

Launch MacOS in The Cloud



As an IT Professional, you may come across scenarios where you may need to run macOS instances in the cloud, These scenarios could range from testing or building software solutions with Xcode or if you need to speed up the development lifecycle amongst the Apple Ecosystem.

Amazon Web Services (AWS) provide services that will allow you to run macOS in the cloud should you need to no matter what your use case is.

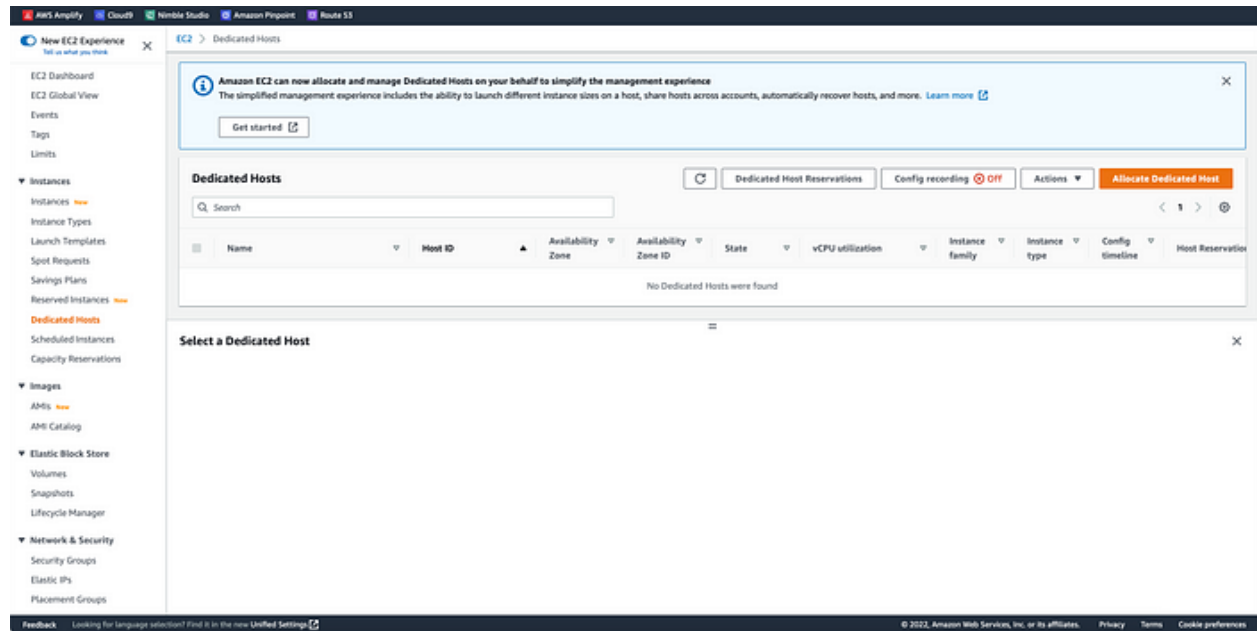
it is worth noting that AWS are the only general cloud provider who provide such services as at this time.

We kick off by visiting the Ec2 Amazon Webpage

<https://console.aws.amazon.com/ec2/>

on the left hand side where the navigation pane is located, We should click on the Dedicated Hosts option.

We should see this page pop up after.



Hover unto the Allocate dedicated hosts Action Button.

You should see this next page.

Allocate Dedicated Host
Dedicated Hosts allow you to provision EC2 instances on physical servers fully dedicated for your use.

