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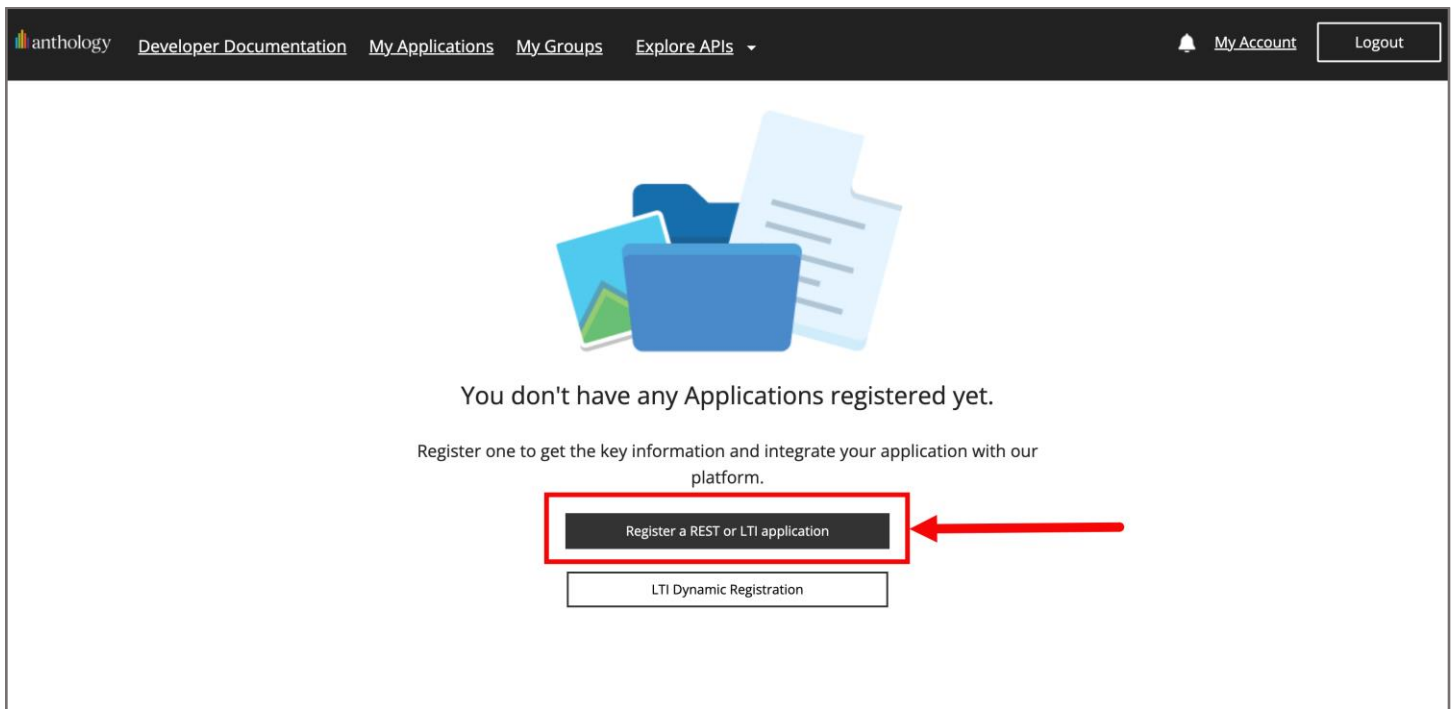
3. On the next page, enter the following values in the fields provided:

