

Kaltura LMS integration for Canvas - Upgrading from LTI 1.1 to LTI 1.3

Last Modified on 11/21/2024 6:32 pm IST


 This article is designated for administrators.

About

This guide explains how to upgrade the Kaltura LMS integration for Canvas from LTI 1.1 to LTI 1.3. The integration is implemented using LTI external tools, added via an LTI Developer Key in Canvas.

Changes in user experience

Canvas does not support multiple tools by the same vendor in the same tool placement. With LTI 1.3, you can no longer have both [My Media](#) and [Media Gallery](#) together in the course navigation as was possible with LTI 1.1. For more information, see section [Canvas LTI tool placements](#).

 Kaltura has built LTI 1.3 support into KAF, allowing you to upgrade from LTI 1.1 without changing existing media embeds created with the Kaltura Browse, Search, and Embed tool.

Prerequisites

- A Kaltura administrator account
- A [KAF](#) instance for Canvas, minimum version 5.99.46
- A Canvas administrator account

Step 1 - Backup your KAF configuration

1. Log into your KAF Configuration Management console (https://{your_KAF_base_URL}/admin).
2. Under **Server Tools**, click **Backup Configuration**.

MANAGE CONFIGURATION | MANAGE USERS | MANAGE GROUPS | KNOWLEDGE BASE | CLEAR THE CACHE | GO TO SITE

Configuration Management

Server Tools

- Backup Configuration
- Player replacement tool

Global

- Application
- AddNew
- Auth
- Categories
- Channels
- Client
- Debug
- EmailService

Application

instanceld	KnowledgeCenter	Unique string to identify that installation of mediaspace. This value can be set during installation only.
privacyContext	MediaSpace	String used to be set as privacy context on root category. This value can be set during installation only.
userRoleProfile	19233402	Metadata Profile ID for user's role per KMS installation instance
virtualEventId	1078052	The event ID for this site, used for analytics and prerequisite for Application Registry feature set.

- On the Backup Configuration page, click **Save Backup**.

MANAGE CONFIGURATION | MANAGE USERS | MANAGE GROUPS | KNOWLEDGE BASE | CLEAR THE CACHE | GO TO SITE

Backup Configuration

Server Tools

- Backup Configuration
- Player replacement tool

Global

- Application
- AddNew
- Auth
- Categories

Create a snapshot of the current site configuration (all modules) as a "Last Good Configuration". This snapshot can be later used in case a configuration restore is needed. We recommend setting the backup snapshot once the initial setup is completed.

Save Backup | Restore Last Saved Configuration

Last configuration save date: 2023-04-10 16:50:40 GMT

A confirmation message displays: *Are you sure you want to save current configuration? Remember that previous backups will be deleted.*


- Click **Yes, Save**.

Configuration Backup [X]

Are you sure you want to save current configuration? Remember that previous backup will be deleted.

Cancel | Yes, Save

Once the backup is complete, you'll see a confirmation message: *Configuration file was saved successfully.*

 The backup page will display the 'last configuration save date', which reflects the date when the configuration settings were last modified, not the date the backup was performed.

Step 2 - Enable LTI 1.3

- In your Configuration Management console, navigate to the **Hosted** module.
- On the Hosted module page, locate the **authMethod** field and select **lti1.3** from the dropdown.

authMethod	<input type="text" value="lti1.3"/>	
lti13PlatformOidcAuthUrl	<input type="text"/>	Single endpoint at the platform domain (i.e. LMS) the tool will redirect the browser to, to initiate the OIDC authentication flow.
lti13AuthTokenUri	<input type="text"/>	OAuth 2 auth token endpoint of the platform (KAF will use this to get access token to be able to call the relevant services on the platform, like ags, caliper etc.)

An additional section displays.

authMethod	<input type="text" value="lti1.3"/>	
lti13PlatformOidcAuthUrl	<input type="text"/>	Single endpoint at the platform domain (i.e. LMS) the tool will redirect the browser to, to initiate the OIDC authentication flow.
lti13AuthTokenUri	<input type="text"/>	OAuth 2 auth token endpoint of the platform (KAF will use this to get access token to be able to call the relevant services on the platform, like ags, caliper etc.)
lti13KeysUri	<input type="text"/>	JWKS URL that contains the platform's key for JWT verification

3. Configure the following fields:

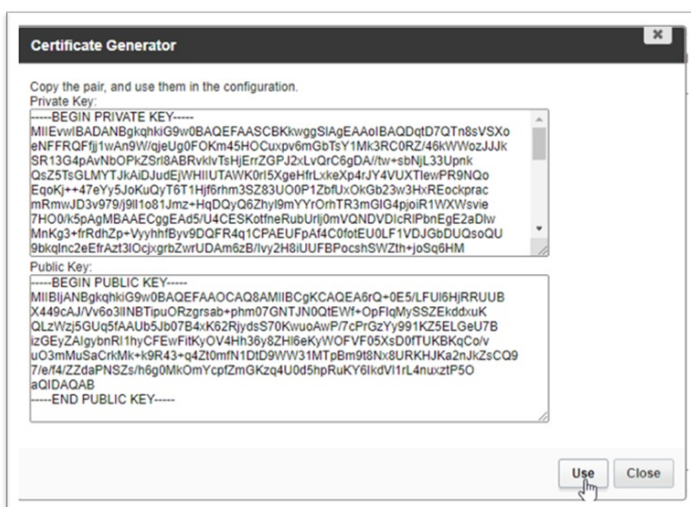
- **lti13PlatformOidcAuthUrl** = `https://{your_Canvas_Domain}/api/lti/authorize_redirect`
- **lti13AuthTokenUri** = `https://{your_Canvas_Domain}/login/oauth2/token`
- **lti13KeysUri** = `https://{your_Canvas_Domain}/api/lti/security/jwks`

4. Scroll down to the **LTi3service** section and click **Generate key pair here**.

lti13ServicePrivateKey	<input type="text"/>	Service Private Key - this is used to sign the JWT or other calls done from KAF to the platform like in Deep Linking Response. You can generate key pair here
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This generates the keys.

5. In the Certificate Generator window, click **Use** to have the key pairs saved to the **lti13ServicePrivateKey** and **lti13ServicePublicKey** fields.



