
- If you selected 'Image only widget', only the Image tab will be available.
- If you selected 'All media types widget', all three tabs will be available.
- If you selected Webcam widget, only the Webcam option within the Video tab will be available.

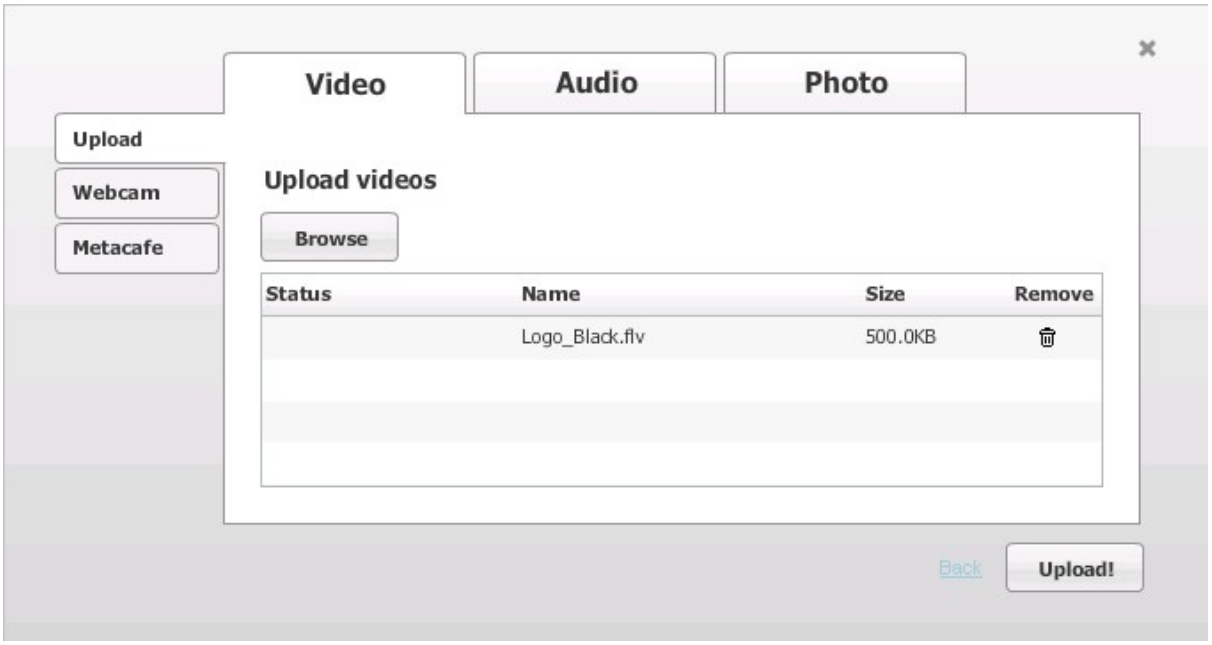
The following example describes how to contribute media using the Kaltura Contribution Wizard to populate a Kaltura Media Field in the Drupal site.