Dedicated Host settings

Name tag
Name your Dedicated Host

Instance family [info](#)
Specifies the instance family to be supported by the Dedicated Host.
Choose instance family

Support multiple instance types [info](#)
Launch different instance types from the same instance family on the Dedicated Host.
☐ Enable
Not supported for the selected instance family. [Learn more](#)

Instance type [info](#)
The instance type that can be launched onto the Dedicated Hosts.
Choose instance type

Availability Zone [info](#)
The Availability Zone in which the Dedicated Host is located.
Choose Availability Zone

Output ARN - optional
arn:aws:outputs:{region}:{account}:output/{output-id}

Instance auto-placement [info](#)
Disabling auto-placement will preserve the Dedicated Host for targeted launch requests. Enabling auto-placement will allow untargeted (no host ID specified) launch requests to succeed.
☐ Enable

Host recovery [info](#)
Host recovery automatically restarts your instances on to a new replacement host if failures are detected on your Dedicated Host.
☐ Enable

Feedback | Looking for language selection? Find it in the new Unified Settings [ES](#) | © 2022, Amazon Web Services, Inc. or its affiliates. | Privacy | Terms | Cookie preferences

Name your dedicated host.

In the Instance family drop down menu, you should choose mac1 or mac2.

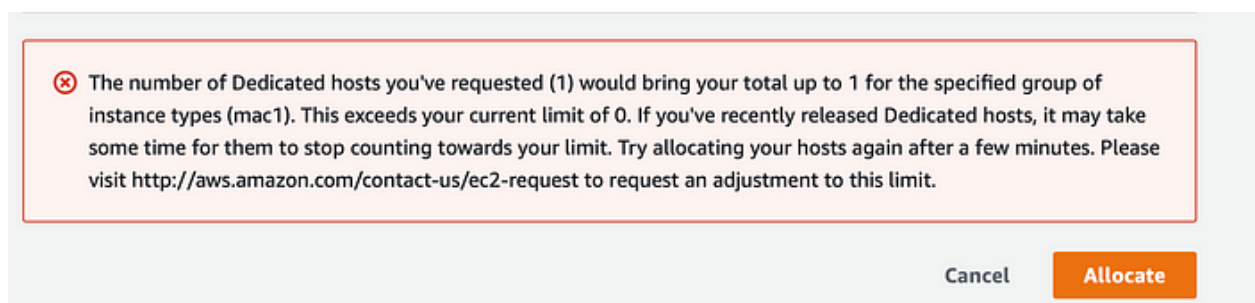
With choosing the instance type we can look at choosing mac1.metal or mac2.metal.

For the availability zone, You should choose any, Usually, AWS will prompt you if the zone you've chosen isn't available and that you should choose another.

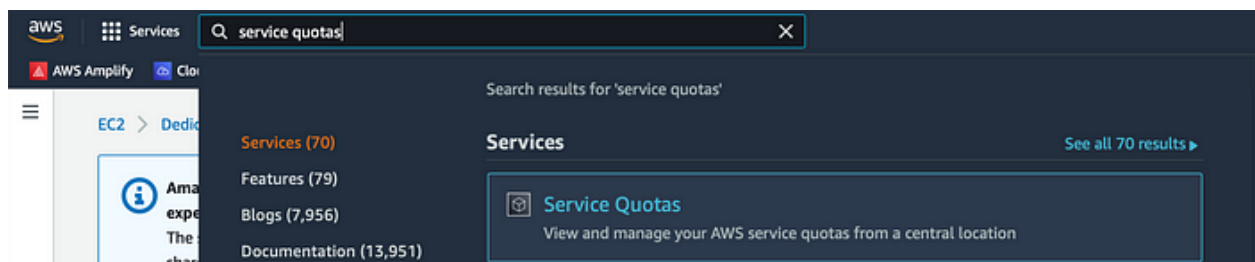
For Quantity, we can just keep it at 1.

Then we click allocate.

