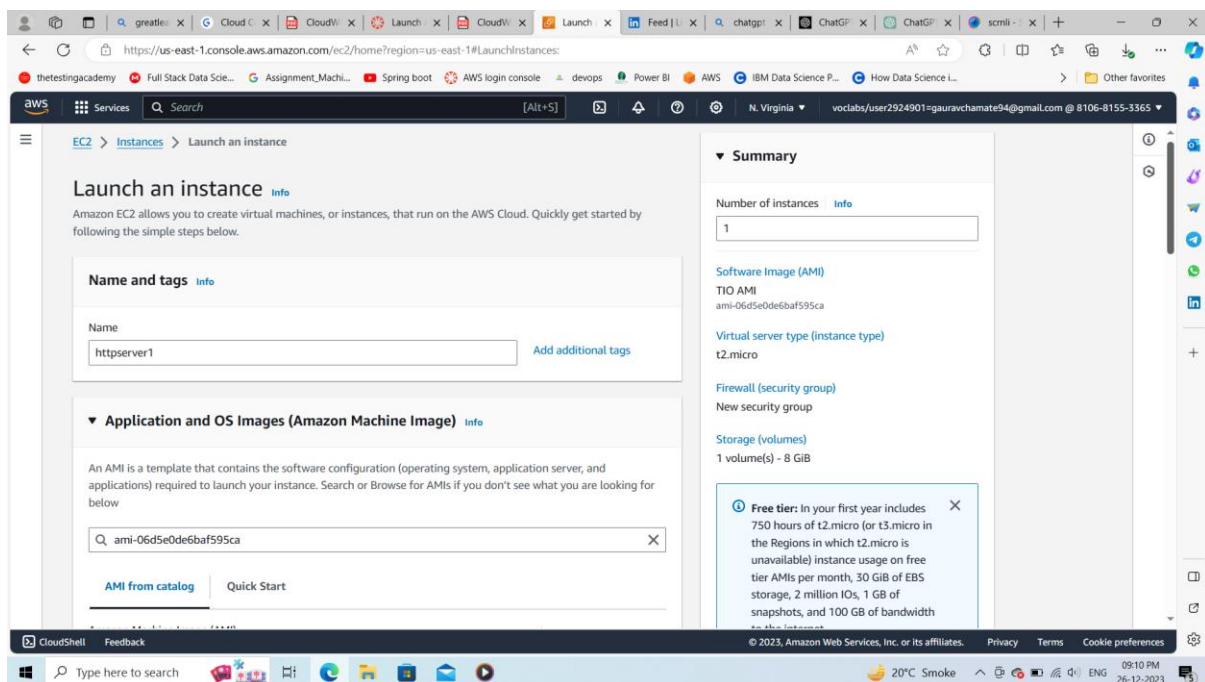
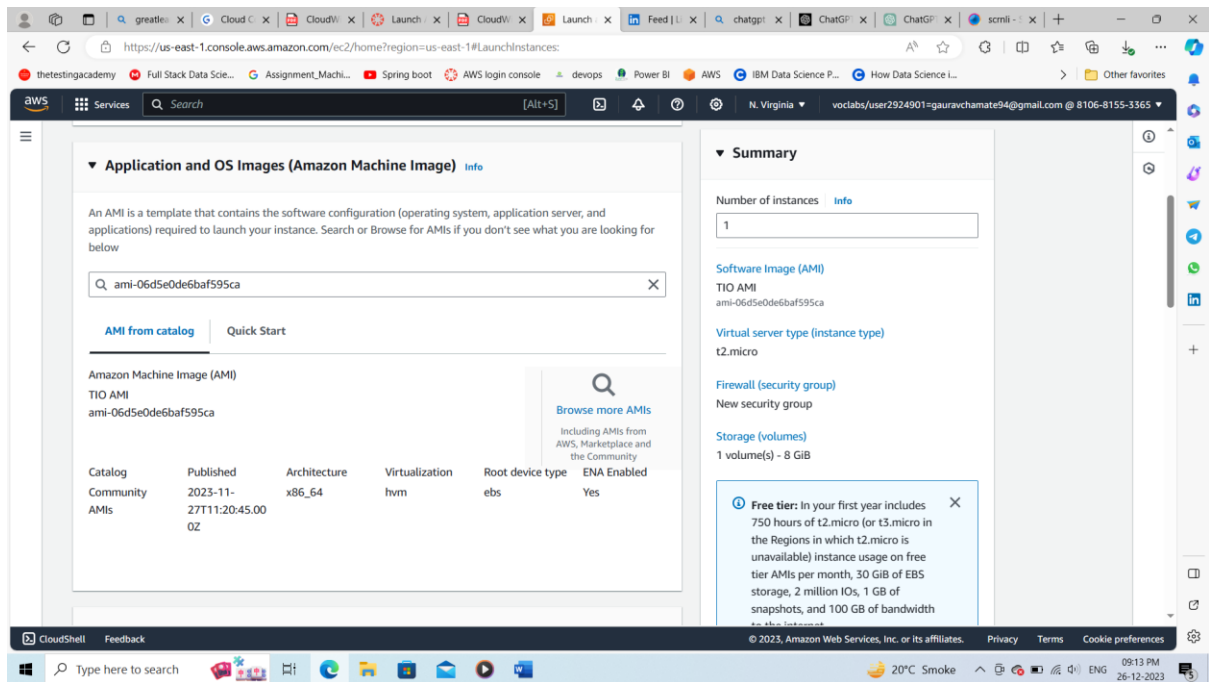


