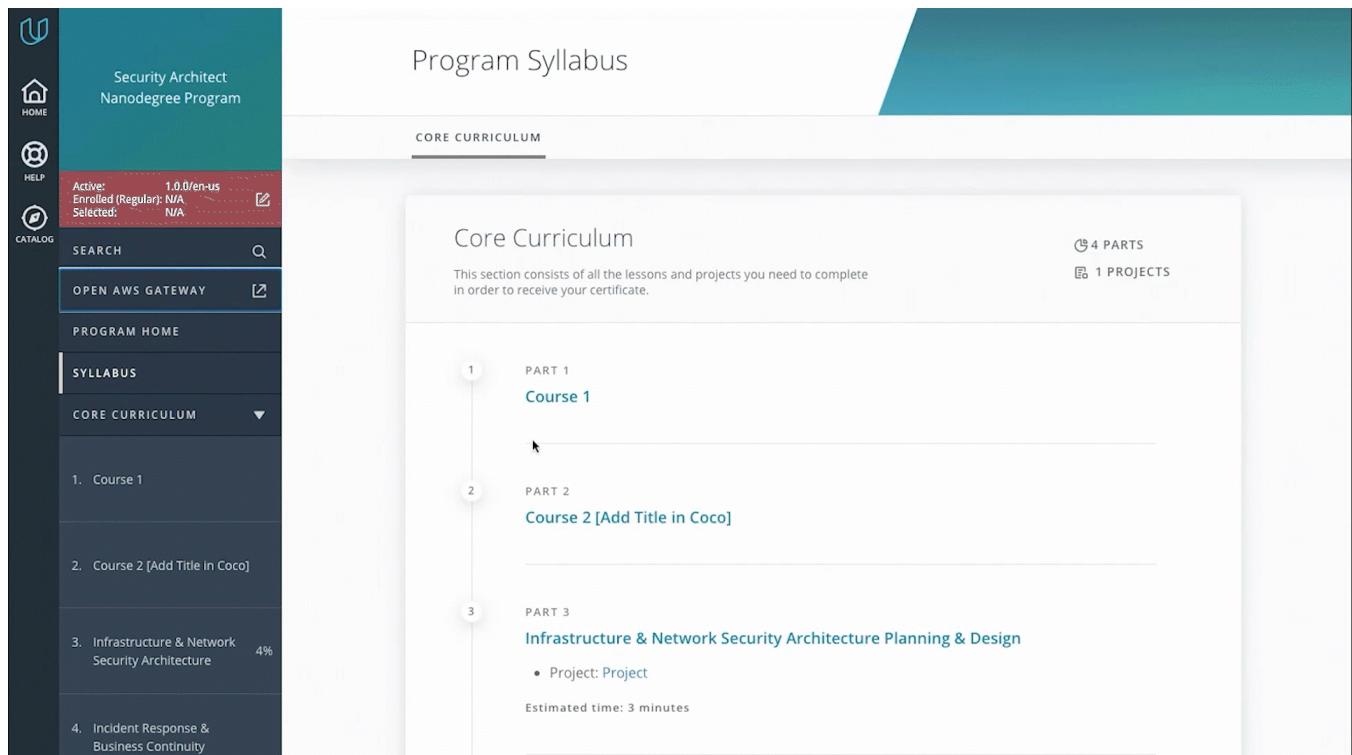


## Launch the AWS Web Console from your Udacity Classroom

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.

