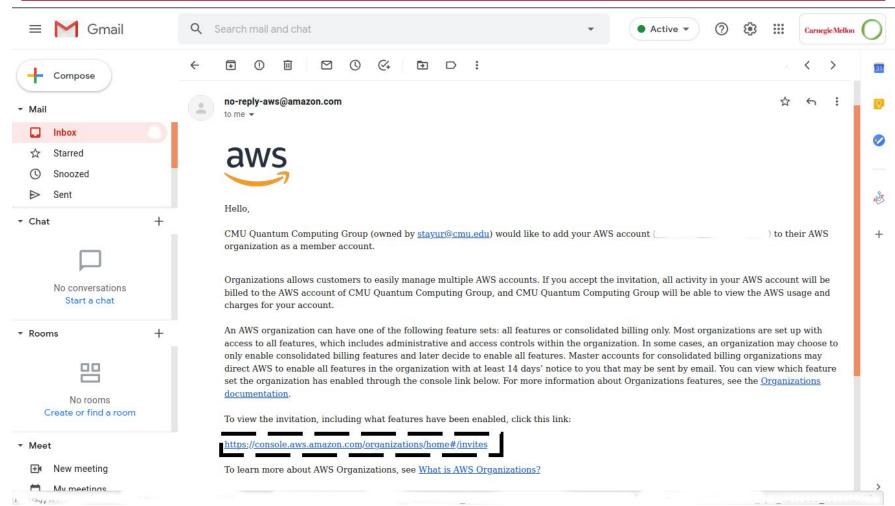


Check your email for an invitation and open the invite link in it.

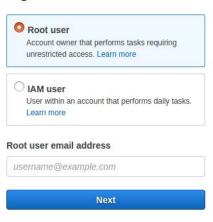








Sign in



New to AWS?

Create a new AWS account

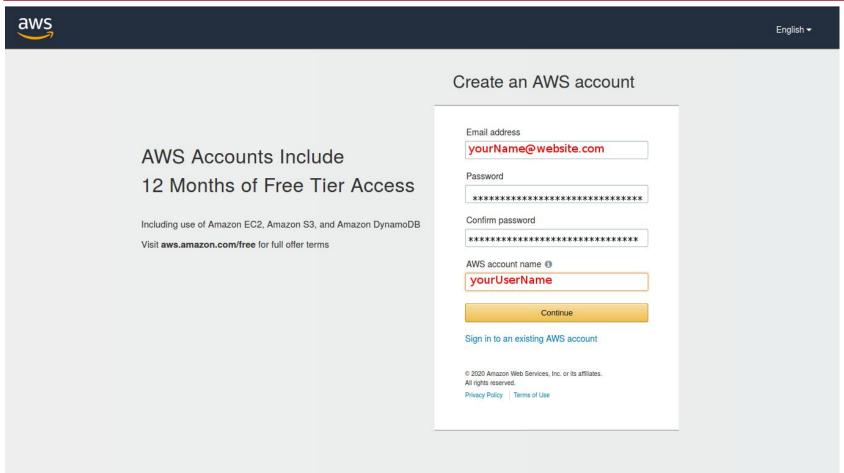


About Amazon.com Sign In

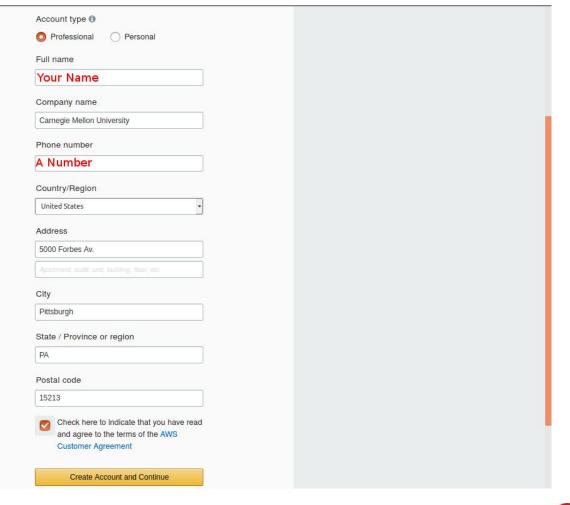
Amazon Web Services uses information from your Amazon.com account to identify you and allow access to Amazon Web Services. Your use of this site is governed by our Terms of Use and Privacy Policy linked below. Your use of Amazon Web Services products and services is governed by the AWS Customer Agreement linked below unless you have entered into a separate agreement with Amazon Web Services or an AWS Value Added Reseller to purchase these products and services. The AWS Customer Agreement was updated on March 31, 2017. For more information about these updates, see Recent Changes.

