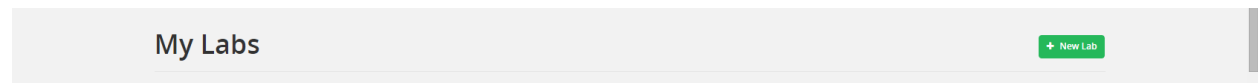


Thoth LabStudio Tutorial

This tutorial tells you how to create a new Lab in edXStudio, upload the content and publish your content so it can be visible to others.

After you log in to the edXStudio, you will see an icon “New Lab” on the right side of your screen. Click on this icon.

Creating New Lab



Now you will be directed to a screen where you can input details to create a new Lab as shown below and click on the “Create” button below. Fields marked with “*” are the required fields. The Lab ID should be unique for each Lab, otherwise you will get an error.

Lab Studio

My Labs + New Lab

Here are all of the labs you currently have access to in Studio:

Create a New Lab

Lab Name *

Cross Site Scripting Lab

The public display name for your Lab. This cannot be changed, but you can set a different display name in Advanced Settings later.

Organization *

ASU

The name of the organization sponsoring the lab. **Note: This is part of your Lab URL, so no spaces or special characters are allowed.** This cannot be changed, but you can set a different display name in Advanced Settings later.

Lab ID *

SSC_01

The unique name or number that identifies your Lab within your organization for index. **Note: This is part of your Lab URL, so no spaces or special characters are allowed and it cannot be changed.**

Lab Run *

2015_T1

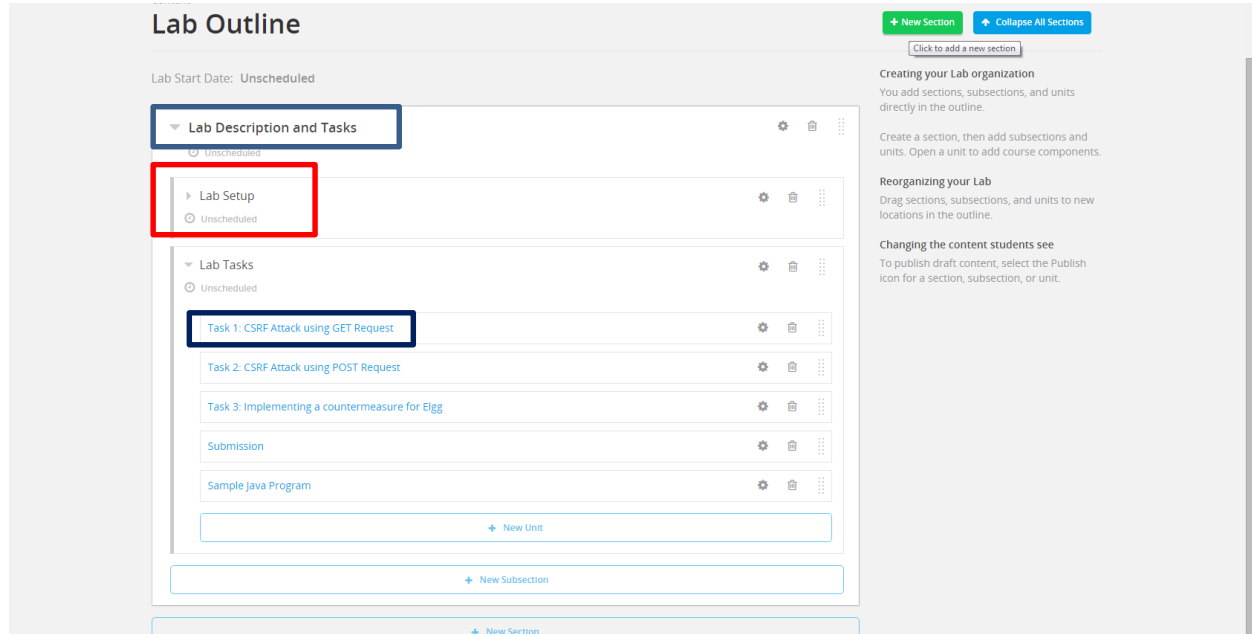
The term in which your lab will run. **Note: This is part of your lab URL, so no spaces or special characters are allowed and it cannot be changed.**

CREATE

CANCEL

Every Lab has been organized into three level hierarchy: “Section” ,”Subsection” and “Unit” as can be seen in the image.

