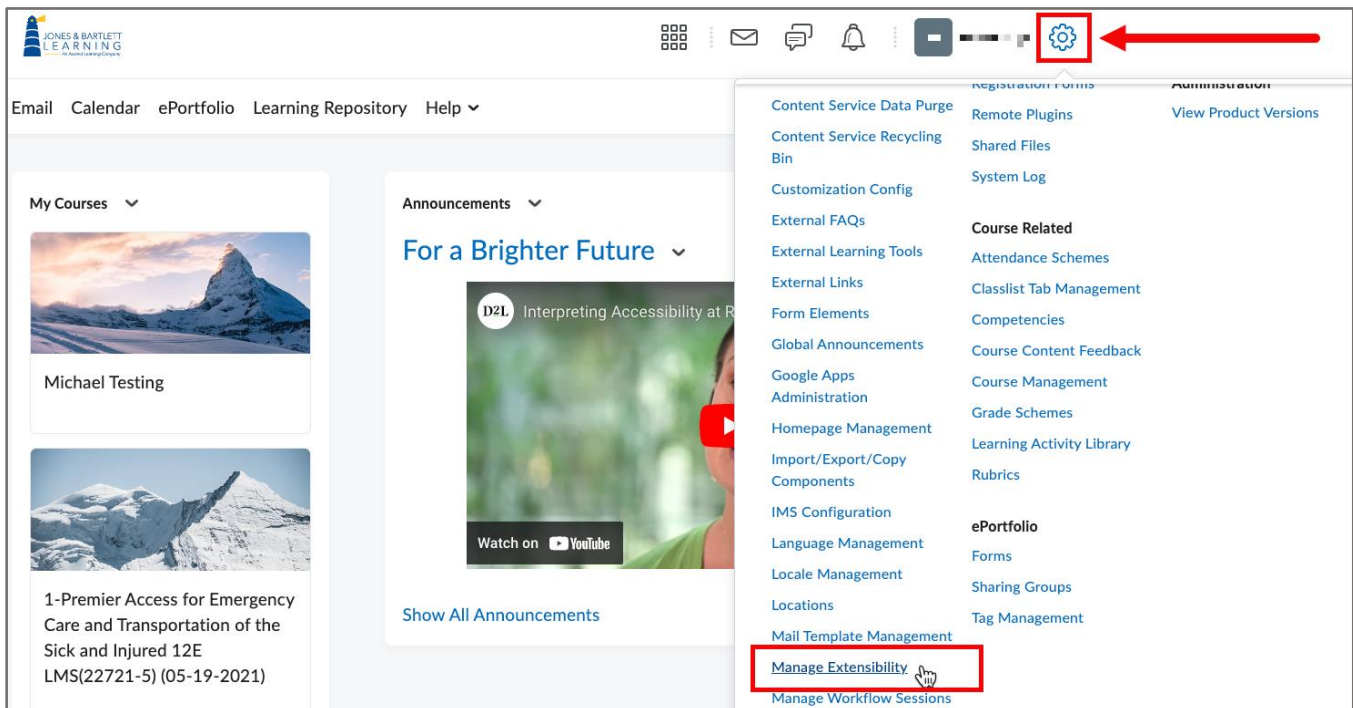


# Installing JB Learning's LTI Advantage in D2L/Brightspace

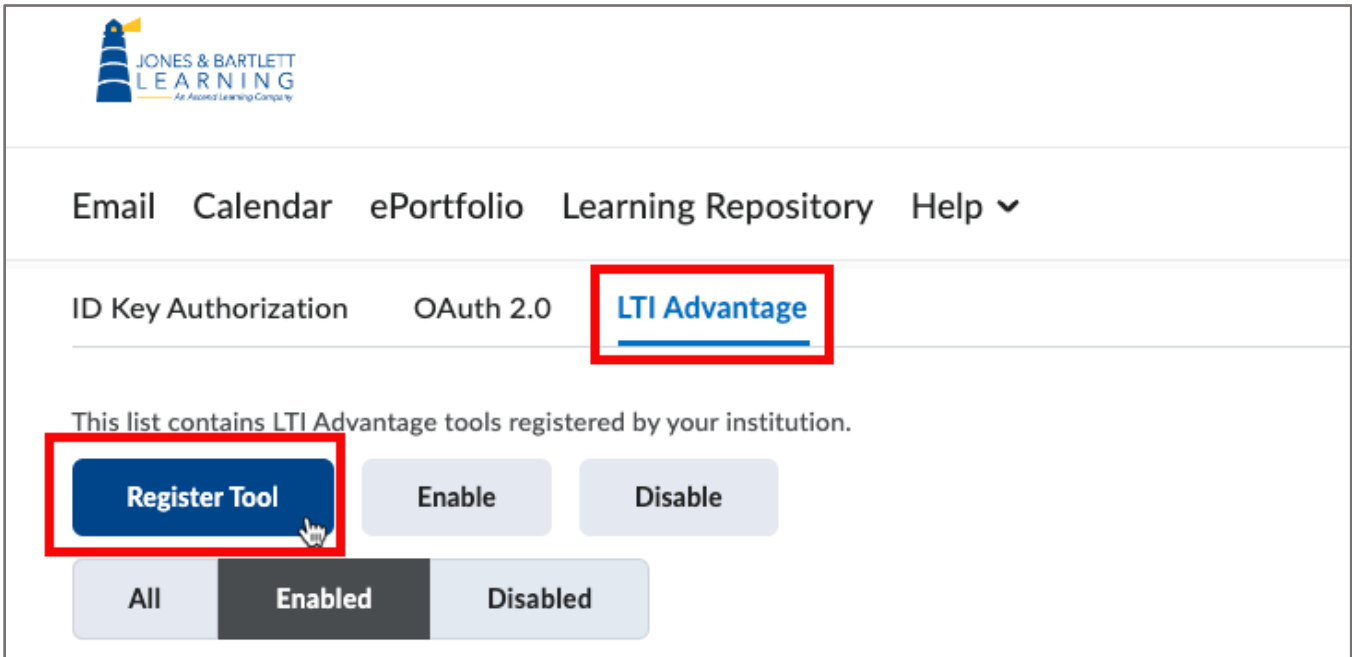
This document provides steps for configuring and enabling JB Learning's LTI 1.3 within your Desire2Learn/Brightspace Learning Management System (LMS). **Note**, installation requires a System Administrator permissions and the JB Learning LTI Advantage email.

1. Installing the application requires **System Administrator** permissions. Log in as an administrator and