To contribute media using the Kaltura Contribution Wizard

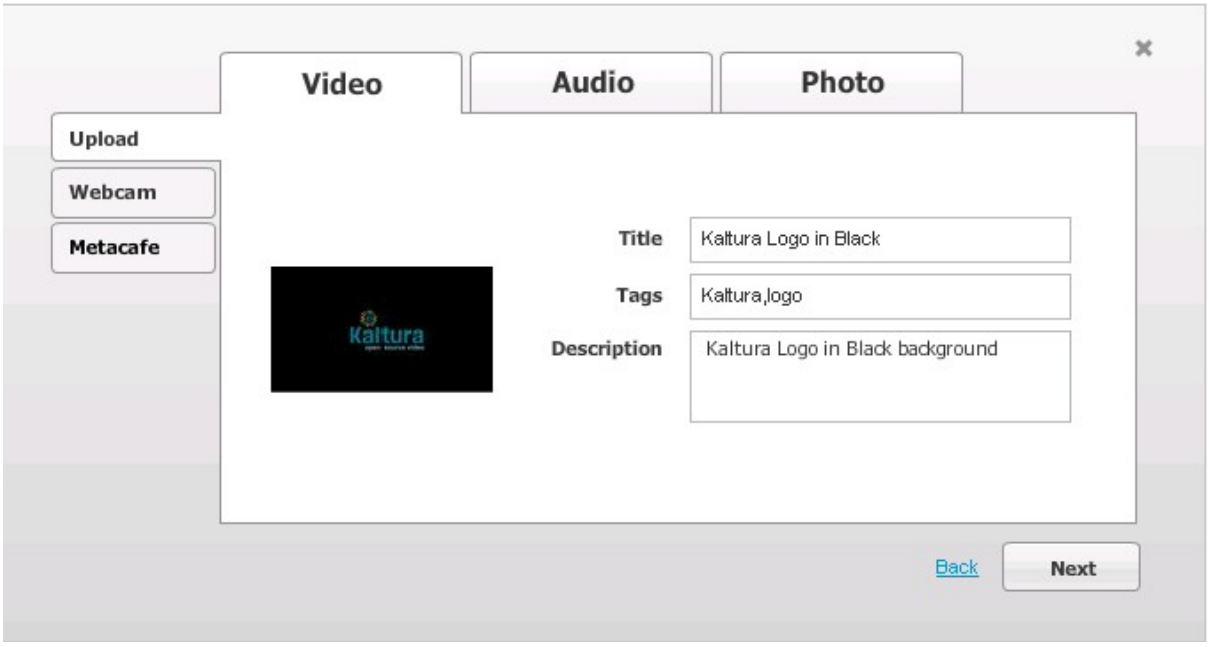
1. Depending on the options you selected for widgets and adding media, the Kaltura Contribution Wizard is displayed.



2. Select the type of content and source using the different tabs and options.
   In this example, a video file is used as the sample to upload.



3. Press ‘Upload!’ to upload the content to Kaltura.



4. Fill in metadata for the content.
5. Press ‘Next’ to finish the process.

SECTION 4

Additional Integration Points

This section describes additional ways to integrate the Kaltura Video Module to Drupal. The following topics are described:

- Synchronizing the Kaltura Publisher Account to Drupal
- Editing Content Metadata
- Configuring Kaltura Module Settings for Mobile
- Drupal Views Integration
- Integration with the Drupal Permissions

Synchronizing the Kaltura Publisher Account to Drupal

There are several levels of synchronizing your Kaltura publisher account to Drupal.

- **Automatic** – server side notifications

  Server side notifications update the Drupal with events occurring in your Kaltura account outside the Drupal site. These events include, for example:

  - New entries added
  - Update of metadata and thumbnail of existing entries
  - Deletion of existing entries

  These notifications are set in your Kaltura account. You can modify the notification settings in the KMC. For more information, see the Knowledge Center.

- **On-demand** – import

  You can sync content through the Configuration tab. In the Media section, select Kaltura module settings and then select the Importing Entries from Kaltura to Drupal tab. See On-demand import.

- **Scheduled**

  You can add Kaltura API calls and actions on the Drupal database to a CRON job. This option is for advanced Drupal users.

Content that is contained in your Kaltura account is the media that is synced to Drupal. Content that is edited (metadata) in Drupal is also synced to Kaltura. See Editing Content Metadata for more information.

Depending on your workflow, you may select different syncing methods that can be used simultaneously. For example, you may want to have each entry in your Kaltura account synced for use at a later time, regardless where it was uploaded from. To use this type of synching you will need to turn on the relevant notifications in the KMC. Or, for example, you may want to select certain entries from the content in your Kaltura account for Drupal site content editors to use. Select the On-demand option to synchronize this type of scenario.

Another example is you may have existing content on you Kaltura account that was uploaded before you added the Drupal module and would like to use the content. Use the On-demand option and then turn on the automatic process to ensure that all additional content from Kaltura will be uploaded.

To import content into Drupal using the On-demand mode

1. Go to Configuration.

2. In the Media section, select Kaltura module settings and then select the Importing Entries from Kaltura to Drupal tab.

