

Progressive Education Society's
Modern College of Arts, Science and Commerce (Autonomous)
Shivajinagar, Pune – 411005
M.Sc. (Computer Science) Part II- Sem III
2023-2024
Lab on Cloud Computing-Assignments

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Class – M.Sc. (Computer Science) Part II- Sem III

Cloud Computing Practical Assignment No 2

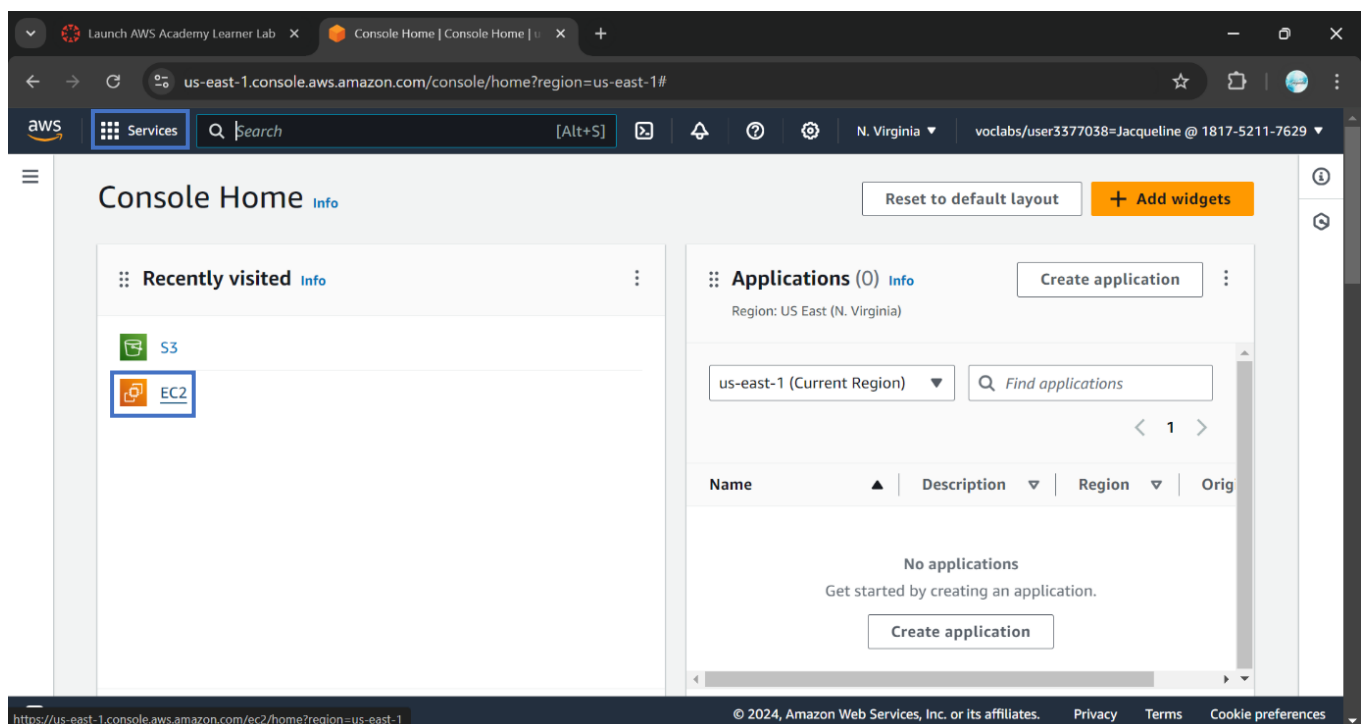
Working and Implementation of Infrastructure as a service

Launch EC2 Instance (Linux)- AWS Platform. Prepare Screenshots file

Write down the steps to launch the EC2 instance (Linux).

Make single Word or PDF file.

Step 1: Select the Compute Service and in that select EC2.



Step 2: Then Say ‘Launch Instance’.

The screenshot shows the AWS Management Console for the us-east-1 region. The left sidebar contains the navigation menu with 'EC2 Dashboard' selected. The main content area is titled 'Resources' and displays a grid of EC2 resource counts for the US East (N. Virginia) Region. Below this, there are sections for 'Launch instance' and 'Service health'.

Resources		
You are using the following Amazon EC2 resources in the US East (N. Virginia) Region:		
Instances (running)	0	Auto Scaling Groups
Dedicated Hosts	0	Elastic IPs
Key pairs	5	Load balancers
Security groups	4	Snapshots
		Capacity Reservations
		Instances
		Placement groups
		Volumes

Launch instance
To get started, launch an Amazon EC2 instance, which is a virtual server in the cloud.

Service health
AWS Health Dashboard

Buttons: Launch instance, Migrate a server

Step 3: Give the name to the instance.

The screenshot shows the 'Launch instance' wizard in the AWS Management Console. The first step is 'Name and tags', where the instance name 'LINUX Web Server' is entered. The second step is 'Application and OS Images (Amazon Machine Image)', which provides information about AMIs and a search bar.

