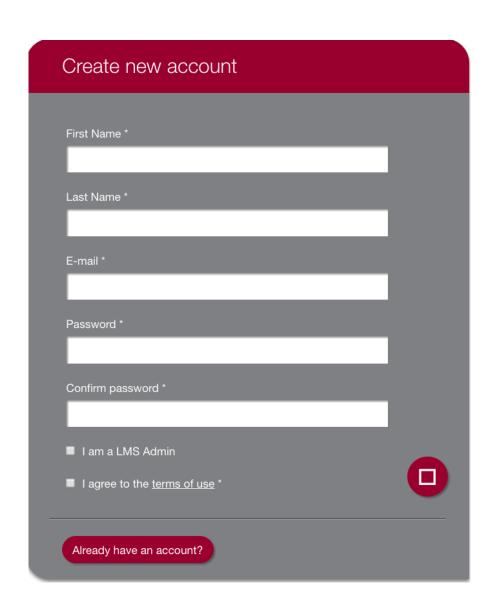# LMS Configuration

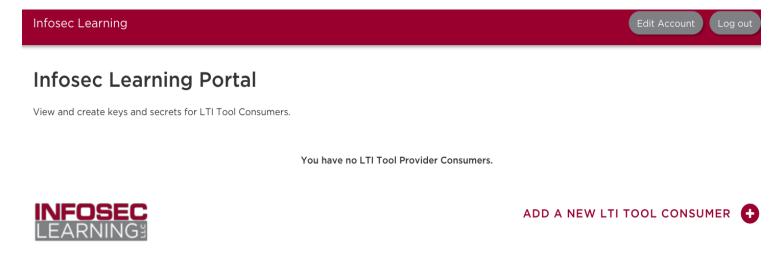## Generating a Key and Secret (for an LMS Admin)

A key and secret are required in order for Infosec Learning and an LMS to exchange user data. You will generate the key and secret using the Infosec Learning Portal.

1. If you do not already have an account, register going to **https://lab.infoseclearning.com/user/register**. Be sure to check the "I am a LMS Admin" box.

Create new account

First Name *

Last Name *

E-mail *

Password *

Confirm password *

☐ I am a LMS Admin
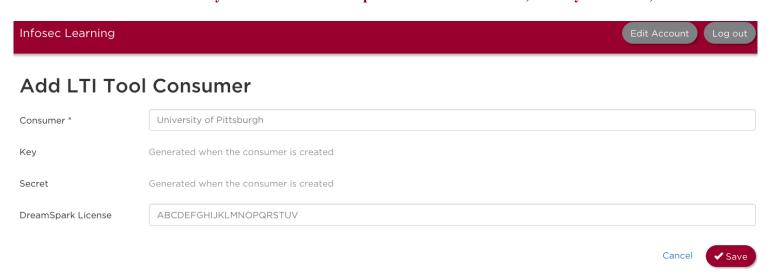
☐ I agree to the terms of use *

Already have an account?

2. You will receive an email with instructions for activating your account. After your account has been activated, you will be able to login.

3. To create a Key and Secret for a new LTI tool provider consumer, click "Add a new LTI Tool Consumer".

Infosec Learning   Edit Account   Log out

Infosec Learning Portal

View and create keys and secrets for LTI Tool Consumers.

You have no LTI Tool Provider Consumers.
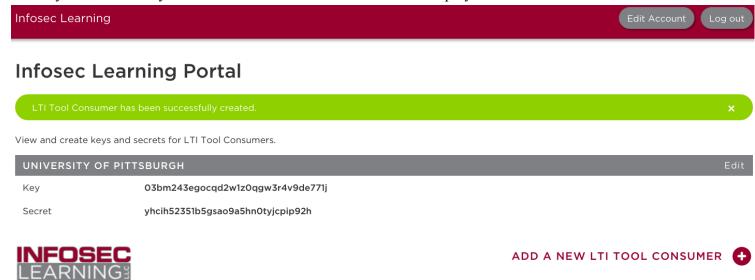

ADD A NEW LTI TOOL CONSUMER ➕

4. On the "Add an LTI Consumer" screen, enter your organization's name, DreamSpark License, and click "Save" to create the new LTI tool consumer and return to the Portal.

NOTE: it is not necessary to enter the Dreamspark license to continue, but if you have it, awesome.

Infosec Learning   Edit Account   Log out

Add LTI Tool Consumer

Consumer *	University of Pittsburgh
Key	Generated when the consumer is created
Secret	Generated when the consumer is created
DreamSpark License	ABCDEFGHIJKLMNOPQRSTUV

Cancel   ✔ Save

5. The key and secret for your new LTI tool consumer will now be displayed.

Infosec Learning

Edit Account · Log out

Infosec Learning Portal

LTI Tool Consumer has been successfully created. ✕

View and create keys and secrets for LTI Tool Consumers.

UNIVERSITY OF PITTSBURGH	Edit
Key	03bm243egocqd2w1z0qgw3r4v9de771j
Secret	yhcih52351b5gsao9a5hn0tyjcpip92h

ADD A NEW LTI TOOL CONSUMER ➕

Editing an LTI Tool Consumer Name

1. To edit the name of an LTI consumer, click the "Edit" link located next to the name of the LTI tool consumer to go to the LTI tool consumer edit screen.

Infosec Learning Portal

View and create keys and secrets for LTI Tool Consumers.