6. Scroll to the bottom of the Hosted module page and click **Save**.

Step 3 - Generate LTI developer key JSON

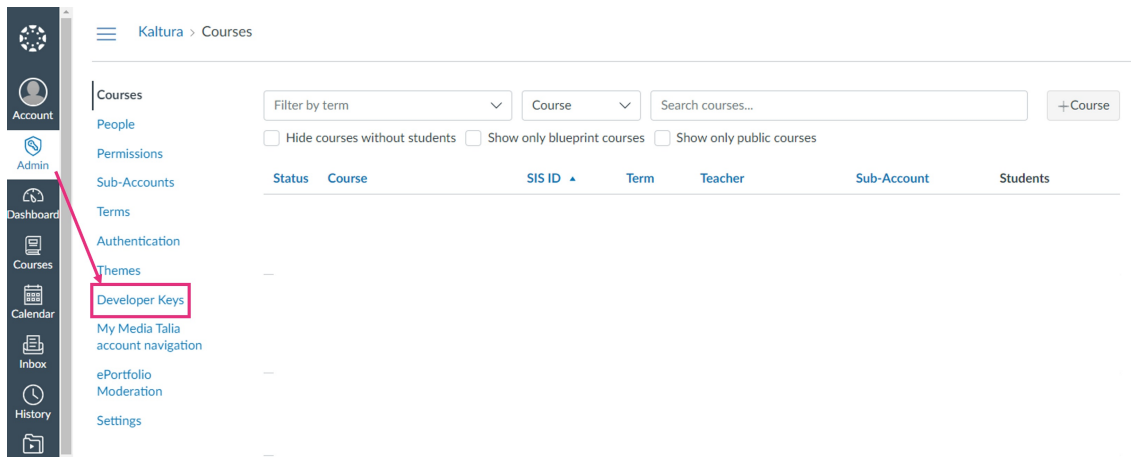
Enter the following URL in your browser: `https://{your_KAF_URL}/canvas/config/create-json-for-instance` Example: `https://12345.kaf.kaltura.com/canvas/config/create-json-for-instance`

! If you're using a KAF domain other than `.kaltura.com`, make sure to use it as the input for your_KAF_URL.

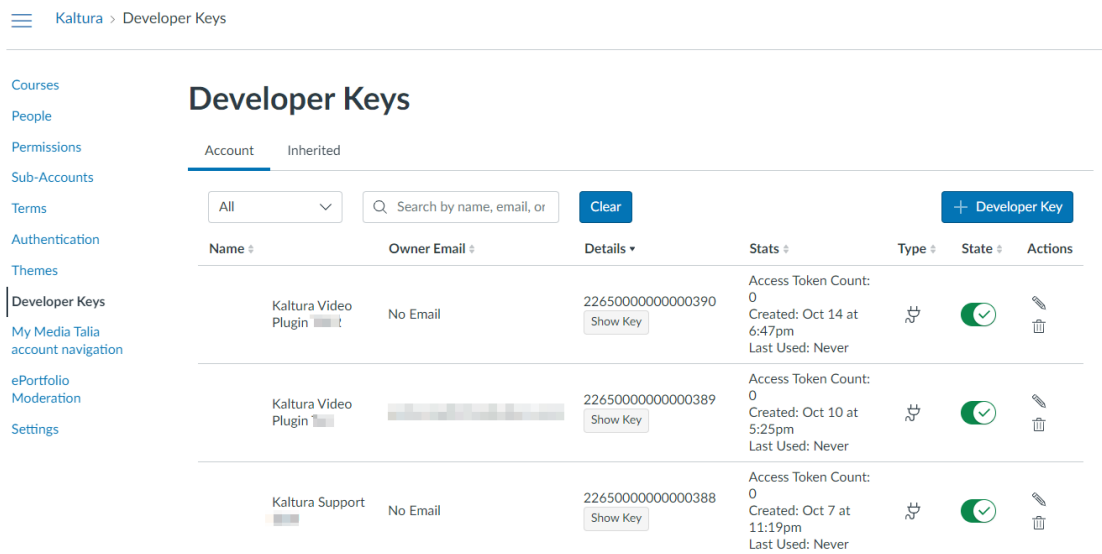
The JSON will be used in the next step to create the LTI developer key.

Step 4 - Create LTI developer key

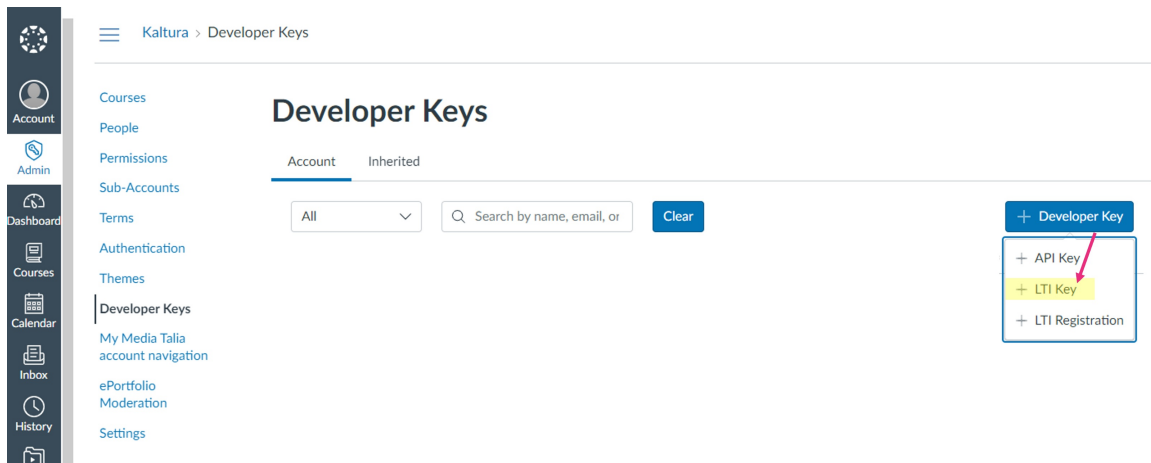
1. Log into your Canvas instance as an administrator.
2. Click the **Admin** tab.
3. Click the **Developer Keys** tab.



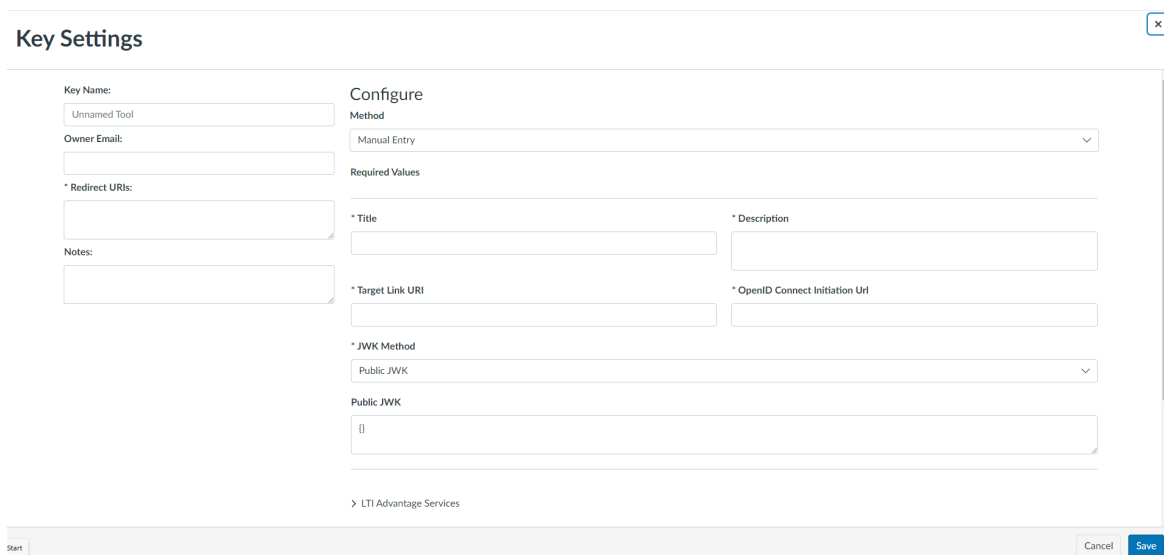
The **Developer Keys** page displays.



