

Installing JB Learning's LTI Advantage in Canvas

This document provides steps for configuring and enabling JB Learning's LTI 1.3 within your integrated Canvas Learning Management System (LMS). **Note**, installation requires System Administrator permissions and JB Learning's LTI Advantage email.

Summary of Steps

- Create a system-level Developer Key.
- Complete the integration using your Pass Key and URLs provided in the JB Learning email.
- Add JB Learning's External App to your site/courses as desired.

1. Installing the application requires System Administrator permissions to create Developer Keys. Log in as an Administrator and browse to **Admin -> Developer Keys**. Then click on the **+ Developer Key** button in the upper-right corner and select **LTI Key**.

Name	Owner Email	Details	Stats	Type
PROD-CS-LTI-1.3_Tool mini	No Email	171730000000000290 Show Key	Access Token Count: 0 Created: Sep 14 at 12:38pm Last Used: Never	🔑
diwakar_local_key	No Email	171730000000000289 Show Key	Access Token Count: 0 Created: Sep 14 at 2:37am Last Used: Never	🔑
reni_cs_stg_key	No Email	171730000000000288 Show Key	Access Token Count: 0 Created: Sep 13 at 5:26am Last Used: Never	🔑
ManasaLTI_1.3_NASM	No Email	171730000000000287 Show Key	Access Token Count: 0 Created: Sep 5 at 9:11am Last Used: Never	🔑
reni_nasm_qa_key	No Email	171730000000000286 Show Key	Access Token Count: 0 Created: Sep 4 at 7:15am Last Used: Never	🔑
reni_local_key	No Email	171730000000000285 Show Key	Access Token Count: 0 Created: Sep 1 at 9:09am Last Used: Never	🔑
Farhan Local Key	No Email	171730000000000284 Show Key	Access Token Count: 0 Created: Aug 12 at 1:55am Last Used: Never	🔑

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- On the following page, enter “JBL Integration” in the **Key Name** field provided (this name is a recommendation). Next, under the Configure section, use the **Method** dropdown menu to select **Enter URL**. Copy and paste the “Canvas configuration URL” that was provided in the JB Learning email in the **JSON URL** field and click **Save**.

Key Settings

Key Name:
JBL Integration

Owner Email:
[Empty field]

Redirect URIs:
[Empty field]

Notes:
[Empty field]

Configure

Method
Enter URL

JSON URL
https://qa-lti.jblearning.com/lti_1_3/230ce0e3-d31f-4928-a253-bd2e1119f8e8/platform_config.json

Cancel Save

- On the Canvas Developer Keys page, toggle **On** the JBL Integration Key by flipping the corresponding button to its right under the **State** column. Then click on the **pencil icon** under the key’s **Actions** column.

Account		Inherited						+ Developer Key
Name	Owner Email	Details	Stats	Type	State	Actions		
JBL Integration	No Email	17173000000000291 Show Key	Access Token Count: 0 Created: Sep 20 at 10:31am Last Used: Never		On	[Pencil icon]		

4. On the Key Settings page, change the Configure **Method** drop-down menu to **Manual Entry**. Several of the remaining fields will be auto filled by the previous JSON URL entry will now display. In the **Redirect URIs** section on the left, please add the following entry, ensuring there are three entries in the Redirect URIs box:

- https://lti.jblearning.com/lti_1_3/launch
- https://lti.jblearning.com/lti_1_3/deep_link
- https://lti.jblearning.com/lti_1_3/oauth2response

Then, click **Save** at the bottom of the page.



Key Settings

Key Name: JBL Integration

Owner Email:

Configure

Method: Manual Entry

Required Values

* Redirect URIs:
https://lti.jblearning.com/lti_1_3/launch
https://lti.jblearning.com/lti_1_3/deep_link
https://lti.jblearning.com/lti_1_3/oauth2response

Notes:

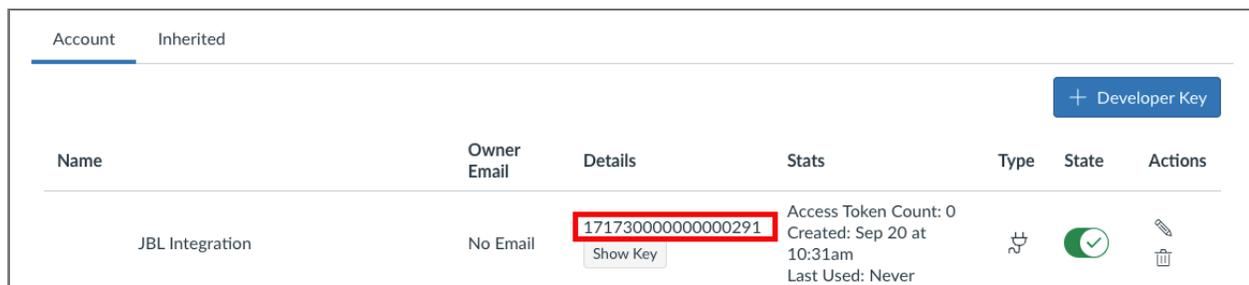
* Title: JBLearning Courses

* Description: JBLearning Courses

* Target Link URI: https://qa-lti.jblearning.com/lti_1_3/launch

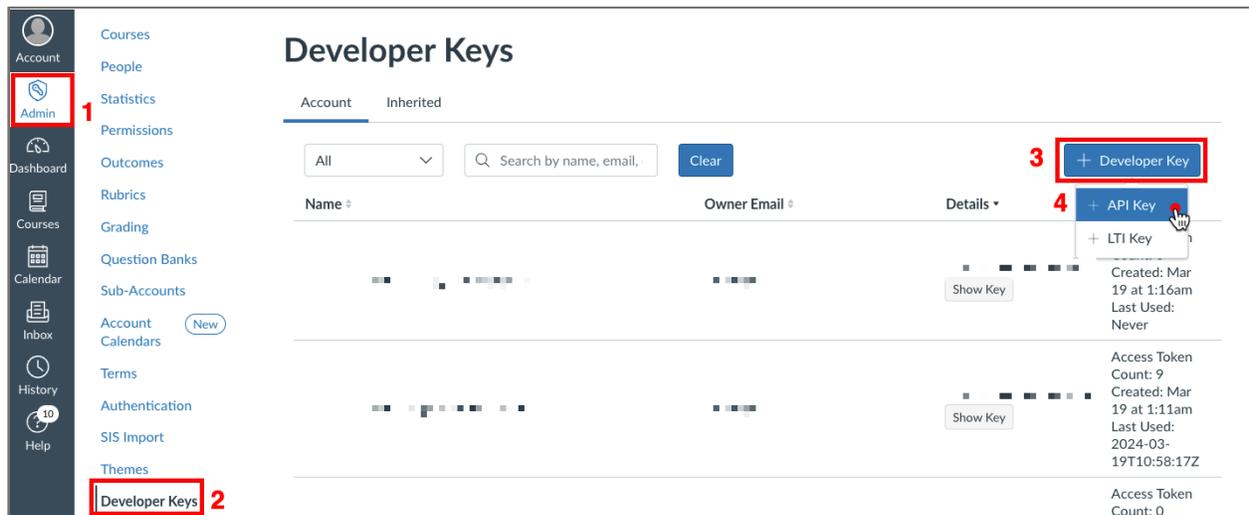
* OpenID Connect Initiation Url: https://qa-lti.jblearning.com/lti_1_3/authorize

5. Highlight and **copy** your ClientID, which is the 18-digit number shown under the **Details** column. It will be added to JB Learning’s admin system in a later step.



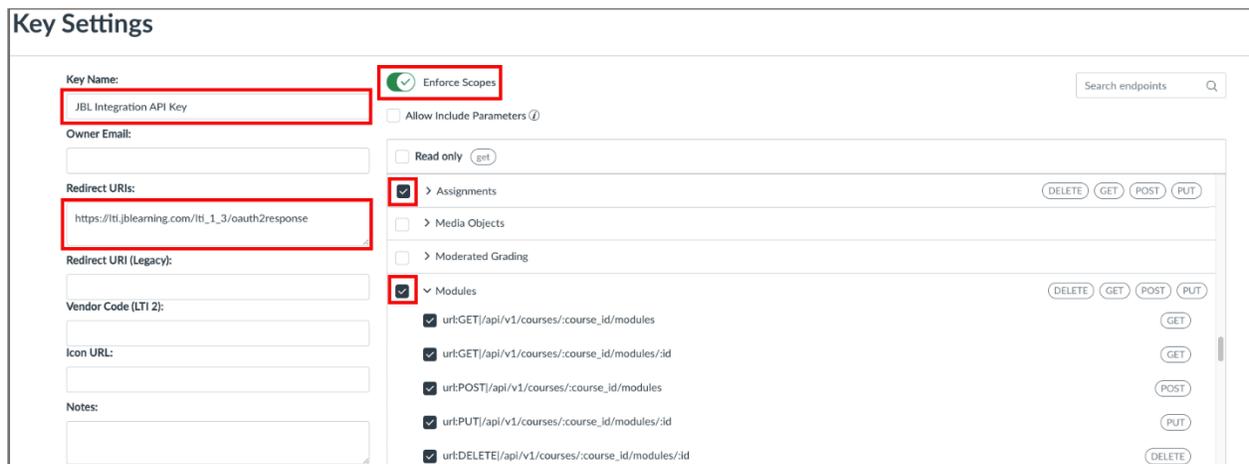
Name	Owner Email	Details	Stats	Type	State	Actions
JBL Integration	No Email	17173000000000291 Show Key	Access Token Count: 0 Created: Sep 20 at 10:31am Last Used: Never	🔑	🟢	🔗 🗑️

