



LABYRINTH

LEARNING™

D2L Integration App – Admin Guide

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Labyrinth Learning

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Introduction

The eLab LMS integration tool (or “eLab app”) allows instructors to add single sign-on links to eLab resources such as videos, Guide Me tutorials, WebSims, and PowerPoint overview presentations to connect to a D2L course. It also enables instructors to add eLab quizzes, tests (including simulation questions), and Project Grader assignments to their D2L courses. The tool will send student grades back to the D2L gradebook.

Adding learning resources from Labyrinth eLab to a D2L course using the eLab LMS integration tool involves both the D2L administrator and the instructor. This document covers the D2L administrator setup procedure. The Instructor Guide can be found on the eLab LMS Integration page in the D2L section.

Integration Tool Setup

Setting up the eLab LMS integration tool is a three-step process, as described here.

Register eLab app with D2L

The Labyrinth eLab LMS integration tool must be registered with D2L for it to work with all D2L resources that will utilize the tool (such as production, QA, or beta sites).

This requires that you create a D2L Valence App ID / key pair for each of your D2L sites.

There are different steps to do this depending on your D2L release. If your release is prior to “10.2 Service pack 3” or “10.4.3 for delivery clients”, [then read below](#). Otherwise, for later releases, [skip to the next section](#).

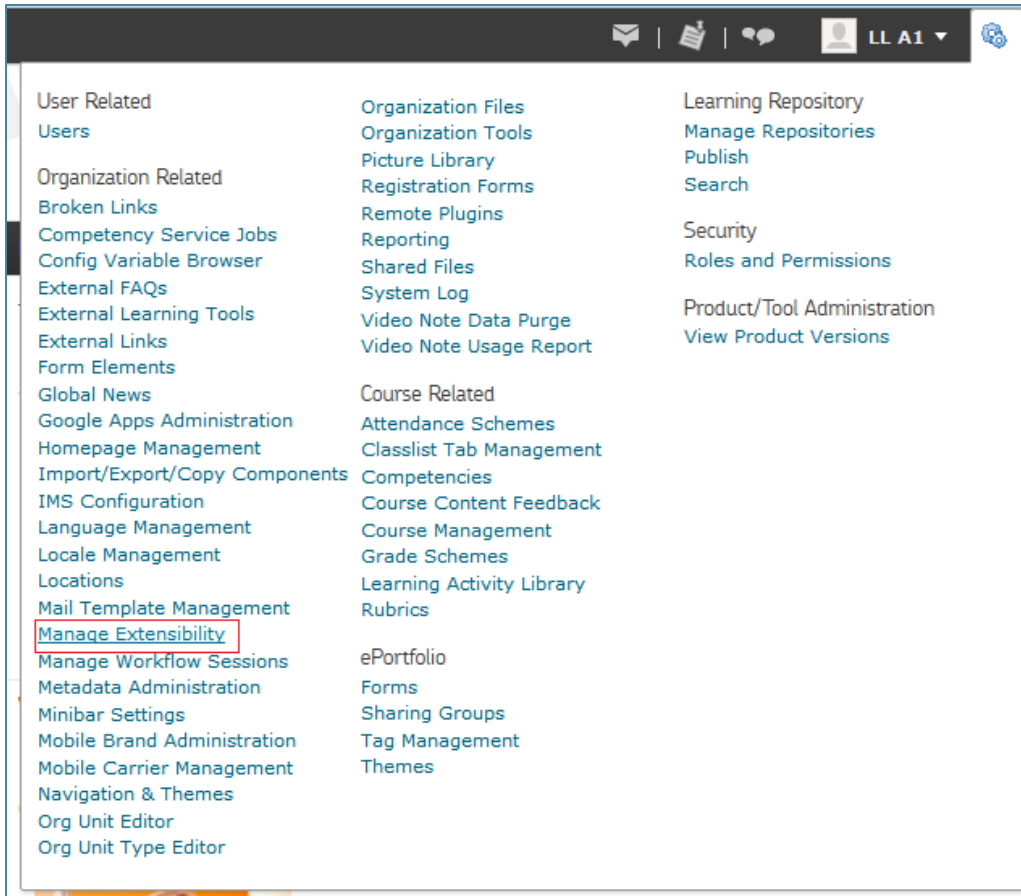
For D2L Releases prior to 10.2 Service Pack 13 and the 10.4.3 release for Delivery clients, there are two ways to do this:

1. Request the Valence key through [D2L Keytool](#)
 - a. Register the eLab app to work with all D2L servers that will utilize the app and create all necessary limited-use key/app ID pairs.
 - b. Once the registration is approved
 - i. Save all the key/app ID pair(s) to share with help@lablearning.com In [Step 2](#).
 - ii. “Sync” the key(s) with your site(s) using the Manage Extensibility function.

