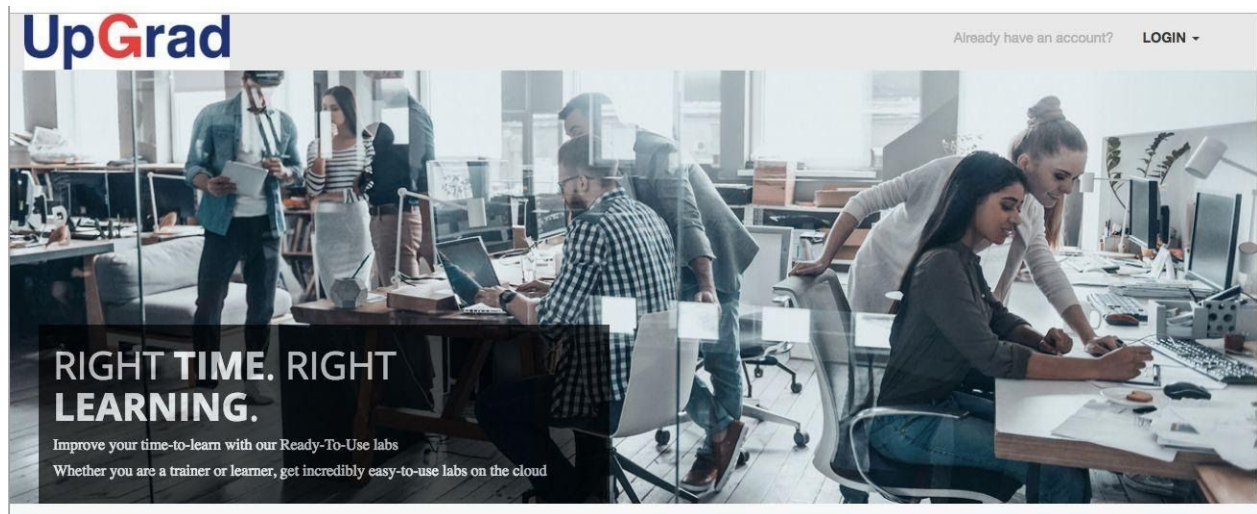# AWS Lab Usage Guidelines

About the Lab

With the objective of giving you hands-on practice on the technologies you learn during this program, we have created an AWS lab.

This lab is a managed service that is accessible by a console provided by our Technology Partners, NuvePro.

About the NuvePro Platform

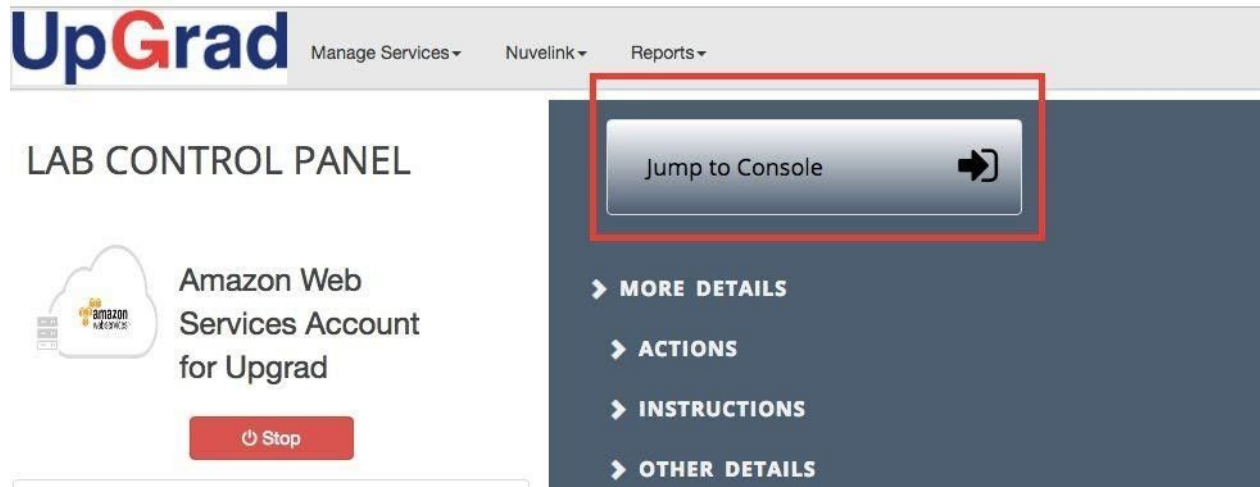The NuvePro platform is your portal into the AWS platform.

From this page, click on Login and use your NuvePro credentials to log in. Once you are logged in, you will see your relevant lab. Click on the lab, and you will be directed to your dashboard.