   The list of media entries in your Kaltura account that have not been synced to the Drupal server are displayed.
3. Check “Check all”, to import all the entries that are on the page, or, check the individual entries you want to import.
4. Click Import Selected.

Editing Content Metadata

You may want to edit the metadata for content that you have uploaded and synced to the Drupal site.

To edit content metadata in Drupal

1. Select the Configuration tab.
2. In the Media section, select Kaltura module settings and then select the Importing Entries from Kaltura to Drupal tab.
3. Click on the List of Kaltura Items tab and then click Edit Metadata.
4. Modify the metadata information. You can edit the Title, Description and Tags fields, and then click Submit.

   The metadata is synchronized to your KMC content through the Kaltura API.

Configuring Kaltura Module Settings for Mobile

Several mobile platforms do not support Flash plugins and subsequently the video tag is the exclusive mechanism to distribute video in these mobile HTML browsers.

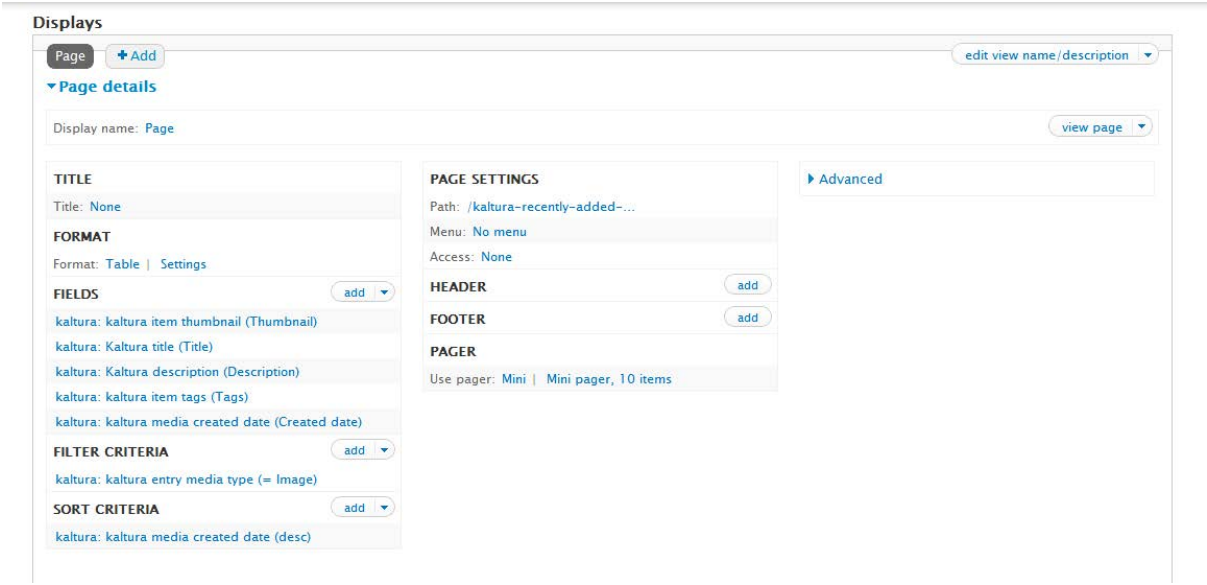
To configure the Kaltura Media field for HTML5 encoding

1. Select the Configuration menu.
2. In the Media section select Kaltura Module Settings.
3. Click on the Kaltura Settings tab.
4. Check the Support iPhone and iPad with HTML5 box and click Submit.

Drupal Views Integration

The Kaltura Module is fully integrated with Drupal Views. You can create a dynamic display of filtered Kaltura content using Drupal Views. Default Views are provided with the Kaltura Module.

The following shows an example of editing a View that is using Kaltura content. This specific example is one of the predefined views where the Filter is set to image, and the sort a criterion is set to created date.



A View that contains Kaltura content may also be configured and displayed as a block to allow greater design flexibility for your site.

Integration with Drupal Permissions

Permissions let you control what users can do and see on your site. There are four Kaltura permissions that are integrated with the Kaltura Drupal Module.

- Administer Kaltura
- Access Kaltura Widgets
- View Kaltura embed code
- Edit Kaltura Metadata