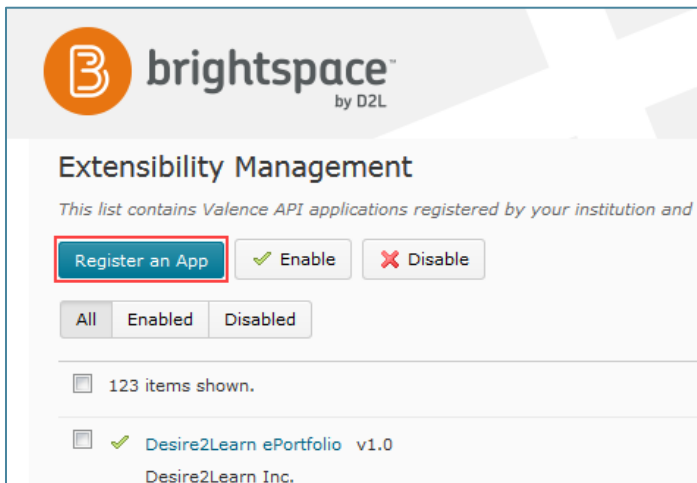
For 10.3 Service Pack 13 and the 10.4.3 release for Continuous Delivery D2L clients

You can register the eLab LMS Integration App using the Manager Extensibility admin tool.

1. Login as admin and go to **Admin > Manage Extensibility**:



2. Click the **Register an App** button:



3. Fill in the form with the following:

- a. A name for the eLab application
- b. The Trusted URL for elab – <https://lti.labyrinthelab.com/lti/lmsLogin.php>
- c. Check “Enable this application”

- d. Check and agree to D2L terms and conditions

The screenshot shows the 'Register an Application' form in Brightspace by D2L. The form is titled 'Register an Application' and has a 'brightspace by D2L' logo at the top left and 'ePortfolio' at the top right. The form contains the following fields and options:

- Application Name ***: A text input field containing 'eLab'.
- Trusted URL ***: A text input field containing 'https://lti.labyrinthelab.com/lti/lmsLogin.php'. A note below the field reads: 'This is where we will send credentials when the application asks for them. No other destination will be allowed.'
- Major Version ***: A text input field containing '1'.
- Minor Version ***: A text input field containing '0'.
- Description**: A text input field containing 'eLab D2L LMS integration application'.
- Enable this application
- I accept the Non-Commercial Developer Agreement

At the bottom of the form, there are two buttons: 'Register Application' (in blue) and 'Cancel'.

4. When finished, click the **Register Application** button.
5. The next screen should display the successful registration of the app along with the App ID/key pair for “eLab” app.
6. Save this App ID/key pair to share with help@lablearning.com in [Step 2](#).

URL, Key and Secret Request

1. Email Labyrinth technical support at help@lablearning.com and share the following information from [Step 1](#):
 - APP ID
 - APP KEY
2. Labyrinth technical support will provide you the following to use in [Step 3](#):
 - eLab LMS Integration app URL
 - LTI key
 - Secret