click on the **Admin Tools** button in the top-right corner. Then scroll down as needed to click on **Manage Extensibility** from the menu.



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2. On the following page, select the **LTI Advantage** tab, then click on the **Register Tool** button.



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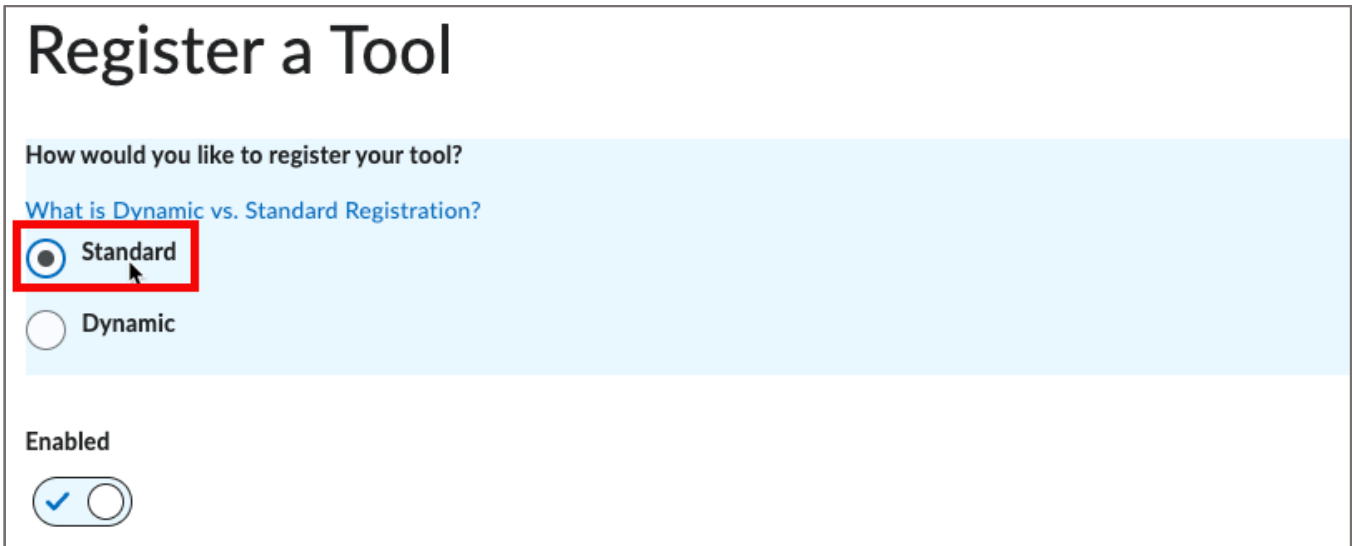
ID Key Authorization OAuth 2.0 **LTI Advantage**

This list contains LTI Advantage tools registered by your institution.

