



Poll Everywhere & Blackboard Learn/Ultra LMS LTI 1.3/Advantage integration guide for Blackboard system administrators

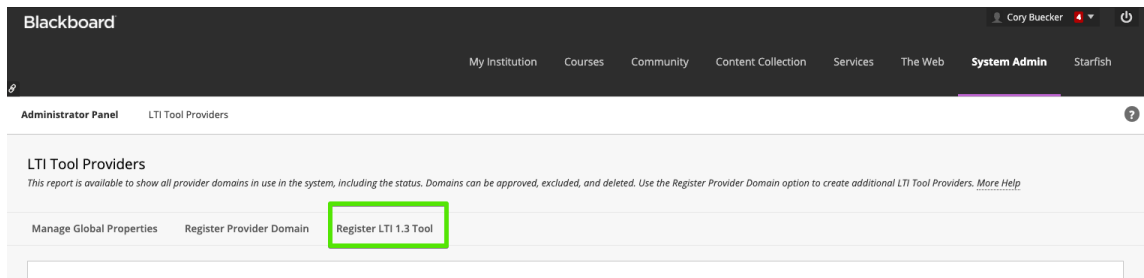
Version 2.0.0

This guide is for Blackboard system administrators and describes how to integrate Poll Everywhere with a Blackboard Learn and Blackboard Ultra LMS system using LTI 1.3 and LTI Advantage.

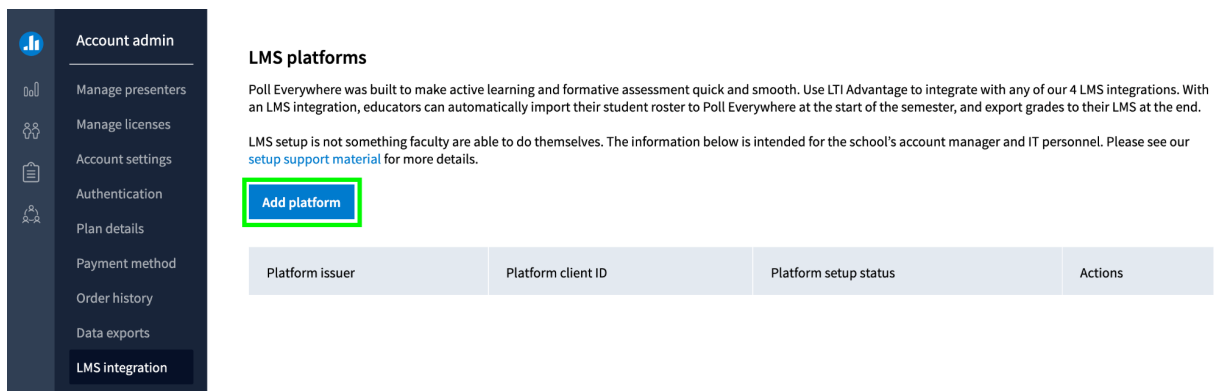
1. In Blackboard, start by going to the System Admin section from the top navigation.
2. From the System Admin page, click on the 'LTI Tool Providers' link in the Integrations section.

A screenshot of the Blackboard System Admin interface. The top navigation bar includes links for My Institution, Courses, Community, Content Collection, Services, The Web, System Admin (which is highlighted), and Starfish. The main content area is titled "Administrator Panel" and shows the Blackboard Learn version 3700.7.0-rel.5+40b4b2c. The interface is divided into several sections: Users, Courses, Organizations, Help, Cloud Management, Content Management, Security, and Integrations. The "Integrations" section is expanded, and the "LTI Tool Providers" link is highlighted with a green box. Other links in the Integrations section include Data Integration, Authentication, Building Blocks, Web Services, Proctoring Services, and REST API Integrations. The "Security" section includes links for Privileges, Session Fingerprint Settings, Gateway Options, Hostname Configuration, Safe HTML Filters, Cookie Disclosure, and Input Validation Filter. The "Help" section includes links for Blackboard Help for Administrators, Behind the Blackboard™, On Demand, and Blackboard Developer Network. The "Cloud Management" section includes links for Cloud Connector, Cloud Profiles and Tools, Cloud Settings, Blackboard Open Content Settings, Consulting Central, and Partner Cloud Settings. The "Content Management" section includes links for Manage Content and Learning Objects Catalog. The "Users" section includes links for Users, Customize User Information, Institution Roles, System Roles, and Course/Organization Roles. The "Courses" section includes links for Courses, Course Settings, Course Catalog, Move Files to Course Files, and Terms. The "Organizations" section includes links for Organizations and Organization Settings. The "Security" section includes links for Privileges, Session Fingerprint Settings, Gateway Options, Hostname Configuration, Safe HTML Filters, Cookie Disclosure, and Input Validation Filter. The "Integrations" section includes links for Data Integration, Authentication, Building Blocks, Web Services, Proctoring Services, and REST API Integrations. The "LTI Tool Providers" link is highlighted with a green box.