- For instance New Section consists of broad topic for each lab: Lab Description and Tasks highlighted in blue color. This is the main heading for each lab, under which everything else is organized.
- We can then add subsections such as “Lab Tasks” and “Lab Setup”. This provides a clear demarcation of specific tasks/areas that are being grouped into subsections. E.g. Lab Setup highlighted in red color would comprise of the Lab Overview and Lab Environment. This will tell the user about the system and software requirements, number of virtual machines, and memory constraints for each individual VM. We can also specify which machine will act as a client in the environment, and attacker machine, etc.
- Under each subsection we can have several Units as can be seen below. For E.g. we will have all the tasks listed as individual units under the Lab Tasks subsection highlighted in black color below. These tasks would deal with the individual parts of the assignment that student/user would perform in order to obtain credit from the instructor. These can be sequential or independent of each other.



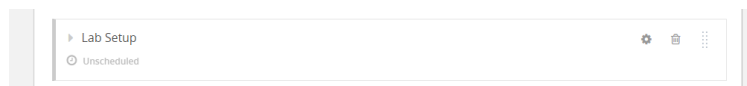
Adding a New Section

Once you click on the “New Section” you get the option of providing a name to the section as in the figure above “Lab Description and Tasks” is a section.



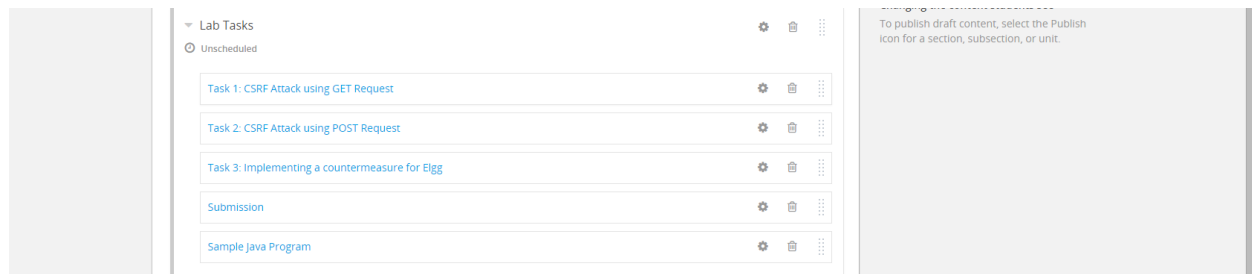
Adding a New Subsection

Once you add a section you can create a number of subsections describing the separate subtasks, for instance Lab Setup and Lab Tasks are two separate subsections. You can click on the “New Subsection” to add a subsection.



