

Ingest media with metadata using CSV, XML, or API

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 This article is designated for administrators.

About

This article explains how to use and customize Kaltura's CSV and XML bulk upload templates to support advanced ingestion workflows. You can add custom metadata, account-specific settings, and content options like multiple thumbnails or transcoding flavors.

Each line in a CSV file or `<item>` in an XML file represents a single media entry. That entry is created in your account using the metadata and content defined in the row or element.

How validation works

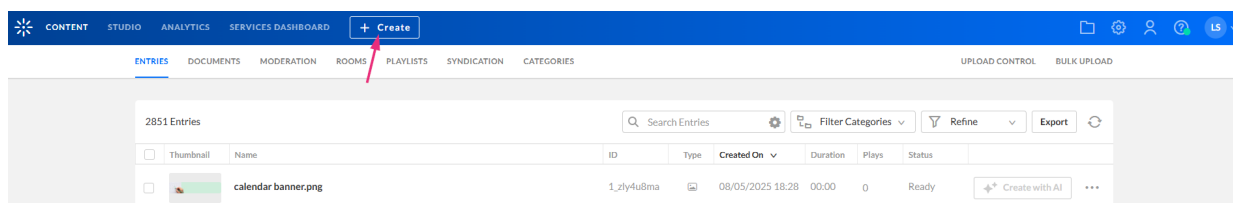
When you upload a CSV or XML file, Kaltura validates it before processing. The system checks:

- Structure of the file
- Required fields
- Order and formatting of metadata elements
- Compliance with Kaltura's bulk upload schema (XSD)

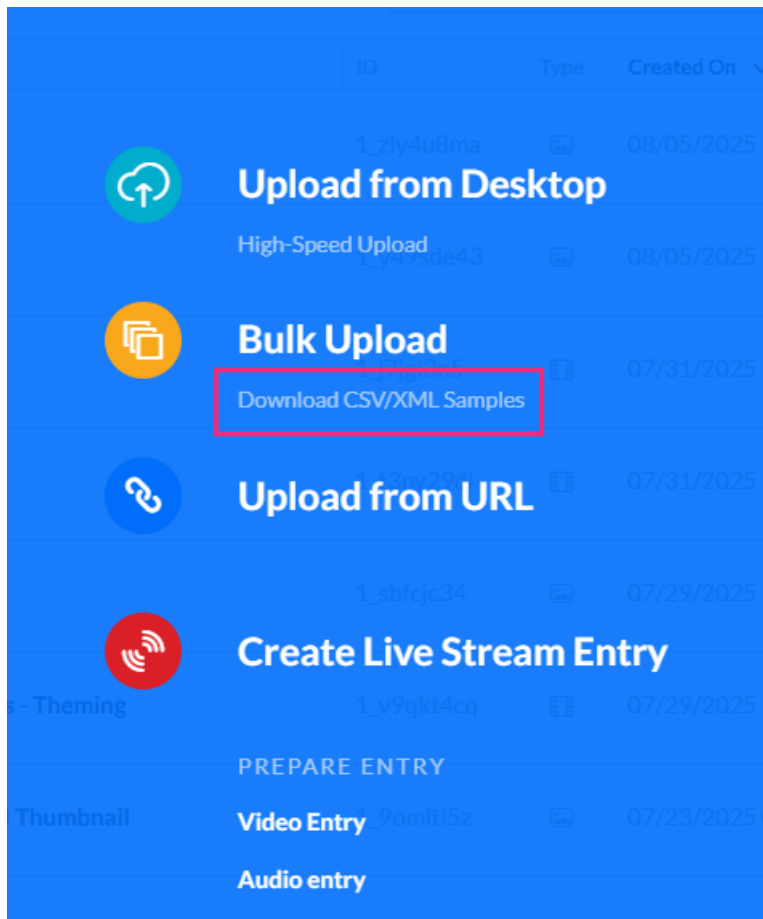
To learn more about the structure of CSV and XML files, see [Introduction to bulk upload](#).

Use sample files

Click the **+Create** button in the KMC.



Click **Download CSV/XML Samples**.



Fill in the relevant metadata fields in the downloaded file

Add advanced options

You can extend the CSV or XML sample to support:

- Multiple or custom metadata fields
- Multiple thumbnails
- Multiple transcoding flavors
- Entry updates using the update action
- Account-specific metadata profiles



Make sure to follow the XSD schema to avoid validation errors.

Learn more

To explore the XML structure for custom data items, refer to the official schema documentation:



customDataItems element

customData element
