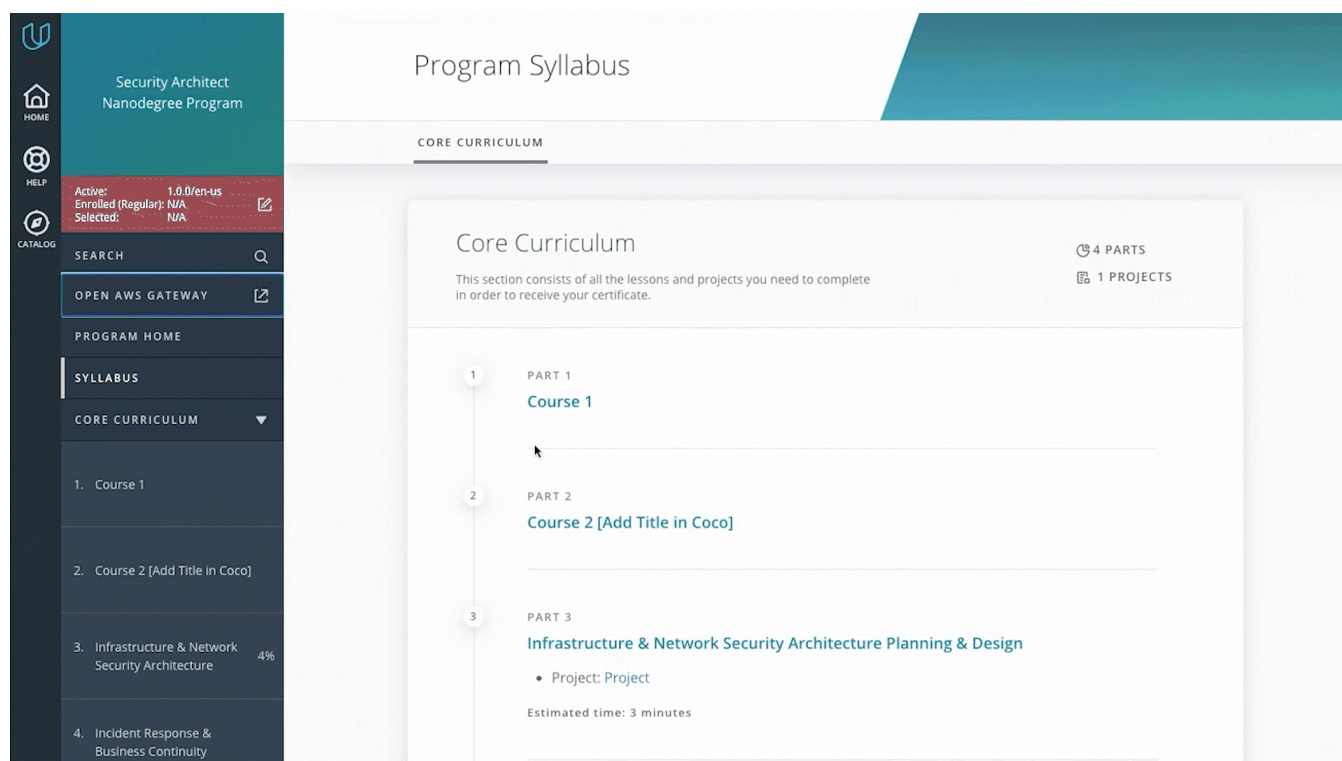


Launch the AWS Web Console from your Udacity Classroom

You are given a *federated user account*, a temporary AWS user account with limited permissions, that you can use in this program.

Before you begin, be sure to **log out** of any AWS instances you may already have running. Then click on the **"OPEN AWS GATEWAY"** link in the left navigation pane to access a customized instance with the right permissions specific to this program. It will open up a pop-up, and clicking on the **"Open AWS Console"** button in the pop-up will open the AWS console in a new browser tab. This may take a few moments to load the first time. See a brief video below for a walkthrough.

Ensure that you do not have a pop-up blocker installed; it may prevent the new tab from launching. Please be sure to allow pop-ups from Udacity.



Animation of launching the AWS console

Important Points to Remember

1. Session limit

Note that there is a certain **session time limit**. If reached, you will automatically be timed out. As long as you have not used your entire allocated budget, your work will be saved. You can re-launch using the same "Open AWS Gateway" button in the left navigation menu to return to your session.

2. Default AWS region

The default AWS region for you will be US East (N. Virginia) (*us-east-1*). However, you can switch and practice in select few other regions as well.

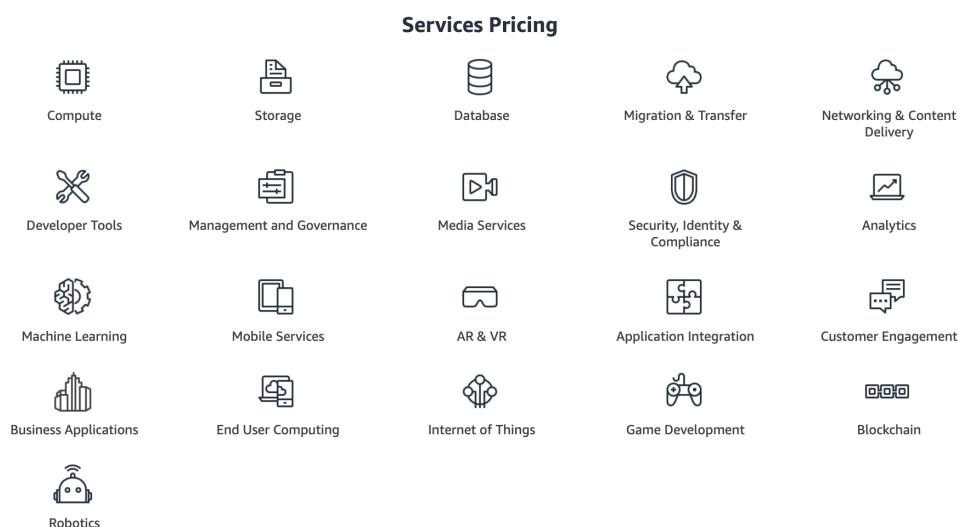
3. The budget allocated for you

All AWS services are a pay-as-you-go service. Udacity has set a budget for each student to complete their course work. Please understand that these credits are limited and available for you to use judiciously. **The budget for this entire course is \$25.** Although, we find about \$10 sufficient for most to complete this course.

