

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 or Sub Account-level LTI Developer Key and API Developer Key.
- Complete the integration using your Pass Key and URLs provided in the email.
- Add JB Learning's External App to your site/courses as needed.

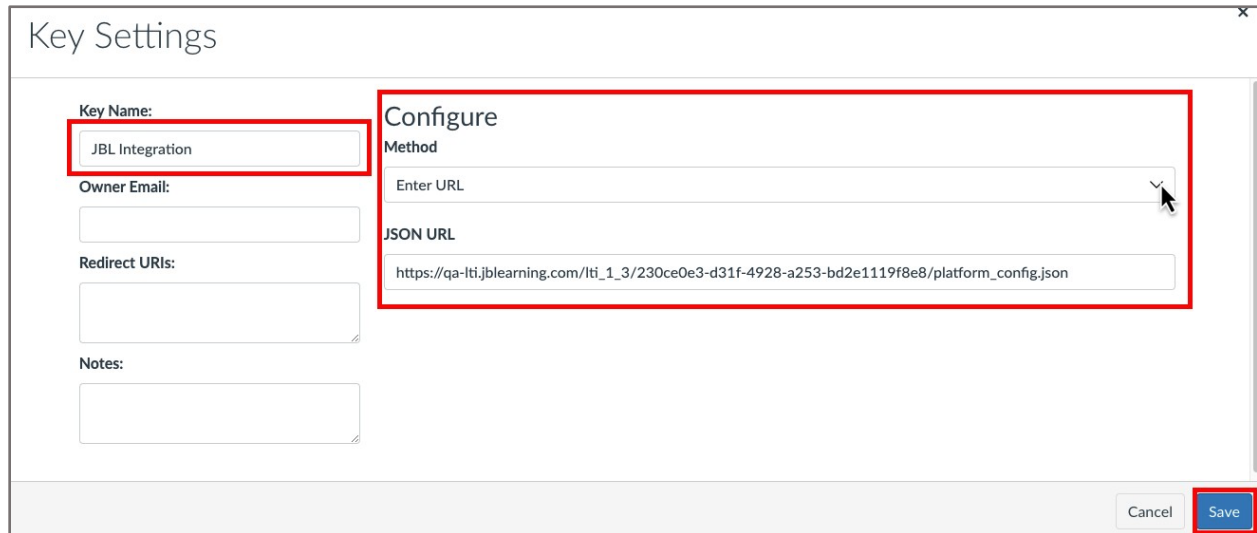
1. Installing the application requires System Administrator permissions to create Developer Keys. Log in as an Administrator and browse to **Admin -> Developer Keys**. Then click on the **+ Developer Key** button in the upper-right corner and select **LTI Key**.

Name	Owner Email	Details	Stats	Type
PROD-CS-LTI-1.3_Tool mini	No Email	17173000000000290 Show Key	Access Token Count: 0 Created: Sep 14 at 12:38pm Last Used: Never	API Key
diwakar_local_key	No Email	17173000000000289 Show Key	Access Token Count: 0 Created: Sep 14 at 2:37am Last Used: Never	LTI Key
reni_cs_stg_key	No Email	17173000000000288 Show Key	Access Token Count: 0 Created: Sep 13 at 5:26am Last Used: Never	LTI Key
ManasaLTI_1.3_NASM	No Email	17173000000000287 Show Key	Access Token Count: 0 Created: Sep 5 at 9:11am Last Used: Never	LTI Key
reni_nasm_qa_key	No Email	17173000000000286 Show Key	Access Token Count: 0 Created: Sep 4 at 7:15am Last Used: Never	LTI Key
reni_local_key	No Email	17173000000000285 Show Key	Access Token Count: 0 Created: Sep 1 at 9:09am Last Used: Never	LTI Key
Farhan Local Key	No Email	17173000000000284 Show Key	Access Token Count: 0 Created: Aug 12 at 1:55am Last Used: Never	LTI Key