A. Hands-On: Launch an instance

1. This lab can be performed in your AWS Academy account or in your personal AWS account.
2. If you wish to use AWS Academy for this exercise, sign in to your Academy account, start the lab and access the AWS Management Console before proceeding. The AWS Academy sign-up link is <https://awsacademy.instructure.com/login/canvas>. (Skip this step if you are using your personal AWS account)
3. Open the EC2 management console at <https://console.aws.amazon.com/ec2/> (you will be required to sign in)
4. Change the region to N Virginia (if it is not already selected). The region dropdown is located at the top right of the EC2 management console.
5. From the EC2 management console, click on Launch Instance (ignore the template option).
6. Enter the following value in the “Name” field httpserver1

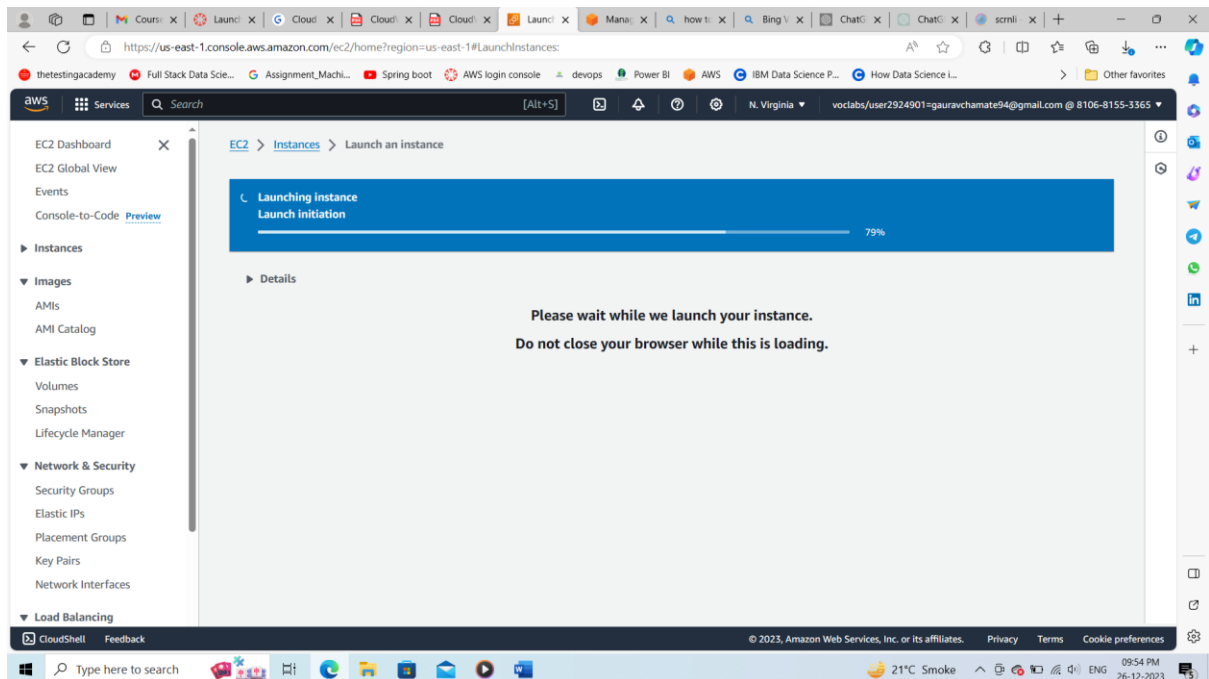


7. The Application and OS Images (Amazon Machine Image) page displays a list of basic configurations, called Amazon Machine Images (AMIs), that serve as templates for your instance. Click on Browse more AMIs link and navigate to the Community AMIs tab
8. In the search bar, paste the following and press the Enter key. ami-06d5e0de6baf595ca NOTE: In case you get an error “AMI not found” then you may have to type the AMI name manually in the text field.