AWS Lab Usage Guidelines

Navigating the NuvePro Dashboard

Here is how you jump to the AWS console

Services

- **EC2**: This is the service which will be used to perform all your computations.
- **RDS**: This is a database system to be used in further modules
- **S3**: This is a storage system associated with your account.
- **EBS volume**: There will be a daily minimal charge for the storage of your EC2 instance since it will always be attached to your accounts.
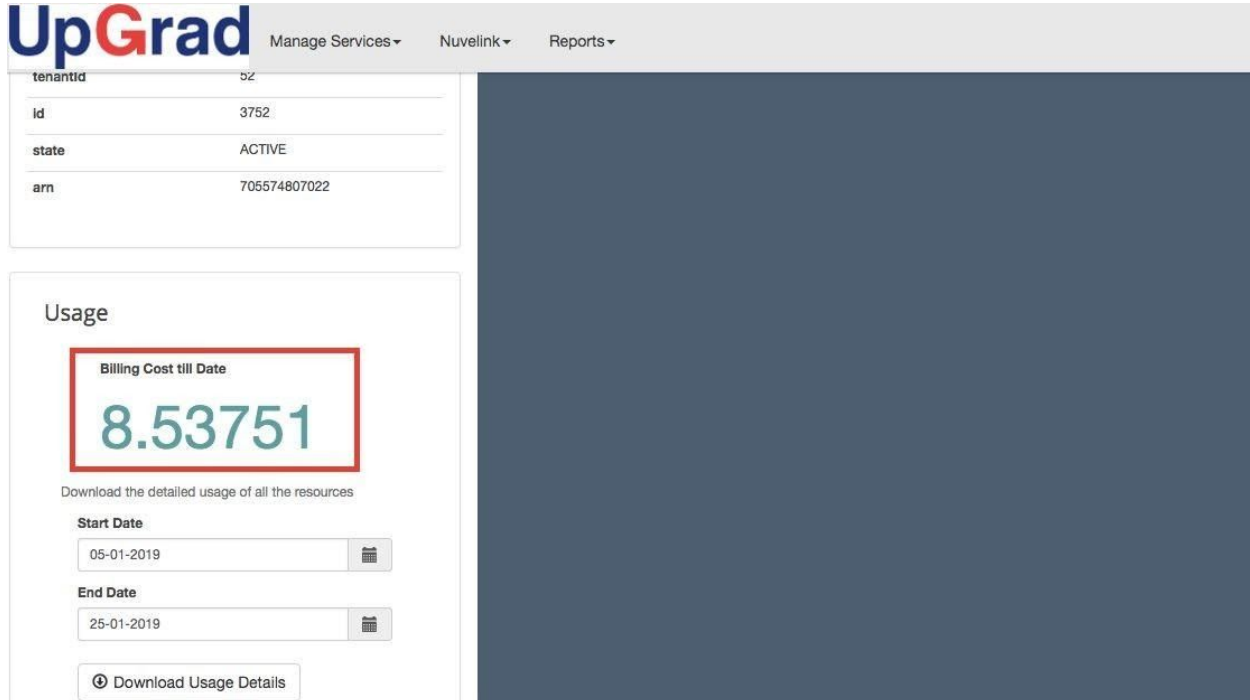
Budgets

The budgets feature helps you track and control your AWS usage. Here is how the budgets feature will work:

1. Each month's budget will be set to $20.
2. The total budget allocated from upGrad towards your cloud usage is $150 for the entire program. This budget is verified by the technical team to be more than sufficient for you to complete all the Modules/Assignments and Projects in the program.
3. You must use your cloud account judiciously to avoid overuse of the budget allocated. Any over usage of your credits will result in you recharging your account on your own after consuming the allocated fund of $150 for this program.

4. You can see the usage of your account on the left-hand-side panel of the account

This number is your usage (in USD) incurred within the date range specified below the usage cost.

5. The default budget for each month is $20. Anything you require beyond $20, you need to write an email to your student mentor and request them to increase your budget. This budget increase will be in increments of $5.

6. In case you have increased the budget to a very high value, the upGrad team will reach out to you and check on your usage.

7. To find out how much credit you have remaining, you can follow these steps:
   a. First, figure out your budget value. This is $20 by default, plus add as many $5 increments that you have requested.
   b. Set the "from" date to the beginning of the month, the "to" date to today's date.
   c. Whatever usage you see, subtract this number from $20.

upGrad

8. The budget values are monthly property. Towards the end of each month, you will get an email from AWS saying the budget needs to be reset.

This email is an automated AWS email, which basically says that "the month is about to get over - please set your new budget values. Please ignore this email. We will make sure your monthly budget values are set from our end.

Best Practices

These are some best practices which will ensure a smooth experience with your AWS lab.

● Whenever you are done using the instance, please stop the instance.

- When you are on the dashboard and are finished working for a while, click on the "StopRunningResources" button.

- Please make sure that you **do not click** on the 'Cleanup' button. If you click this button, the access to all the AWS resources(Ex: EC2, S3, EBS, etc) will be deleted automatically.

- Please use only the instance types that we have specified in your module. The other instances won't work other than the ones that has been specified, and you may run into problems if you use any other instances.
- If you get stuck somewhere with some parts of a task or assignment, the best way to resolve your problem is to ask it on the Discussion Forum. When you are doing this, please add relevant screenshots in your post.
- In case if the issue is not resolved on DF within 2 days, please share the link of the DF ticket with your student mentor to expedite the same.