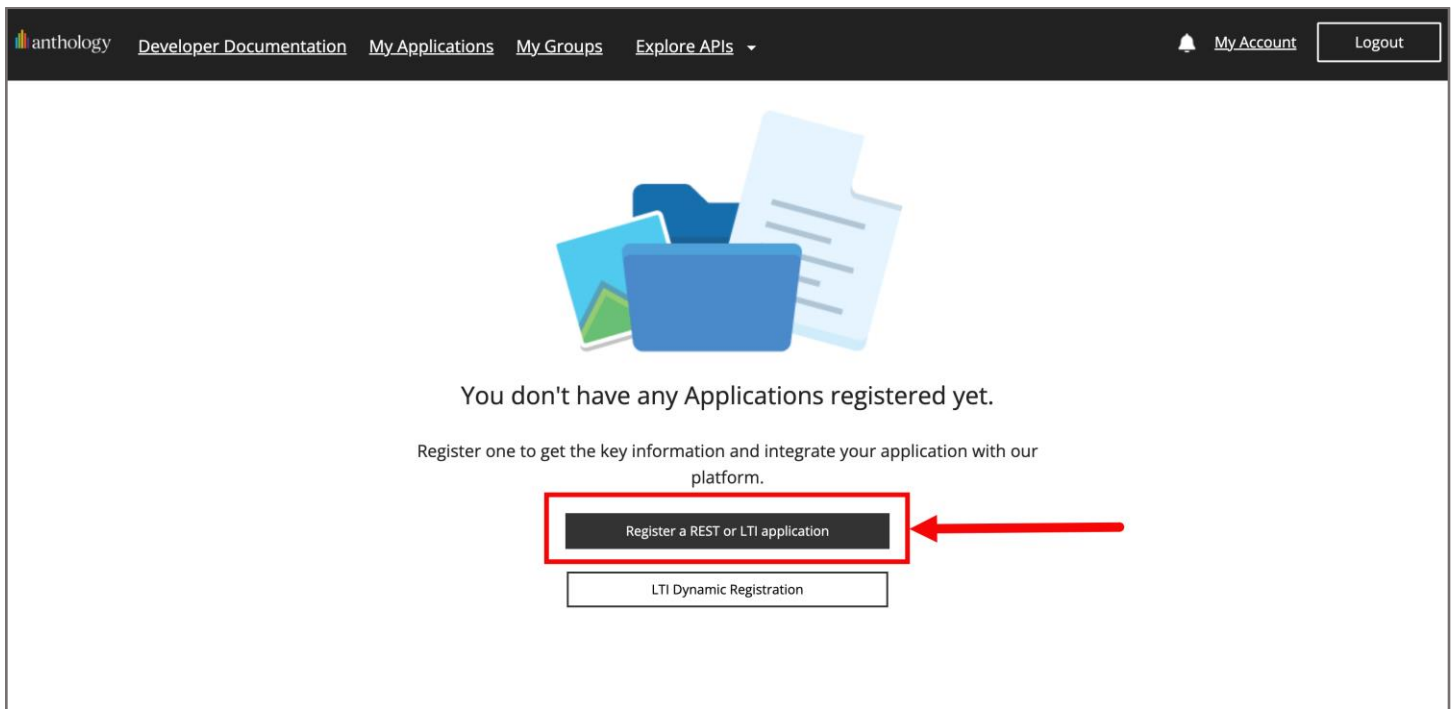


Installing JBLearning's LTI Advantage in Blackboard

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

Summary of Steps

- Register for the JBLearning application via Blackboard's Developer Portal.
 - Complete the integration using your Pass Key and URLs provided in the JBLearning email.
 - Add JBLearning's External App to your site/courses as desired.
1. In a web browser window, navigate to <https://developer.blackboard.com/> and click **Log In** in the upper right corner. If necessary, click **Sign Up** to create a free account.
 2. Once logged in, click the **"Register a REST or LTI Application"** button.



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3. On the next page, enter the following values in the fields provided:

- **Application name:** JBLearning
- **Description:** JBLearning
- **Domains:** lti.jblearning.com

Then toggle **ON** the button next to “**My Integration supports LTI 1.3**”

Register a new application

Enter your applications name and description. Users see this information when adding the application to their environment. Include a version number if there are multiple versions of the application.