- **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

JBLearning

* Description   450 character limit

JBLearning

* Domain(s)   Separate domains with commas

lti.jblearning.com

Group

My Integration supports LTI 1.3

Click to toggle on

Cancel   **Register 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.
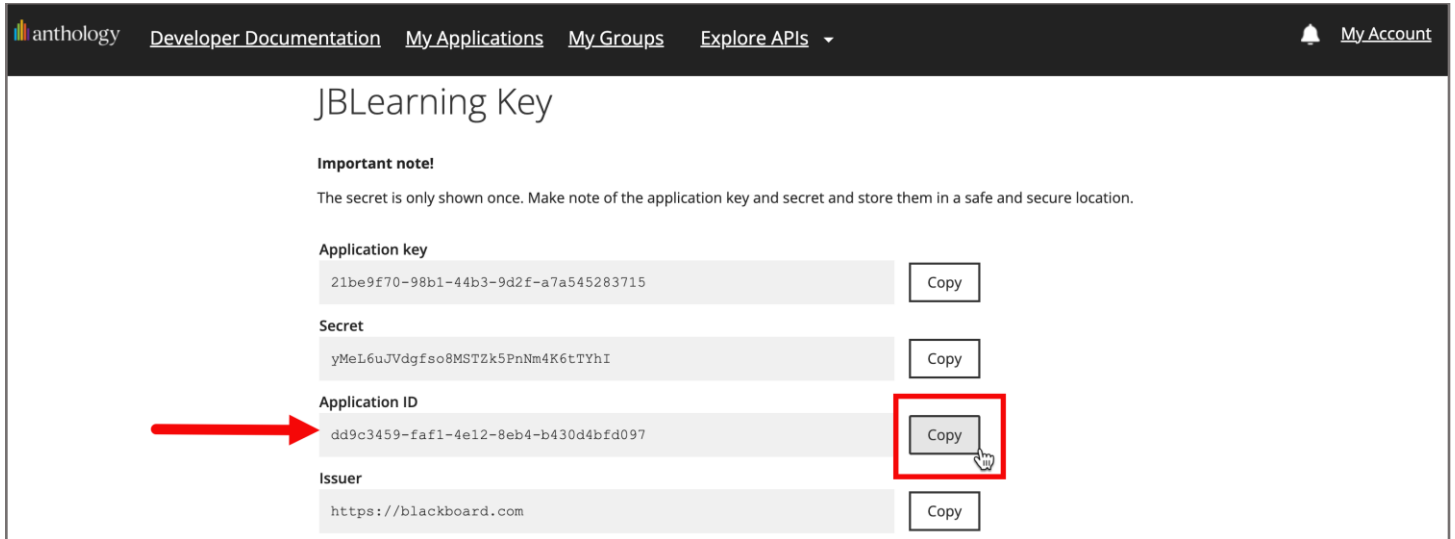
5. On the following page, **Copy** the **Application ID**, as shown below, and paste this ID in a word processing document or write it down on paper. The Application ID is required to complete installation of the LTI Tool after registration. When ready, click **Done** at the bottom of the page.
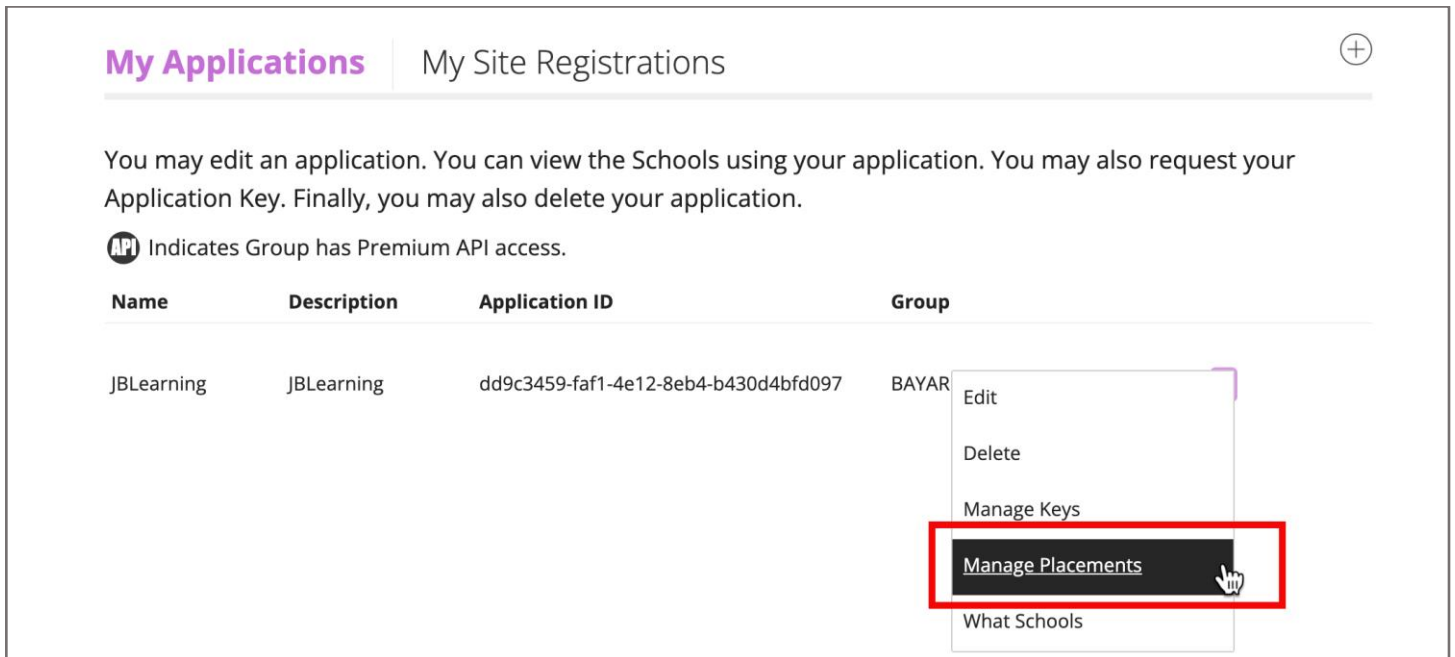
6. On the "My Applications" page, click the three dots next to the newly created App and select **Manage Placements**.