4. Click **+Developer Key** and select **+ LTI Key** from the drop-down list.




The **Key Settings** page displays.



5. Configure the following:

- **Key Name** - Enter 'Kaltura Video Plugin'.
- **Owner email** - optional
- **Redirect URIs** - Enter `https://{your_KAF_URL}/hosted/index/oauth2-launch`
Example: `https://12345.kaf.kaltura.com/hosted/index/oauth2-launch`

 If you're using a KAF domain other than `.kaltura.com`, make sure to use it as the input for your_KAF_URL.

- **Notes** - optional
- **Method** - Select **Paste JSON** from the drop-down list.

Key Settings

Key Name:

Owner Email:

* Redirect URIs:

[Sync URIs](#)

Notes:

Configure

Method

Paste JSON ^

Manual Entry

Paste JSON

Enter URL

[Prettify JSON](#)

6. In the **LTI 1.3 Configuration** field, copy the JSON code from the previous section ([Generate LTI Developer Key JSON](#)) and paste it between the brackets.

Key Settings

Key Name:

Owner Email:

* Redirect URIs:

[Sync URIs](#)

Notes:

Configure

Method

LTI 1.3 Configuration

Paste JSON code between brackets

7. Scroll down and click **Save**.

The new LTI developer key will now be listed on the Developer Keys page. If the **State** is set to off (red), it means the key is disabled. To enable the key, click the toggle (green).

Kaltura > Developer Keys

- Courses
- People
- Permissions
- Sub-Accounts
- Terms
- Authentication
- Themes
- Developer Keys**
- My Media Talia account navigation
- ePortfolio
- Moderation
- Settings

Developer Keys

Account Inherited

[Clear](#)

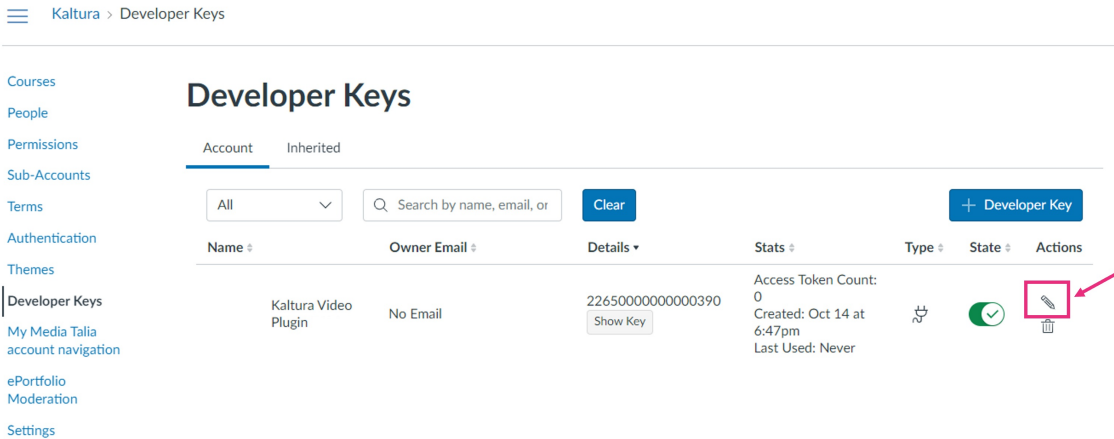
[+ Developer Key](#)

Name	Owner Email	Details	Stats	Type	State	Actions
Kaltura Video Plugin	No Email	22650000000000390 Show Key	Access Token Count: 0 Created: Oct 14 at 6:47pm Last Used: Never			

Step 5 - Configure LTI developer key LTI advantage services

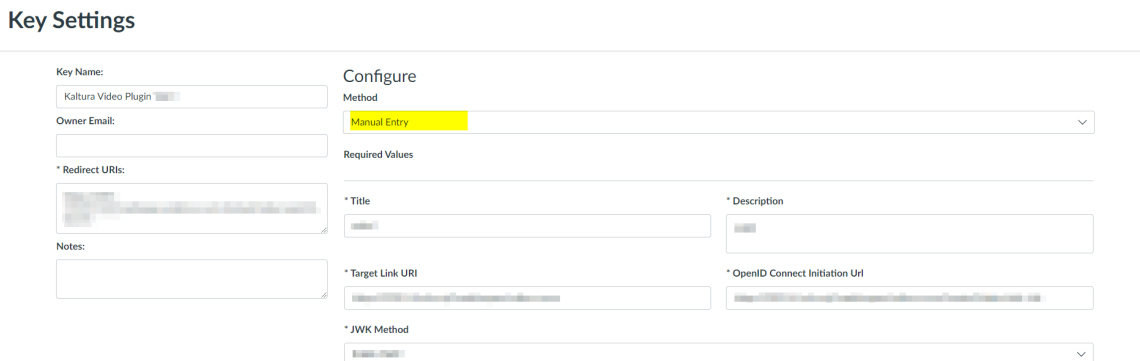
In order for the LTI developer key to work properly, certain LTI advantage services must be enabled.

1. Edit the LTI developer key you created by clicking on the **pencil icon** to the far right of the key.



The **Key Settings** page displays.

2. In the **Method** field, change to **Manual entry**.



3. Scroll down to the **LTI Advantage Services** section and click to expand the section.

LTI Advantage Services

! Services must be supported by the tool in order to work. Check with your Tool Vendor to ensure service capabilities.

- Can create and view assignment data in the gradebook associated with the tool.
- Can view assignment data in the gradebook associated with the tool.
- Can view submission data for assignments associated with the tool.
- Can create and update submission results for assignments associated with the tool.
- Can retrieve user data associated with the context the tool is installed in.
- Can update public jwk for LTI services.
- Can lookup Account information.
- Can view Progress records associated with the context the tool is installed in.
- Can view the content of a page the tool is launched from.