(For those creating a new account): Provide email at which you received our invitation. Choose password and user id





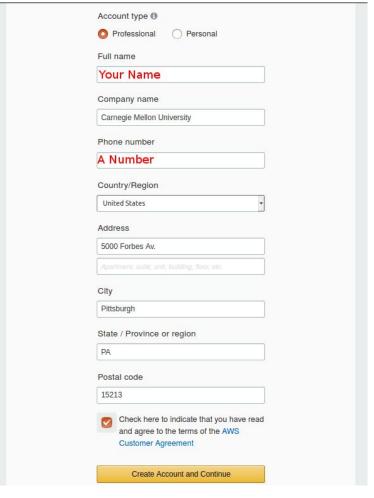
(For those creating a new account): Choose 'Professional Account', provide contact information.



Carnegie Mellon University
Tepper School of Business



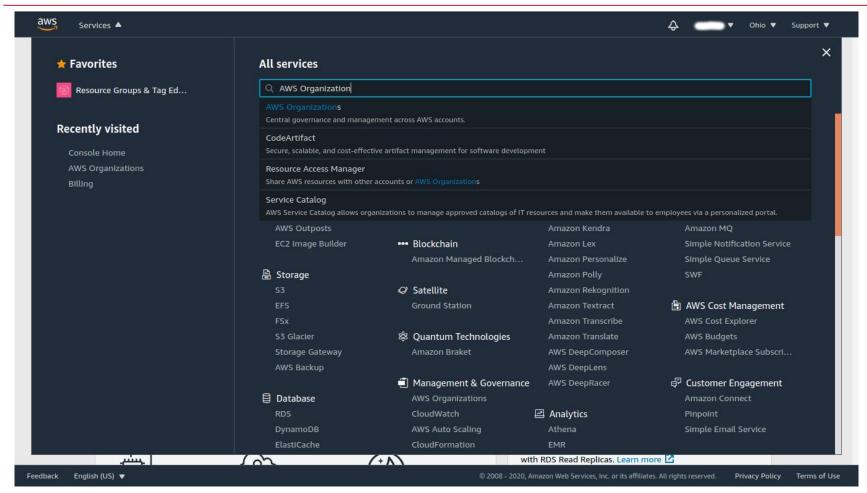
(For those creating a new account)



- Click "Create Account and Continue". Your account is now created!
- Ignore if you are asked to enter a payment method.
 You don't need to provide credit card details etc.
- 3. At the bottom of the page
 Sign Out and then Sign back
 in again

Once you have signed into your AWS account. Click on 'Services' on top left and search/open 'AWS Organization'



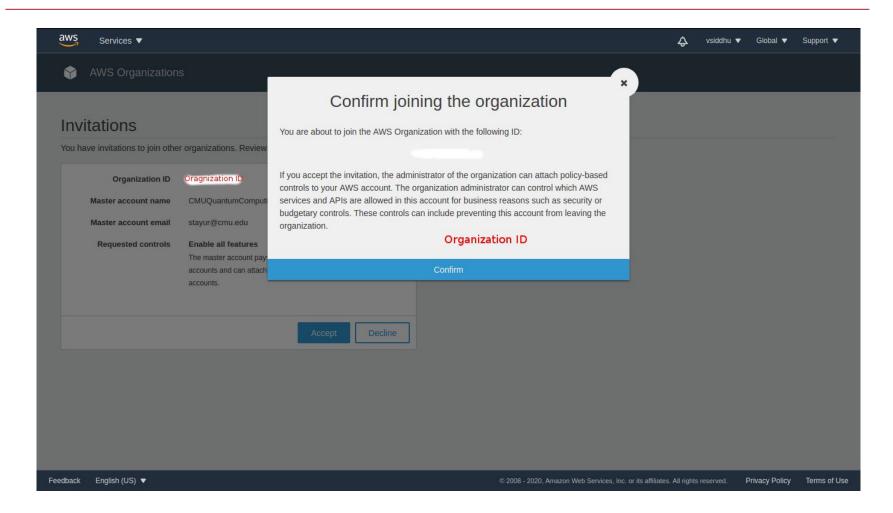


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Accept and Confirm our invitation from CMUQuantumComputing