**Register Tool** Enable Disable

All **Enabled** Disabled

3. Next, choose **Standard** from the registration options.



# Register a Tool

How would you like to register your tool?

[What is Dynamic vs. Standard Registration?](#)

**Standard**

Dynamic

Enabled

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4. After selecting the **Standard** option, enter the following values in the fields displayed below:

- **Name:** JBLearning Courses
- **Domain:** <https://lti.jblearning.com>
- **Redirect URLs,** add the following:
  - [https://lti.jblearning.com/lti\\_1\\_3/launch](https://lti.jblearning.com/lti_1_3/launch)
  - [https://lti.jblearning.com/lti\\_1\\_3/deep\\_link](https://lti.jblearning.com/lti_1_3/deep_link)
- **OpenID Connect Login URL:**
  - [https://lti.jblearning.com/lti\\_1\\_3/authorize](https://lti.jblearning.com/lti_1_3/authorize)

<b>Name *</b>	<input type="text" value="JBLearning Courses"/>
<b>Description</b>	<input type="text"/>
<b>Domain *</b>	<input type="text" value="https://lti.jblearning.com"/>
<b>Redirect URLs *</b>	<div><input type="text" value="https://lti.jblearning.com/lti_1_3/launch"/> × <input type="text" value="https://lti.jblearning.com/lti_1_3/deep_link"/> × <a href="#">+ Add Redirect URL</a></div>
<b>OpenID Connect Login URL *</b>	<input type="text" value="https://lti.jblearning.com/lti_1_3/authorize"/>

5. Scroll further down and continue by entering the following values in their respective fields:

- **Target Link URL:**
  - [https://lti.jblearning.com/lti\\_1\\_3/launch](https://lti.jblearning.com/lti_1_3/launch)
- **Keyset URL:** copy the “JWKS URL” from your JB Learning email and paste it into this field.
- **Extensions**, check boxes for:
  - “Assignment and Grade Services”
  - “Deep Linking”
- **Roles**, leave the “Send Institution Role” box **unchecked**.

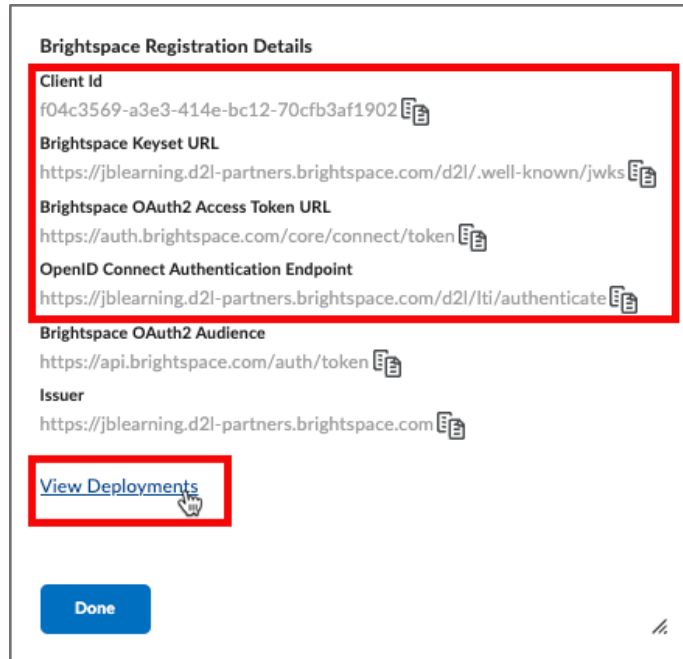
Click **Register** at the bottom of the page.

