

# Poll Everywhere

## Brightspace Integration

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*System Administrator Guide*  
*Version 1.0.0*

This guide is intended for Brightspace System Administrators and describes how to use the Poll Everywhere integration with any Brightspace LMS system.

Note that the installation screens may appear slightly different depending on your Brightspace version and browser.

# Authentication and authorization

## Institution-hosted Brightspace solutions

### Create an OAuth 2.0 application

You will need to create a new OAuth 2.0 application in Brightspace in order for Poll Everywhere to create API access tokens on behalf of your users.

1. From the Admin Tools menu, click Manage Extensibility.
2. Click OAuth 2.0.
3. Click Register an app.

The screenshot shows the Brightspace Admin Tools interface. At the top, there are several icons: External Learn..., Remote Plugins, ePortfolio, Insights Portal, and Data Hub. Below these, a navigation bar has tabs for ID Key Authorization and OAuth 2.0, with the latter being active. A message states: "This list contains OAuth 2.0 applications registered by your institution." The main area is titled "Register an Application". It includes fields for Application Name\*, Redirect URI\*, Scope\*, Access Token Lifetime (seconds)\*, and a Description text area. At the bottom, there are three checked checkboxes: "Prompt for user consent", "Enable refresh tokens", and "I accept the Non-Commercial Developer Agreement\*", followed by "Register" and "Cancel" buttons.

External Learn...    Remote Plugins    ePortfolio    Insights Portal    Data Hub

ID Key Authorization    **OAuth 2.0**

This list contains OAuth 2.0 applications registered by your institution.

## Register an Application

Application Name\*

Redirect URI\*

 This is where we will redirect the user after authorization succeeds. Must be HTTPS.

Scope\*

 This value represents the resources accessed by the application on behalf of the user. Use space-delimited strings of the form group:resource:permissions where "group" can not be a wildcard (i.e. "\*").

Access Token Lifetime (seconds)\*

 The lifetime of the access token (in seconds), with a minimum of 1800 seconds (30 minutes) and a maximum of 72000 seconds (20 hours). After this time, the token is invalidated, and the user will be prompted to log in.

Description

Prompt for user consent  
 Enable refresh tokens  
 I accept the Non-Commercial Developer Agreement\*

**Register**    **Cancel**

Enter the following values in the fields:

**Application Name:** Poll Everywhere

**Redirect URI:** [https://www.polleverywhere.com/lms/brightspace/user\\_connections](https://www.polleverywhere.com/lms/brightspace/user_connections)

**Scope:** core:\*:\* grades:gradeobjects:write grades:gradeobjects:read grades:gradevalues:write

**Access Token Lifetime:** 3600

**Prompt for user consent:** Yes (checked)

**Enable refresh tokens:** Yes (checked)

**Non-Commercial Developer Agreement:** Yes (checked)

After you save the application, you will be presented with a Client ID and Client Secret. Please make a note of these for the next step.

Learn more about Brightspace OAuth 2.0 application:

[docs.valence.desire2learn.com/basic/oauth2.html](https://docs.valence.desire2learn.com/basic/oauth2.html)

### Add developer key (client credentials) to Poll Everywhere

On [polleverywhere.com/lms/brightspace/connections](https://polleverywhere.com/lms/brightspace/connections), select the link “Add new institutional Brightspace solution”. You will be presented with the following screen:

## Connect to LMS

1. Select LMS    2. Authorize    3. Select courses

**Connection details for your hosted Brightspace solution:**

URL *	<input type="text" value="https://myorg.d2l.com"/> 
Client ID *	<input type="text" value="10000000000026"/>
Client Secret Key *	<input type="text" value="ctaDB7xASOIrwNRrqHoCDxf..."/>

**Cancel** **Continue →**

The URL corresponds to your Brightspace installation’s URL (e.g. <https://university.brightspace.com>) and your generated Client ID and Client Secret Key in the previous step.

Once you have created your connection, you are presented with the following screen:

## Connect to LMS

1. Select LMS    2. Authorize    3. Select courses

**Select Brightspace connection type:**  
Please note that adding a new Brightspace connection will disable connections added via CSV-import.

 brightspace

**Brightspace accounts available for your institution:**  
<https://partners.brightspace.com>  Login Edit Delete

Your users will be able to authorize Poll Everywhere to create an OAuth 2.0 access token through the highlighted link. Once the token is created, they will be able to use the integration as described in “Integration features.”

## Integration features

### Course roster import

From [polleverywhere.com/lms/brightspace/connections](https://polleverywhere.com/lms/brightspace/connections), users should be able to see their available logins regardless of Brightspace type, provided they follow the instructions above.

# Connect to LMS

1. Select LMS    2. Authorize    3. Select courses

Your available Brightspace logins:

[Import Roster \(https://partners.brightspace.com\)](https://partners.brightspace.com) Delete

Add more Brightspace connections:  
Please note that adding a new Brightspace connection will disable participants added via CSV-import.

Brightspace accounts available for your institution:  
<https://partners.brightspace.com> Login Edit Delete

Clicking on an available Brightspace login will take the user to the following page:

# Connect to LMS

1. Select LMS

2. Authorize

3. Select courses

Select your courses

- Polling 201
- Polling 101

Students must set their own password by requesting a password reset email from [polleverywhere.com/login](http://polleverywhere.com/login) unless they already have an account.

**Continue →**

Students will automatically receive a notification email with a link to change their password. You can edit and manage the imported students at [polleverywhere.com/participants](http://polleverywhere.com/participants). Note that only students with email addresses will be imported.

## Gradebook export

In order to export grades from Poll Everywhere to Brightspace, a gradebook report in Poll Everywhere must be created first. Refer to the blog post for more information about creating gradebook reports: [polleverywhere.com/blog/whats-in-a-gradebook](http://polleverywhere.com/blog/whats-in-a-gradebook).

Once the gradebook report is created, you can find the export button in the lower right-hand corner of the page. Follow the instructions presented on the screen. Poll Everywhere will then create a new assignment for your course, which you can view in your course's Brightspace gradebook.