- Next, select the **+ Developer Key** button in the upper-right corner again. This time, choose **+API Key** option from the menu.



- In the following page, please enter the following values in the associated fields:
 - Key Name:** JBL Integration API Key
 - Redirect URIs:** https://lti.jblearning.com/lti_1_3/oauth2response
 - Enforce Scopes:** Toggle on and do NOT select Read only. Check the boxes next to the **“Assignments”** and **“Modules”** scope.

Click **Save** at the bottom.



- Toggle the State to enabled. Copy the newly created **API key** from the details column. This is the **API ClientID** that will be used in later steps (this is different than LTI ClientID).

Developer Keys

Account **Inherited**

All Clear [+ Developer Key](#)

Name	Owner Email	Details	Stats
JBL Integration API Key	No Email	<div style="border: 2px solid red; padding: 2px;">17173000000000341</div> Show Key	Access Token Count: 0 Created: Mar 19 at 12:59pm Last Used: Never

- Click **Show Key** and copy the value. This is the **API secret** that will be used in a later step.

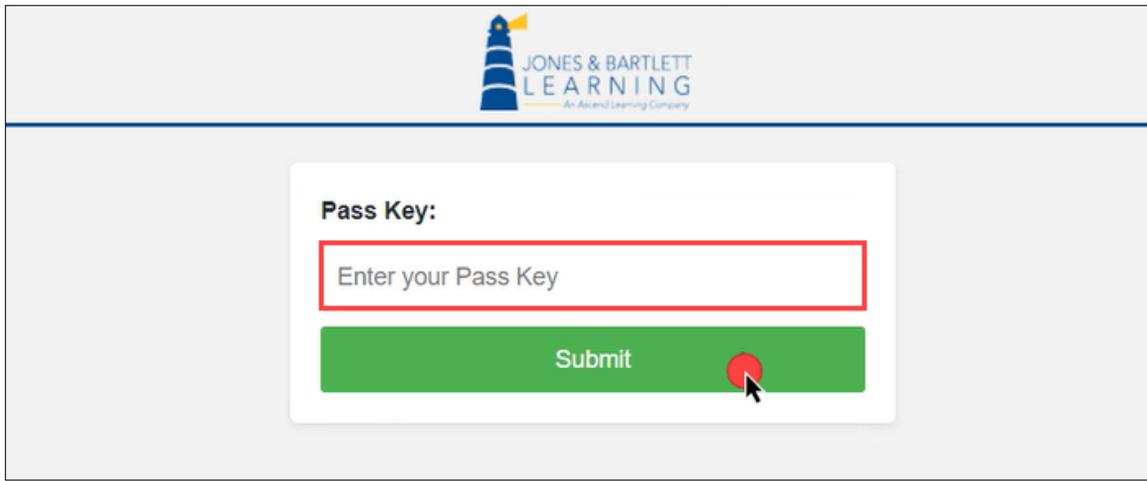
Developer Keys

Account **Inherited**

All Clear [+ Developer Key](#)

Name	Owner Email	Details	Stats
JBL Integration API Key	No Email	<div style="border: 2px solid red; padding: 2px;">uzHU10zPfvT7HbZj46Mc2qrs9g9HUwAwCpiz0sHHMgAPRLfNoFYtF7klRKcZ63WZ</div> Hide Key	17173000000000341 19 at 12:59pm Last Used: Never

10. In another web browser tab or window, open the Self-Service Page linked within the JB Learning email you received. Then enter the **Pass Key** in the field provided and click **Submit**.