The screenshot shows a registration form with the following sections:

- Target Link URI:** A text input field containing the URL `https://lti.jblearning.com/lti_1_3/launch`.
- Keyset URL:** A text input field containing the JWKS URL `https://lti.jblearning.com/lti_1_3/c4904dcc-6222-4e9c-a859-8482772a894a/jwks.json`.
- Extensions:** A section titled "What are Extensions?" containing three checkboxes:
  - Assignment and Grade Services
  - Deep Linking
  - Names and Role Provisioning Services
- Roles:** A section containing one checkbox:
  - Send Institution Role
- Buttons:** A blue "Register" button and a grey "Cancel" button.

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6. Upon clicking Register, a pop-up screen with registration details displays. Please copy the **Client ID**, **OpenID Connect Authentication Endpoint**, **Keyset URL**, and **OAuth2 Access Token URL**, as shown below, and paste them in a word processing document or write down on paper. The links are required to complete installation of the LTI Tool after registration. When ready, click on **View Deployments** at the bottom of the list.

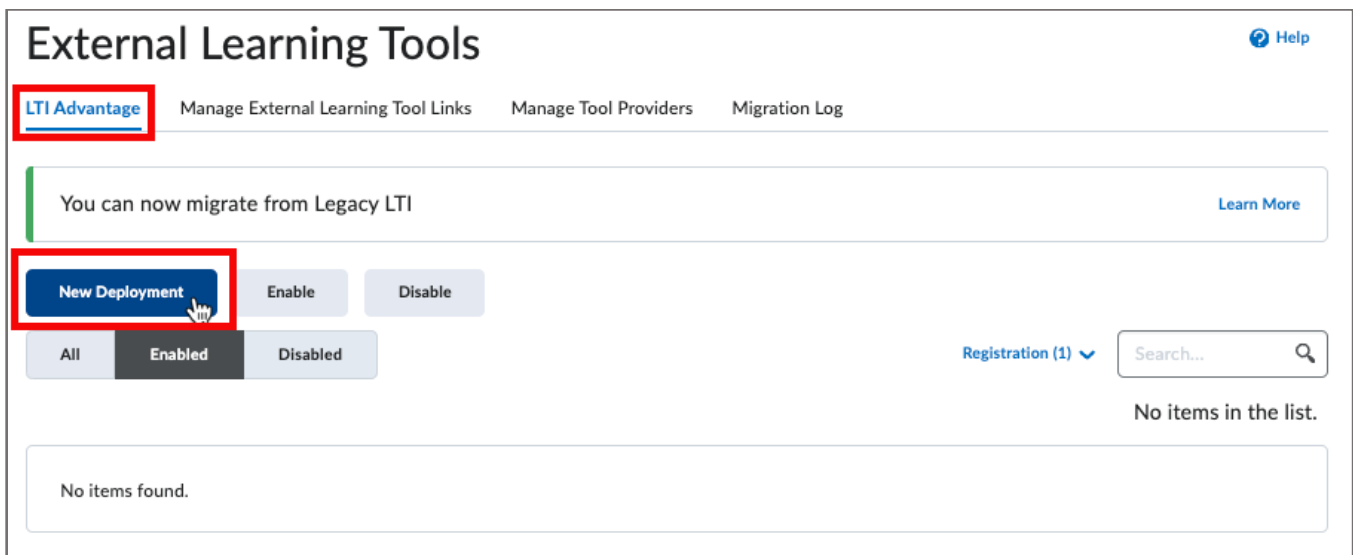


The screenshot shows a 'Brightspace Registration Details' pop-up window. It contains the following information:

- Client Id:** f04c3569-a3e3-414e-bc12-70cfb3af1902
- Brightspace Keyset URL:** https://jblearning.d2l-partners.brightspace.com/d2l/.well-known/jwks
- Brightspace OAuth2 Access Token URL:** https://auth.brightspace.com/core/connect/token
- OpenID Connect Authentication Endpoint:** https://jblearning.d2l-partners.brightspace.com/d2l/lti/authenticate
- Brightspace OAuth2 Audience:** https://api.brightspace.com/auth/token
- Issuer:** https://jblearning.d2l-partners.brightspace.com

At the bottom of the details, there is a blue button labeled 'View Deployments' and a larger blue button labeled 'Done'.

7. Then click the **New Deployment** button under the **LTI Advantage** tab.



The screenshot shows the 'External Learning Tools' interface. At the top, there are tabs for 'LTI Advantage', 'Manage External Learning Tool Links', 'Manage Tool Providers', and 'Migration Log'. Below the tabs, there is a message: 'You can now migrate from Legacy LTI' with a 'Learn More' link. A 'New Deployment' button is highlighted with a red box. Below this button are 'Enable' and 'Disable' buttons. There are also filters for 'All', 'Enabled', and 'Disabled'. On the right, there is a 'Registration (1)' dropdown and a search box. The main content area shows 'No items in the list.' and 'No items found.'


