

# Lab A

## Getting familiar with the AWS Cloud interface and creating a bucket with a folder and an image inside.

### 1. Open the Learner lab:

Click the link the 'Get Started' button from your email you received from AWS. Make **sure it's the 'Learner Lab' email invitation** and not the other Cloud Foundations one. *(If this is your first time, you may be asked to create an account before you can get started. Your email is your login name, choose a password and Mountain Time and agree to the terms and click 'Register'.)*

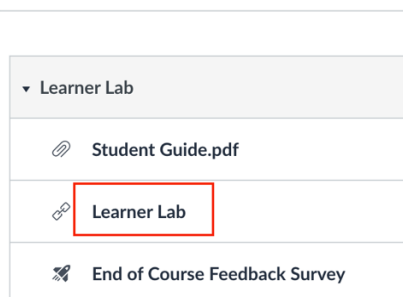
Get Started

or visit <https://awsacademy.instructure.com> and login.

'Click on the Modules' link

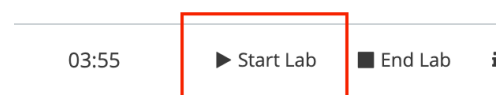


And then on 'Learner Lab' in the module.



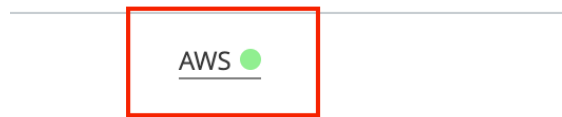
### 2. Start the Lab

Click the 'Start Lab' link



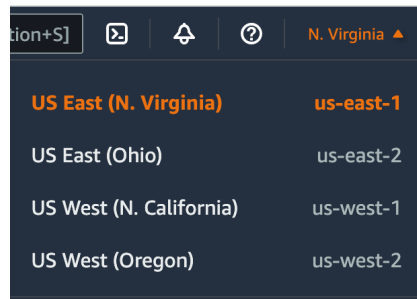
Give it some time to load.

Eventually you will see the AWS link to the left with a green circle next to it. That means the lab is ready. Click the AWS link once it has the green circle next to it.

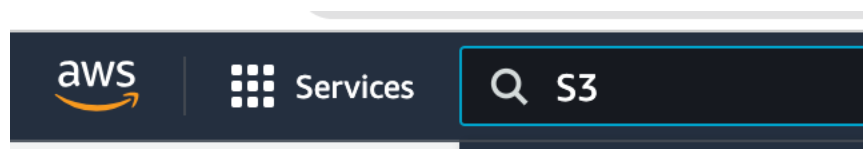


### 3. Explore some of the AWS Sandbox Interface

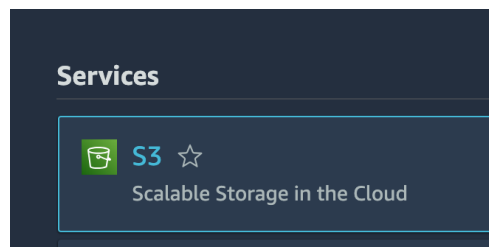
As you enter each lab, always make note of what region you are in. It will be in the upper right area near the user information. If you click the region or 'Global' you will see all the region options. For now, just leave it as whatever the default is. We will choose a region when we create a bucket later.



Notice the 'Services' icon which shows a list of all services. Next to it is the search box that you can also type in services, and they will come up. Type in S3, which stands for Simple Storage Service.



A list of services will come up with the closest to what you typed at the top. Click the blue S3 link.



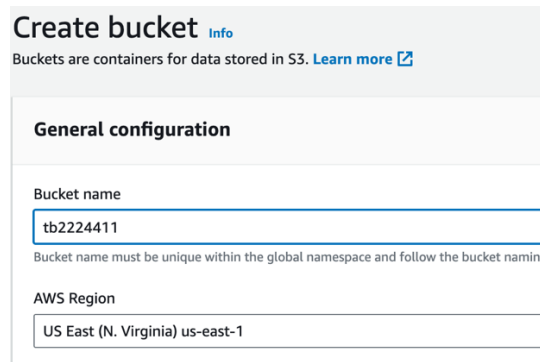
## 4. Create a bucket

Click the 'Create bucket' orange button.