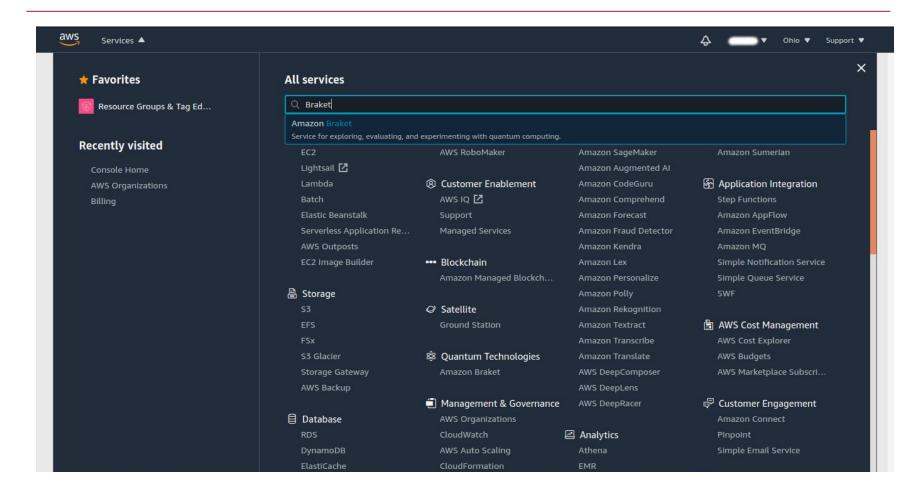


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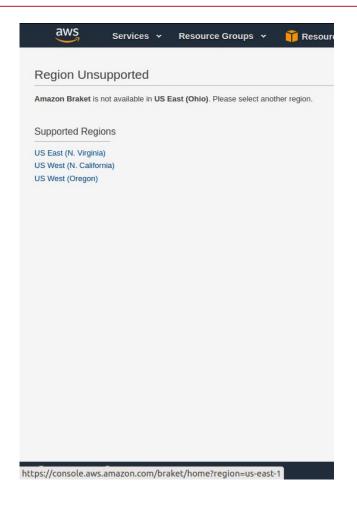


