

# Update metadata and fields using XML

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 This article is designated for administrators.

## About

This article explains how to create and structure an XML file for bulk updating entries using Kaltura's MRSS-based XML format. It includes annotated examples and key rules to ensure successful ingestion.

You can use XML files to:

- Update existing entries in bulk
- Modify metadata, categories, and other fields
- Work with custom metadata profiles

To learn more about XML ingestion, see [What is bulk upload and FTP content ingestion?](#) and [What is KML bulk upload?](#)

## Example XML file with comments

```
<?xml version="1.0"?>

<!--the row above and this part below should not change-->

<mrss xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:noNamespaceSchemaLocation="ingestion.xsd">
<channel>
<item>
<action>update</action>

<!--here you determine the entry ID you want to update-->

<entryId>0_bukomjmo</entryId>

<!--name and description are textual values with little to none limitations (maybe just the length)-->

<name>TEST</name>
<description>TEST</description>

<!--only in the category part, write the categories by their accurate names. to show categories hierarchy, start with
the highest one and put the > sign between them with no spaces. you can add or remove as much
<category>XXX</category> fields as you wish. If the categories do not exist, like in the second example, they will be
created-->

<categories>
<category>Events>2014</category>
<category>Events>TEST</category>
</categories>
```

```
<!--these fields below should also not change, unless you want to set a different custom metadataProfileId-->

<customDataItems>
<customData metadataProfileId="906921">
<xmlData>
<metadata>

<!-- these are textual fields, but note that in your metadata profile the 'event' and 'page' values are limited to one
character-->

<Event>1</Event>
<Page>1</Page>

<!-- 'rider' and 'horse' are unlimited textual files-->

<Rider>TEST</Rider>
<Horse>TEST</Horse>

<!--'Disciplines' is a field the is chosen from a list of values, meaning that if you will not choose a value from the list
the file will fail completely-->

<Disciplines>Arabian</Disciplines>

<!--this part below should also not change-->
</metadata>
</xmlData>
</customData>
</customDataItems>
</item>
</channel>
</mrss>
```

## Example XML file without the "event " field

The following is an example of an XML file without the 'Event' field. The fields that are necessary are the action and entryId.

```

<!--
the row above and this part below should not change
-->
<mrss xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:noNamespaceSchemaLocation="ingestion.xsd">
<channel>
<item>
<action>update</action>
<!-- here you determine the entry ID you want to update -->
<entryId>0_bukomjmo</entryId>
<!--
name and description are textual values with little to none limitations (maybe just the length)
-->
<name>TEST</name>
<description>TEST</description>
<!--
only in the category part, write the categories by their accurate names. to show categories hierarchy, start with the
highest one and put the > sign between them with no spaces. you can add or remove as much
<category>XXX</category> fields as you wish. If the categories do not exist, like in the second example, they will be
created
-->
<categories>
<category>Events>2014</category>
<category>Events>TEST</category>
</categories>
<!--
these fields below should also not change, unless you want to set a different custom metadataProfileId
-->
<customDataItems>
<customData metadataProfileId="906921">
<xmlData>
<metadata>
<!--
these are textual fields, but note that in your metadata profile the 'event' and 'page' values are limited to one
character
-->
<Page>1</Page>
<!-- 'rider' and 'horse' are unlimited textual files -->
<Rider>TEST</Rider>
<Horse>TEST</Horse>
<!--
'Disciplines' is a field the is chosen from a list of values, meaning that if you will not choose a value from the list the
file will fail completely
-->
<Disciplines>Arabian</Disciplines>
<!-- this part below should also not change -->
</metadata>
</xmlData>
</customData>
</customDataItems>
</item>
</channel>
</mrss>

```

## Important: Include all metadata fields when updating

When updating metadata, your XML file must include all existing custom metadata fields, not just the ones you want to change. Otherwise, omitted fields may be cleared

or overwritten.

Example:

- test1
- test2
- test3
- {blank}

If you want to update field #4, your XML must include all the previous fields:

```
<xmlData>
  <metadata>
    <1>test1</1>
    <2>test2</2>
    <3>test3</3>
    <4>new content</4>
  </metadata>
</xmlData>
```



To remove all custom metadata from an entry, delete all content between `<customDataItems>` and `</customDataItems>`.