12. The rest of the fields can be left to their default values

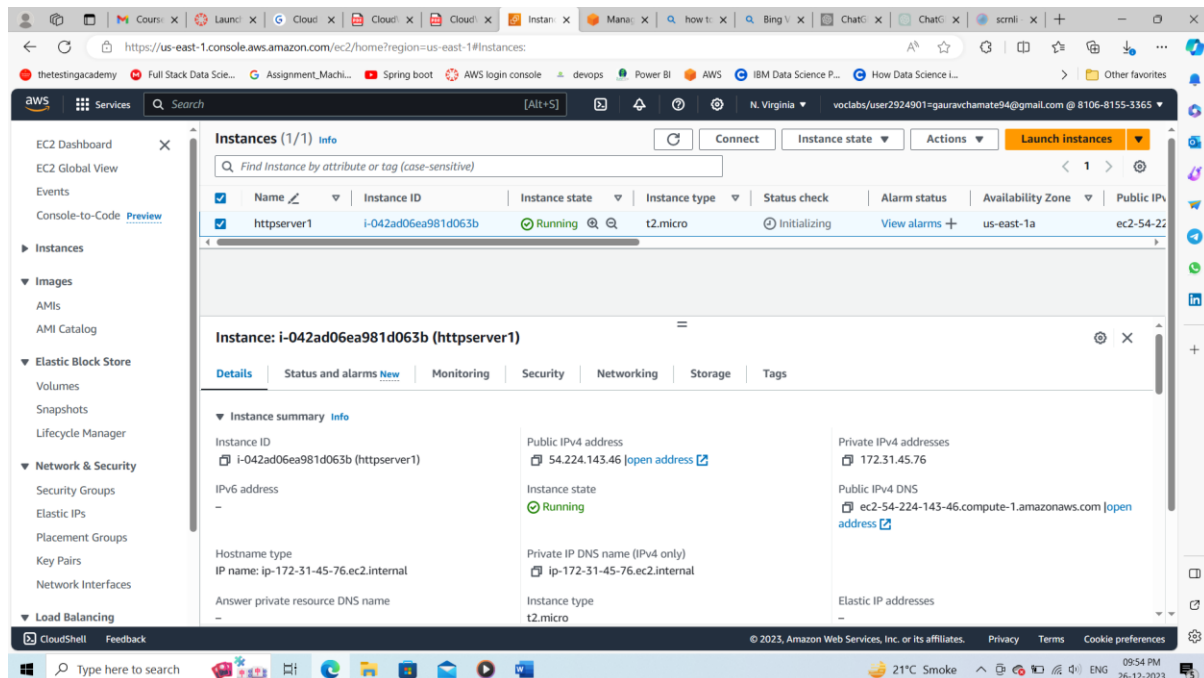
13. On the right side of the page, in the Summary section, ensure that the field Number of instances is set to 1 and click on Launch Instance



14. In the Launch Status confirmation page click on the View all Instances button on the right side bottom of the page Try it out! PGP in Cloud Computing