*** Application Name**

*** Description** 450 character limit

*** Domain(s)** Separate domains with commas

Group

My Integration supports LTI 1.3

Click to toggle on

x

CancelRegister Application

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4. Turning on “**My Integration supports LTI 1.3**” enabled additional fields in which the following values must be entered:

- **Login Initiation URL:** https://lti.jblearning.com/lti_1_3/authorize
- **Tool Redirect URL(s):**
https://lti.jblearning.com/lti_1_3/deep_link,https://lti.jblearning.com/lti_1_3/launch
- **Tool JWKS URL:** [copy and paste the **JWKS URL** provided in your email from JBLearning]

When done, click the **Register Application** button at the bottom of the page.

My Integration supports LTI 1.3 ✔

Login Initiation URL

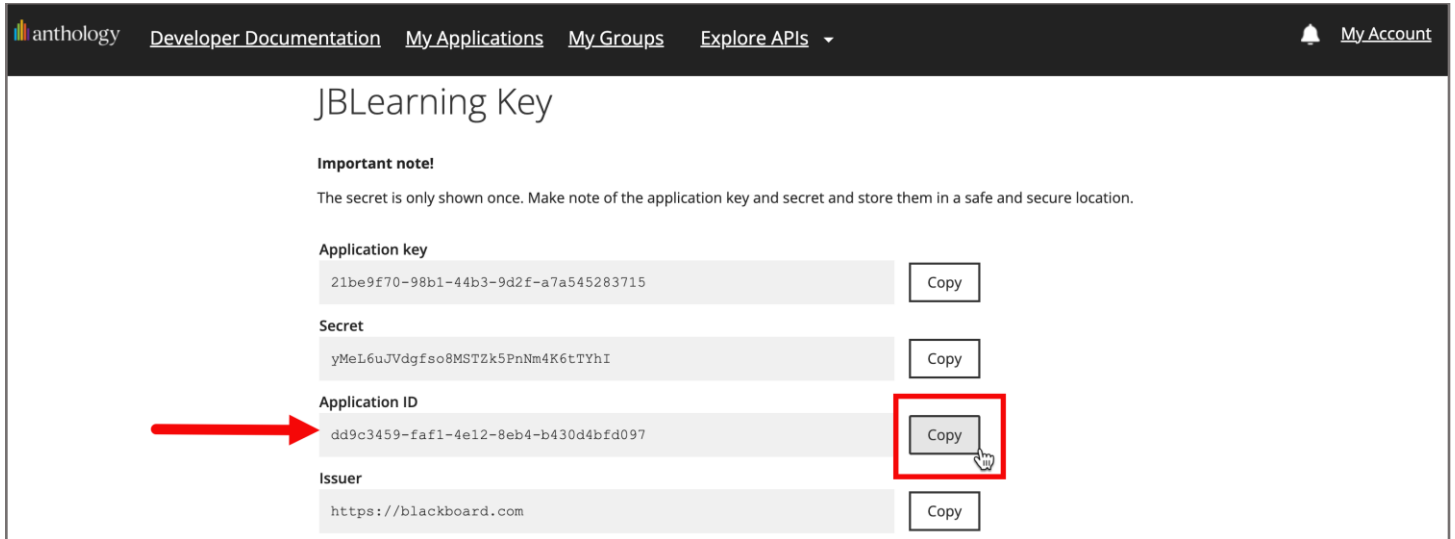
Tool Redirect URL(s) Separate URLs with commas

Tool JWKS URL For a tool's public key access

Signing Algorithm

Custom Parameters

5. On the following page, **Copy** the **Application ID**, as shown below, and paste this ID in a word processing document or write it down on paper. The Application ID is required to complete installation of the LTI Tool after registration. When ready, click **Done** at the bottom of the page.



anthology Developer Documentation My Applications My Groups Explore APIs My Account

JBLearning Key

Important note!
The secret is only shown once. Make note of the application key and secret and store them in a safe and secure location.