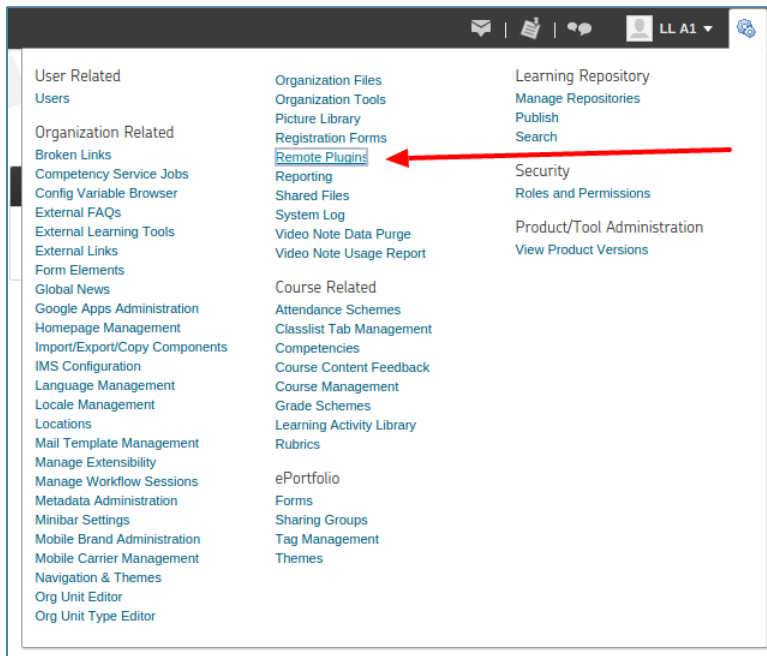
Add eLab app to D2L

Add the Labyrinth eLab app to D2L by following these three steps:

Configure a new Remote Plugin with eLab app URL

1. Sign in to D2L as an administrator.

2. Choose **Admin Tools > Remote Plugins**.



3. Click the **New Remote Plugin** button.
4. Enter details of the new remote plugin as below:
 - a. Click the **Plugin Type** drop-down arrow and choose **Course Builder**.
 - b. Paste into the **Launch Point** box, copy the eLab LMS Integration app URL provided by Labyrinth technical support in [step 2](#).
 - c. Give the plugin a **Name** such as “Labyrinth eLab resources” and enter a **Description**.

A screenshot of a web form titled 'Create a new Remote Plugin'. The form is divided into sections: 'Plugin Settings' with a 'Plugin Type' dropdown set to 'Course Builder'; 'Launch Point' with a text box containing 'https://lti.labyrinthelab.com/lti/d2l.php'; 'Secret' with an empty text box; 'Key' with an empty text box; 'Name' with a text box containing 'Labyrinth eLab Resources'; and 'Description' with a text box containing 'Labyrinth eLab LMS integration app resources'.

- d. Paste the logo URL <https://lti.labyrinthelab.com/lti/img/D2Lshowcase-LL.png> into the **Small Icon** box.
- e. Type **800** into the **Height** box to adjust the height of the app window.

- f. Click **Add Org Units** to choose which departments and/or course instructors (within your institution) will be able to access the Labyrinth eLab resources via Course Builder.

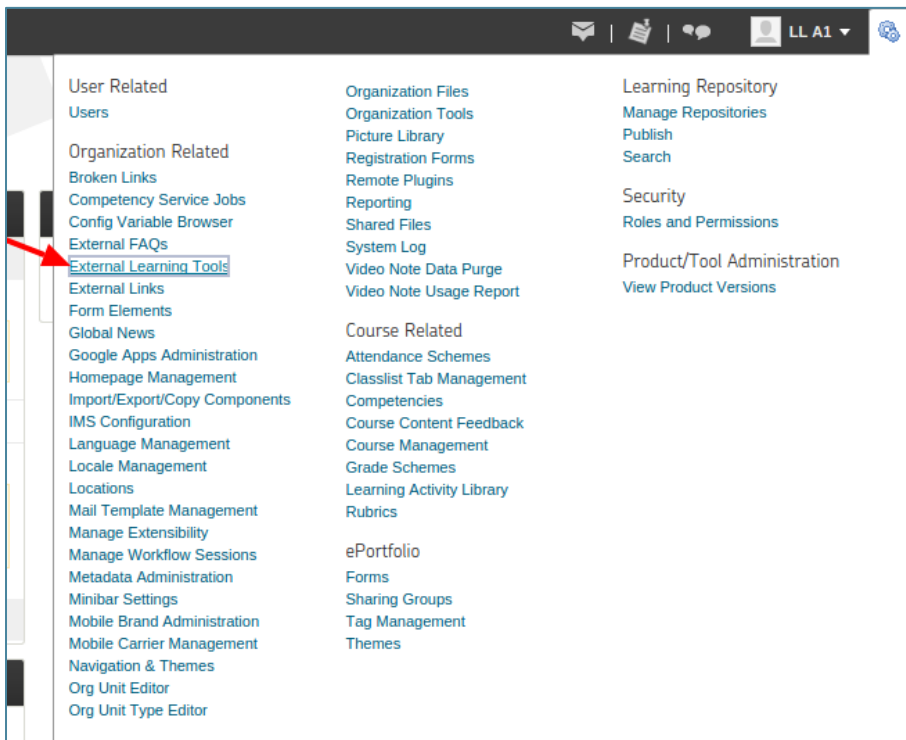
The screenshot shows a configuration form for a system test. It includes the following fields and options:

- Small Icon:** A text input field containing the URL `https://lti.labyrinthelab.com/lti/img/D2Lshowcase-LL.png`.
- System Test:** An empty text input field.
- Width:** A text input field containing the value `1,055`.
- Height:** A text input field containing the value `800`.
- Show Cancel Button:** A checked checkbox.
- Test Results:** A text label with the value `Test not passed or not run`.
- Make remote plugin available to:** A section containing a checked checkbox for `Current Org Unit: HE Brightspace` and an **Add Org Units** button.

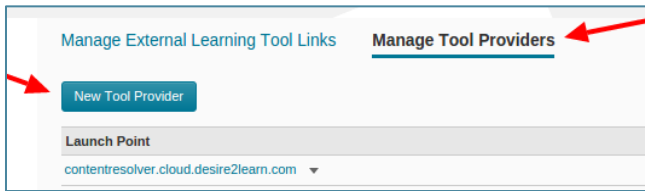
When you're finished, click **Insert**. Then click **Save**.

Add eLab as a new Tool Provider

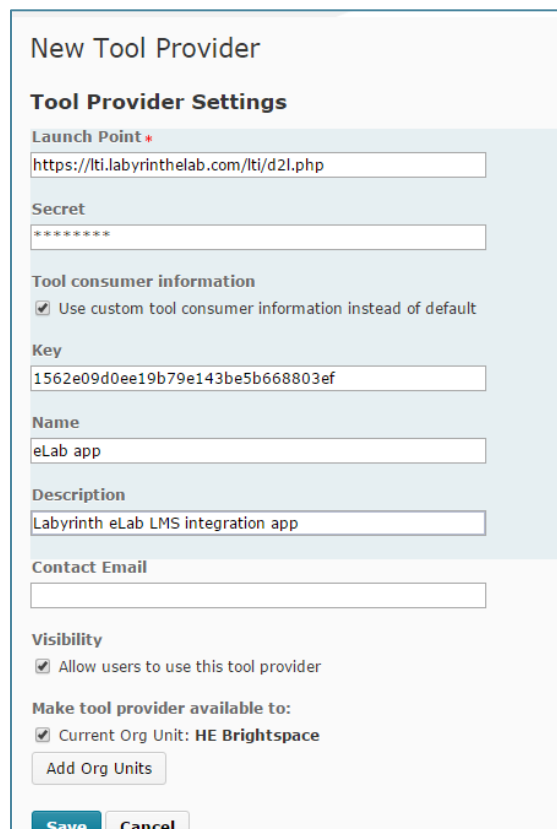
1. Choose **Admin Tools > External Learning Tools**.