4. Make sure the following **LTI Advantage Services** are turned on in addition to others that are enabled:

- Can create and view assignment data in the gradebook associated with the tool.
- Can view assignment data in the gradebook associated with the tool.
- Can view submission data for assignments associated with the tool.
- Can create and update submissions for assignments associated with the tool.
- Can retrieve user data associated with the context the tool is installed in.
- Can update publish jwk for LTI services.

5. Click **Save** if you have made any changes.

Step 6 - Confirm values in the LTI developer key additional settings

1. Click **Additional Settings** to expand the section.

Additional Settings

<p>Domain</p> <input type="text" value="...kaltura.com"/>	<p>Tool Id</p> <input type="text" value="https://...kaltura.com"/>		
<p>Icon Url</p> <input type="text"/>	<p>Text</p> <input type="text"/>	<p>Selection Height</p> <input type="text"/>	<p>Selection Width</p> <input type="text"/>

Custom Fields

```

custom_canvas_user_id=$Canvas.user.id
custom_canvas_course_id=$Canvas.course.id
custom_canvas_user_login_id=$Canvas.user.loginId
                    
```



One per line. Format: name=value

2. Review the following fields:

- **Domain** - your KAF domain without the `https://`
- **Tool Id** - your KAF URL including `https://`
- **Icon Url, Text, Selection Height, Selection Width** - leave blank
- **Custom Fields** - include the following three custom parameters:
 - `custom_canvas_user_id=$Canvas.user.id`

- `custom_canvas_course_id=$Canvas.course.id`
- `custom_canvas_user_login_id=$Canvas.user.loginId`

Step 7 - Confirm or edit LTI developer key placement settings

 Clicking on the bubble in the placements box will delete the placement. To edit a placement, click on the  icon to the left of each placement listed.

> LTI Advantage Services

> Additional Settings

Placements

Link Selection × Course Navigation × Global Navigation × Editor Button × Assignment Selection ×

> Link Selection

> Course Navigation

> Global Navigation

> Editor Button

> Assignment Selection

Canvas only allows each placement to be used once per developer key. The JSON file generated by Kaltura includes five placements.

Review and edit the **Text** field for each tool placement as needed:

- **Link Selection:** For the Kaltura Browse Search and Embed tool, used to create video pages.
- **Course Navigation:** For the Kaltura Course Media Gallery.
- **Global Navigation:** For the Kaltura My Media tool in the global left-hand navigation.
- **Editor Button:** For the Kaltura Browse Search and Embed tool in the Canvas Rich Content Editor.
- **Assignment Selection:** For the Kaltura Interactive Video Quiz in the Canvas Assignment tool.

Step 8 - Set the 'lti13ClientID' value for the LTI developer key

1. In Canvas, navigate to the [Developer Keys page](#) (`https://{your_Canvas_base_URL}/accounts/1/developer_keys`).
2. On the **Developer Keys** page, locate the listing for the developer key you created in [Step 4 - Create LTI Developer Key](#) and copy the **Client ID** from the **Details** column.

- Courses
- People
- Permissions
- Sub-Accounts
- Terms
- Authentication
- Themes
- Developer Keys
- My Media Talia account navigation
- ePortfolio
- Moderation
- Settings

Developer Keys

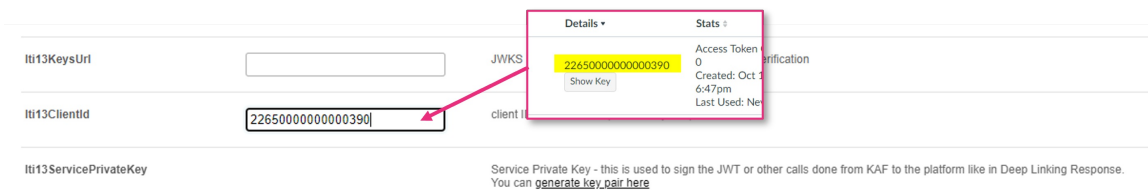
Account Inherited

All ▾

Clear
+ Developer Key

Name ▾	Owner Email ▾	Details ▾	Stats ▾	Type ▾	State ▾	Actions
Kaltura Video Plugin	No Email	<div style="border: 1px solid #ccc; padding: 2px;"> 2265000000000390 Show Key </div>	Access Token Count: 0 Created: Oct 14 at 6:47pm Last Used: Never	🔑	🟢	🗑️

3. Log into your Configuration Management page (https://{your_KAF_base_URL}/admin).
4. Navigate to the **Hosted module** (https://{your_KAF_base_URL}/admin/config/tab/hosted).
5. Scroll down to the **Iti13ClientID** field and paste in the **Client ID**.



The screenshot shows the configuration page for the Hosted module. The 'Iti13ClientID' field is highlighted with a red box and contains the value '2265000000000390'. A red arrow points from this field to the 'Details' column of the Developer Keys table in the previous screenshot, which also contains the same value. Below the table, there is a note: 'Service Private Key - this is used to sign the JWT or other calls done from KAF to the platform like in Deep Linking Response. You can [generate key pair here](#)'.

6. Scroll to the bottom of the Hosted module and click **Save**.

Step 9 - Configure the Kaltura user ID value

⚠️ The default Kaltura User ID is your Canvas User ID, which is often the same as the user's email address. If your organization uses a different value for User IDs, please refer to [Configuring the Kaltura User ID Value to Use with Your LMS Integration](#) before proceeding.

With the Kaltura LMS integration, user ID records are passed from the LMS to Kaltura during the LTI Launch. When using LTI 1.3 authentication, admins can configure which LTI attribute to use for the user ID in the KAF Hosted module.


Kaltura uses a custom parameter in Canvas to store the User ID value. To set this up:

1. Log into your Configuration Management page (https://{your_KAF_base_URL}/admin).
2. Navigate to the **Hosted module** (https://{your_KAF_base_URL}/admin/config/tab/hosted).
3. Scroll down to the **ItiUserIdAttribute** setting.

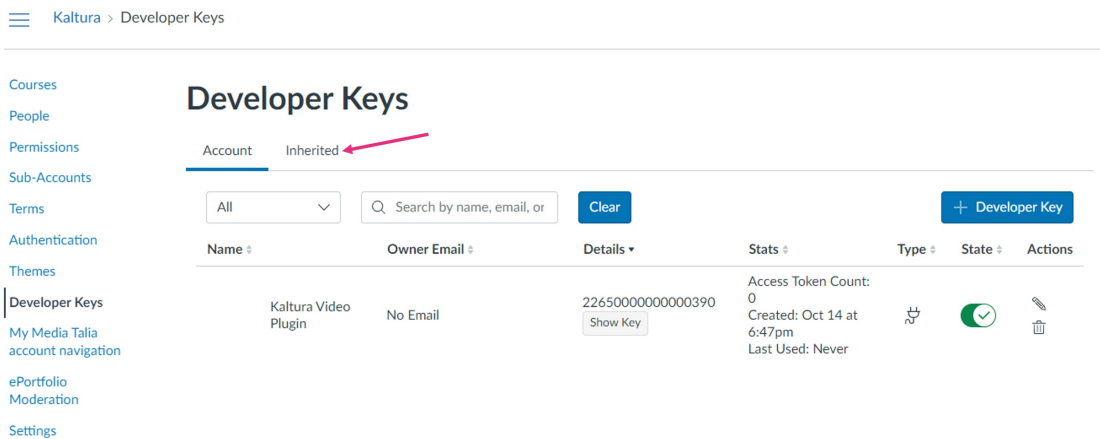
4. Set **ItiUserIdAttribute** to **custom_canvas_user_login_id**.
5. Scroll to the bottom of the Hosted module and click **Save**.