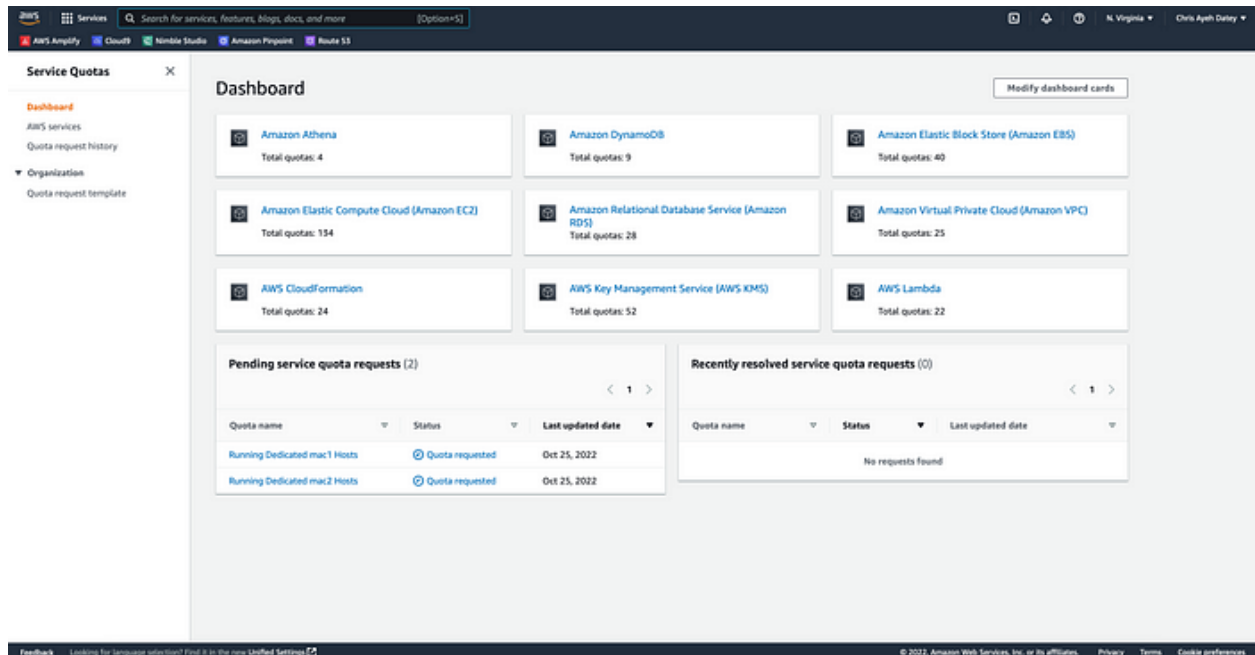
If this error message pops up after clicking on Allocate



Go to the Search bar present on the Amazon Web Services Webpage and search for Service Quotas.

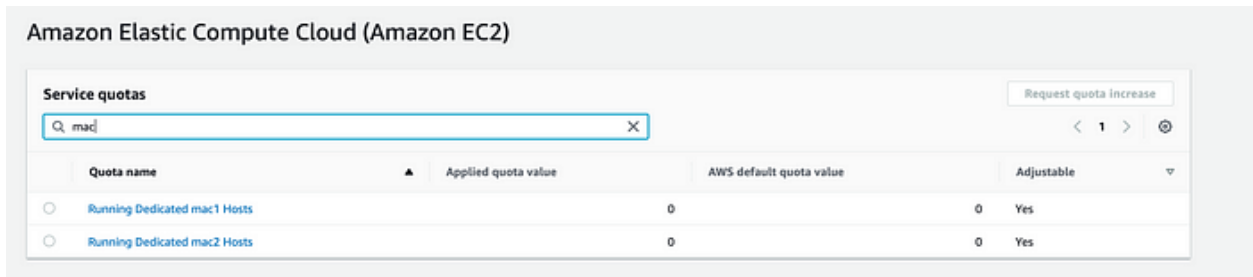


In service quotas, you should see this dashboard.