- On the next page, click Register LTI 1.3 Tool at the top of the page.



- Open a new tab, navigate to PollEverywhere.com, and log in with an account owner or admin profile.
- Within your Poll Everywhere account, click on the gear icon in the bottom left-hand corner followed by LMS Integration. This is the page where you will manage your LTI 1.3 Platform. Select Add platform.



- On the next page, select Blackboard Learn from the dropdown list of platform options, then Save.

LMS platforms

Poll Everywhere was built to make active learning and formative assessment quick and smooth. Use LTI Advantage to integrate with any of our 5 LMS integrations. With an LMS integration, educators can automatically import their student roster to Poll Everywhere at the start of the semester, and export grades to their LMS at the end.

LMS setup is not something faculty are able to do themselves. The information below is intended for the school's account manager and IT personnel. Please see our [setup support material](#) for more details.

Platform

[Save](#) [Cancel](#)

7. You will find that the form on the next page is completed for you. From this form, copy the information from the 'Client' field, and Save.

```
Fb51l7USvDKw9JBFhxng5YhCHqi0wVdvBJRVfH2s9gN23bwb  
3GSD1NCYg_lVapLIHpNzDbWg7VvB3Cf5YIFREc8ycQ75P3yEU  
xk7jEDWePYqbmwfEPM_HGNoHKftNElrvqJazQ2zbJGS-  
qwZCk3RsVplr7aPWAZdv2JWjW1NjC7CfBQz5ls8rZAyziSXIXJB  
r-0wUsk59aohzwpAmCfl5-
```