Step 10 - Set the API developer key

Option 1 - Inherited API Key

 If your KAF domain is on *.kaltura.com, you can use the existing inherited Kaltura key without creating a new API key. You may, however, prefer to use a Scoped API Developer Key. In that case, jump to **Option 2** below.

1. Log into Canvas as an administrator.
2. Navigate to the [Developer Keys page](#).
3. On the **Developer Keys** page, click the **Inherited** tab.



The screenshot shows the Kaltura Developer Keys interface. On the left is a navigation menu with items like Courses, People, Permissions, Sub-Accounts, Terms, Authentication, Themes, Developer Keys, My Media Talia account navigation, ePortfolio, Moderation, and Settings. The main content area is titled "Developer Keys" and has two tabs: "Account" and "Inherited", with a red arrow pointing to the "Inherited" tab. Below the tabs is a search bar with a dropdown set to "All", a search input field, and a "Clear" button. To the right is a "+ Developer Key" button. Below is a table with columns: Name, Owner Email, Details, Stats, Type, State, and Actions. One key is listed: "Kaltura Video Plugin" with "No Email" as the owner, a long ID "22650000000000390", and a "Show Key" button. The stats show "Access Token Count: 0", "Created: Oct 14 at 6:47pm", and "Last Used: Never". The State column shows a green checkmark icon.

4. Scroll down and click **Show All Keys**.

Developer Keys

Account Inherited

All

Name	Owner Email	Details	Stats	Type	State	Actions
Kaltura Video Plugin Trif 2	No Email	22650000000000390 <input type="button" value="Show Key"/>	Access Token Count: 0 Created: Oct 14 at 6:47pm Last Used: Never	2T	<input checked="" type="checkbox"/>	<input type="button" value="Edit"/> <input type="button" value="Delete"/>
Kaltura Video Plugin Trif	andrei.vladtrifan@kaltura.com	22650000000000389 <input type="button" value="Show Key"/>	Access Token Count: 0 Created: Oct 10 at 5:25pm Last Used: Never	2T	<input checked="" type="checkbox"/>	<input type="button" value="Edit"/> <input type="button" value="Delete"/>
Kaltura Support EDU	No Email	22650000000000388 <input type="button" value="Show Key"/>	Access Token Count: 0 Created: Oct 7 at 11:19pm Last Used: Never	2T	<input checked="" type="checkbox"/>	<input type="button" value="Edit"/> <input type="button" value="Delete"/>
Kaltura Scoped Key KN	khalil.natour@kaltura.com	22650000000000387 <input type="button" value="Show Key"/> URI: https://4288433-27.kaf.kaltura.com	Access Token Count: 9 Created: Sep 11 at 11:59am Last Used: 2024-09-23T13:28:21Z	2T	<input checked="" type="checkbox"/>	<input type="button" value="Edit"/> <input type="button" value="Delete"/>
Kaltura Video Plugin KN	khalil.natour@kaltura.com	22650000000000386 <input type="button" value="Show Key"/>	Access Token Count: 0 Created: Sep 11 at 11:46am	2T	<input checked="" type="checkbox"/>	<input type="button" value="Edit"/> <input type="button" value="Delete"/>

5. Scroll to the listing for the Kaltura key and click the toggle to enable it.



6. A confirmation message displays: *Are you sure you want to change the state of the developer key [name]?*

Turn On Developer Key x


Are you sure you want to change the state of the developer key [redacted]?

7. Click **Switch to On**. When the key is enabled, it turns green.



Go to [Step 12 - Add Kaltura tools](#).

Option 2 – Scoped API developer key

 If your KAF domain is not on *.kaltura.com, or you prefer added security, you'll need to create a Scoped API Developer Key.

1. Log into Canvas as an administrator.
2. Navigate to the [Developer Keys](#) page.
3. On the **Developer Keys** page, click on **+ Developer Key** and select **+ API Key** from the drop-down list.

☰ Kaltura > Developer Keys

- Courses
- People
- Permissions
- Sub-Accounts
- Terms
- Authentication
- Themes
- Developer Keys**
- My Media Talia account navigation
- ePortfolio Moderation
- Settings

Developer Keys

Account Inherited

All Q Search by name, email, or Clear

Name	Owner Email	Details	Stats	Type
Kaltura Video Plugin	No Email	226500000000 Show Key	Access Token Count: 0 Created: Oct 14 at 6:47pm Last Used: Never	+ Developer Key + API Key + LTI Key + LTI Registration
Kaltura Video Plugin		226500000000 Show Key	Access Token Count: 0 Created: Oct 10 at 5:25pm Last Used: Never	+ Developer Key + API Key + LTI Key + LTI Registration

The **Key Settings** page displays.

Key Settings

Key Name:

Owner Email:

Redirect URIs:

Redirect URI (Legacy):

Vendor Code (LTI 2):

Icon URL:

Notes:

Test Cluster Only

Client Credentials Audience ⓘ

4. Enter the following:
 - **Key Name** - 'Kaltura Scoped Key'
 - **Owner Email** - Optional
 - **Redirect URLs** - Enter your KAF URL starting with `https://` .Use your vanity domain if you have implemented one.
 - **Redirect URL (Legacy)** - Enter your KAF URL starting with `https://` .Use your vanity domain if you have implemented one (the value should be the same as used in the **Redirect URLs** field).
 - **Vendor Code (LTI 2)** - Leave blank.
 - **Icon URL** - Optional
 - **Notes** - Optional
 - **Test Cluster Only** - Leave unchecked.
 - **Client Credentials Audience** - Canvas should be selected.
5. Scroll to the top and click on **Enforce Scopes** to display all the available scopes.