Go back to "Services", find and open Amazon Braket



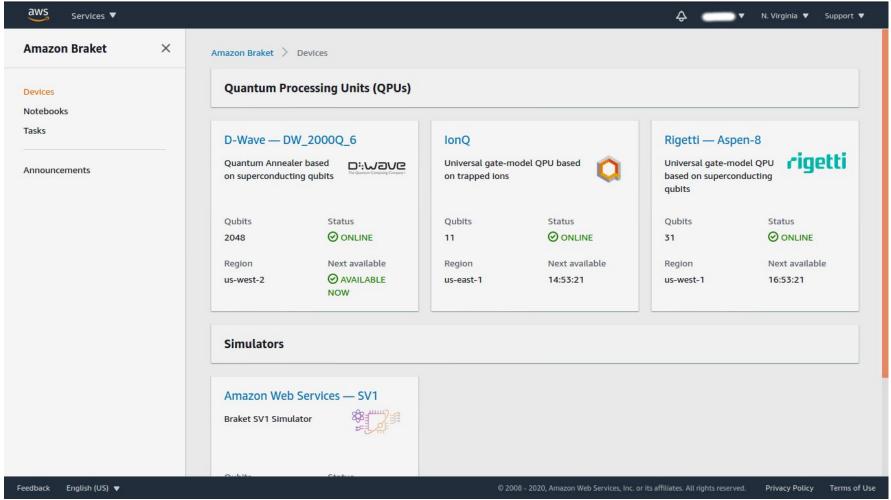


Open Amazon Braket



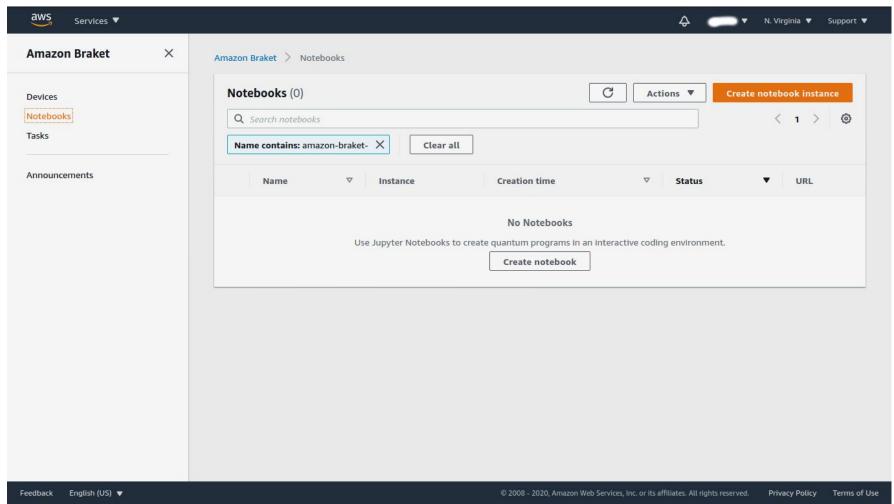
Upon opening the Amazon Braket service, the website may say it is unavailable in your location. If so, change to a suitable location, for instance *US East (N. Virginia)*

Start Amazon Braket. Locate home page with various machines and simulators.





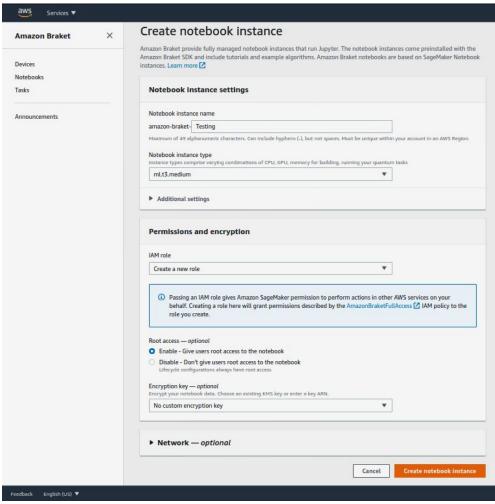
Go straight to notebooks on the left pane.



 ${\bf Carnegie\ Mellon\ University}$



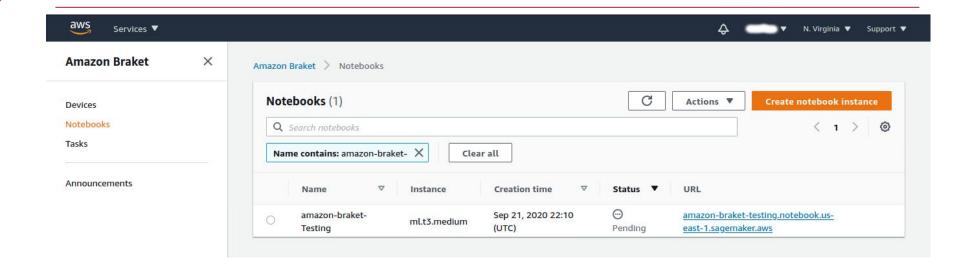
Create a Notebook instance



To create Notebook instance provide a name and click "Create Notebook Instance"