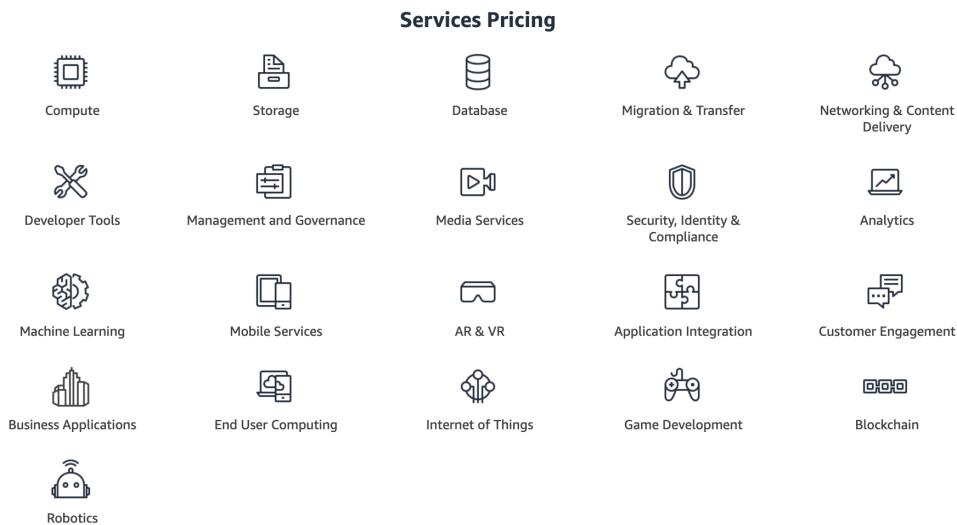
## 3. The budget allocated for you

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. >

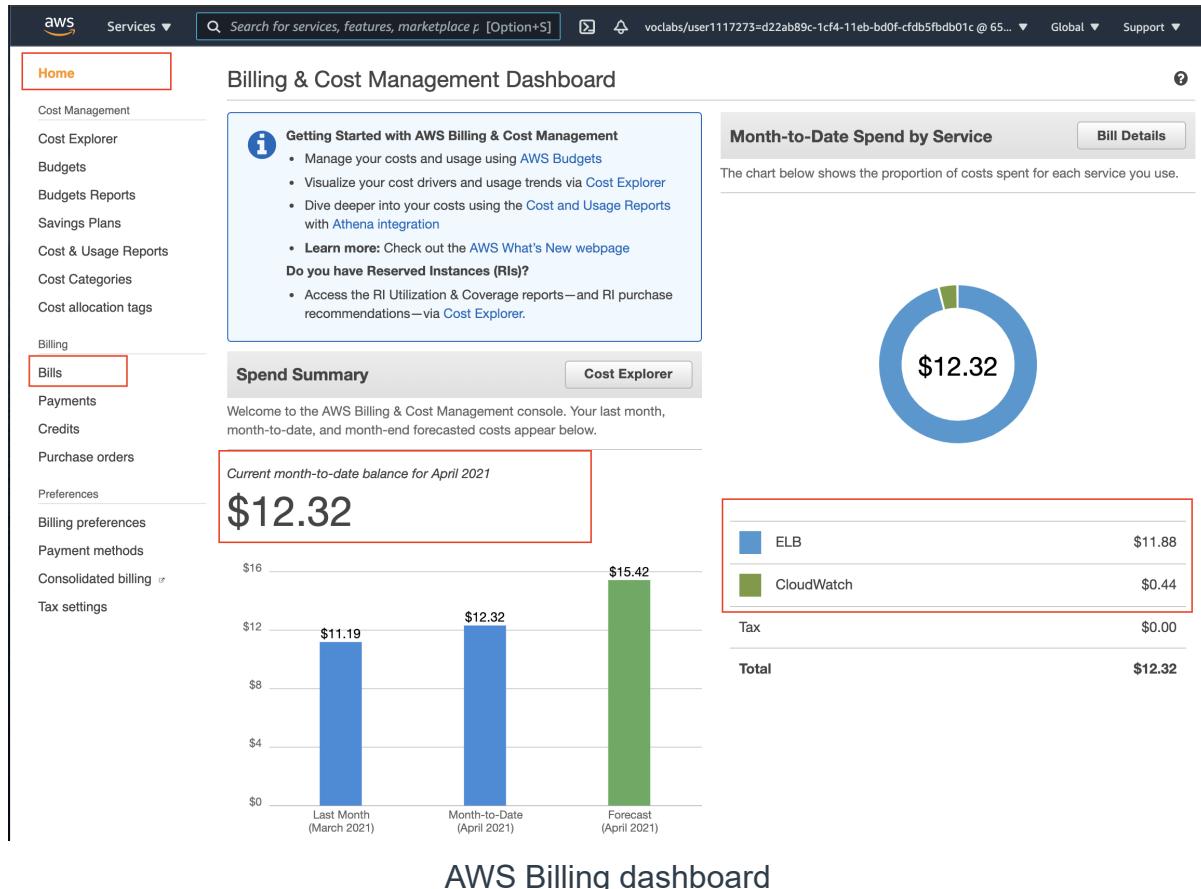


Check the pricing at <https://aws.amazon.com/pricing/>

## 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.