Issuer

<https://blackboard.com>

Client

0d905aac-0adf-4855-8a3d-08b81a4fa967

Public key endpoint

<https://developer.blackboard.com/api/v1/management/applica>

OIDC Authentication Endpoint

<https://developer.blackboard.com/api/v1/gateway/oauth2/jwtt>

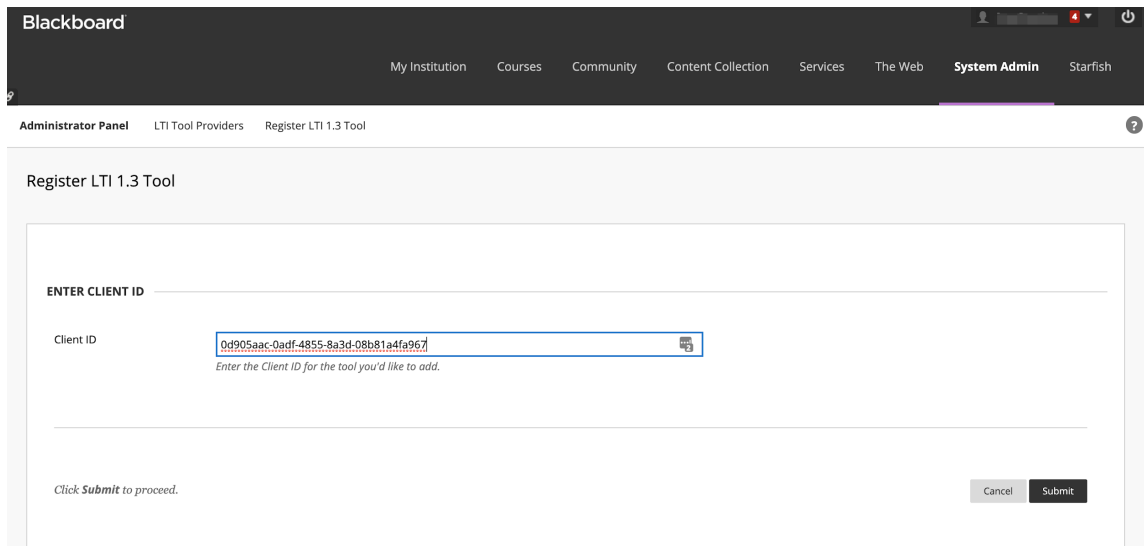
Access token endpoint

<https://developer.blackboard.com/api/v1/gateway/oauth2/jwtt>

Save

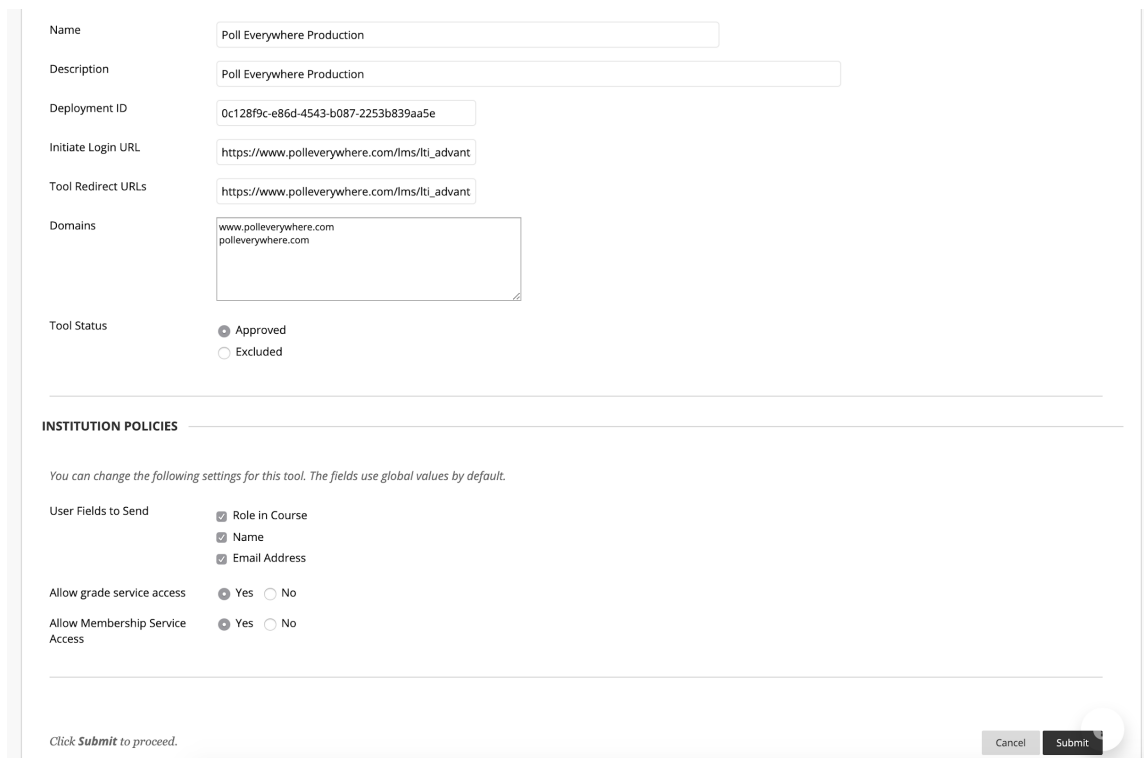
Cancel

- Go back to your Blackboard browser tab, paste the Client ID into the blank field, and Submit.



The screenshot shows the Blackboard Administrator Panel with the 'System Admin' tab selected. The breadcrumb trail is 'Administrator Panel > LTI Tool Providers > Register LTI 1.3 Tool'. The main heading is 'Register LTI 1.3 Tool'. Below this is a section titled 'ENTER CLIENT ID'. It contains a text input field for 'Client ID' with the value '0d905aac-0adf-4855-8a3d-08b81a4fa967' pasted into it. A small icon of a document with a checkmark is next to the input field. Below the input field is a hint: 'Enter the Client ID for the tool you'd like to add.' At the bottom of the section, there is a note: 'Click **Submit** to proceed.' and two buttons: 'Cancel' and 'Submit'.

- On the next page you will be able to name the new integration and update its policies. Name the tool and ensure all Institution Policies are enabled to allow data transfer between Blackboard Learn and Poll Everywhere. When you are done, Submit and you will be redirected back to the Blackboard LTI Tool Provider page.



The screenshot shows the next page in the Blackboard Administrator Panel, titled 'LTI Tool Configuration'. It contains several form fields for configuring the tool:

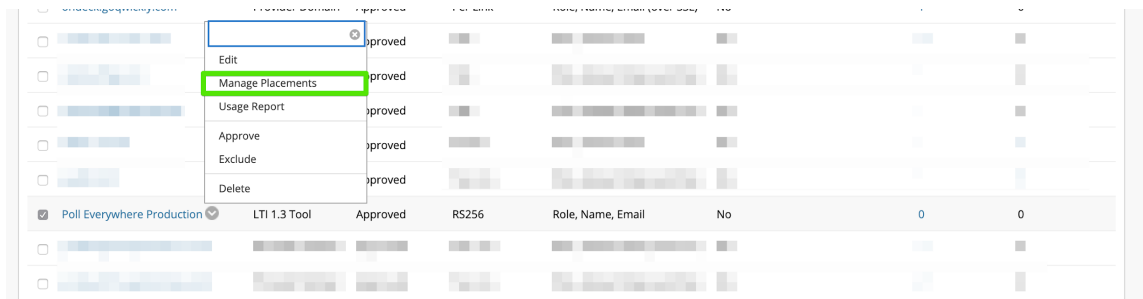
- Name:** Poll Everywhere Production
- Description:** Poll Everywhere Production
- Deployment ID:** 0c128f9c-e86d-4543-b087-2253b839aa5e
- Initiate Login URL:** https://www.polleverywhere.com/lms/lti_advant
- Tool Redirect URLs:** https://www.polleverywhere.com/lms/lti_advant
- Domains:** www.polleverywhere.com, polleverywhere.com
- Tool Status:** ☒ Approved, ☐ Excluded

Below these fields is a section titled 'INSTITUTION POLICIES'. It contains a note: 'You can change the following settings for this tool. The fields use global values by default.' and several checkboxes:

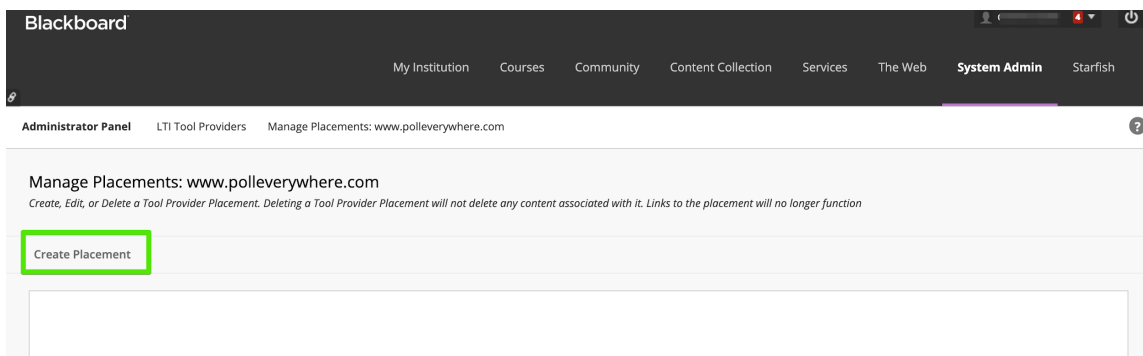
- User Fields to Send:** ☒ Role in Course, ☒ Name, ☒ Email Address
- Allow grade service access:** ☒ Yes, ☐ No
- Allow Membership Service Access:** ☒ Yes, ☐ No

At the bottom of the section, there is a note: 'Click **Submit** to proceed.' and two buttons: 'Cancel' and 'Submit'.

10. On the Blackboard LTI Tool Provider page, find the newly added Poll Everywhere tool in the list, click the dropdown menu next to the tool's name, and choose 'Manage Placements.'



11. On the next page, click the 'Create placement' button.



12. You will need to complete the required fields and select the following settings on the placement page:

- Name: Give the tool a name. This will be the name your faculty will use to add the tool to their courses. Example: 'Poll Everywhere'
- Handle: Give the tool a shortened name for quick reference. Example: 'PollEv'
- Availability: Select 'Yes' to ensure the tool is available to instructors.
- Type: Select 'Course content tool' and check 'Allows grading'
- Check the checkbox for 'Launch in a new window'
- Tool Provider URL: Enter the Poll Everywhere homepage:
<https://www.polleverywhere.com>

*** Handle** Uniquely identifies the placement

*** Availability** ☒ Yes ☐ No Make placement available to course builders and instructors

Type Placement Type determines where this tool appears in Blackboard Learn. The tool can be placed in a course or made available for specific users. [Learn more about placement types.](#)

☐ Deep Linking content tool

☐ Allow student access

☒ Course content tool

☒ Allows grading

☐ Course tool

☐ Allow student access

☐ System tool

☐ Administrator tool

☐ Base navigation tool

☐ Course navigation tool

Launch in New Window ☒

Icon Upload a custom icon that will be shown in the course. The size of the icon should be 50 by 50 pixels.

TOOL PROVIDER INFORMATION

Enter the Tool Provider Information. The Tool Provider URL must be located on one of the configured host names.

*** Target Link URI**

TOOL PROVIDER INFORMATION

Enter the Tool Provider Information. The Tool Provider URL must be located on one of the configured host names.

*** Target Link URI**

Tool Provider Custom Parameters

Enter any custom parameters required by the tool provider. Parameters must each be on their own line and be entered in "name=value" format.

Select Submit to make the Poll Everywhere integration available to your faculty.