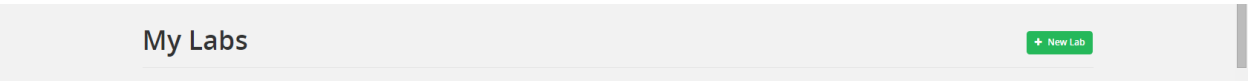
ThoTh LabStudio Tutorial

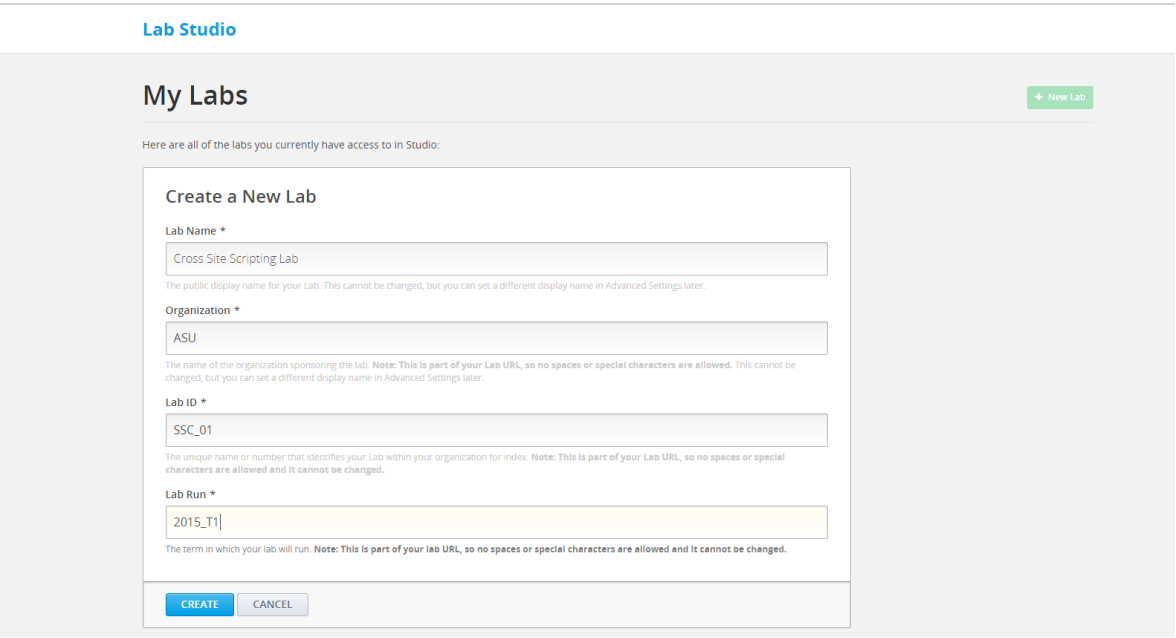
This tutorial tells you how to create a new Lab in edXStudio, upload the content and publish your content so it can be visible to others.

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.