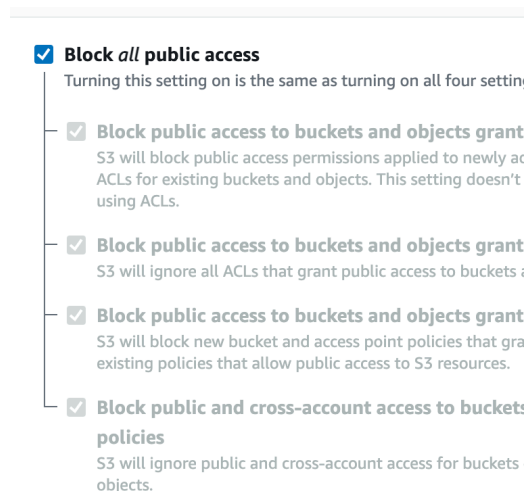


Give the bucket a unique name. It must be different from all other buckets at AWS, so get creative. Use lowercase letters, numbers, or dashes but no other characters.

You will also notice the AWS Region. Let's leave it at the 'US East (N. Virginia) us-east-1'

A screenshot of the "Create bucket" form in the AWS console. The form has a title "Create bucket" with an "Info" link. Below the title is a note: "Buckets are containers for data stored in S3. [Learn more](#)". The form is divided into sections. The "General configuration" section is visible, containing two input fields. The first is "Bucket name" with the value "tb2224411" and a note below it: "Bucket name must be unique within the global namespace and follow the bucket naming". The second is "AWS Region" with the value "US East (N. Virginia) us-east-1".

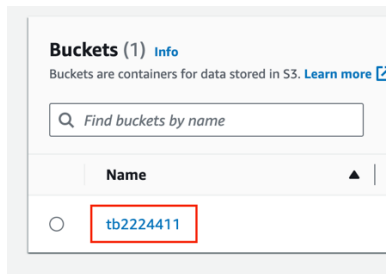
Scroll down to the 'Block all public access' area. This prevents others from seeing out files. Leave all the defaults here.

A screenshot of the "Block all public access" section in the AWS console. It features a main checkbox labeled "Block all public access" which is checked. Below it is a note: "Turning this setting on is the same as turning on all four settings". There are four sub-checkboxes, all of which are checked: "Block public access to buckets and objects grant", "Block public access to buckets and objects grant", "Block public access to buckets and objects grant", and "Block public and cross-account access to buckets and objects". Each sub-checkbox has a descriptive note below it explaining the effect of the setting.

Scroll through all the remaining settings and leave all the defaults with no changes. Then click the 'Create bucket' orange button on the very bottom.



The bucket name will then show up under the name column. Click the blue bucket name link.

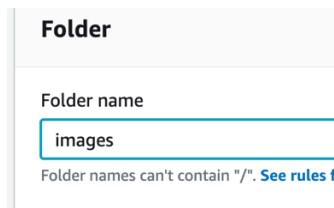


## 5. Create a folder in the bucket

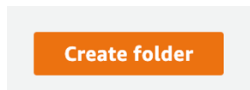
You will see that there are no files (or objects) inside the bucket yet. Before we upload a file, let's create a folder to place our file into. Click the 'Create folder' button.



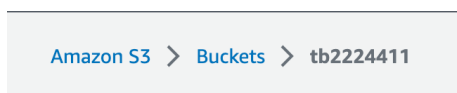
Give it the Folder name of 'images'.



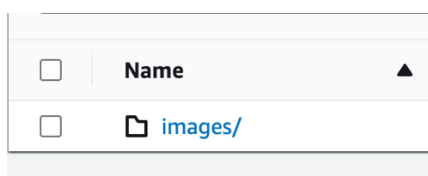
Scroll down and click the 'Create folder' orange button.



Notice the pathway breadcrumbs at the top left showing where you are at inside the bucket.



You will also see the folder listed under the Name column. Click the 'images/' blue link.