UNIVERSITY OF PITTSBURGH	Edit
Key	03bm243egocqd2w1z0qgw3r4v9de771j
Secret	yhcih52351b5gsao9a5hn0tyjcpip92h

ADD A NEW LTI TOOL CONSUMER ➕

2. On the "Edit an LTI Tool Consumer" screen, change the name of the LTI tool consumer, then click "Save" to return to the Portal.
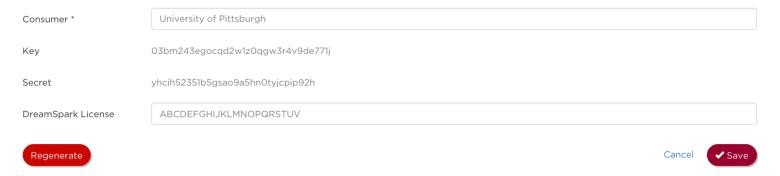
Edit an LTI Tool Consumer

Consumer *	University of Pittsburgh
Key	03bm243egocqd2w1z0qgw3r4v9de771j
Secret	yhcih52351b5gsao9a5hn0tyjcpip92h
DreamSpark License	ABCDEFGHIJKLMNOPQRSTUV

Regenerate   Cancel   ✔ Save

Regenerating a Key and Secret

1. To regenerate the key and secret for an LTI tool consumer, click the "Edit" link located next to the name of the LTI tool consumer to go to the "Edit an LTI Tool Consumer" screen.

2. From the "Edit an LTI Tool Consumer" screen, click the "Regenerate" button.

Edit an LTI Tool Consumer

Consumer *	University of Pittsburgh
Key	03bm243egocqd2w1z0qgw3r4v9de771j
Secret	yhcih52351b5gsao9a5hn0tyjcpip92h
DreamSpark License	ABCDEFGHIJKLMNOPQRSTUV

Regenerate   Cancel   ✔ Save

3. You will be asked to confirm that you wish to regenerate the key and secret, and make the existing key and secret invalid. Click "Regenerate" to proceed.

4. You will be returned to the Portal, and the LTI tool consumer will now have a new key and secret.

1. Click **Modules** in the course navigation. Locate the module to which you wish to add an instance of the Infosec Labs LTI.
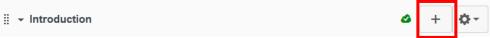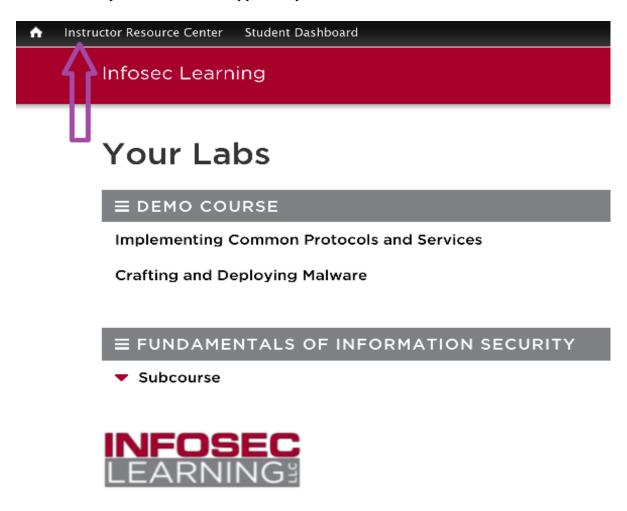2. Click the **Add** ("+") button to the far right of the module title.

Figure 5: Add Item to Module

3. Enter or select the following values:
   a. Add: Select **External Tool** from the dropdown list.
      i. Select **Infosec Labs** from the list of tools.
   b. URL: Replace the information in this field with the Course LTI URL. The individual Course LTI URLs can be found in the Instructor Resource Center. These instructions should also appear in the list of external tools since you added it to the app description in the last section.

c. Simply select the course you would like the Course LTI URL for. Once you do this all the information will populate.

Course Information

Fundamentals of Information Security ▾

Course Name: Fundamentals of Information Security

Course ID: OVESIAOLVZ

Course LTI URL: https://staging.infoseclearning.com/lti?course=OVESIAOLVZ

Resources	Lab LTI URLs	Discussion Key	Challenge Lab Answer Key

d. Page Name: Infosec Labs
e. Load in a new tab: Check this box
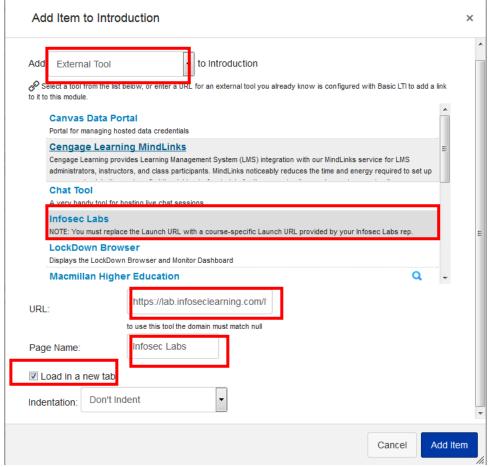f. Indentation: Set your preference

Figure 6: Configure External Tool

4. Click **Add Item**.
5. You can test this by following the below steps.

   - Logging out of the Infosec lab environment and closing the browser window.
   - Click the link to the labs that you just created in your course.
   - Once the lab is clicked and it opens in a new window, you should see the lab home page or the specific lab you linked it.