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.

Cancel   Register

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.**

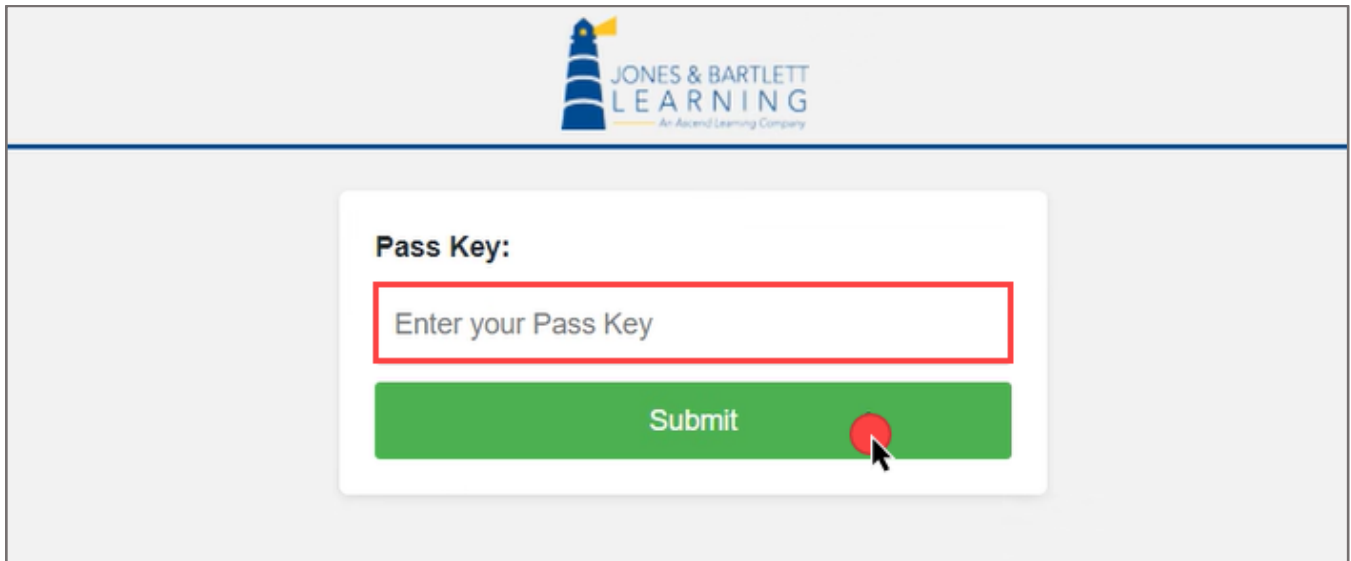Enter your placement information

* Placement Name

JBLearning

Description   Limit placement description to 1000 characters

Type

Deep Linking content tool

☑ Allow students access
☑ Launch in new window

* Target link URI

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

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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.**