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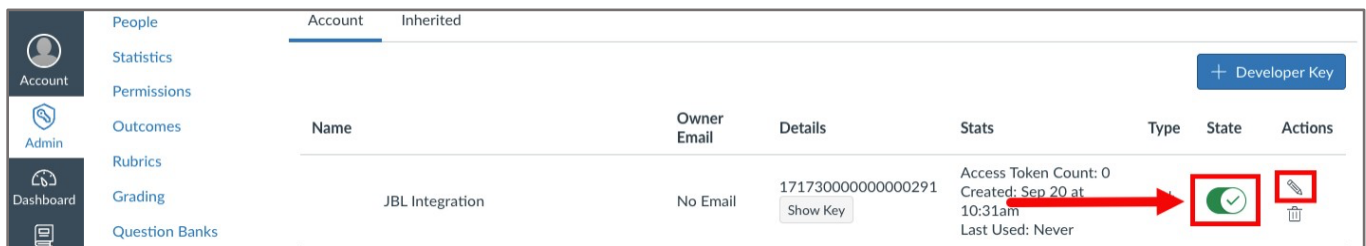


2. On the following page, enter “JBL Integration” in the **Key Name** field provided (this name is a recommendation). Next, under the Configure section, use the **Method** dropdown menu to select **Enter URL**. Copy and paste the “Canvas configuration URL” that was provided in the JB Learning email in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



The image shows a 'Key Settings' form. On the left, there are fields for 'Key Name' (containing 'JBL Integration'), 'Owner Email', 'Redirect URIs', and 'Notes'. On the right, under the 'Configure' section, there is a 'Method' dropdown menu with 'Enter URL' selected, and a 'JSON URL' field containing a long URL. A red box highlights the 'Key Name' field and the 'Configure' section. At the bottom right, there are 'Cancel' and 'Save' buttons, with the 'Save' button highlighted by a red box.

3. 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.



The image shows the 'Canvas Developer Keys' page. On the left is a sidebar with navigation links: Account, Admin, and Dashboard. The main content area has tabs for 'Account' and 'Inherited'. Below the tabs is a table with columns: Name, Owner Email, Details, Stats, Type, State, and Actions. The table contains one row for 'JBL Integration'. The 'State' column for this row has a green checkmark icon, which is highlighted by a red box. A red arrow points from the 'Stats' column to this box. The 'Actions' column for this row has a pencil icon, also highlighted by a red box.

Name	Owner Email	Details	Stats	Type	State	Actions
JBL Integration	No Email	171730000000000291 Show Key	Access Token Count: 0 Created: Sep 20 at 10:31am Last Used: Never			

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

Key Settings

Key Name:

Owner Email:

Redirect URIs: *

https://lti.jblearning.com/lti_1_3/authorize

https://lti.jblearning.com/lti_1_3/deep_link

https://lti.jblearning.com/lti_1_3/launch

Redirect URIs must match exactly, including casing, protocol, host, port, path, and query string. Up to 64 redirect URIs are allowed per developer key.

Notes:

Configure

Method

Manual Entry

Required Values

Title *

Description *

Target Link URI *

OpenID Connect Initiation Uri *

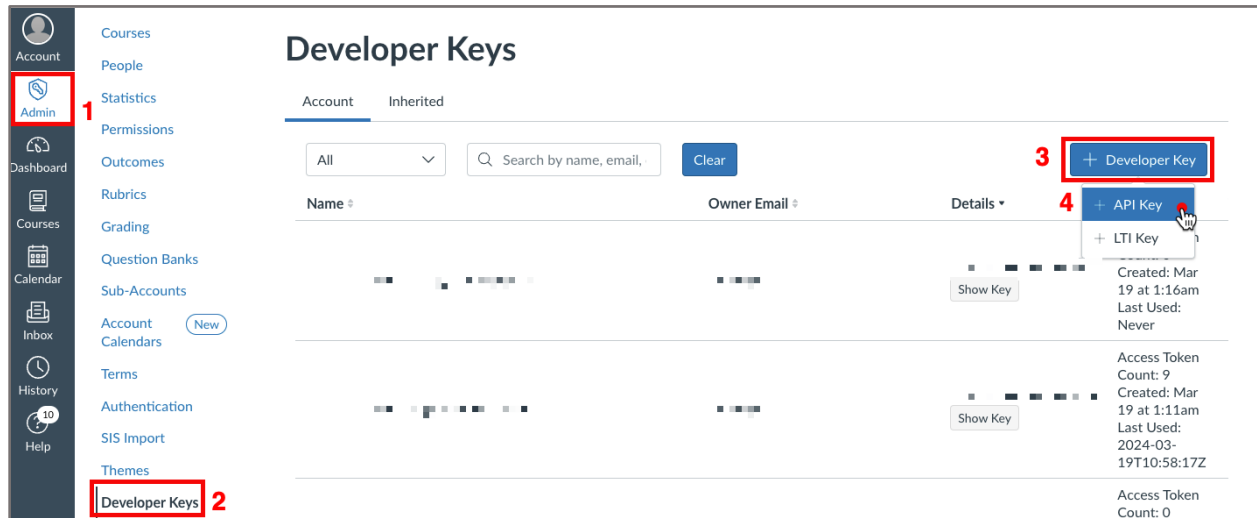
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The logo for Jones & Bartlett Learning, featuring a stylized blue lighthouse icon to the left of the company name in a blue, sans-serif font.

