# Update metadata and fields using XML

Last Modified on 10/16/2025 6:34 pm IDT

**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 Learn about CSV and XML files for 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-->
```

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

<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.

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```
<!--
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>
```

⚠

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.

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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>.

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