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8. On the **Deploy Tool** page, enter the following values in the fields provided:

- **Tool:** From the dropdown menu option, select the tool created in the previous step (JB Learning Courses)
- **Name:** JB Learning Courses (this name is just a recommendation)
- **Extensions:** No changes/entries required.
- **Security Settings:**
  - Check “Org Unit Information”
  - Check “User Information”, which automatically selects additional recommended settings.
- **Configuration settings:**
  - Check “Open as External Resource”
  - Check “Grades created by LTI will be included in Final Grade”

## Deploy Tool

Enabled

Auto Migrate Links  

Tool \*  

Name \*

Description

Extensions

[What are Extensions?](#)

Assignment and Grade Services

Deep Linking



Names and Role Provisioning Services

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



**Security Settings**

Select the information to share with the tool:

- Anonymous
- Org Unit Information 
- User Information
  - Name
    - First Name
    - Middle Name
    - Last Name
  - Email
  - User ID
  - Username
  - Org Defined Id
- Link Information
  - Title
  - Description
- Classlist including users not known to this deployment 

**Configuration Settings**


- Open as External Resource 
- Grades created by LTI will be included in Final Grade 
- Auto Create Grade Items 

9. Note, if individual courses requiring the JB Learning integration are known, they can be added by enabling **Add Org Units** button at the bottom. If not, this step must be completed later. When finished, please click the **Create Deployment** button at the bottom of the page.

Make tool available to:

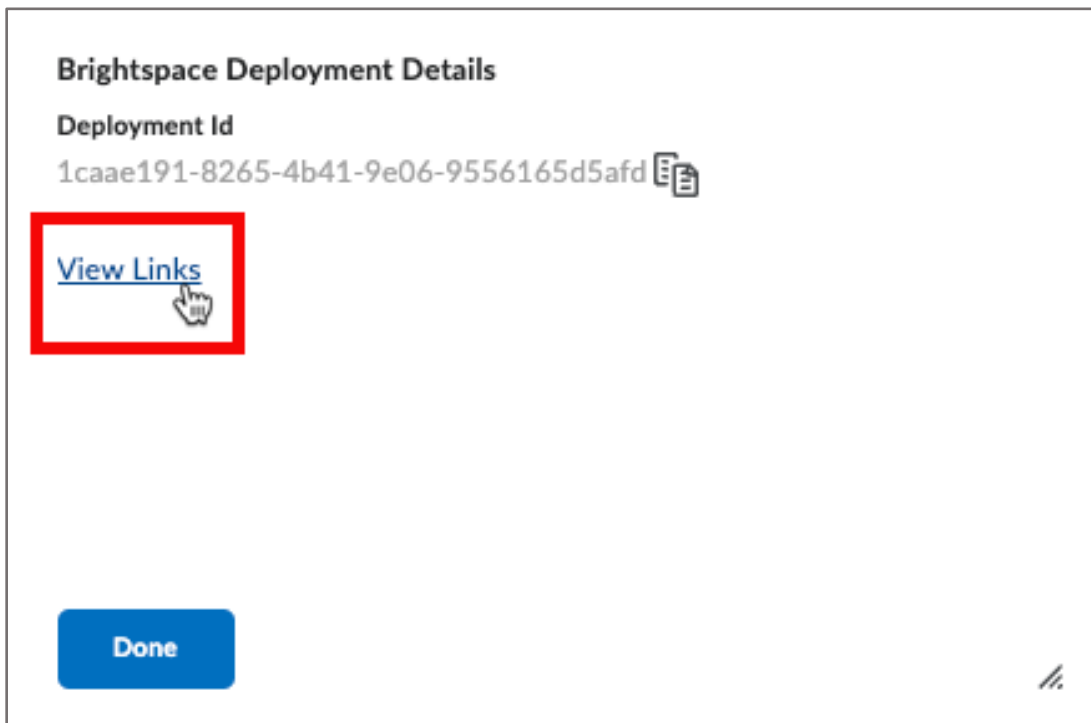
**Add Org Units**

The Organization: JBLearning, HE ✕

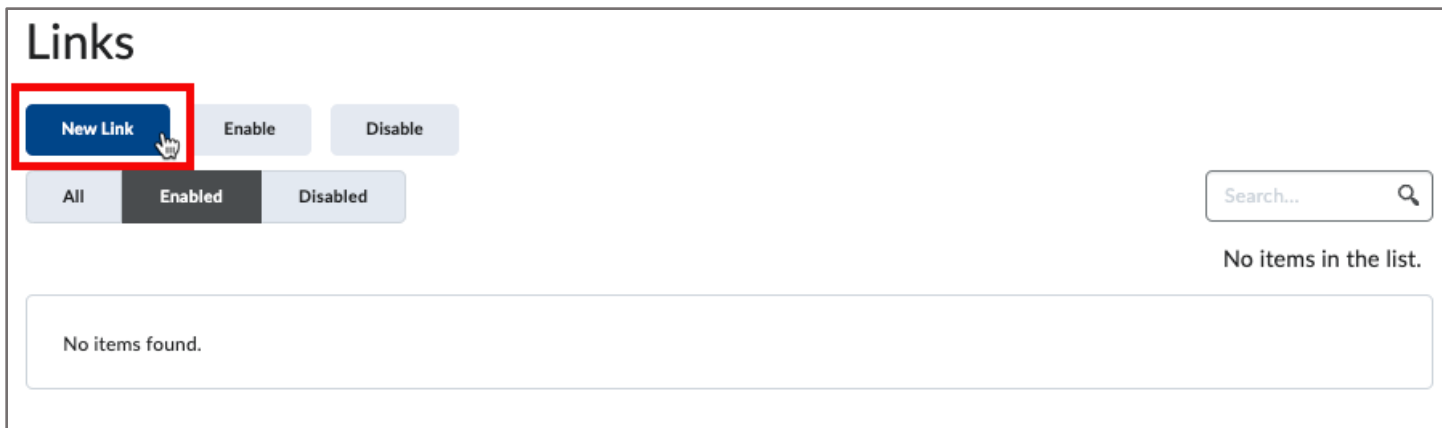
**Create Deployment**  **Cancel**

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10. Then click **View Links** from the Brightspace Deployment Details page.



11. On the following page, click on the **New Link** button.



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12. From the **Create Link** page, enter the following values in the fields provided:

- **Name:** JBLearning Courses (This is the name instructors see when adding content to a course. The name in the screenshot is just a recommendation.)
- **URL:** [https://lti.jblearning.com/lti\\_1\\_3/deep\\_link](https://lti.jblearning.com/lti_1_3/deep_link)
- **Type:** Select **Deep Linking QuickLink** from the dropdown menu options. Recommended dimensions of Width and Height are **1200x700**.

Click **Save and Close**

The screenshot shows the 'Create Link' form with the following fields and values:

- Enabled:** A toggle switch is turned on.
- Name \*:** JBLearning Courses
- URL \*:** [https://lti.jblearning.com/lti\\_1\\_3/deep\\_link](https://lti.jblearning.com/lti_1_3/deep_link)
- Description:** (Empty text area)
- Type:** Deep Linking Quicklink
- Width:** 1200
- Height:** 700
- Substitution Parameters:** (Section with a red arrow pointing to the 'Save and Close' button)

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**.

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**Pass Key:**

Submit

Upon clicking on Submit, please enter the following values in the fields provided:

- **Client ID:** Enter the Client ID that was generated in the Register Application process.
- **Base URL:** Enter your institution specific Brightspace URL,

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e.g., <https://myinstitution.brightspace.com>. Replace highlighted section with your institution's Brightspace URL.

- **Login Authorization Endpoint:** Enter the **Brightspace OpenID Connect Authentication Endpoint** URL that was generated in the Register Application process.
- **JWKS Endpoint:** Enter the Brightspace **Keyset** URL that was generated in the Register Application process.
- **Access Token Endpoint:** Enter the Brightspace **OAuth2 Access Token** URL that was generated in the Register Application process.

When done, please click on **Save** button at the bottom of the page, and the integration is ready to be used.

**Edit Platform**

Name: Brightspace

Client Id: 123456789

Base URI: https://myinstitution.brightspace.com

Login Authorization Endpoint: https://myinstitution.brightspace.com/d2l/ti/authenticate

JWKS Endpoint: https://myinstitution.brightspace.com/d2l/well-known/jwks

Access Token Endpoint: https://auth.brightspace.com/core/connect/token

Buttons: Logout, Save

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