The logo for Public Safety Group, featuring a blue stylized star or cross icon to the left of the company name. Below the name, it says "A JONES & BARTLETT LEARNING BRAND" in a smaller font.

The logo for CDX, featuring the letters "CDX" in a bold, black, sans-serif font, with a stylized red and black graphic element to the right.

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



8. In the following page, please enter the following values in the associated fields:
- a. **Key Name:** JBL Integration API Key
 - b. **Redirect URIs:** https://lti.jblearning.com/lti_1_3/oauth2response
 - c. **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.

Key Settings

Key Name:
JBL Integration API Key

☒ Enforce Scopes

☐ Allow Include Parameters ⓘ

Owner Email:

☐ Read only get

☒ > Assignments

☐ > Media Objects

☐ > Moderated Grading

☒ > Modules

☒ url:GET/api/v1/courses/:course_id/modules

☒ url:GET/api/v1/courses/:course_id/modules/:id

☒ url:POST/api/v1/courses/:course_id/modules

☒ url:PUT/api/v1/courses/:course_id/modules/:id

☒ url:DELETE/api/v1/courses/:course_id/modules/:id

Redirect URIs:
https://lti.jblearning.com/lti_1_3/oauth2response

Redirect URI (Legacy):

Vendor Code (LTI 2):

Icon URL:

Notes:

DELETE GET POST PUT

DELETE GET POST PUT

DELETE GET PUT DELETE

- Toggle the **State** of this Key to enable, then copy/record the newly created **API key** under the Details column. This is the **API Client ID** that is required in Step 12 (this is different than the LTI Client ID, you'll need both!).

Developer Keys

Account
Inherited

All
integration
Clear
+ Developer Key

Name	Owner Email	Details	Stats	Type	State	Actions
JBL Integration API Key	No Email	8142000000000235 Show Key	Access Token Count: 1 Created: Feb 24 at 11:40am Last Used: 2024-04-08T13:20:33Z		☒	

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10. Click **Show Key** and copy/record the value that is revealed. This **API Key** is also needed to complete Step 12 in addition to the API's Client ID from Step 9.

Developer Keys

Account Inherited

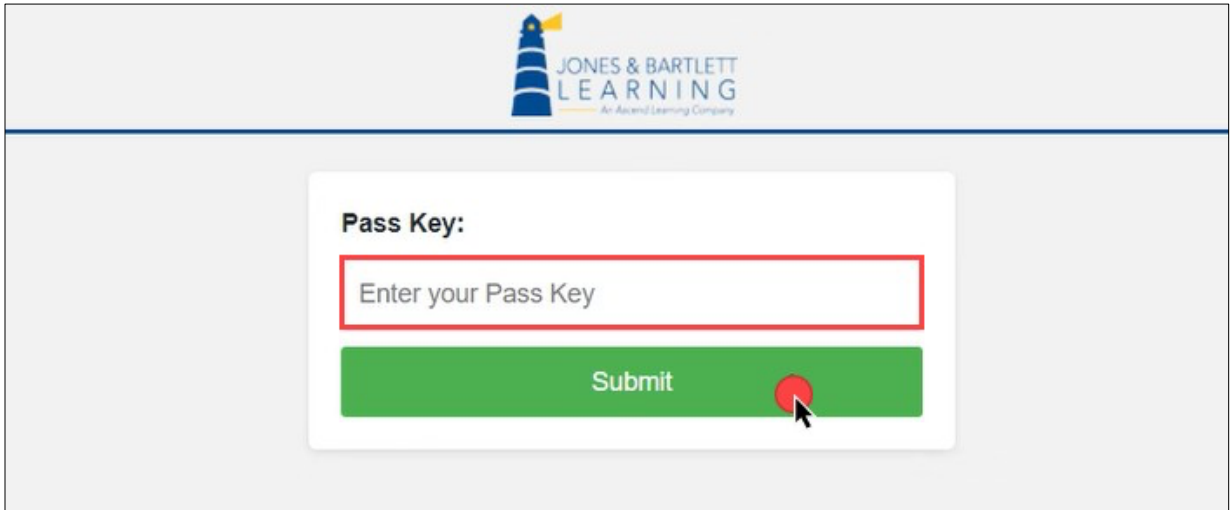
All Search by name, email, Clear + Developer Key