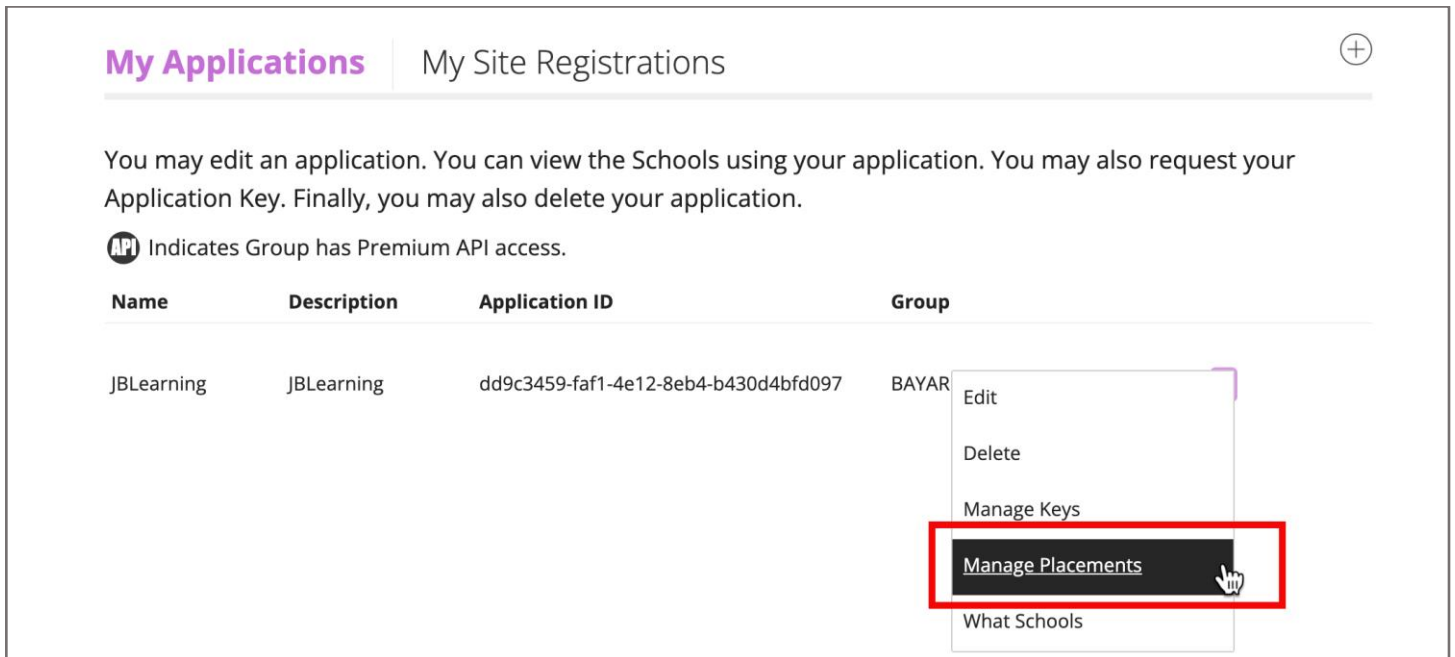
Application key
21be9f70-98b1-44b3-9d2f-a7a545283715

Secret
yMeL6uJVdGfso8MSTZk5PnNm4K6tTYhI

Application ID
dd9c3459-faf1-4e12-8eb4-b430d4bfd097

Issuer
https://blackboard.com

6. On the “My Applications” page, click the three dots next to the newly created App and select **Manage Placements**.



My Applications My Site Registrations

You may edit an application. You can view the Schools using your application. You may also request your Application Key. Finally, you may also delete your application.

API Indicates Group has Premium API access.

Name	Description	Application ID	Group
JBLearning	JBLearning	dd9c3459-faf1-4e12-8eb4-b430d4bfd097	BAYAR

- Edit
- Delete
- Manage Keys
- Manage Placements**
- What Schools

7. Click on the **Register** button to proceed.

You don't have any placements registered yet.

No problem! Select the below "Register" button and register a placement!
After you register a placement, you can manage that placement and register additional placements from this page.