4. Shut down your resources | No extra credits

We recommend you **shut down/delete every AWS resource** (e.g., EC2, Sagemaker, Database, EMR, CloudFormation) immediately after the usage or if you are stepping away for a few hours. Otherwise, you will run out of your allocated budget. **Udacity will not provide additional credits.** In case you exhaust your credits:

- You will lose your progress on the AWS console.
- You will have to use your personal AWS account to finish the remaining ND. Even if you are in the middle of the project/exercise and need to step away, you must shut down your resources. You can re-instantiate them later. To better understand pricing, see the [AWS Pricing](#) for all available services. > For reference, any service available to you @ \$0.1/hour or higher should be monitored closely and shut down immediately after use or if you are stepping away. >

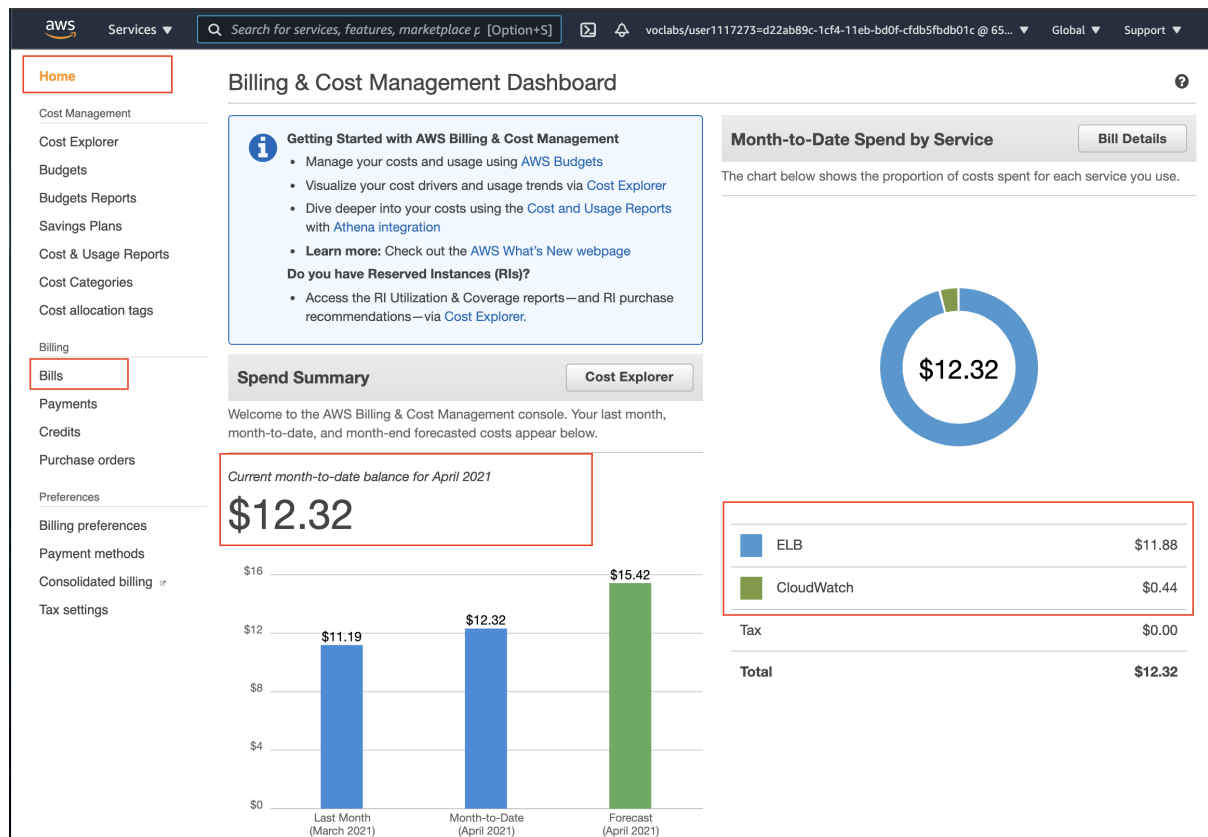


Check the pricing at <https://aws.amazon.com/pricing/>

5. Tracking your usage

You need to make sure that you have an adequate budget available to complete your project/task. **If you hit your budget, your session will time out and your work will be lost and unrecoverable.** Options for you to stay vigilant are:

- Track your usage on the AWS web console. Go to [AWS Billing Dashboard](#), and view the monthly spending. It will list you the services constituting the spend.
- Submit a [ticket](#) to Student Support Services to know your current balance.



AWS Billing dashboard

Note -

As you are given a temporary AWS user account with **limited** permissions, you might not be able to avail **all** AWS services. We have allowed the necessary ones only. If you see a few warning messages related to insufficient permissions, you can ignore them and proceed with your practice.