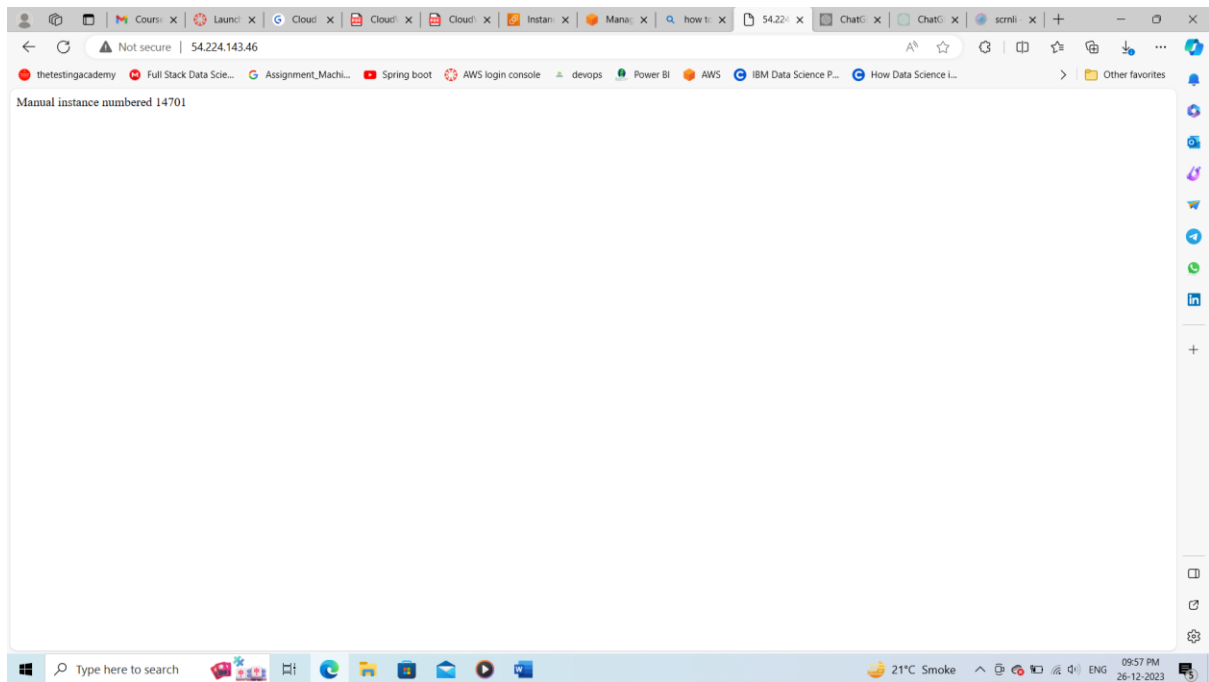
15. Click on the Checkbox to the left of the httpserver1 displayed in the Instances table

16. The bottom of the screen shows the instance attributes and the Details tab is visible by default (do not change it)



17. Locate the display item “Public IPv4 address” and copy the public IP address (do not click on the open address link, it defaults to https and the page will not work). Save this public IP address (does not start with 172.31.x.x) in a text editor or write it down on a piece of paper if you wish to do the SSH exercise.

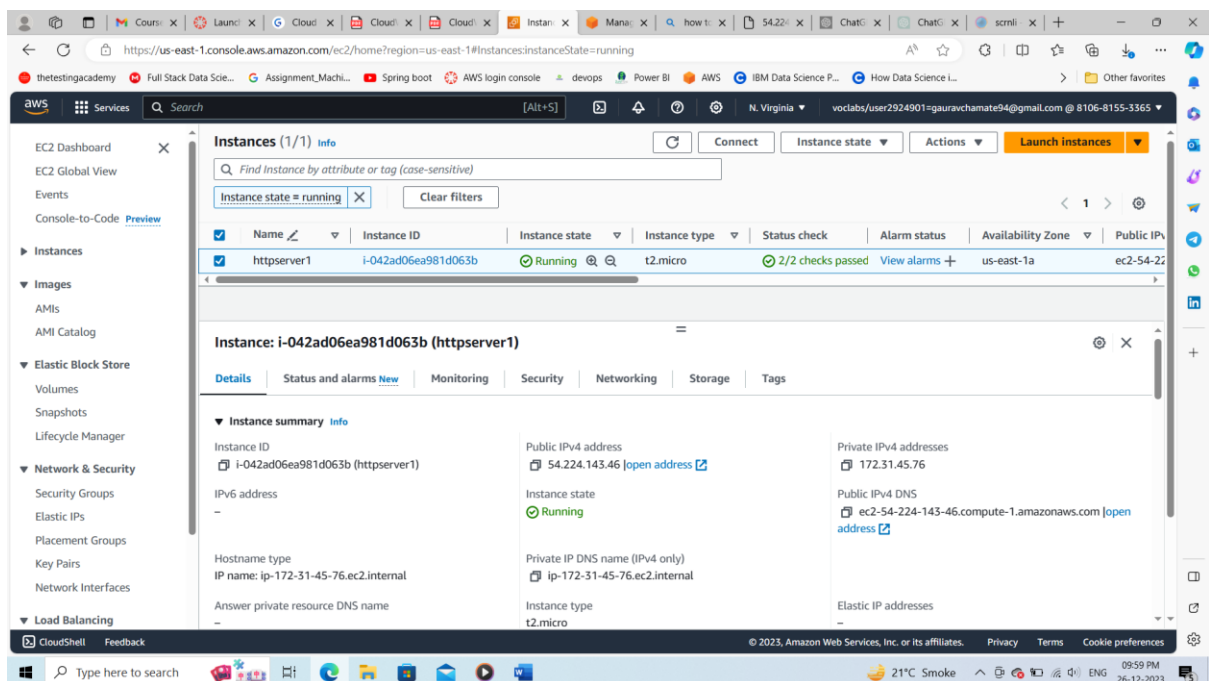
18. Open a new browser tab, paste the public IP address and hit enter. The http page will be visible as shown below -