Key Settings

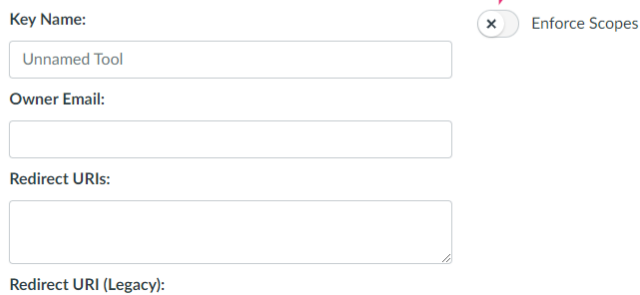
Key Name: ✕ Enforce Scopes

Unnamed Tool

Owner Email:

Redirect URIs:

Redirect URI (Legacy):



The Enforce Scopes section expands.

Enforce Scopes Search endpoints
 Allow Include Parameters ⓘ

<input type="checkbox"/> Read only get
<input type="checkbox"/> > Access Tokens
<input type="checkbox"/> > Account Calendars
<input type="checkbox"/> > Account Domain Lookups
<input type="checkbox"/> > Account Notifications
<input type="checkbox"/> > Account Reports
<input type="checkbox"/> > Accounts
<input type="checkbox"/> > Admins
<input type="checkbox"/> > Analytics
<input type="checkbox"/> > Announcement External Feeds
<input type="checkbox"/> > Announcements
<input type="checkbox"/> > API Token Scopes

Leave **Allow Include Parameters** unchecked

6. Scroll down to **Courses** and click to expand.

Enforce Scopes Search endpoints
 Allow Include Parameters ⓘ

<input type="checkbox"/> Read only get												
<input type="checkbox"/> > Course Audit log												
<input type="checkbox"/> > Course Pace												
<input type="checkbox"/> > Course Quiz Extensions												
<input checked="" type="checkbox"/> Courses <table border="1" style="width: 100%; margin-top: 5px;"> <tr> <td><input type="checkbox"/> url:GET /api/v1/courses</td> <td>GET</td> </tr> <tr> <td><input type="checkbox"/> url:PUT /api/v1/courses/:id</td> <td>PUT</td> </tr> <tr> <td><input type="checkbox"/> url:GET /api/v1/courses/:id</td> <td>GET</td> </tr> <tr> <td><input type="checkbox"/> url:DELETE /api/v1/courses/:id</td> <td>DELETE</td> </tr> <tr> <td><input type="checkbox"/> url:POST /api/v1/accounts/:account_id/courses</td> <td>POST</td> </tr> <tr> <td><input type="checkbox"/> url:GET /api/v1/courses/:course_id/students</td> <td>GET</td> </tr> </table>	<input type="checkbox"/> url:GET /api/v1/courses	GET	<input type="checkbox"/> url:PUT /api/v1/courses/:id	PUT	<input type="checkbox"/> url:GET /api/v1/courses/:id	GET	<input type="checkbox"/> url:DELETE /api/v1/courses/:id	DELETE	<input type="checkbox"/> url:POST /api/v1/accounts/:account_id/courses	POST	<input type="checkbox"/> url:GET /api/v1/courses/:course_id/students	GET
<input type="checkbox"/> url:GET /api/v1/courses	GET											
<input type="checkbox"/> url:PUT /api/v1/courses/:id	PUT											
<input type="checkbox"/> url:GET /api/v1/courses/:id	GET											
<input type="checkbox"/> url:DELETE /api/v1/courses/:id	DELETE											
<input type="checkbox"/> url:POST /api/v1/accounts/:account_id/courses	POST											
<input type="checkbox"/> url:GET /api/v1/courses/:course_id/students	GET											

7. Check the following scopes:

- url:GET|/api/v1/courses
- url:GET|/api/v1/courses/:id

Courses

url:GET|/api/v1/courses GET

url:PUT|/api/v1/courses/id PUT

url:GET|/api/v1/courses/id GET

- Click **Save**.
- Click the toggle to enable the key.



A confirmation message displays: *Are you sure you want to change the state of the developer key [name]?*

Turn On Developer Key



Are you sure you want to change the state of the developer key [redacted]?

Cancel

Switch to On

- Click **Switch to On**. When the key is enabled, it's green.



Step 11 - Set the API developer key in the Canvas module

The `Iti13ClientID` value in the Hosted module tells KAF which Canvas LTI developer key to connect to.

 Only complete this step if you used [Option 2 - Scoped API Developer Key](#) above.

- Log into your Configuration Management page (https://{your_KAF_base_URL}/admin).
- Navigate to the [Canvas module](#) (https://{your_KAF_base_URL}/admin/config/tab/canvas).
- In the **useScopedKey** field, set to 'Yes'.

useScopedKey	<input type="text" value="Yes"/>	Your key should cover the scopes below: url:GET//api/v1/courses url:GET//api/v1/courses/id
customAppId	<input type="text"/>	
customAppKey	<input type="text"/>	

This will expose the **customAppId** and **customAppKey** settings.

- Fill in the **customAppId** and the **customAppKey** fields using the **Key ID** and the **Key for the API Developer Key** you created in [Option 2](#) above. You can locate the keys as follows:
 - Navigate to the [Developer Keys](#) page and locate the Canvas API developer key you created.

Developer Keys

Account Inherited

All

Name	Owner Email	Details	Stats	Type	State	Actions
Kaltura Video Plugin	No Email	<p>Client ID 22650000000000390</p> <p><input type="button" value="Show Key"/></p>	<p>Access Token Count: 0</p> <p>Created: Oct 14 at 6:47pm</p> <p>Last Used: Never</p>		<input checked="" type="checkbox"/>	<input type="button" value="Edit"/> <input type="button" value="Delete"/>
		<p>Key e3MY3THc4rZ9QuvuPhH9NHyaKulH4AV2ZXENVy3RuYvFXFTHVwReULPBFhv9FDQ</p> <p><input type="button" value="Hide Key"/></p>				<input type="button" value="Close"/>

- Copy the Client ID and paste into the **customAppId** field in the Canvas module.
- Click **Show Key**, copy the key and paste it into the **customAppKey** field.

useScopedKey	<input type="text" value="Yes"/>	Your key should cover the scopes below: url:GET//api/v1/courses url:GET//api/v1/courses/id
customAppId	<input type="text" value="22650000000000390"/>	
customAppKey	<input type="text" value="RuYvFXFTHVwReULPBFhv9FDQ"/>	

- Scroll to the bottom of the Canvas module and click **Save**.

Step 12 - Add Kaltura tools

Once you've completed the previous steps, you can add the Kaltura external tools.