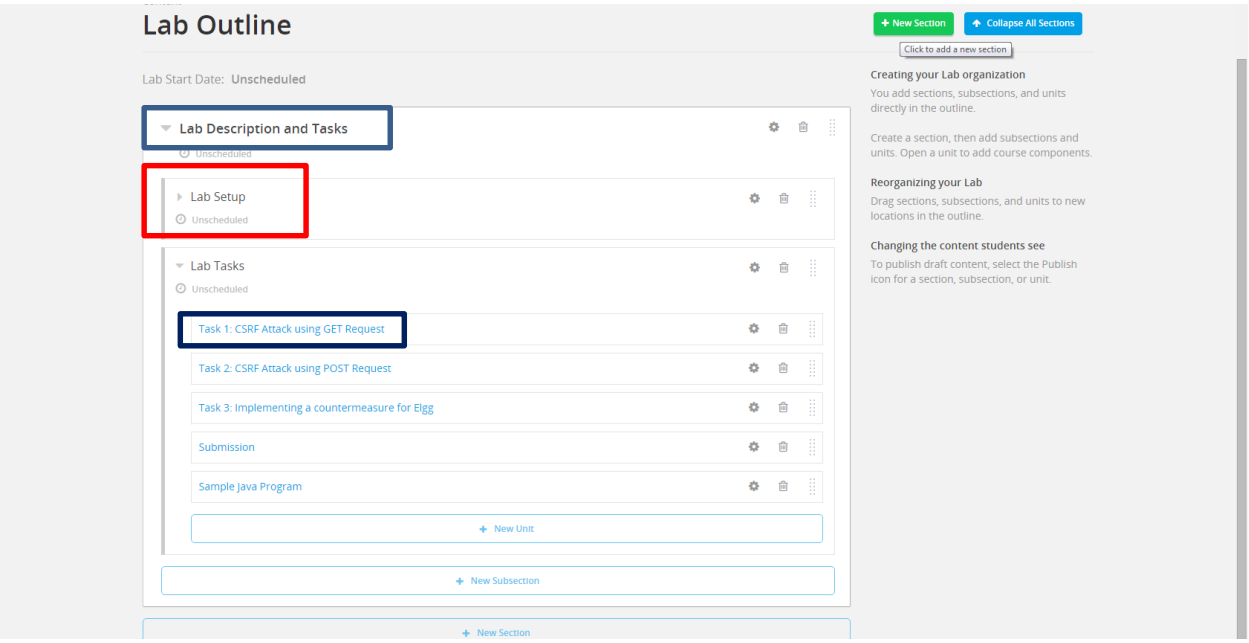


Every Lab has been organized into three level hierarchy: “Section” ,”Subsection” and “Unit” as can be seen in the image.

- 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.

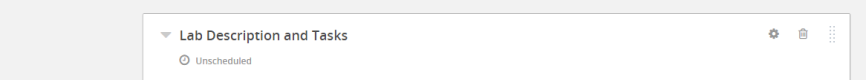
- We can then add subsections such as “Lab Tasks” and “Lab Setup”. This provides a clear demarcation of specific tasks/areas that are being grouped into subsections. E.g. Lab Setup highlighted in red color would comprise of the Lab Overview and Lab Environment. This will tell the user about the system 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.



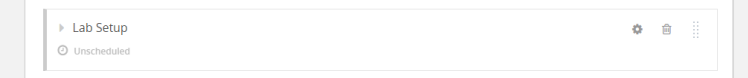
Adding a New Section

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.



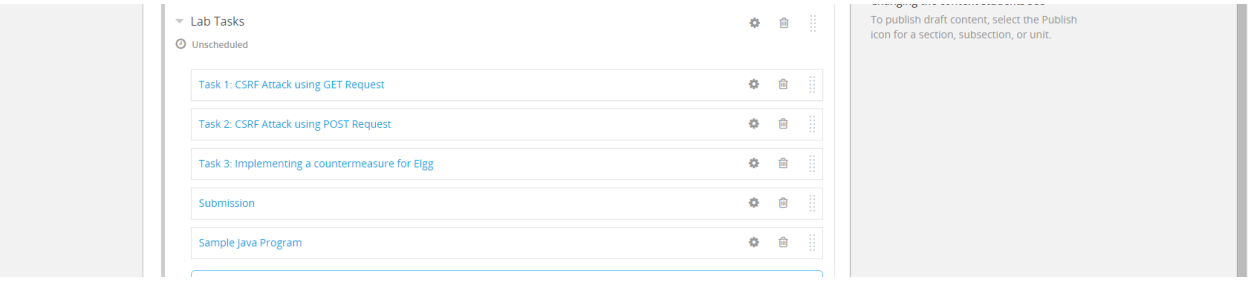
Adding a New Subsection

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.