8. In the **Register New Placement** page, enter the following values:

- **Placement name:** JBLearning
- **Type:** Choose "Deep Linking content tool" from the drop-down menu
- **Check** each box for "Allow students access" and "Launch in new window"
- **Target Link URI:** https://lti.jblearning.com/lti_1_3/deep_link

Click the **Register Placement** button at the bottom, then click **Done**.

Enter your placement information

* Placement Name

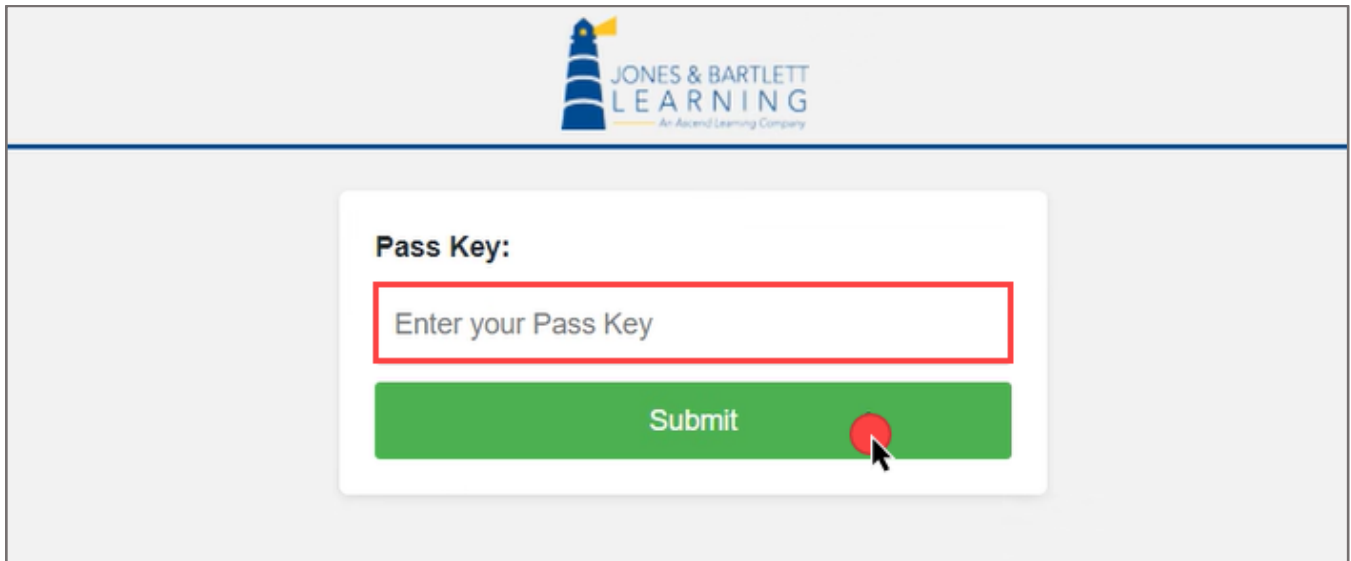
Description Limit placement description to 1000 characters

Type

Allow students access
 Launch in new window

* Target link URI

9. 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. Below the logo is a white form box. Inside the form box, the text "Pass Key:" is followed by a red-bordered input field containing the placeholder text "Enter your Pass Key". Below the input field is a green "Submit" button with a mouse cursor hovering over it.

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10. Submitting the Pass Key opens JBLearning's **Edit Platform** page. **Copy and Paste** the Application ID copied/noted from Step 5 into the **Client Id** field provided. Using to your JBLearning email, the remaining fields should be completed as follows:

- **Base URL:** your Blackboard's web URL. For example, <https://myinstitution.blackboard.com>
- **Login Authorization Endpoint:** <https://developer.blackboard.com/api/v1/gateway/oidcauth>
- **JWKS Endpoint:** <https://developer.blackboard.com/.well-known/jwks.json>
- **Access Token Endpoint:** <https://developer.blackboard.com/api/v1/gateway/oauth2/jwttoken>

When ready, click **Save**.