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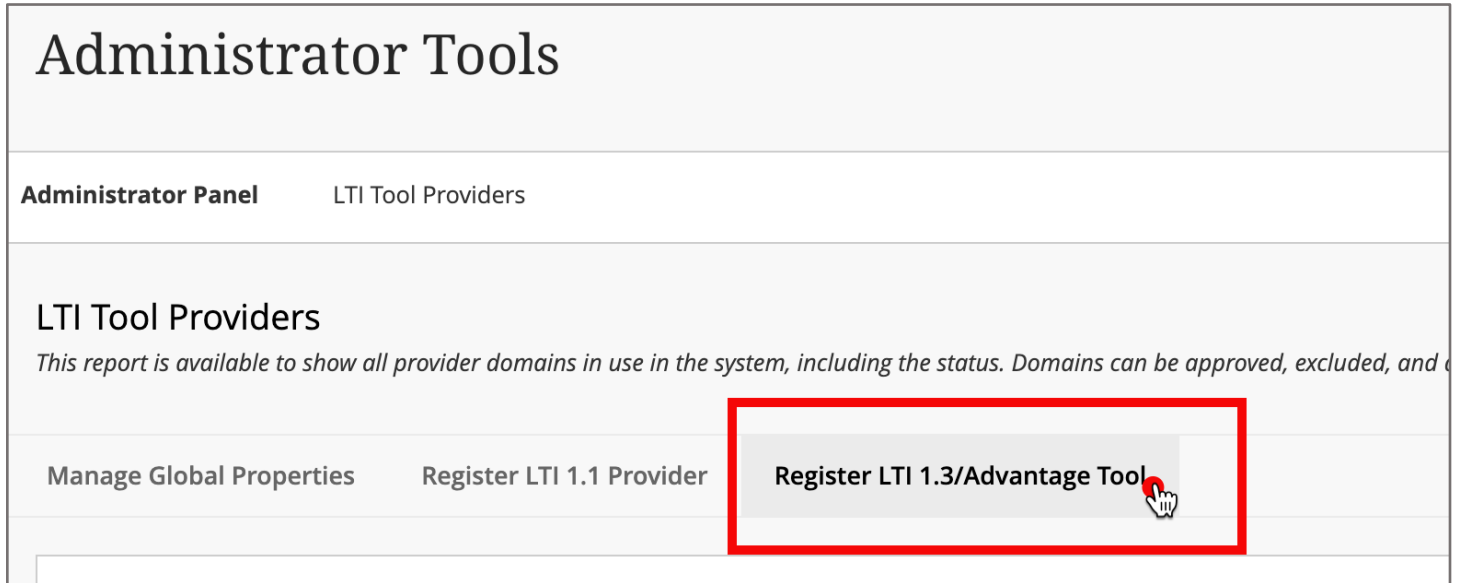
11. After clicking **Save,** a message of "..." displays at the top of the screen and you may close the window.