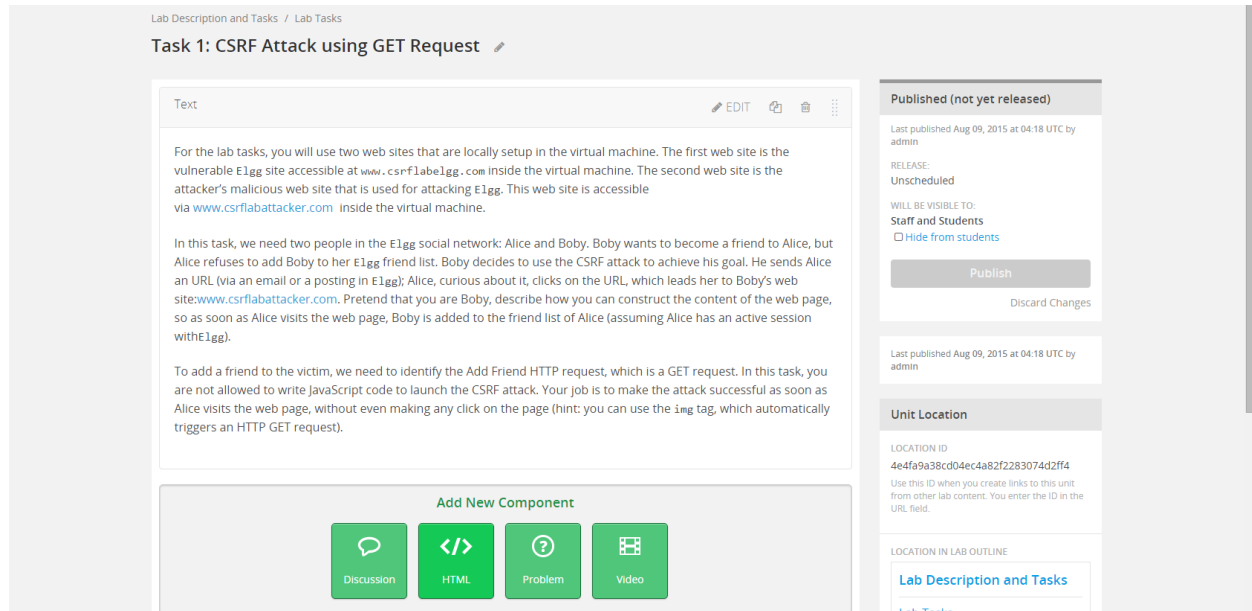
Adding a New Unit

At the lowest hierarchy is the “Unit”. This is where the content gets added. This part describes the individual parts of each sub task. E.g.- here “Task1: CSRF Attack using GET Request”, “Task2: CSRF Attack using POST Request” are the individual units for the subsection “Lab Tasks”.



Adding New Component

Once you have added a unit, you can add the content to unit. Content can be “text” or “html”. You can do this by clicking on the “Add New Component” at the bottom of the screen.



Lab Description and Tasks / Lab Tasks

Task 1: CSRF Attack using GET Request

Text

For the lab tasks, you will use two web sites that are locally setup in the virtual machine. The first web site is the vulnerable E1gg site accessible at www.csrf1abe1gg.com inside the virtual machine. The second web site is the attacker's malicious web site that is used for attacking E1gg. This web site is accessible via www.csrf1abattacker.com inside the virtual machine.

In this task, we need two people in the E1gg social network: Alice and Bobby. Bobby wants to become a friend to Alice, but Alice refuses to add Bobby to her E1gg friend list. Bobby decides to use the CSRF attack to achieve his goal. He sends Alice an URL (via an email or a posting in E1gg); Alice, curious about it, clicks on the URL, which leads her to Bobby's web site: www.csrf1abattacker.com. Pretend that you are Bobby, describe how you can construct the content of the web page, so as soon as Alice visits the web page, Bobby is added to the friend list of Alice (assuming Alice has an active session with E1gg).

To add a friend to the victim, we need to identify the Add Friend HTTP request, which is a GET request. In this task, you are not allowed to write JavaScript code to launch the CSRF attack. Your job is to make the attack successful as soon as Alice visits the web page, without even making any click on the page (hint: you can use the `img` tag, which automatically triggers an HTTP GET request).

Add New Component

- Discussion
- HTML
- Problem
- Video

Published (not yet released)

Last published Aug 09, 2015 at 04:18 UTC by admin

RELEASE: Unscheduled

WILL BE VISIBLE TO: Staff and Students

☐ Hide from students

Publish

Discard Changes

Last published Aug 09, 2015 at 04:18 UTC by admin

Unit Location

LOCATION ID: 4e4fa9a38cd04ec4a82f2283074d2f4

Use this ID when you create links to this unit from other lab content. You enter the ID in the URL field.

LOCATION IN LAB OUTLINE

[Lab Description and Tasks](#)

[Lab Tasks](#)

For E.g- once you click on the “HTML” you get the option of adding “text”, “announcement” or any other component.



Text

Announcement

Anonymous User ID

Full Screen Image

IFrame

Raw HTML

Zooming Image




Cancel

You can at any time Edit your content or delete the content by clicking on the “Edit/Delete” on the top part of the component.