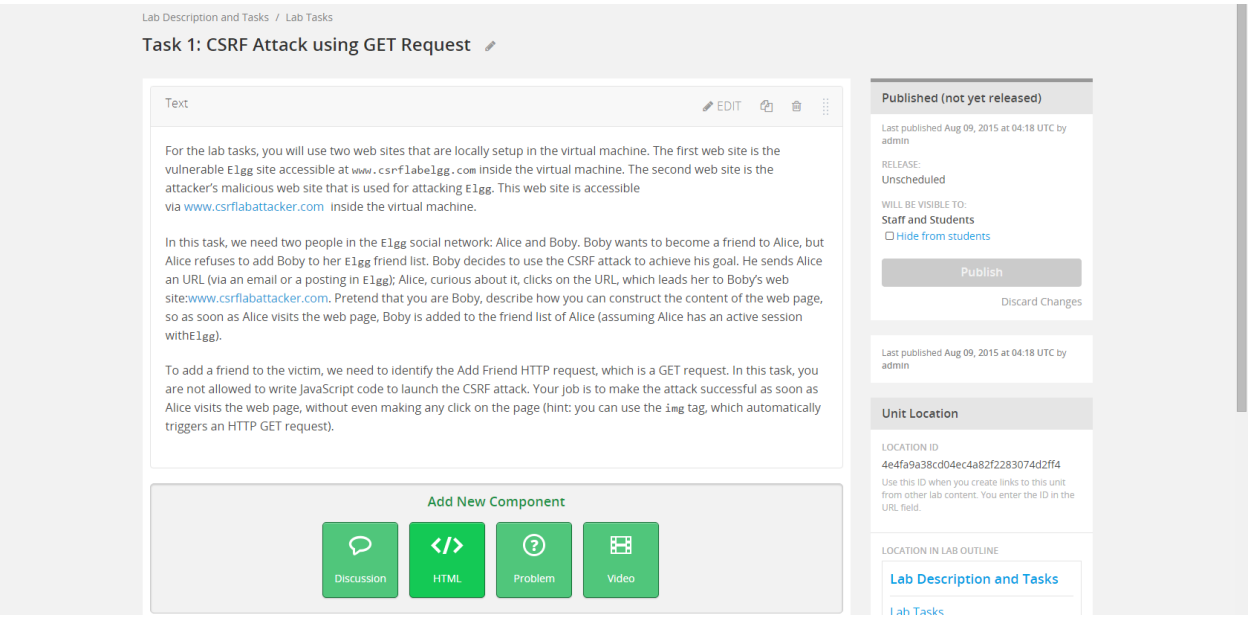
Adding a New Unit

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”.

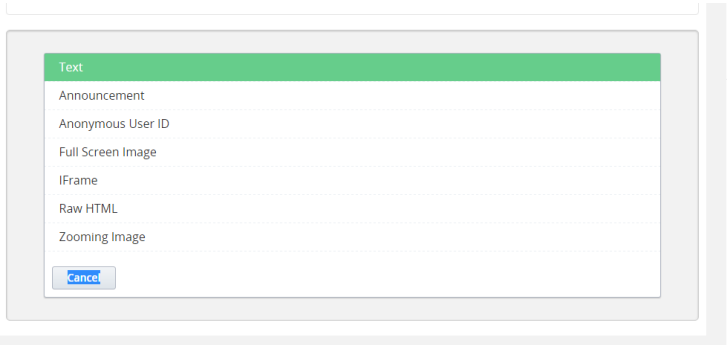


Adding New Component

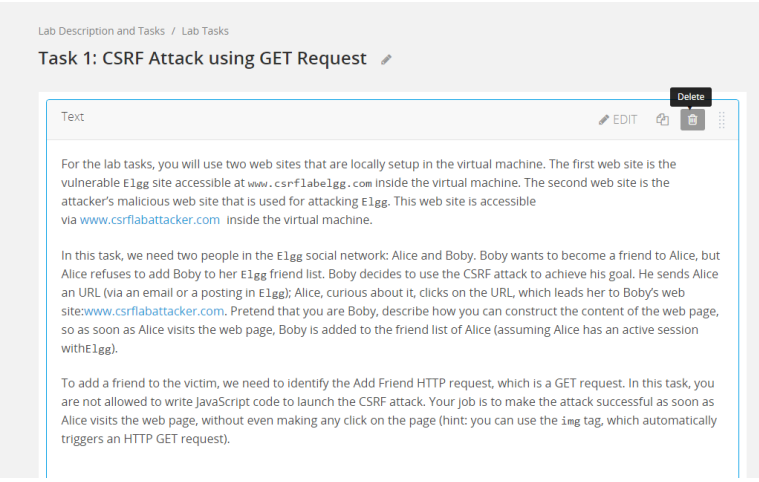
Once you have added a unit, you can add the content to unit. Content can be “text” or “html”. You can do this by clicking on the “Add New Component” at the bottom of the screen.



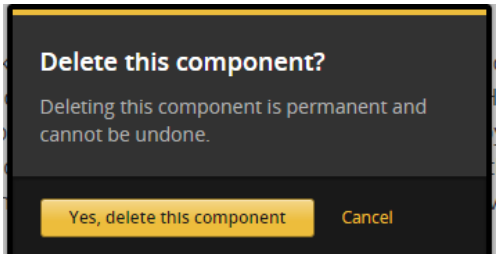
For E.g- once you click on the “HTML” you get the option of adding “text”, ”announcement” or any other component.



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.