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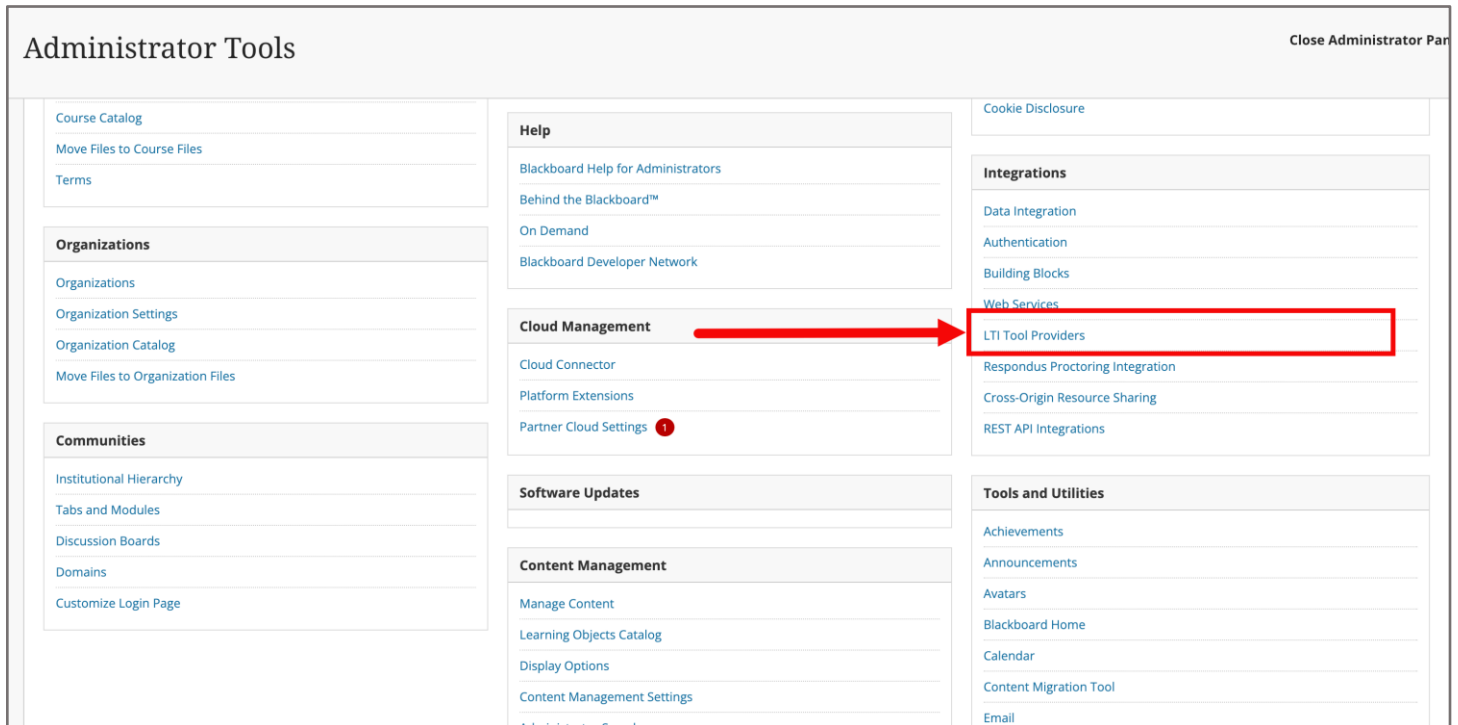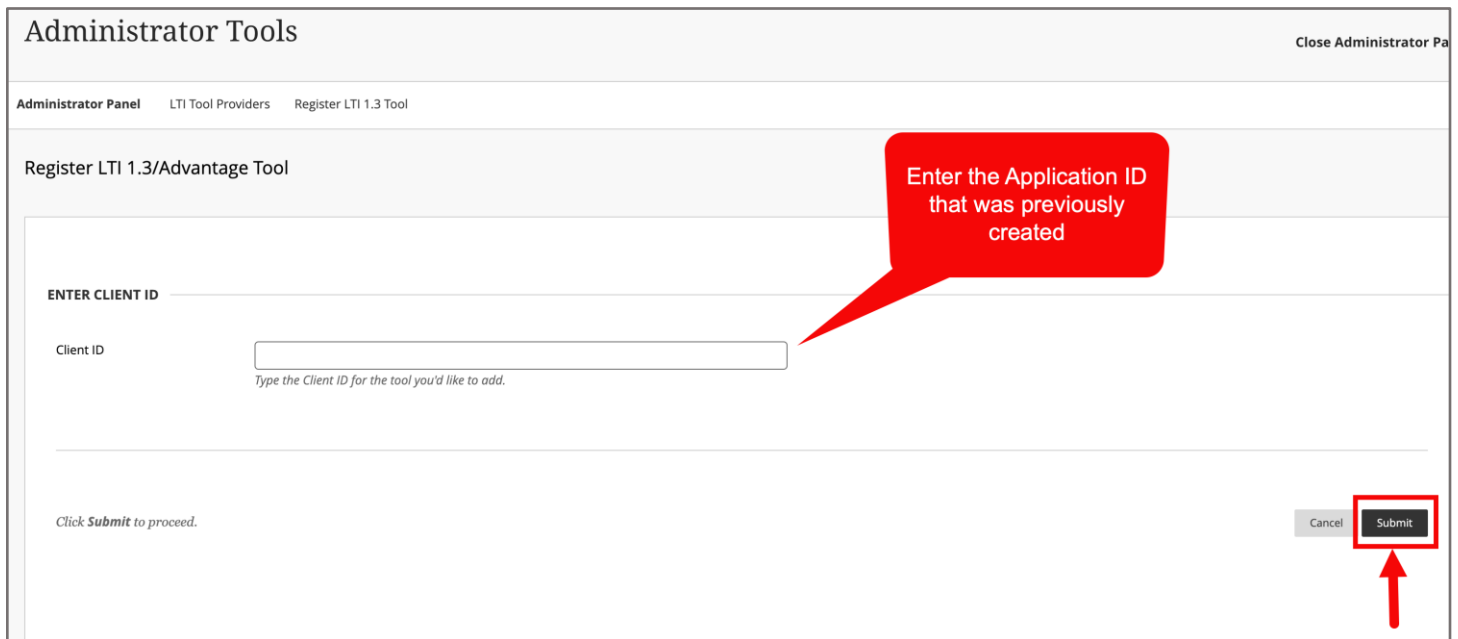
13. Under LTI Tool Providers, click **Register LTI 1.3/Advantage Tool** at the top of the page.

Administrator Tools

Administrator Panel	LTI Tool Providers

LTI Tool Providers
This report is available to show all provider domains in use in the system, including the status. Domains can be approved, excluded, and

Manage Global Properties	Register LTI 1.1 Provider	Register LTI 1.3/Advantage Tool

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.

Administrator Tools

Close Administrator Pa

Administrator Panel	LTI Tool Providers	Register LTI 1.3 Tool

Register LTI 1.3/Advantage Tool

Enter the Application ID that was previously created

ENTER CLIENT ID

Client ID

Type the Client ID for the tool you'd like to add.

*Click **Submit** to proceed.*

Cancel   Submit

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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

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

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.*

Cancel   Submit

Technical Support: www.jblearning.com/techsupport | support@jblearning.com | 1-978-443-5000 | M-F 8:30am – 8:00pm

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