Using the eLab LMS Integration Tool in a Canvas Course

Introduction

The eLab LMS integration tool allows educators to add single sign-on links to eLab resources such as videos, Guide Me tutorials, WebSims, and PowerPoint overview presentations to Canvas courses. It also enables adding eLab quizzes, tests (including simulation questions) and auto-graded assignments to Canvas courses. The tool will automatically send learner grades back to the Canvas gradebook.

This guide is designed to lead educators through the process of setting up the integration and adding course resources.

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Setting Up the eLab LMS Integration Tool

Setting up the eLab LMS integration tool is a three-step process.

STEP 1: Generate a New Access Token for the eLab App

The Labyrinth eLab LMS integration tool requires a unique access token from Canvas for each Canvas site that will utilize the tool (such as production, test, QA, or beta sites). This requires that educators create a new access token for each Canvas site.

If your Canvas LMS administrator has provided a unique access token for eLab, then skip to the next step.

Otherwise, follow these steps to generate a new access token:

1.1. Log in to your Canvas site as an instructor.
1.2. Choose Account > Settings.
1.3. Scroll down and click New Access Token.
1.4. Fill in the Purpose for this token, such as “Labyrinth eLab.”
1.5. Do not set an expiration date and leave Expires blank.
1.6. Click **Generate Token**.

*The access token will be generated and displayed in the next screen.*

1.7. Save the access token in a note or Word document.

Note! If you close the page or pop up without saving the access token, you WILL NOT be able to retrieve it. In such a case, you will need to generate a new access token by repeating the preceding steps.

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**STEP 2: Connect with Labyrinth Support to Retrieve Setup Information**

2.1. Submit an [online request here](#) or email Labyrinth technical support at [help@labyrinthlab.com](mailto:help@labyrinthlab.com).

2.2. In your message, enter the following information from **Step 1**:

- Access token
- LMSID (request URL) of your Canvas site(s)

*Please ensure that you share distinct access token and LMSID for each Canvas sites (production, test, QA, or beta) in which you want to use the eLab app.*
Labyrinth technical support will process your request and reply to you with the following information for each of your Canvas site(s) to use in Step 3:

- Consumer Key
- Shared Secret
- Config URL

**STEP 3: Add the eLab App to Canvas**

Once you receive confirmation from Labyrinth technical support along with the Config URL, Consumer Key, and Shared Secret, add the Labyrinth eLab app to a Canvas site by following these steps.

3.1. Log in to your Canvas site as an instructor.

3.2. Navigate to the course you want to add eLab resources in and click **Settings**.

3.3. Choose **Apps > View App Configurations**.

3.4. Click **+App**.
3.5. In the Add App pop up, enter the information as indicated:
   a. Choose **By URL** in the Configuration Type box.
   b. Type a name, such as *Labyrinth eLab*, in the Name box.
   c. Enter the consumer key, shared secret, and config URL provided by Labyrinth technical support in **Step 2** into the appropriate boxes.

3.6. Click **Submit**.

   *You should now see the eLab app in your app list.*
That’s it! The eLab app is now ready for to use.
Adding eLab Content to Your Canvas Course

Adding eLab resources to your Canvas course is a straightforward process. Before you begin, please note the prerequisites indicated here.

- The eLab app for your course must be set up as explained in the section above.
- You must be registered at Labyrinth eLab as an Instructor and have already created your eLab master course, including setting up tests and assignments. The eLab Instructor User Guide can be found on the eLab User Guide page under Help > User Guides.

Add eLab Resources to Your Canvas Course

1. Go to Your Canvas Course and Select the eLab App
   1. Log in to your Canvas account as instructor
   2. Navigate to the Canvas course to which you wish to add eLab resources and click Modules.

3. If no module exists, click on +Module to create a new one.
4. Navigate to any module and click the plus sign on the right side of the screen.

5. In the Add Item to Module pop up, choose External Tool from the drop-down menu.

6. Among the External tools listed, select the eLab app using the name specified in step 3.

2. **Log In to Your eLab Instructor Account from Within Canvas**

   You will now see the Link Resources From External Tool window.

7. The first time you access the eLab app, you will be asked to log in. Enter your eLab login and password, and then click Validate Me.
8. Select the category, such as Instructor Category, in which you have your eLab course.

9. You will now see a list of courses in the selected category. Choose the course you set up in eLab and wish to add resources from.

You’re in your eLab course!

3. **Choose the Labyrinth eLab Resources to Add to Your Canvas Course**

You can now view a list of all the resources in your eLab course including lessons, videos, assignments, and quizzes. All non-assessment content is in the left-hand window, while any assessment that can be graded is in the right-hand window.

10. Scroll down in each window, as needed, to locate and select the content you wish to add to your Canvas course.
4. **Specify Which Resources Should Send Grades to Canvas**

11. If you do not want certain eLab assessments to appear in the Canvas gradebook, un-check AG for these in the right-hand window. All selected assessments will be added to your Canvas course and only those for which AG was left checked will appear in the Canvas gradebook.

5. **Add Labyrinth eLab Resources Added to Canvas**

12. When you’re finished selecting resources, scroll to the top of the window and assign a name to the selections you’ve just made available to your students.