The screenshot shows the 'Edit Platform' form in the JBLearning interface. The form includes the following fields and callouts:

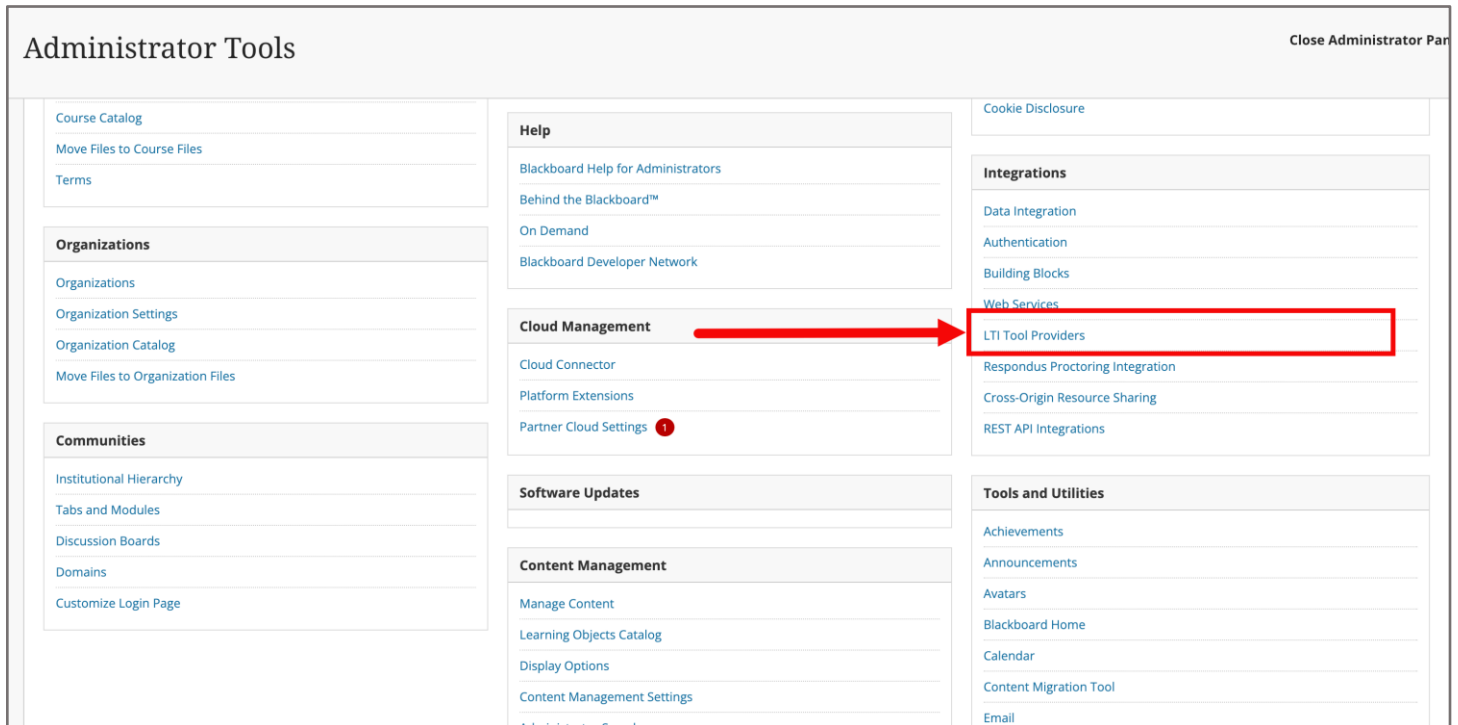
- Name:** A callout box says "Enter your Application ID from the Developer Key that was previously created".
- Client Id:** A callout box says "Enter your Blackboard URL".
- Base URI:** A callout box says "Enter the Login Authorization Endpoint link".
- Login Authorization Endpoint:** A callout box says "Enter the JWKS Endpoint link".
- JWKS Endpoint:** A callout box says "Enter the JWKS Endpoint link".
- Access Token Endpoint:** A callout box says "Enter the Access Token Endpoint link".

A "Save" button is located at the bottom right of the form.