Part B:

B. Hands-On: Terminating/deleting an instance This exercise is mandatory for all learners.

1. Go back to the browser tab EC2 management console

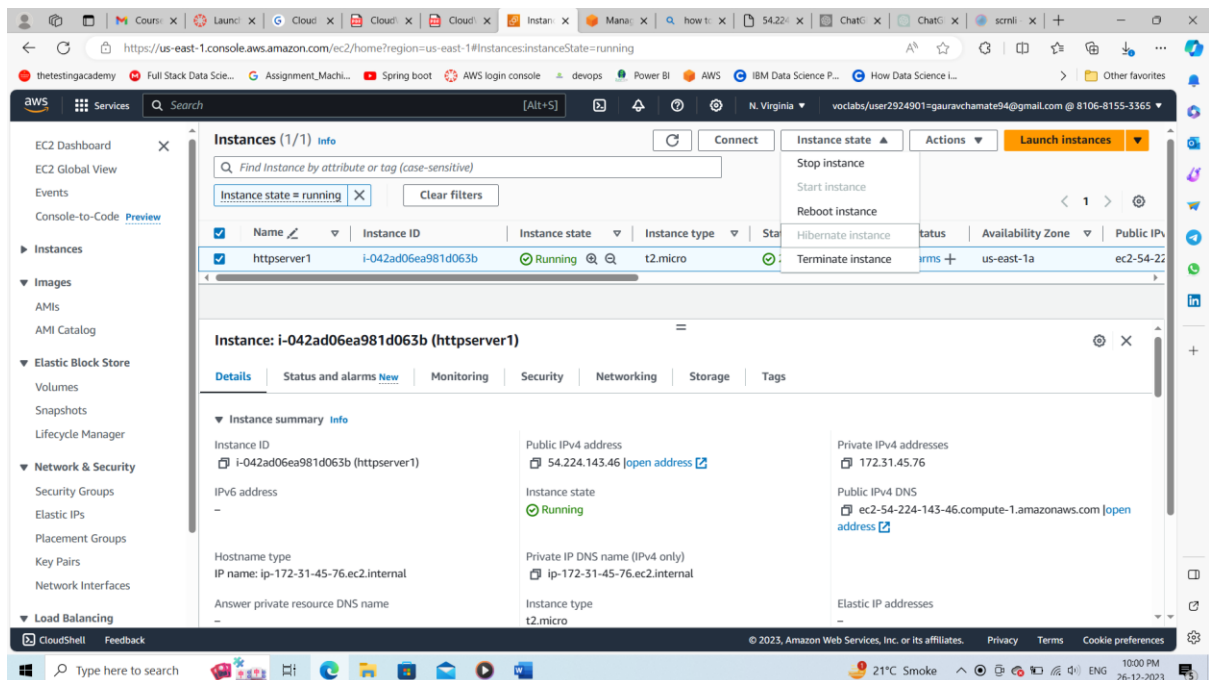


2. Click on Instances in the left navigation

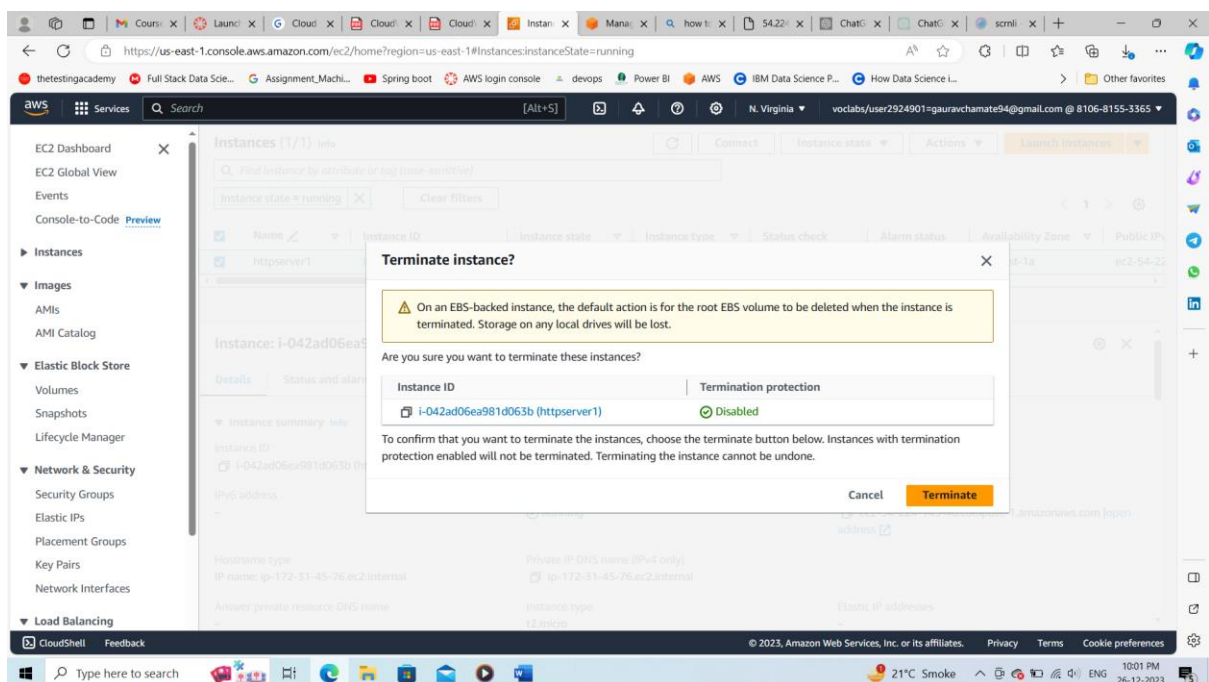
3. Clic

Click on the Checkbox to the left of the httpserver1 displayed in the Instances table (no action is necessary if the checkbox is already selected)

4. Click on the Instance state dropdown towards the top right side of the screen



5. Select Terminate instance option



6. Click on the Terminate button on the confirmation popup window

Successfully terminated i-042ad06ea981d063b

Instances (1/1) Info

Find Instance by attribute or tag (case-sensitive)

Instance state = running X Clear filters

| Name | Instance ID | Instance state | Instance type | Status check | Alarm status | Availability Zone | Public IP |
|-------------|---------------------|----------------|---------------|-------------------|---------------|-------------------|---|
| httpserver1 | i-042ad06ea981d063b | Shutting-d... | t2.micro | 2/2 checks passed | View alarms + | us-east-1a | ec2-54-224-143-46.compute-1.amazonaws.com |

Instance: i-042ad06ea981d063b (httpserver1)

Details Status and alarms New Monitoring Security Networking Storage Tags

Instance summary Info

Instance ID: i-042ad06ea981d063b (httpserver1)

Public IPv4 address: 54.224.143.46 [open address](#)

Private IPv4 addresses: 172.31.45.76

Instance state: Shutting-down

Public IPv4 DNS: ec2-54-224-143-46.compute-1.amazonaws.com [open address](#)

IPv6 address: -

Private IP DNS name (IPv4 only): ip-172-31-45-76.ec2.internal

Hostname type: IP name: ip-172-31-45-76.ec2.internal

Answer private resource DNS name: -

Instance type: t2.micro

Elastic IP addresses: -

Instances Info

Find Instance by attribute or tag (case-sensitive)

Instance state = running X Clear filters

| Name | Instance ID | Instance state | Instance type | Status check | Alarm status | Availability Zone | Public IPv4 |
|------|-------------|----------------|---------------|--------------|--------------|-------------------|-------------|
|------|-------------|----------------|---------------|--------------|--------------|-------------------|-------------|

No instances

You do not have any instances in this region

[Launch instances](#)

Instance: i-042ad06ea981d063b (httpserver1)

The instance is terminated successfully.