13. **Click Save.**

   ![Diagram showing resource selection and assignment](image)

   - **Resource Name:** Labyrinth
   - **CONTENT**
     - ECS2 ECS2 ESSENTIAL COMPUTING SKILLS

   *The name you choose will appear as the prefix in each eLab resource link that your students will see, so make sure it relates to the content!*
Tip! If you’ve put all course content in one place, you might use the name of the textbook or simply “Labyrinth.” If you’re choosing content chapter by chapter, you might choose a more specific name.

6. View the eLab Resources Added to the Canvas Course

14. After a few seconds, a confirmation screen will appear with the list of assessment you selected earlier. Close this window by clicking the “X” in the upper-right corner.

15. Click OK in the next window.

16. If you come back to the Add Item to Module pop up, close that window.

17. Refresh your browser to reload the Canvas web page and see the newly added eLab resources.

Congratulations! Your Canvas course is now updated with eLab resources.

Publish Added eLab Resources in Your Canvas Course

Chosen eLab content is placed in your Canvas course in a new module. The name of the module is the same as you specified as the resource name above.
All newly added eLab resources are unpublished by default and so are not available to your students. To publish, click the **Publish** icon next to the resource. Alternatively, if you want all resources in a module to be published, click the Publish icon for the module.

You may also drag and drop the eLab resource into desired alternative course module anytime.

**Learn More About Added eLab Resources**

Chosen eLab content is placed in your Canvas course as described here.

- All non-assessment content, such as videos, Guide Me tutorials, WebSims, and PowerPoint presentations, are available via a single link in Canvas. This link opens a new window to navigate and choose resources.
- All assessment content, such as tests, quizzes, and assignments, are placed in Canvas as individual links.
Learn More About Added eLab Assessments and Quizzes

Grade Columns
Grade columns are created automatically in your Canvas gradebook for added eLab assessment resources with AG checked.

Note! DO NOT create gradebook columns for your eLab assignments and tests or you will find duplicate columns in your gradebook!

Total Points
Total points specified in eLab for assessments are set as total points in Canvas initially. If you wish to change total points for any assessment, make the changes in both eLab and Canvas. If you make a change in just one of the two places, then your students will see different total points and scores in eLab begin test and results screens within Canvas.

If the total points are different in eLab and Canvas, then the percentage score achieved in eLab will be applied to the total points set in Canvas to determine the points scored by the student. For example, a quiz in eLab may have 20 points but you may set its total points in Canvas as 40.
When a student takes this quiz from Canvas and scores 75% correct, she will see 15/20 points and 75% on the results screen coming from eLab. However, when the student views her Canvas gradebook, she will see 30/40 and 75%. To avoid such a confusion, please ensure that you update total points in both eLab and Canvas at the same time.

**Changing Student Scores**
To change a student’s score, make the changes in Canvas gradebook. Currently, changes made in the eLab gradebook cannot be pushed by you into Canvas. We are working towards building this capability in eLab for you in future.

**Due Dates**
Due dates from eLab are not carried into Canvas at the time of resource addition. These due dates need to be set in Canvas. It is recommended that no due dates are set for assessments in the eLab instructor course. This is to avoid confusion among students if the due dates in eLab differ from those in Canvas, since eLab will display Due Open and Due Close dates on the start page of an assessment.
Viewing eLab Content in Your Canvas Course

Student View
If you want to see what your students will see in their course, just follow these steps.

1. Log in to your Canvas account as instructor and open your course.
2. Navigate to the module with eLab resources and click the desired eLab content.
3. Click View as Learner in the window that appears.

You can now view the added eLab resource from within Canvas exactly as your students do.
Student Process
Once your course is ready to go, students will be able to access all eLab resources, such as videos, Guide Me tutorials, WebSims, assignments, and assessments, directly from within your Canvas course. This section describes how to instruct students on how to access eLab resources in Canvas.

Registering eLab license key, one-time
When a student clicks an eLab resource link in the Canvas course, she will be asked to provide an eLab license key to access eLab resources.

Tip! Students sign in to eLab one time only! They will not be asked to sign in a second time.
The license key needs to be provided by you if you have bought an institutional license key for eLab for your entire class. Otherwise, the student can purchase it from Labyrinth either with the book or by itself. Additional information is available in the eLab Student User Guide.

After registering the eLab license key from within the Canvas course one-time, students can access any eLab resource by clicking on it from Canvas course.

**Accessing Non-Graded eLab Content**

When a student opens a link to multiple resources (everything chosen from the right hand window when adding eLab resources to Canvas), she will see the list of links to the resources from within the Canvas course.
This window also contains instructions on how to navigate through those resources.

At any point, students can navigate back to the list of eLab resources by clicking the yellow Menu tab and choosing the desired link.

**Accessing eLab's Assessment Content**
eLab assignments and quizzes appear in Canvas as individual links. A student just needs to click on the assignment or quiz to begin work.
Note! Total points and due dates show in eLab views reflect the settings in your eLab instructor course and not those in Canvas. To avoid confusion among students, ensure total points match across Canvas and eLab. Do not set due dates in eLab; instead, configure dates in Canvas. Instruct your students to use the dates set in Canvas.
Getting Technical Support
Our technical support representatives are ready to answer any questions or concerns you may have regarding technical problems with eLab. All inquiries received will be answered within twenty-four business hours, although most are answered within four hours during normal support hours.

Please submit your query online here. Include detailed information (such as step numbers and screenshots, if applicable) to help ensure quick resolution.

Toll Free: 1-888-426-0008

Technical Support hours: Monday through Friday from 8:00 AM to 6:00 PM Eastern Time

We are closed on weekends.