Name and tags Info

Name
LINUX Web Server Add additional tags

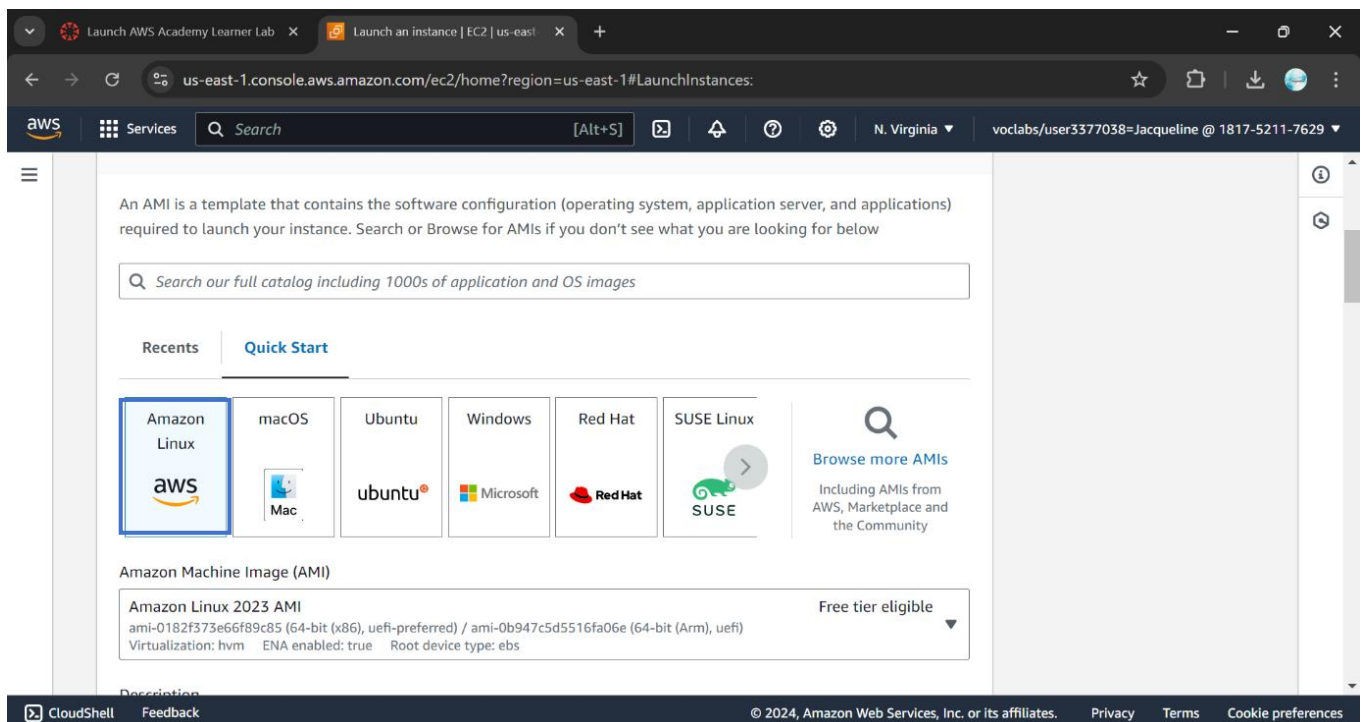
Application and OS Images (Amazon Machine Image) Info

An AMI is a template that contains the software configuration (operating system, application server, and applications) required to launch your instance. Search or Browse for AMIs if you don't see what you are looking for below