Name	Owner Email	Details	Stats
JBL Integration API Key	No Email	uzHU10zPfVt7HbZj46Mc2qrs9g9HUwAwCpiz0sHHMgAPRLfNoFYtF7kIRKcZ63WZ Hide Key	19 at 12:59pm Last Used: Never

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11. 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 Jones & Bartlett Learning logo at the top. Below it is a white box containing the text "Pass Key:" followed by a red-outlined input field with the placeholder text "Enter your Pass Key". Below the input field is a green "Submit" button. A red circle with a mouse cursor is positioned over the "Submit" button.

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

- **Base URI:** [Your Canvas URL/domain]
- **Login Authorization Endpoint:**
https://canvas.instructure.com/api/lti/authorize_redirect
- **JWKS Endpoint:** [this field must be intentionally left blank/empty]
- **Access Token Endpoint:** <https://sso.canvaslms.com/login/oauth2/token>
- **Canvas Base URL:** [Your Canvas URL/domain]
- **Canvas API Client Id:** [Your Canvas API Client ID (copied in Step 9)]
- **Canvas API Client Key:** [Your Canvas API Key (copied in Step 10)]

Then, click **Save** at the bottom of the page to submit the above information.

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: affkvjerloikjaioivjoij324lkvcjo2i3j5r250jvlkmc4f29nmwvlncl2n521234

Save

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

14. In Canvas, you will need to make sure the App is unlocked. Click on **Apps**, go to the **Manage** section, and select the **JBL Integration App** you previously created.

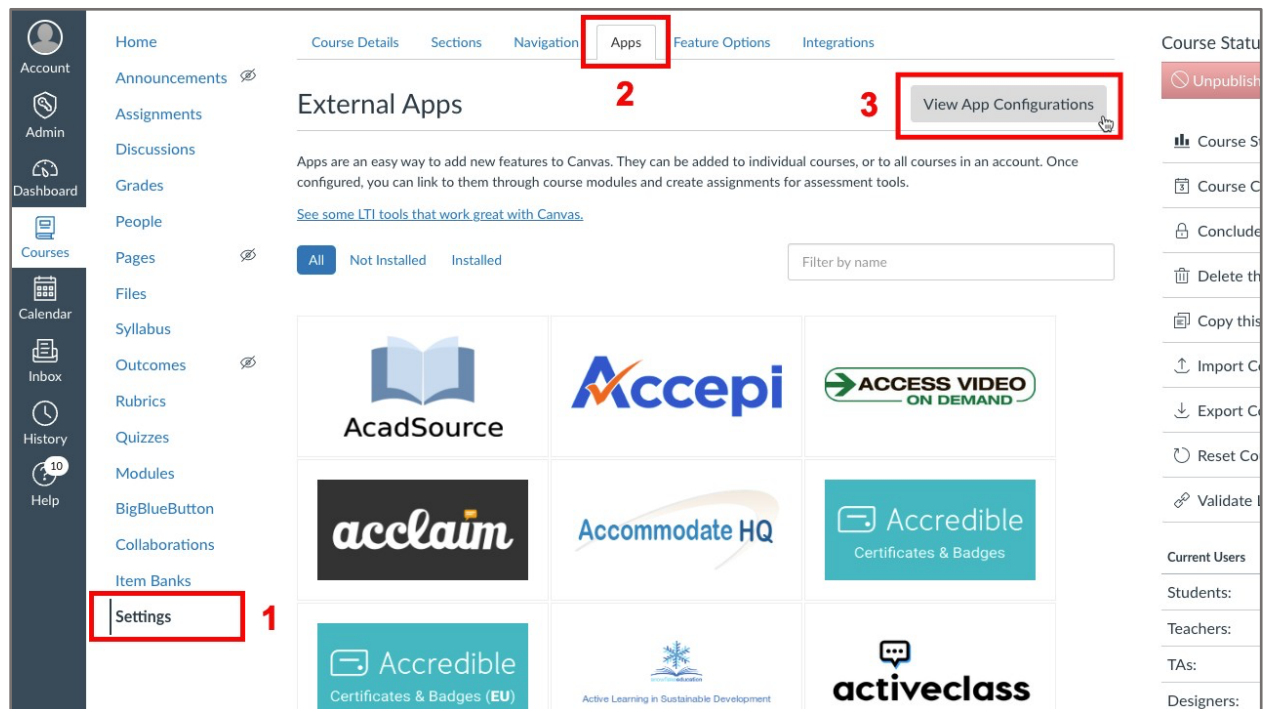
The screenshot shows the Canvas 'Apps - Manage' interface. On the left sidebar, the 'Apps' menu item is highlighted with a red box and a red '1'. The main content area has three tabs: 'Discover', 'Manage' (highlighted with a red box and a red '2'), and 'Monitor'. Below the tabs is a search bar and a table of installed apps. The table has two columns: 'App Name' and 'Nickname'. The 'JBL Integration' app is highlighted with a red box and a red '3'.