1. Log into Canvas as an administrator and navigate to the [Developer Keys](#) page.

☰ Kaltura > Developer Keys

Courses
People
Permissions
Sub-Accounts
Terms
Authentication
Themes
Developer Keys
My Media Talia account navigation
ePortfolio
Moderation
Settings

Developer Keys

Account Inherited

All

Name	Owner Email	Details	Stats	Type	State	Actions
Kaltura Video Plugin	No Email	22650000000000390 <input type="button" value="Show Key"/>	Access Token Count: 0 Created: Oct 14 at 6:47pm Last Used: Never	🔗	🟢	<input type="button" value="Edit"/> <input type="button" value="Delete"/>
Kaltura Video Plugin	andrei.vladtrifan@kaltura.com	22650000000000389 <input type="button" value="Show Key"/>	Access Token Count: 0 Created: Oct 10 at 5:25pm Last Used: Never	🔗	🟢	<input type="button" value="Edit"/> <input type="button" value="Delete"/>
Kaltura Support	No Email	22650000000000388 <input type="button" value="Show Key"/>	Access Token Count: 0 Created: Oct 7 at 11:19pm Last Used: Never	🔗	🟢	<input type="button" value="Edit"/> <input type="button" value="Delete"/>

2. On the **Developer Keys** page, locate the LTI developer key you created and copy the **Client ID** from the **Details** column.

Developer Keys

Account Inherited

All

Name	Owner Email	Details	Stats	Type	State	Actions
Kaltura Video Plugin	No Email	22650000000000390 <input type="button" value="Show Key"/>	Access Token Count: 0 Created: Oct 14 at 6:47pm Last Used: Never	🔗	🟢	<input type="button" value="Edit"/> <input type="button" value="Delete"/>

3. In the left-hand navigation, click the **Settings** tab (https://{your_Canvas_base_URL}/accounts/1/settings#tab-settings).

Courses
People
Permissions
Sub-Accounts
Terms
Authentication
Themes
Developer Keys
My Media Talia account navigation
ePortfolio Moderation
Settings

Settings Integrations Notifications Admins Announcements Apps

Account Settings

Account Name:

Default Language:

This will override any browser/OS language settings. Preferred languages can still be set at the course/user level.

Default Due Time:

This influences the user interface for setting due dates. It does not change the time due for any existing assignments.

Default Time Zone:

Maintenance windows: 1st and 3rd Thursday of the month from 3:05am to 5:05am (Thursday from 8:05am to 10:05am UTC)
Next window: Thu Nov 7, 2024 from 3:05am to 5:05am
For maintenance window details please see the [release notes](#).

Allow Self-Enrollment:

Trusted HTTP Referers:

This is a comma separated list of URLs to trust. Trusting any URLs in this list will bypass the CSRF token when logging in to Canvas.

Default View for Dashboard:

Overwrite all users' existing default dashboard preferences

The Settings page displays.

4. On the Settings page, click the **Apps** tab.

Settings Integrations Notifications Admins Announcements **Apps**





External Apps

[Manage App List](#) [View App Configurations](#)

Apps are an easy way to add new features to Canvas. They can be added to individual courses, or to all courses in an account. Once configured, you can link to them through course modules and create assignments for assessment tools.

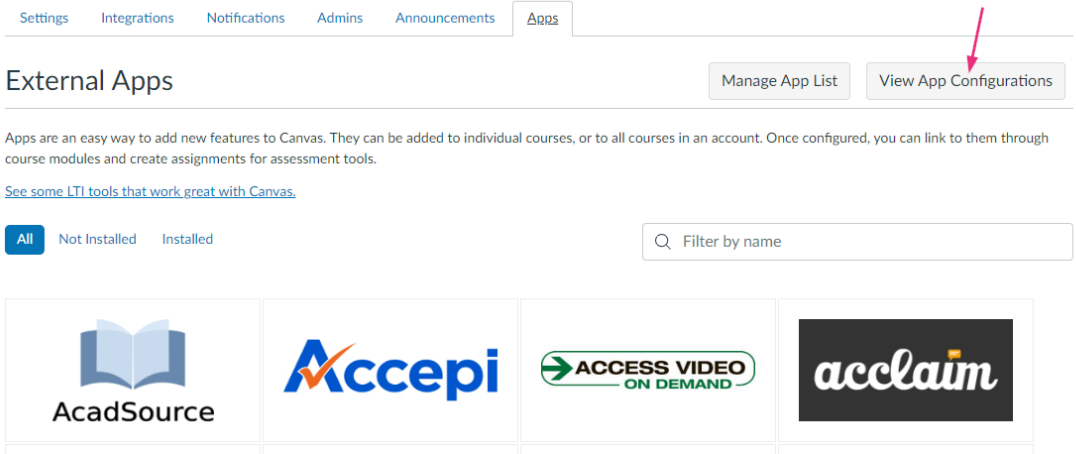
[See some LTI tools that work great with Canvas.](#)

All Not Installed Installed

 AcadSource			
---	---	---	---

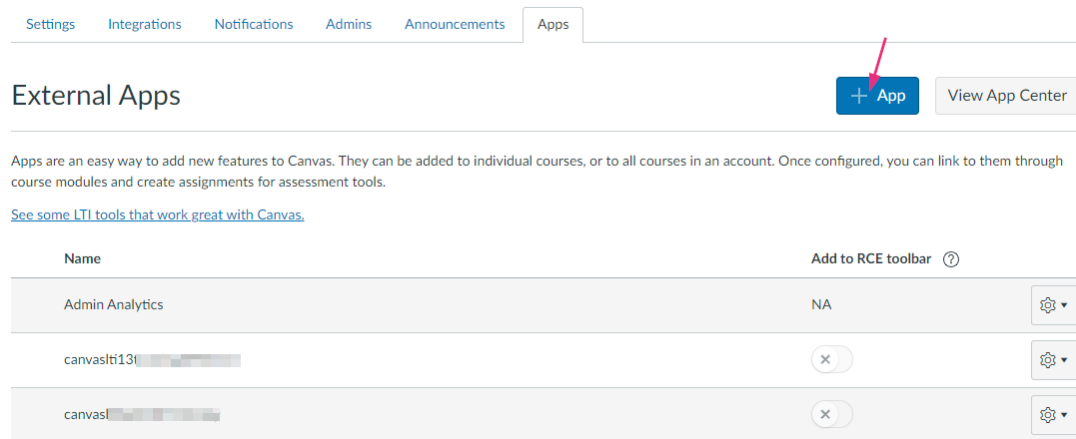
The External Apps page displays.

5. Click **View App Configurations**.



A list of apps displays.

6. Click **+App**.



The **Add App** page displays.

Add App



Configuration Type
Manual Entry

Name

Consumer Key Shared Secret

Allow this tool to access the IMS Names and Role Provisioning Service

Launch URL

Domain Privacy Level
Anonymous

Custom Fields
One per line. Format: name=value

Description

7. Click on the **Configuration Type** drop-down menu and select **By Client ID**.

Add App



Configuration Type
Manual Entry

- Manual Entry
- By URL
- Paste XML
- By Client ID**
- By LTI 2 Registration URL

Allow this tool to access the IMS Names and Role Provisioning Service

Launch URL

8. Paste the Client ID copied in [Step 4 - Create LTI developer key](#) into the **Client ID** field.

Add App ✕

Configuration Type

By Client ID

Client ID

2265000000000390

To obtain a client ID, an account admin will need to generate an LTI developer key.