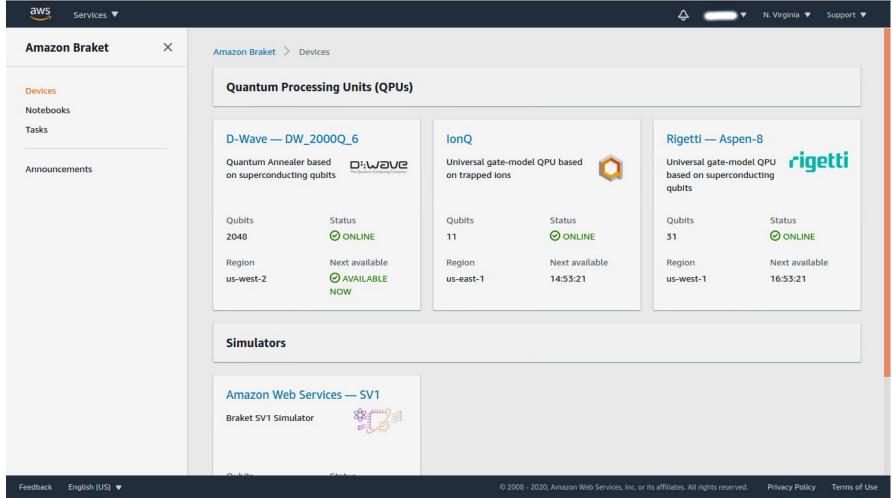


Check status of Notebook

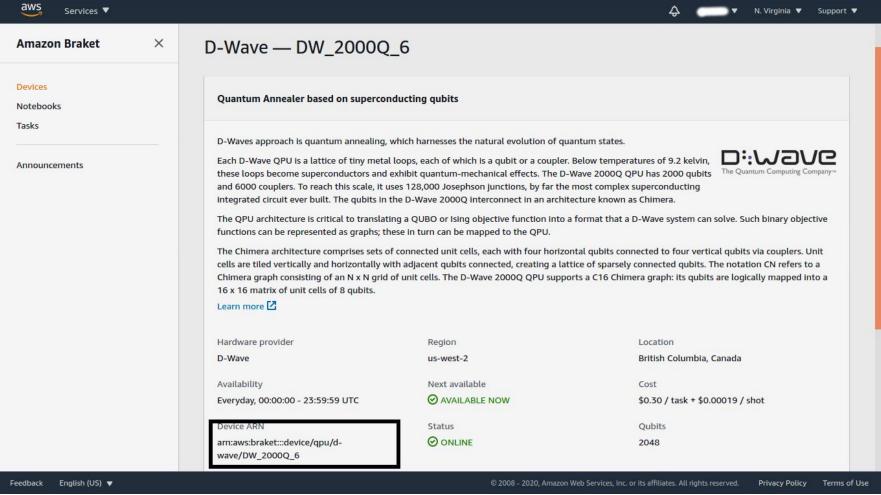


It takes a short amount of time for the notebooks to get created. During this time feel free to check out the Devices available to you by clicking on the "Devices" in the left tab.

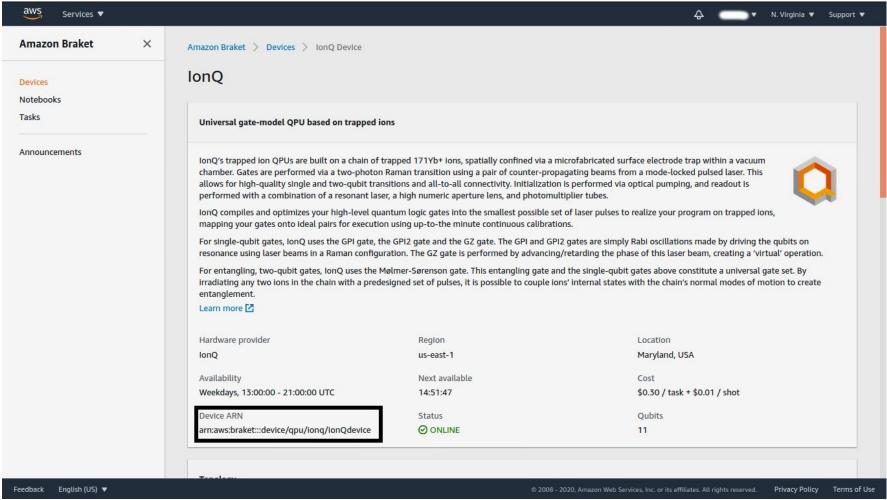
The Devices Page: Click on each device to see what is under the hood.