App Name	Nickname
Portfolio LTI Client	Portfolio LTI Client
DS_TEST_JSON_PROD	DS_TEST_JSON_PROD
Jones and Bartlett 1.3 Prod - LTI Key	Jones and Bartlett 1.3 Prod - LTI Key
Lucid	Lucid
JBLearning Courses-QA	JBL QA LTI 1.3 (Michael)
JBL Integration	JBL Sales LTI 1.3 Demo LTI Key
JBLearning Courses (MV)	JBL Prod LTI 1.3 (Michael)

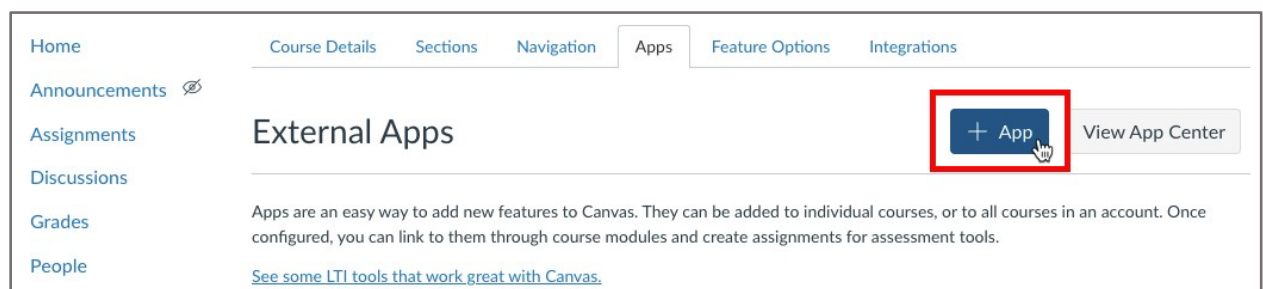
15. From there, click on the **Unlock app** button. After doing so, the button should update instead say **Lock app**, indicating that the app is now unlocked.

The screenshot shows the details for the 'JBL Integration' app. It displays the nickname 'JBL Integration', installation date 'Mar 4, 2024', and update date 'Jul 2, 2026 by test3'. Below this, there is a status 'v1.3' and a lock icon with the text 'App is locked'. At the bottom, there are three buttons: 'Copy Client ID', 'Delete App', and 'Unlock app'. A red callout box points to the 'Unlock app' button with the text: 'Click the **Unlock app** button. After doing so, it should change to say **Lock app**'.

16. The original LTI **Client ID** you created 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, sub account, 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.



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



18. 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 **Client ID** in the resulting space and click on Submit.