Lab Description and Tasks / Lab Tasks

Task 1: CSRF Attack using GET Request

Text

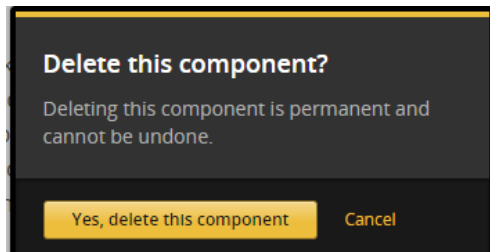
EDIT   

For the lab tasks, you will use two web sites that are locally setup in the virtual machine. The first web site is the vulnerable E1gg site accessible at www.csrf1abe1gg.com inside the virtual machine. The second web site is the attacker's malicious web site that is used for attacking E1gg. This web site is accessible via www.csrf1abattacker.com inside the virtual machine.

In this task, we need two people in the E1gg social network: Alice and Boby. Boby wants to become a friend to Alice, but Alice refuses to add Boby to her E1gg friend list. Boby decides to use the CSRF attack to achieve his goal. He sends Alice an URL (via an email or a posting in E1gg); Alice, curious about it, clicks on the URL, which leads her to Boby's web page: www.csrf1abattacker.com. Pretend that you are Boby, describe how you can construct the content of the web page, so as soon as Alice visits the web page, Boby is added to the friend list of Alice (assuming Alice has an active session with E1gg).

To add a friend to the victim, we need to identify the Add Friend HTTP request, which is a GET request. In this task, you are not allowed to write JavaScript code to launch the CSRF attack. Your job is to make the attack successful as soon as Alice visits the web page, without even making any click on the page (hint: you can use the `img` tag, which automatically triggers an HTTP GET request).

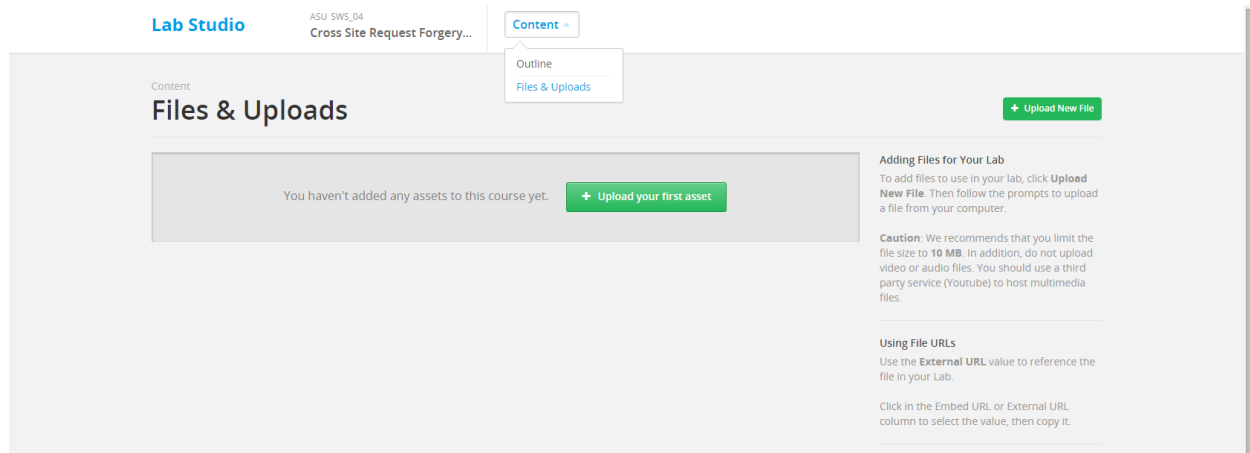
You will get a “Pop Up” as can be seen below if you want to delete the “Component”. You will get a similar popup if you want to delete “Unit”, “Subsection”, etc.