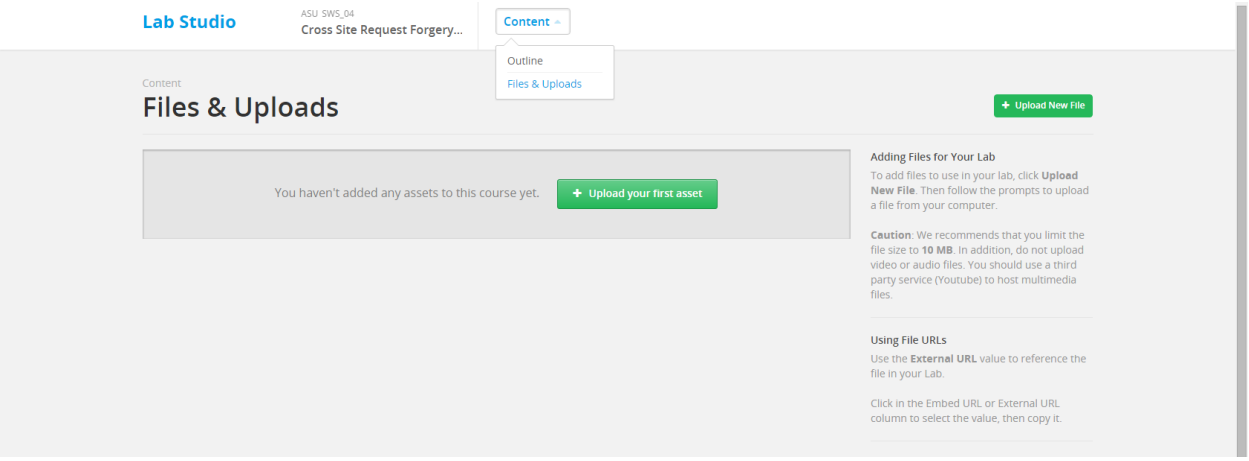
You will get a “Pop Up” as can be seen below if you want to delete the “Component”. You will get a similar popup if you want to delete “Unit”, ”Subsection”, etc.



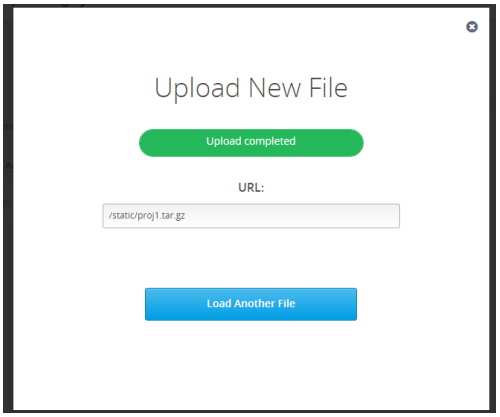
Adding Images/Files/Hyperlinks

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.

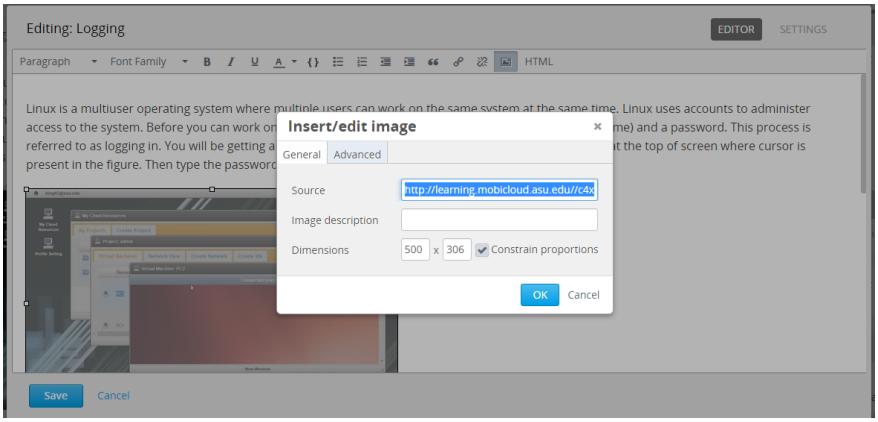


You will get option of adding multiple files as can be seen below.

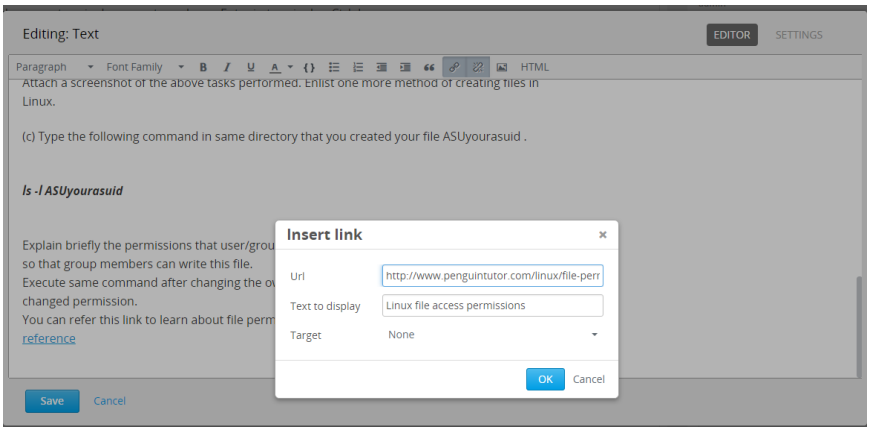


To make the image available in the text, you will need absolute URL of the image/file. E.g-
In the Edit mode at Unit Level, select Insert/Edit Image option and provide the absolute URL in the source section
http://learning.mobicloud.asu.edu//c4x/ArizonaStateUniversity/CSE434/asset/Workspace2.jpg

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.