Add App

Configuration Type

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

Consumer Key

Shared Secret

Add App

Configuration Type

By Client ID

Client ID

17173000000000291

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

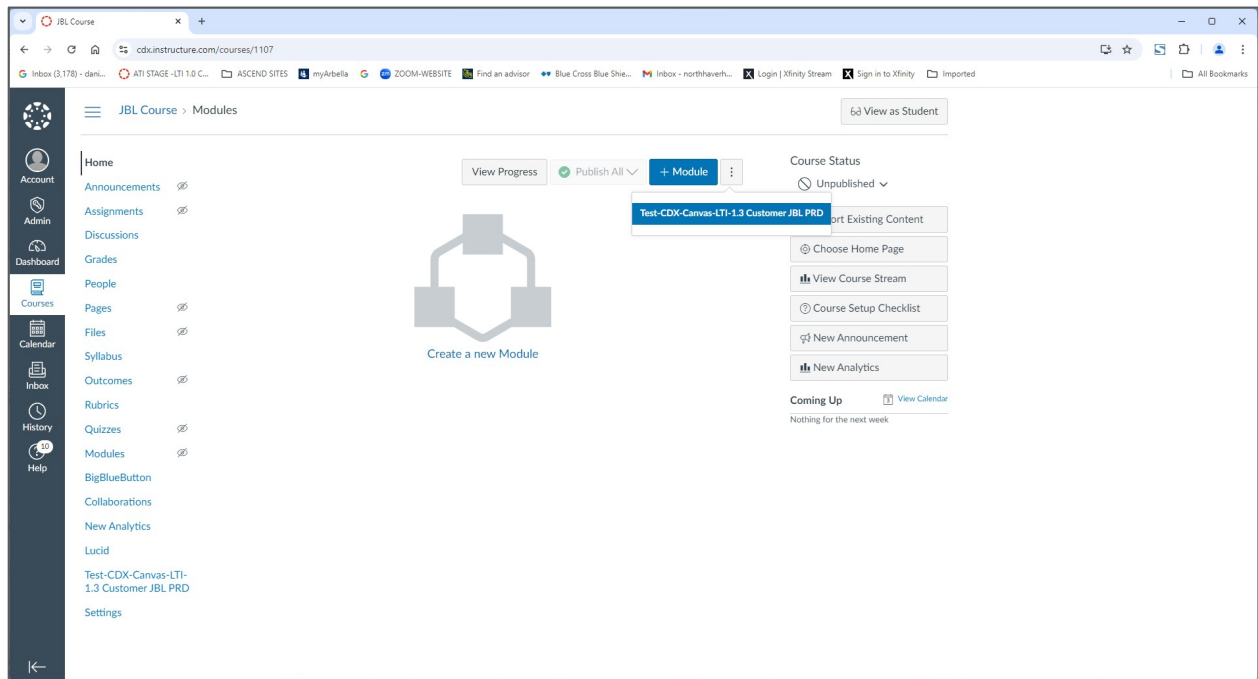
Cancel Submit

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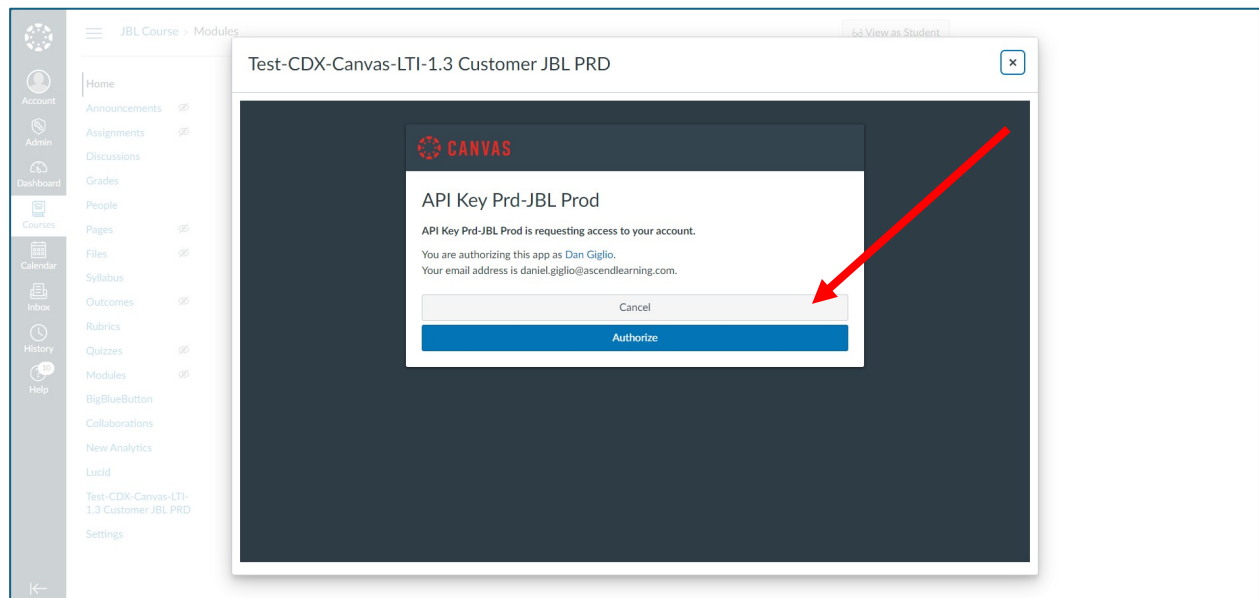


Authorization of the Canvas API Key by a Canvas LMS Administrator

1. After completing the steps above, your tool is now available in canvas. Within the