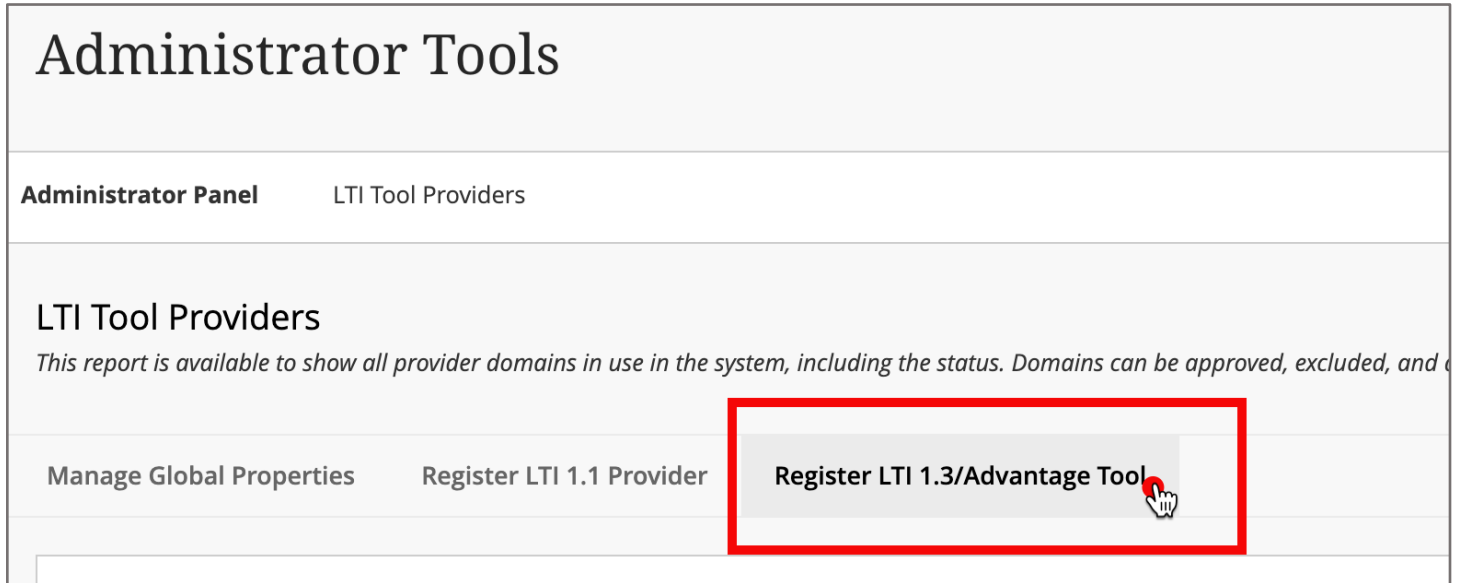
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11. After clicking **Save**, a message of “...” displays at the top of the screen and you may close the window.

12. Your final step is installing the LTI Tool. This requires the Application ID created in the previous section. Log into **Blackboard** as an administrator and click on **LTI Tool Providers** under the **Integrations** section.