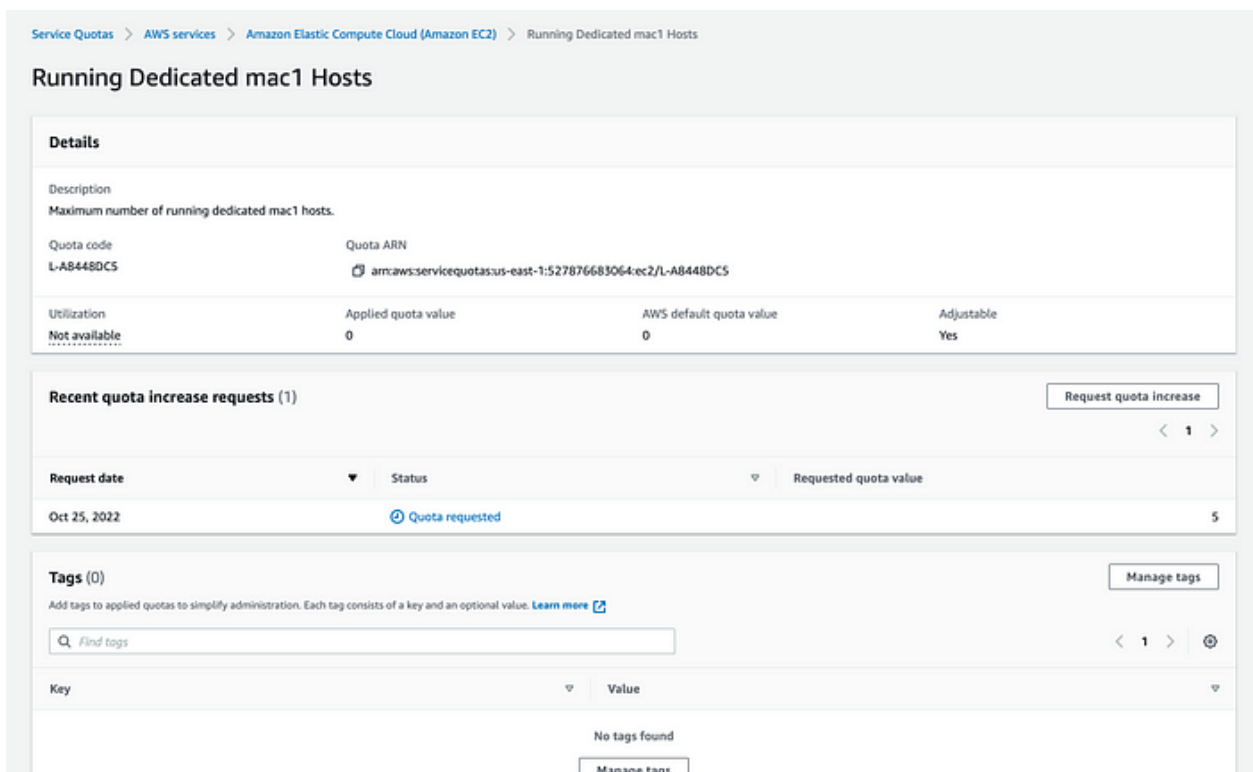


Click on the Amazon Elastic Compute Cloud (EC2) Link.

In this new Webpage, You should be able to locate the search bar and search for mac, Instantly mac dedicated hosts should come up and show if any are running, if it shows a null result (0), Click on the mac dedicated host you want to increase your Quota in.



In this example I have chosen mac1 Hosts, When a new page pops up, Locate the Request Quota Increase Action Button and click on it.



A new popup should appear prompting you to change the quota value, put in your desired amount, and Click on the Request action button,

This should immediately send a request for your Quota to increase, Feedback on when Amazon Approves your request should be communicated to you by Email.

After creating your Dedicated Hosts, Assuming you have navigated back to the Dedicated Hosts Webpage, Click on the Actions button and choose Launch instances onto the host.

Select a macOS AMI and choose the appropriate type of instance (mac1.metal or mac2.metal), The next page should be the configure details page, and verify Tenancy and Host are preconfigured as based on your dedicated host, Then choose the mac1.metal instance type, On the configure details webpage, you would have to verify Tenancy and Host are preconfigured as based on your dedicated host and update affinity as needed, You can complete the Wizard and specify the details as desired and A Launch page should come up and show your new Instance launching.

I hope this has been a great and very EASY tutorial to follow.