Canvas LMS system, click on the three dots to add the JB Learning LTI Tool for Canvas.

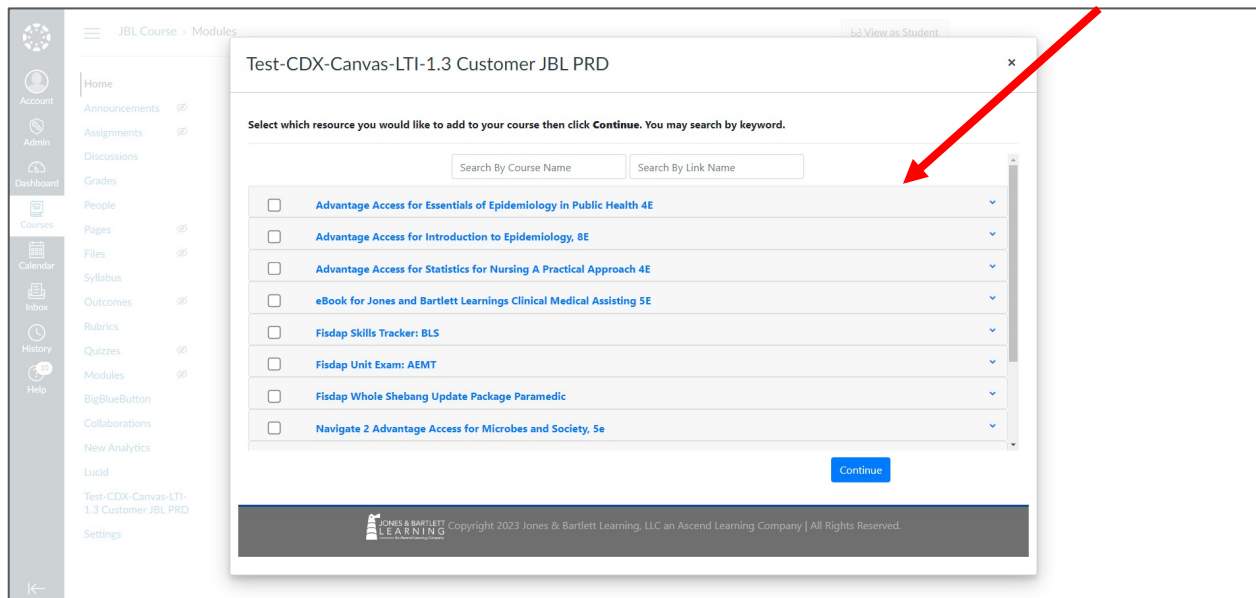


2. Please note that this API Key Authorization step must be performed by a Canvas LMS Administrator in an Administrator role. It is only performed once for all courses at the institution.



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3. Once authorized by the administrator, all available courses for the institution will appear in the Resource Manager.



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