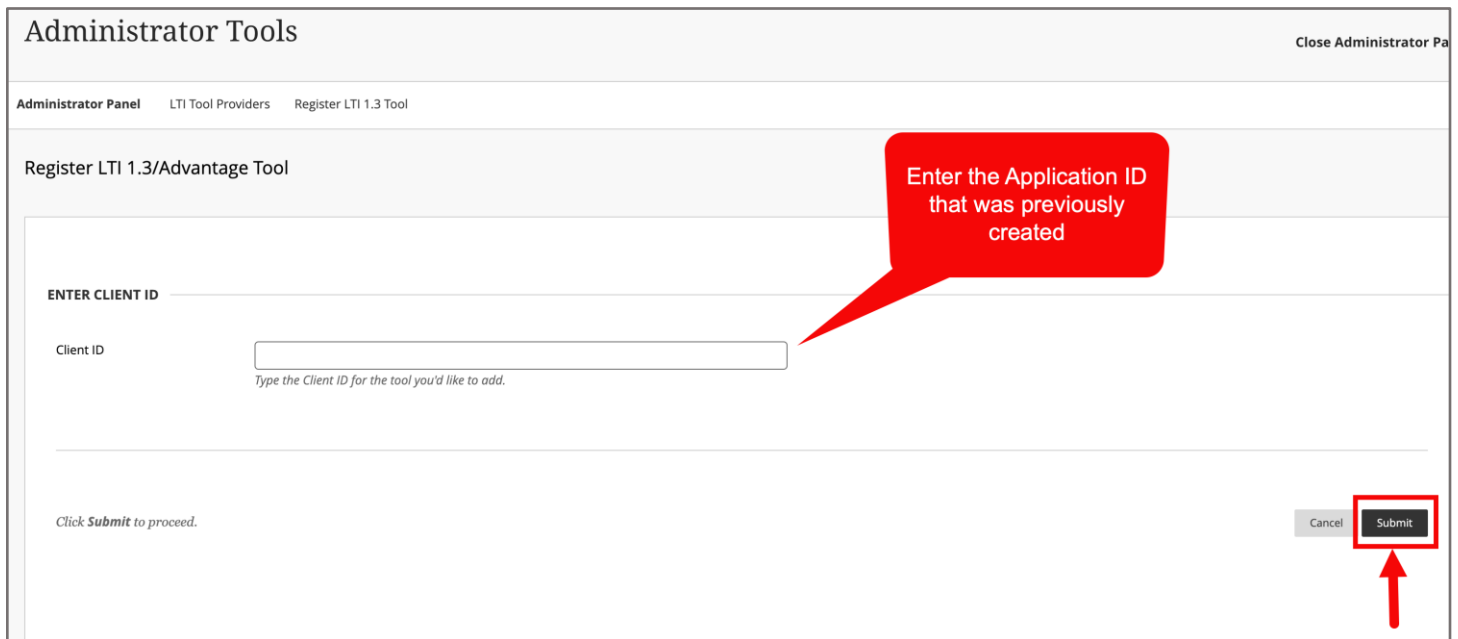


13. Under LTI Tool Providers, click **Register LTI 1.3/Advantage Tool** at the top of the page.



The screenshot shows the 'Administrator Tools' page. At the top, there is a breadcrumb trail: 'Administrator Panel > LTI Tool Providers'. Below this, the heading 'LTI Tool Providers' is followed by a sub-heading 'LTI Tool Providers' and a descriptive sentence: 'This report is available to show all provider domains in use in the system, including the status. Domains can be approved, excluded, and...'. A horizontal menu contains three items: 'Manage Global Properties', 'Register LTI 1.1 Provider', and 'Register LTI 1.3/Advantage Tool'. The 'Register LTI 1.3/Advantage Tool' button is highlighted with a red rectangular box, and a mouse cursor is positioned over it.

14. In the Client ID field, enter the **Application ID** that was previously created, and click on the **Submit** button at the bottom of the page.



The screenshot shows the 'Register LTI 1.3/Advantage Tool' form. At the top, there is a breadcrumb trail: 'Administrator Panel > LTI Tool Providers > Register LTI 1.3 Tool'. The page title is 'Register LTI 1.3/Advantage Tool'. Below the title, there is a section labeled 'ENTER CLIENT ID'. This section contains a 'Client ID' label and a text input field. A red callout box with a pointer to the input field contains the text: 'Enter the Application ID that was previously created'. Below the input field, there is a small instruction: 'Type the Client ID for the tool you'd like to add.'. At the bottom of the form, there is a 'Click Submit to proceed.' instruction. On the right side, there are two buttons: 'Cancel' and 'Submit'. The 'Submit' button is highlighted with a red rectangular box, and a red arrow points upwards to it.

15. On the resulting page, please ensure that all three **User Fields to Send** boxes are checked and **Allow Grade Service Access** option is enabled. Then click on **Submit** at the bottom of the page.

Administrator Tools Close Administrator

Tool Provider Custom Parameters
Enter any custom parameters required by the tool provider. Parameters

INSTITUTION POLICIES

You can change the following settings for this tool. The fields use global values by default.

User Fields to Send

- Role in Course
- Name
- Email Address

Allow grade service access Yes No

Allow Membership Service Access Yes No

Show User Acknowledgment Message You can edit the user acknowledgment message when Membership Service is disabled
 Yes No

Click **Submit** to proceed.

Ensure that all three User Fields to Send boxes are checked and Grade Service is enabled.

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