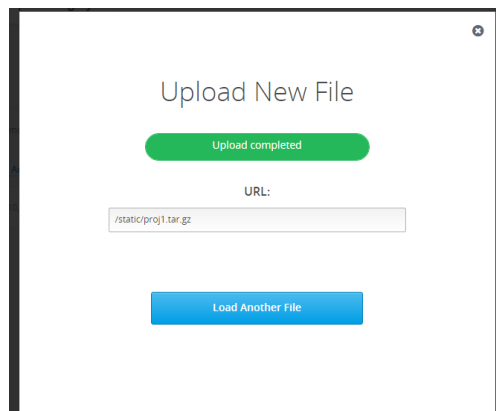
Adding Images/Files/Hyperlinks

If you want to add image in the text you will have to first upload the image or file from your PC/Storage Media and then add via it's absolute URL in text.

E.g.- Click on the “Content” on the topmost part of the Lab and then select “Files and Upload”. You can use “Upload your first asset” to upload files/images.



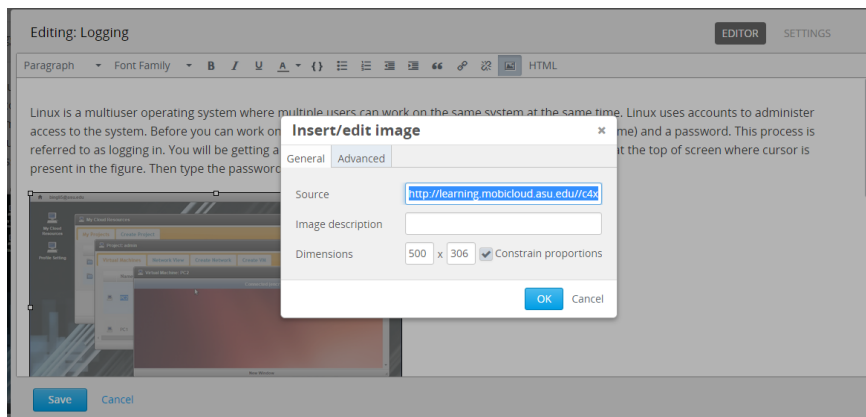
You will get option of adding multiple files as can be seen below.



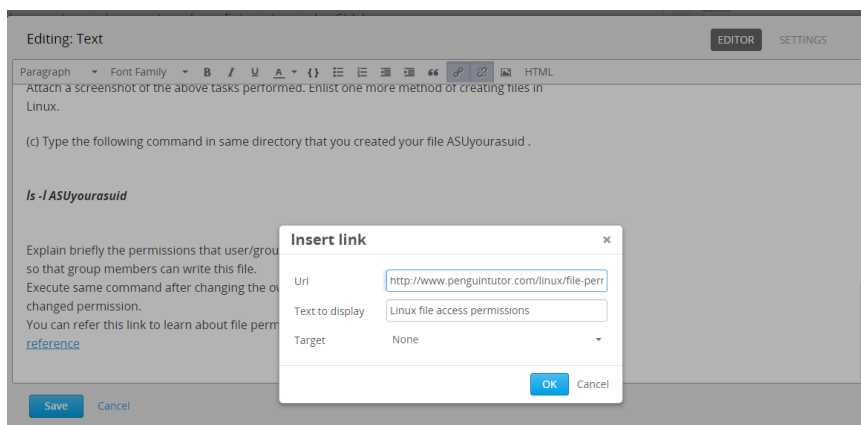
To make the image available in the text, you will need absolute URL of the image/file. E.g- In the Edit mode at Unit Level, select Insert/Edit Image option and provide the absolute URL in the source section

<http://learning.mobicloud.asu.edu//c4x/ArizonaStateUniversity/CSE434/asset/Workspace2.jpg>

You can also adjust the image size using the dimensions as can be seen below.



For adding Hyperlink, click on the Insert Hyperlink section in Edit mode at Unit level as can be seen below. Click on the “Save” button at bottom of Edit section every time you make changes.



Publishing the Content

Anytime you make changes to the content the “Publish” Icon on the right of the screen would turn “Blue”. You will have to click on the “Publish” button to publish your changes as can be seen below.