Cancel

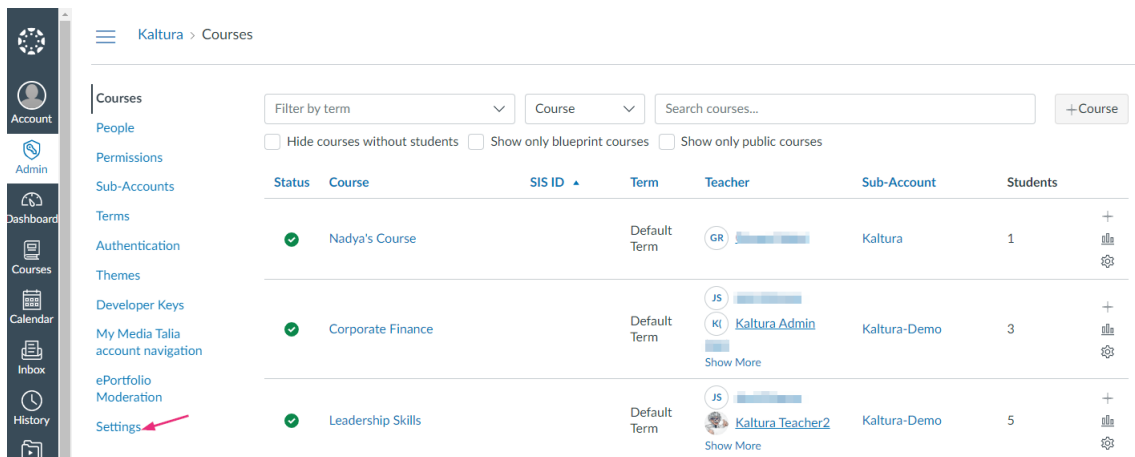
Submit

9. Click **Submit**.

After the upgrade - Remove LTI 1.1 tools

Once you've upgraded to LTI 1.3 and have tested the Kaltura LMS Integration, remove the old LTI 1.1 tools.

1. Log into Canvas as an administrator.
2. On the **Admin** tab in the navigation menu, select the account level where the Kaltura External Learning tools - LTI 1.1 are installed.
3. In the left-hand navigation, click the **Settings** tab.



Kaltura > Courses

Courses

Filter by term Course Search courses...

Hide courses without students Show only blueprint courses Show only public courses

Status	Course	SIS ID	Term	Teacher	Sub-Account	Students
✓	Nadya's Course		Default Term	GR	Kaltura	1
✓	Corporate Finance		Default Term	JS KI Kaltura Admin Show More	Kaltura-Demo	3
✓	Leadership Skills		Default Term	JS Kaltura Teacher2 Show More	Kaltura-Demo	5

4. The **Settings** page displays.

[Courses](#) | [People](#) | [Permissions](#) | [Sub-Accounts](#) | [Terms](#) | [Authentication](#) | [Themes](#) | [Developer Keys](#) | [My Media Talia account navigation](#) | [ePortfolio Moderation](#) | **Settings**

[Settings](#) | [Integrations](#) | [Notifications](#) | [Admins](#) | [Announcements](#) | [Apps](#)

Account Settings

Account Name:

Default Language:

This will override any browser/OS language settings. Preferred languages can still be set at the course/user level.

Default Due Time:

This influences the user interface for setting due dates. It does not change the time due for any existing assignments.

Default Time Zone:

Maintenance windows: 1st and 3rd Thursday of the month from 3:05am to 5:05am (Thursday from 8:05am to 10:05am UTC)
Next window: Thu Nov 7, 2024 from 3:05am to 5:05am
For maintenance window details please see the [release notes](#).

Allow Self-Enrollment:

Trusted HTTP Referers:

This is a comma separated list of URLs to trust. Trusting any URL's in this list will bypass the CSRF token when logging in to Canvas.

Default View for Dashboard:

Overwrite all users' existing default dashboard preferences





5. Click the **Apps** tab.

[Settings](#) | [Integrations](#) | [Notifications](#) | [Admins](#) | [Announcements](#) | **Apps**


External Apps [Manage App List](#) [View App Configurations](#)

Apps are an easy way to add new features to Canvas. They can be added to individual courses, or to all courses in an account. Once configured, you can link to them through course modules and create assignments for assessment tools.

[See some LTI tools that work great with Canvas.](#)

 AcadSource			
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On the **External Apps** page, you'll see a list of the Kaltura External apps that have been implemented.

 Your list may look different based on the external learning tools implemented at your institution and the name used when the tool was implemented.

6. On the **External Apps** page, click **View App Configurations**.


Settings Integrations Notifications Admins Announcements **Apps**

External Apps Manage App List View App Configurations


Apps are an easy way to add new features to Canvas. They can be added to individual courses, or to all courses in an account. Once configured, you can link to them through course modules and create assignments for assessment tools.

[See some LTI tools that work great with Canvas.](#)


All Not Installed Installed




AcadSource



Accepi



ACCESS VIDEO
ON DEMAND



acclaim

The list of apps displays.

Settings Integrations Notifications Admins Announcements **Apps**

External Apps + App View App Center

Apps are an easy way to add new features to Canvas. They can be added to individual courses, or to all courses in an account. Once configured, you can link to them through course modules and create assignments for assessment tools.

[See some LTI tools that work great with Canvas.](#)

Name	Add to RCE toolbar ?	
Admin Analytics	NA	
canvas [redacted]	<input type="checkbox"/>	
canvas [redacted]	<input type="checkbox"/>	

- Find the Kaltura LTI 1.1 apps, click the gear icon next to each app, and select Delete.
- Confirm the deletion in the pop-up message. The app and its placement will be removed.

Canvas LTI tool placements

Instructure provides multiple placements for external tools in Canvas. The recommended Kaltura placements align with those used in earlier LTI versions. Note that placement limitations may apply depending on where the Kaltura tools are added within the Canvas account structure (account, sub-account, course). See [Step 12 - Add Kaltura tools](#).

Below is an example of **My Media** and **Media Gallery** in a Canvas navigation menu.

- Home
- Announcements
- Assignments
- Discussions
- Grades
- People
- Pages
- Files
- Syllabus
- Outcomes
- Rubrics
- Quizzes
- Modules
- BigBlueButton
- Collaborations
- New Analytics
- Media Gallery
- My Media**

My Media



📅 My Calendar

🏠 My Dashboard

🗑️ My recycle bin

🔍 Search My Media



Filters >



Add New ▾

ACTIONS ▾

Search In: All Fields ▾ Sort By: Creation Date - Descending ▾



Wishes - A Public Service Announcement



Private

Owner • on November 19, 2024



My stitched video - Quiz



My stitched video

Published

stitch