

# Category and channel end-user entitlements CSV - usage and schema description

Last Modified on 05/06/2026 8:41 pm IDT

 This article is designated for administrators.

## About

The End-User Entitlements CSV is used for setting, updating or deleting specific end-user permissions to categories. The end-user permission to a category is set to a specific user ID and with a defined permission level. End-user entitlements can be set to multiple categories through a single CSV file.

## Purpose and usage

The End-user entitlements bulk operation may be useful for the following cases:

- Creating multiple end-user permissions for the initial setup of MediaSpace group channels based on users' membership in organizational units.
- An on-going scheduled process for syncing end-user permissions to MediaSpace group channels with group membership's information saved in an organizational system.
- All user permissions created via this bulk service are set to an automatic "update method". When an on-going sync process is activated on a regular basis - it is possible to manually override the automatically created user permissions from the Rich Media CMS or MediaSpace for granting different permission levels to some users in the group. In this case the specific user permissions will be set to a manual "update method", for example, group managers, and will not be overridden by upcoming executions of the end-user entitlements bulk service.



For an efficient on-going CSV based sync process, it's recommended that only new user permissions and user permissions that require updating or deletion, based on recent changes in organizational structure, will be included within the CSV and not the entire group directory.

## General guidelines

- Lines that begin with a # character will not be processed.

- The first line for processing (fields’ definition line) should start with an \* sign and should include the field names to be populated via the CSV, according to the defined schema of each CSV format. Mandatory fields must be present. The field order may be set as needed.
- Each line for processing within the CSV should include a comma separated list of values ordered by the field ordering set in the fields’ definition line.
- Each line for processing within the CSV will apply an action on a single Kaltura object. For example: each line in the End-User Entitlements CSV will apply the action to a single end-user permission to a category.
- The CSV may be submitted from the Rich Media CMS (through the Upload menu) or via a script, by utilizing Kaltura’s API.
- Prior to processing the CSV file, its format is validated. When a mandatory field is missing, the bulk job will fail and processing will not start.
- Bulk job tracking as well as downloading bulk job related files (the original CSV and log files) are done through the Rich Media CMS using the **Bulk Upload Log** feature under the **Upload Control** page.
- Email notifications on the completion of bulk upload processing - including completion status and a direct link to the log file, can be configured by Kaltura per request.
- There is no limitation on the supported number of lines within each CSV. The overall processing time of each CSV file is affected by the number of lines included in it.
- The following special characters can be populated within text fields via the CSV file:  
 - \_ % ? . : ; & > @ ! \$ ^ ~ = [ ] { } | <

See special exceptions within each schema description.

- The CSV examples included in this guide are displayed in screens from MS Excel for better clarity.

### Schema description for end-user entitlements CSV

The following table includes descriptions for all end-user attributes supported by Kaltura. CSV examples targeted to MediaSpace user-management only are available below.

Parameter Name	Mandatory/Optional	Description	Default	Type and Res
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Parameter Name	Mandatory/Optional	Description	Default	Type and Res
action	Optional	Kaltura's numeric value for the action to apply for specific end-user permission to a category.	1=Add	KalturaBulkOp
categoryId	Optional	<p>CSV lines with different actions can be combined into a single CSV file. Only fields that are relevant to the CSV action will be used.</p> <p>The supported action types and their numeric values are:</p> <p>1=Add - to add specific end-user permission to a category</p> <p>2=Update - to update a specific end-user permission to a category</p> <p>3=Delete - to delete a new specific end-user permission to a category</p> <p>6=Add or Update - to add or update a specific end-user permission to a category.</p>		Integer

Parameter Name	Mandatory/ Optional	Description to which the specific end-user permission should be added/updated/deleted.	Default	Type and Res
		This field is optional but either the categoryId or the referencedId fields must be provided for identifying the category to which the action should apply.		
categoryReferencedId	Optional	<p>A possible identifier of the category from an external system. The categoryReferencedId field is used in the CSV for identifying the category to which the specific end-user permission should be added/updated/deleted.</p> <p>This field is optional, but either the categoryId or the categoryReferencedId fields must be provided for identifying the category to which the action should apply.</p> <p>The uniqueness of categoryReferencedId field is not verified nor managed in Kaltura. It is recommended to use a logic that maintains this uniqueness for being able to reference bulk actions and API calls to a specific category.</p>		Text Field. Max Characters

Parameter Name	Mandatory/Optional	Description	Default	Type and Res
		Multiple categories with the same categoryReference exist in the account, CSV update/delete actions will be committed only to a single category.		
userId	Mandatory	The identifier of the end-user to which the category permission should be added/updated/deleted for.  When the user account is not yet set in Kaltura it will be created as part of this bulk service with the given userId		Text Field.  Minimum length Maximum length  Only the following are supported characters: . _ @ -
permissionLevel	Optional	The numeric value of the permission Level the end-user should be granted for the specific category. The supported values are:  0=Manager  1=Moderator  2=Contributor  3=Member	3=Member	KalturaCategory
updateMethod	Optional	The numeric value of the update method the end-user permission to the category should be	1=  Automatic	KalturaUpdateM

Parameter Name	Mandatory/Optional	Description	Default	Type and Res
		0=Manual		
		1=Automatic		
status	Optional	The numeric value of the status of the end-user permission to the category. The supported values are:  1=Active  3=Deactivated (update actions only)	1=Active	KalturaCategor

## Examples of end-user entitlements CSV

### Adding / updating permissions to two categories

This example uses the `referenceId` as the category identifier.

	A	B	C	D
1	*action	categoryReferenceId	userId	permissionLevel
2	6	EDU	danba1	0
3	6	EDU	johnc3	2
4	6	EDU	mikea2	2
5	6	EDU	sharonyd1	2
6	6	EDU	johnathans2	2
7	6	ENT	lenar56	0
8	6	ENT	donr523	3
9	6	ENT	ronw3556	3

### Deleting end-user permissions from specific categories

This example uses the `referenceId` as the category identifier.

	A	B	C
1	*action	categoryReferenceId	userId
2	3	EDU	DebbieZ123
3	3	EDU	MikeG2433
4	3	ENT	BeckyG243

### Adding user entitlements in bulk

This example makes one user manager of multiple channels in bulk.

Specify "action", "categoryId", "userId" and "permissionLevel".

12	*action	categoryId	userId	permissionLevel	
13	1	156095501	csv.user2	3	
14	1	156095345	csv.user2	3	
15	1	156095189	csv.user2	3	
16	1	156095033	csv.user2	3	
17	1	156094877	csv.user2	3	
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