The screenshot shows the top of a web page with the Jones & Bartlett Learning logo at the top center. Below the logo is a white form box. Inside the form box, the text "Pass Key:" is displayed above a red-bordered input field containing the placeholder text "Enter your Pass Key". Below the input field is a green button with the text "Submit" and a red mouse cursor icon pointing to it.

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11. Submitting the Pass Key opens JB Learning's **Edit Platform** page. **Copy and Paste** the ClientID into the **Client Id** field provided here. Remaining fields should be completed as follows:

- **Base URL:** your institution-specific Canvas URL.
- **Login Authorization Endpoint:**
https://canvas.instructure.com/api/lti/authorize_redirect
- **JWKS Endpoint:** [must be left blank/empty]
- **Access Token Endpoint:** <https://canvas.instructure.com/login/oauth2/token>
- **Canvas Base URI:** your institution-specific Canvas URL
- **Canvas API ClientID:** Canvas API key
- **Canvas API Client Secret:** Canvas API secret

After entering the above values, click **Save**.

JONES & BARTLETT LEARNING Logout

Edit Platform

Name
Canvas

Client Id
1234

Base URI
<https://jblearning.instructure.com>

Login Authorization Endpoint
https://canvas.instructure.com/api/lti/authorize_redirect

JWKS Endpoint
Leave blank

Access Token Endpoint
<https://canvas.instructure.com/login/oauth2/token>

Canvas Api Base Url
<https://jblearning.instructure.com>

Canvas Api Client Id
123456789123456789

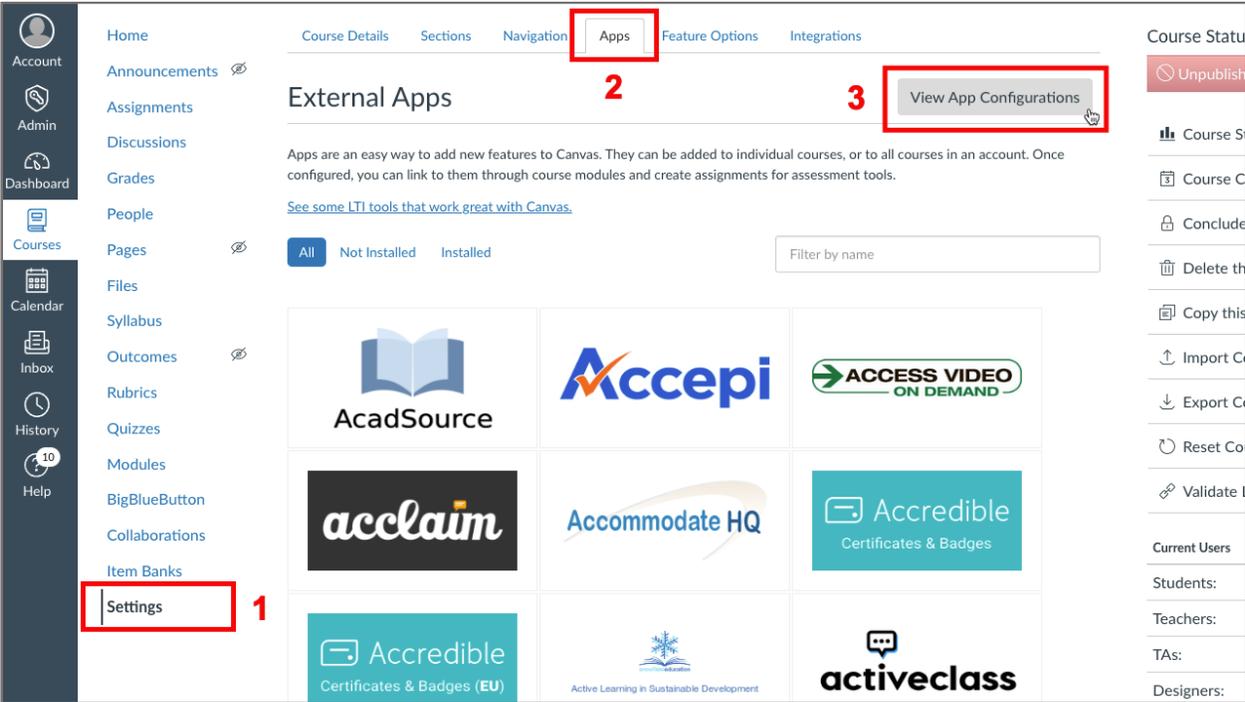
Canvas Api Client Secret
afllkvwjerloikjaovjoi324lkvcjo2i3j5r250jvlkmc4f29nmwflncl2n521234