2. Click **Manage Tool Providers** and then click on **New Tool Provider**.

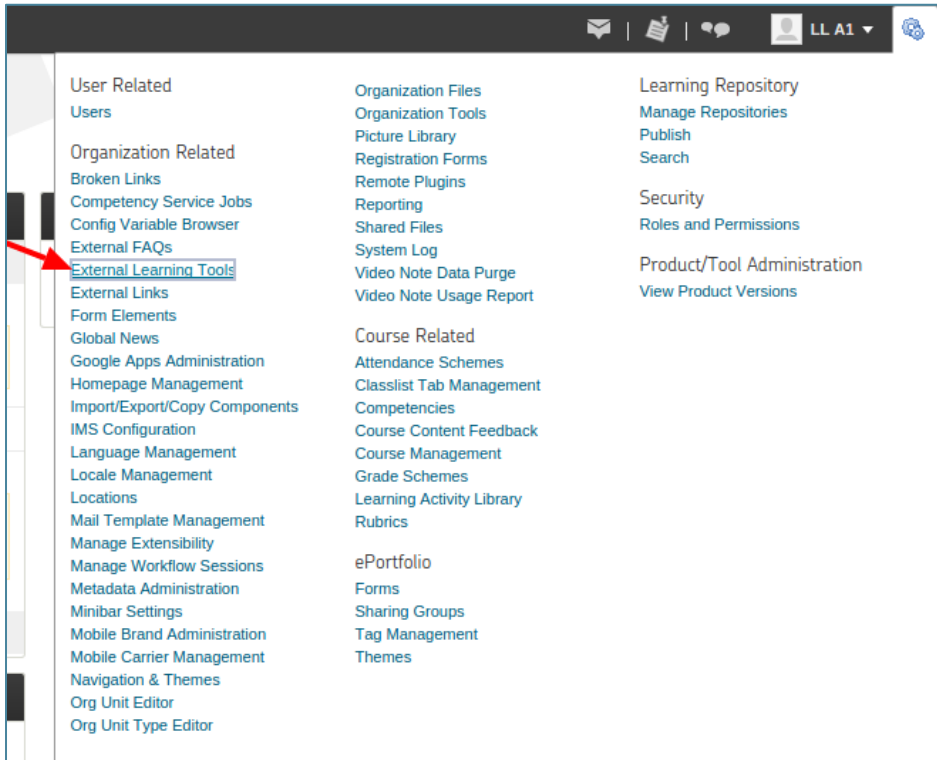


3. Fill the form with the following:
 - a. Provide the **Launch Point** as the eLab LMS Integration app URL provided by Labyrinth technical support in [step 2](#).
 - b. Enter the **Secret** and **Key** provided by Labyrinth technical support in [step 2](#)
 - c. Under **Tool Consumer information**, check **Use custom tool consumer information instead of default**
 - d. Provide a **Name**, **Description** for the eLab app
 - e. Under Visibility section, check **Allow users to view this link**

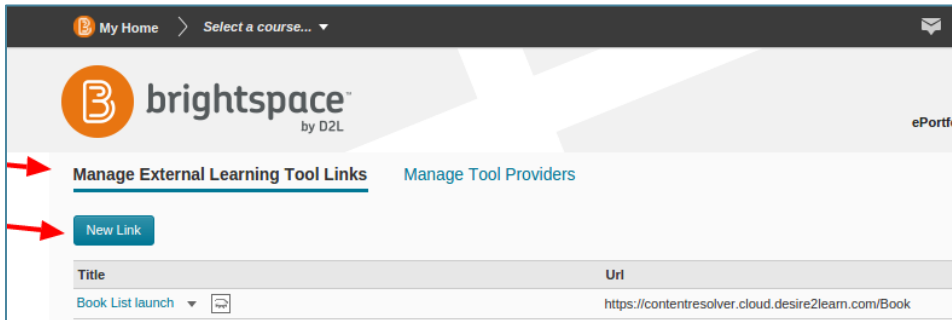


Configure eLab app as a new external learning tool

1. Choose **Admin Tools > External Learning Tools**.



2. Now click on **Manage External Learning Tool Links** and then **New Link**



3. Fill the form with the following:
 - a. Provide a **Title** for the launch link such as “Labyrinth eLab launch”
 - b. Enter in **URL** the eLab LMS Integration app URL provided by Labyrinth technical support in [step 2](#).
 - c. Provide a **Description** for the launch link for eLab app
 - d. Under Visibility section, check **Allow users to view this link**

- e. Under Key/Secret section, check **Sign messages with key/secret with**.
- Click the **Link key/secret** radio button.
 - Copy and paste the **Key** and **Secret** provided by Labyrinth in [step 2](#).


New Link

Properties

Title *
Labyrinth eLab launch

URL *
https://lti.labyrinthelab.com/lti/d2l.php

Description

 Paragraph

eLab D2L app

Visibility

Allow users to view this link

Key/Secret

Signature

Sign messages with key/secret with

Tool consumer key/secret

Link key/secret

Key
1562e09d0ee19b79e143be5b668803ef

Secret

4. In the **Security Setting** section, ensure these options are checked (in addition to all existing ones):
 - a. Send tool consumer information to tool provider
 - b. Send context information to tool provider
 - c. Send user ID to tool provider
 - d. Send username to tool provider
 - e. Send user email to tool provider

Security Settings

- Send tool consumer information to tool provider
- Send context information to tool provider
- Send user ID to tool provider
- Send user name to tool provider
- Send user email to tool provider
- Send link title to tool provider
- Send link description to tool provider

Make link available to:

- Current Org Unit: **HE Brightspace**

5. Click **Save**.

That's it! The Labyrinth app is now ready for your instructor(s) to use!