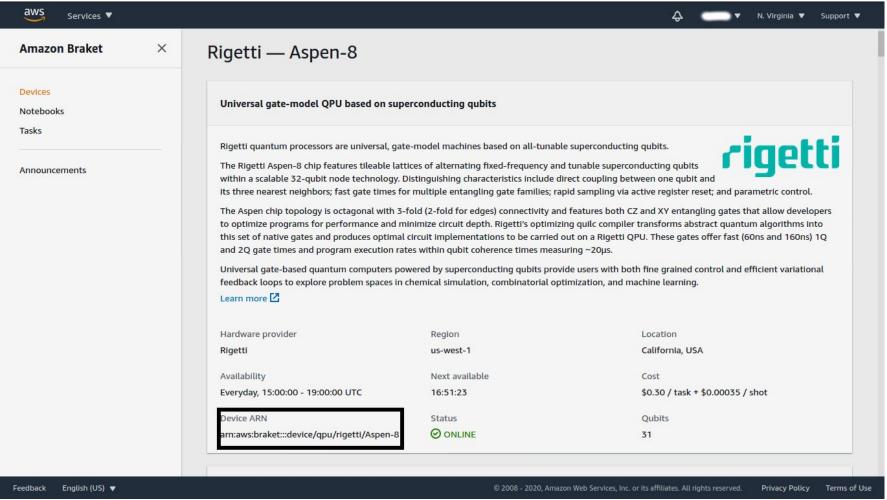
D-Wave. Note the Device ARN, it may be useful in your Notebooks



IonQ. Note the Device ARN, it may be useful in your Notebooks

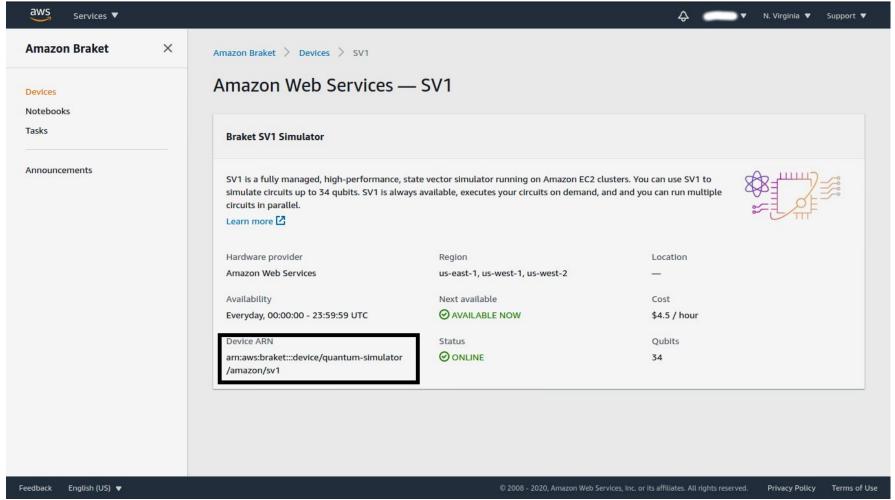


Rigetti. Note the Device ARN, it may be useful in your Notebooks





Braket Simulator. Note the Device ARN, it may be useful in your Notebooks

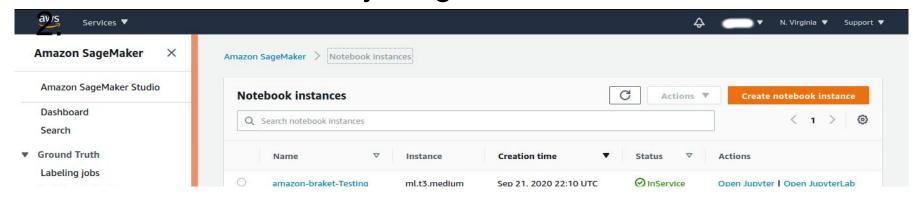


9 CAPD



Go back to Notebooks tab

1. Your Notebook may be green i.e. "In Service"



2. Under Actions, click on the notebook





Open Braket Examples



Explore the set of notebooks provided by Amazon Braket.

The results are preloaded. You can execute the code yourself, keep in mind that that consumes our credits!



Make sure to Stop your notebooks before you Log Out!

Play Around.

You are ALL SET Here!

We will be covering during this class

- quantum_annealing/D-Wave_anatomy.ipynb
- hybrid quantum algorithms/QAOA.ipynb