Save

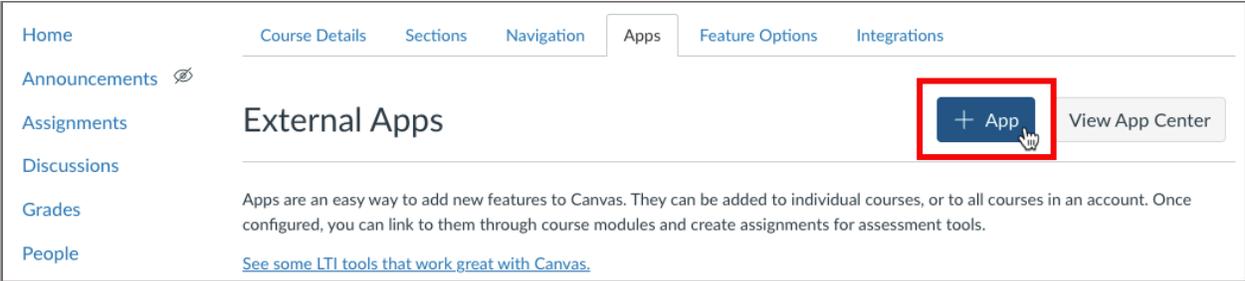
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12. After clicking **Save**, a message of “Platform was successfully updated.” displays at the top of the screen, and you may close the window.

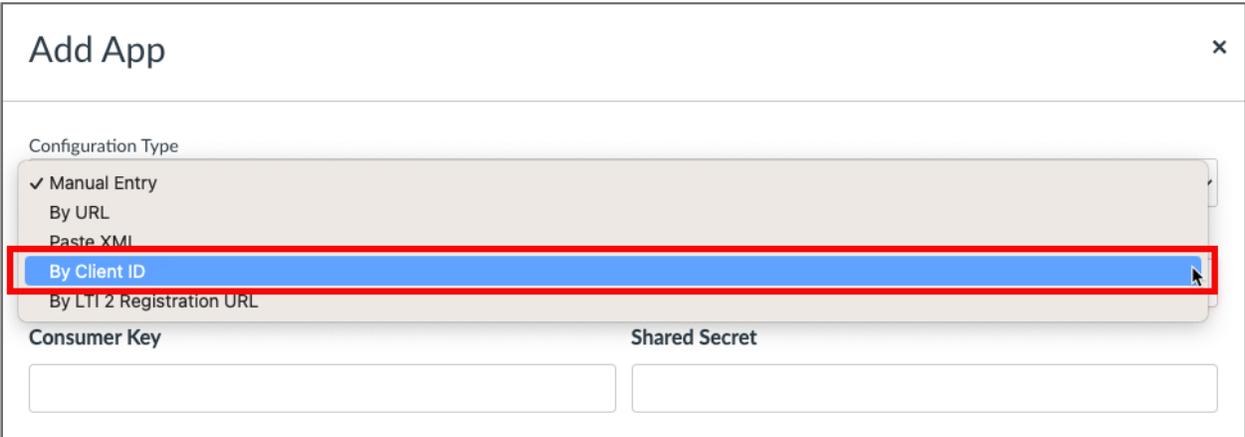
13. The ClientID is used to add the LTI App to the applicable Canvas course. Depending on your preferences, the External App may be added to an individual course or globally at the system level. To add the App, navigate to course-level or Admin-level **Settings**. Then select the **Apps** tab at the top of the page and click the **View App Configuration** button towards the top-right corner.



14. On the **External Apps** page that opens, click on the **+App** button.



15. Upon completing the prior step, a pop-up screen will show up. From the Configuration Type drop-down menu option, please select the **By Client ID** option. Insert your **ClientID** in the resulting space and click on Submit.



Add App [x]

Configuration Type

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

Consumer Key [] Shared Secret []



Add App [x]

Configuration Type

By Client ID

Client ID

17173000000000291 [?]

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

Cancel Submit