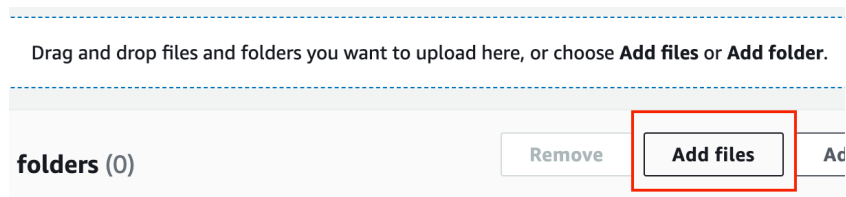


## 6. Upload an image into the folder

Click the 'Upload' button.



Drag and drop a file over or click the 'Add files' button.



Choose an image of yourself or you with your family.

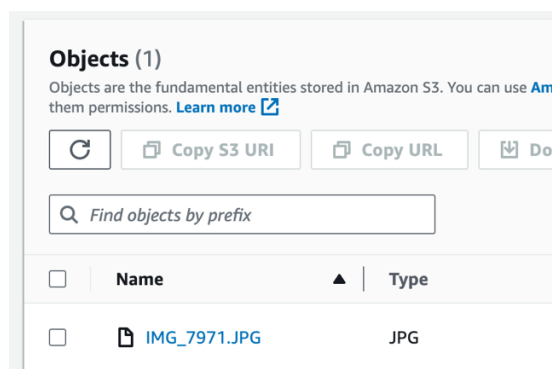
Once your file is added, keep any other defaults and click the 'Upload' button.



You should then see the summary page with the file successfully uploaded. Click the 'Close' orange button to close the summary page.




You should now see the file as an object in the bucket with your file in the Name column.



## 7. Take a screenshot showing the image inside the bucket

Click the object image file and you will see properties of that image.

<input type="checkbox"/>	Name	Type
<input type="checkbox"/>	 IMG_7971.JPG	JPG

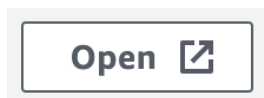
There is a lot of information about the file now inside your bucket but let's look at a few. Notice the 'Object URL'. This could be used in a browser to see your image. But because we blocked all public access which was the default, we won't have access to see the image online.

Object URL

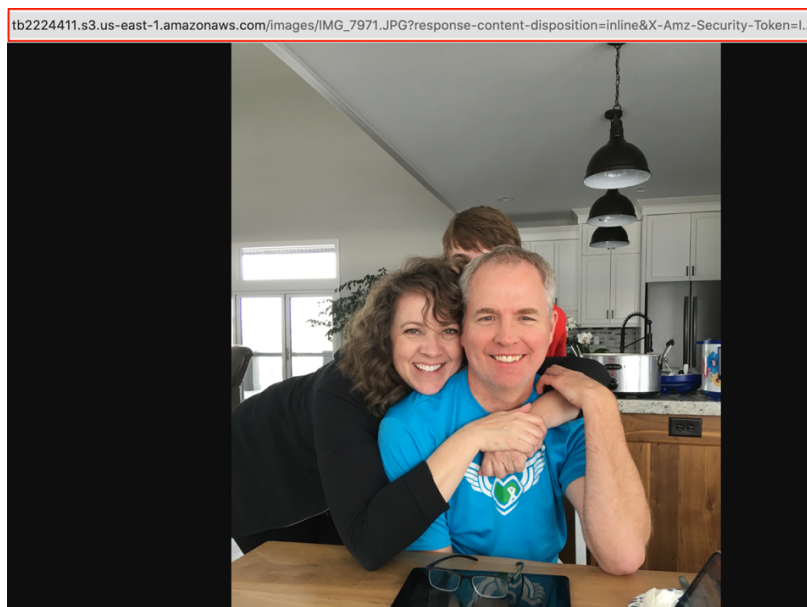
 [https://tb2224411.s3.amazonaws.com/images/IMG\\_7971.JPG](https://tb2224411.s3.amazonaws.com/images/IMG_7971.JPG)

If you try clicking it you will get an error of access denied.

So, let's use the 'Open' button near the top.



Our image will open up. Take a screenshot of the image **and the AWS URL web address above the image**. You will submit this screenshot for your lab submission.



You can just close the tab bucket tab in your browser when done and click 'End Lab' in Learner Lab.

■ End Lab