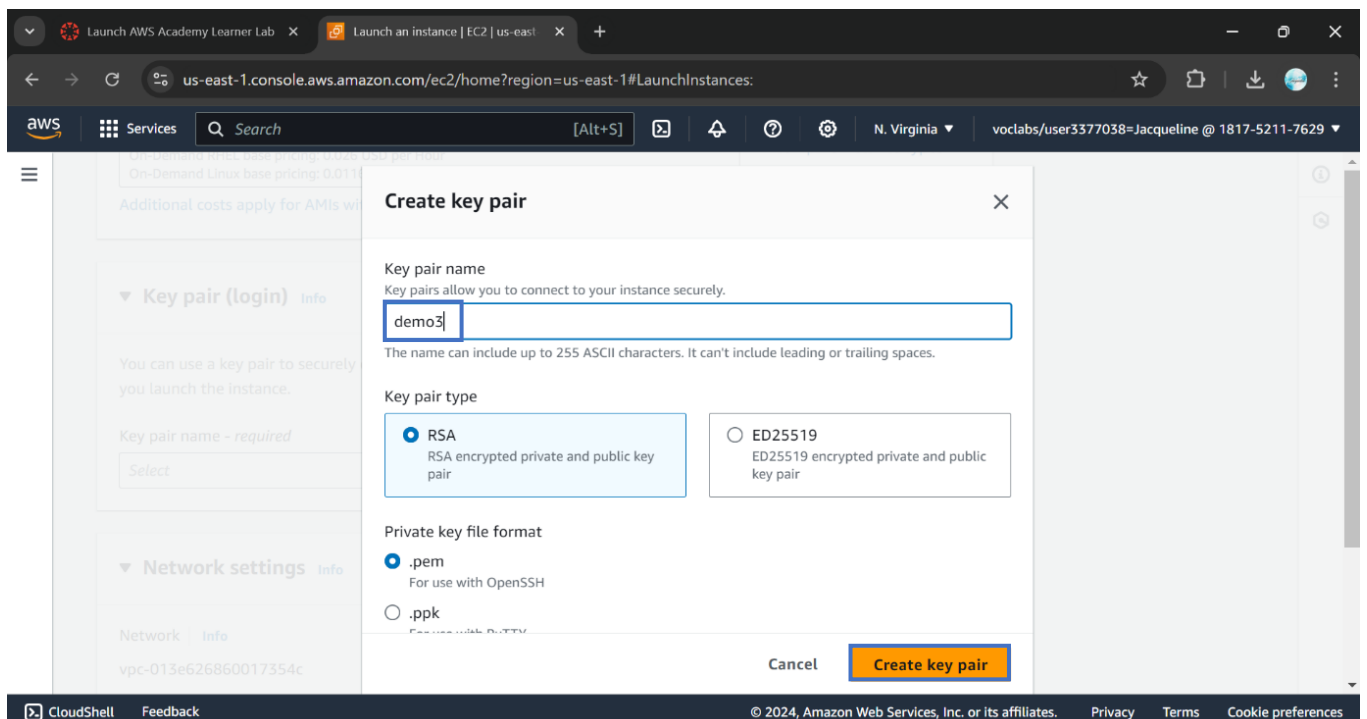
Search our full catalog including 1000s of application and OS images

Recents Quick Start

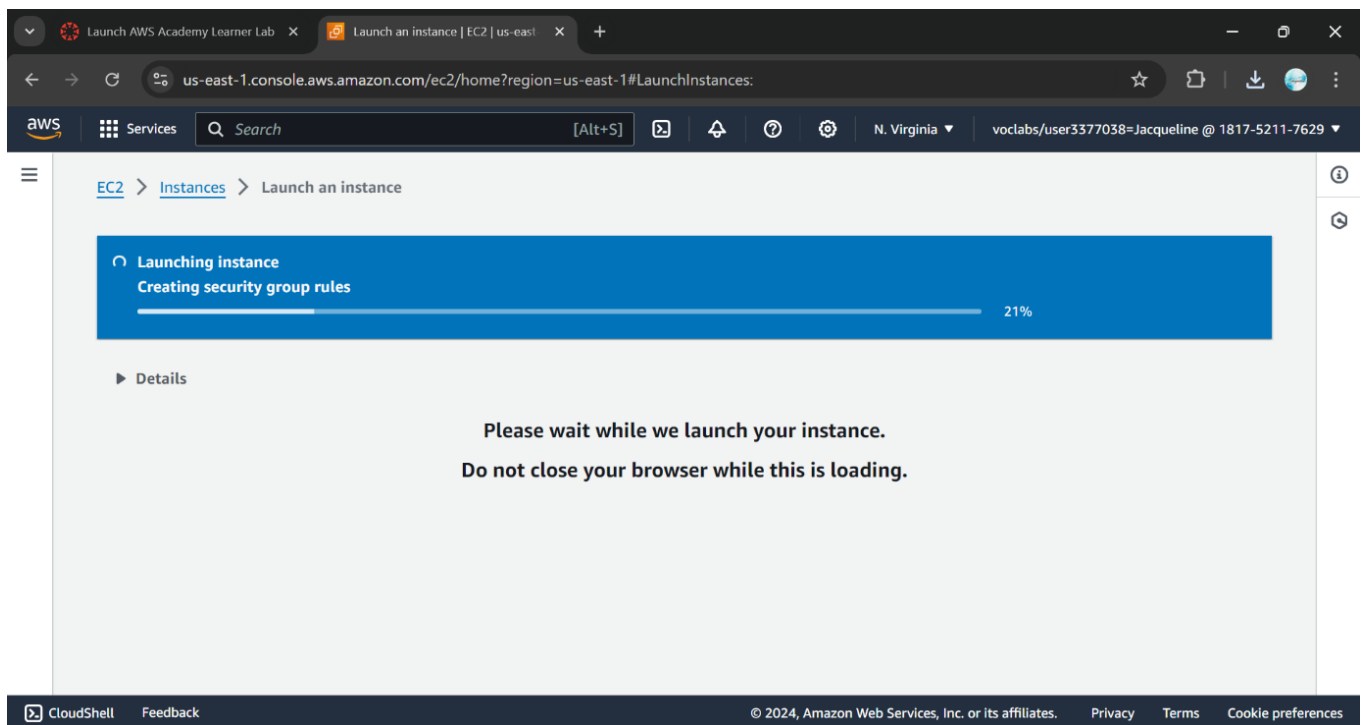
Step 4: Select the AMI as Linux.



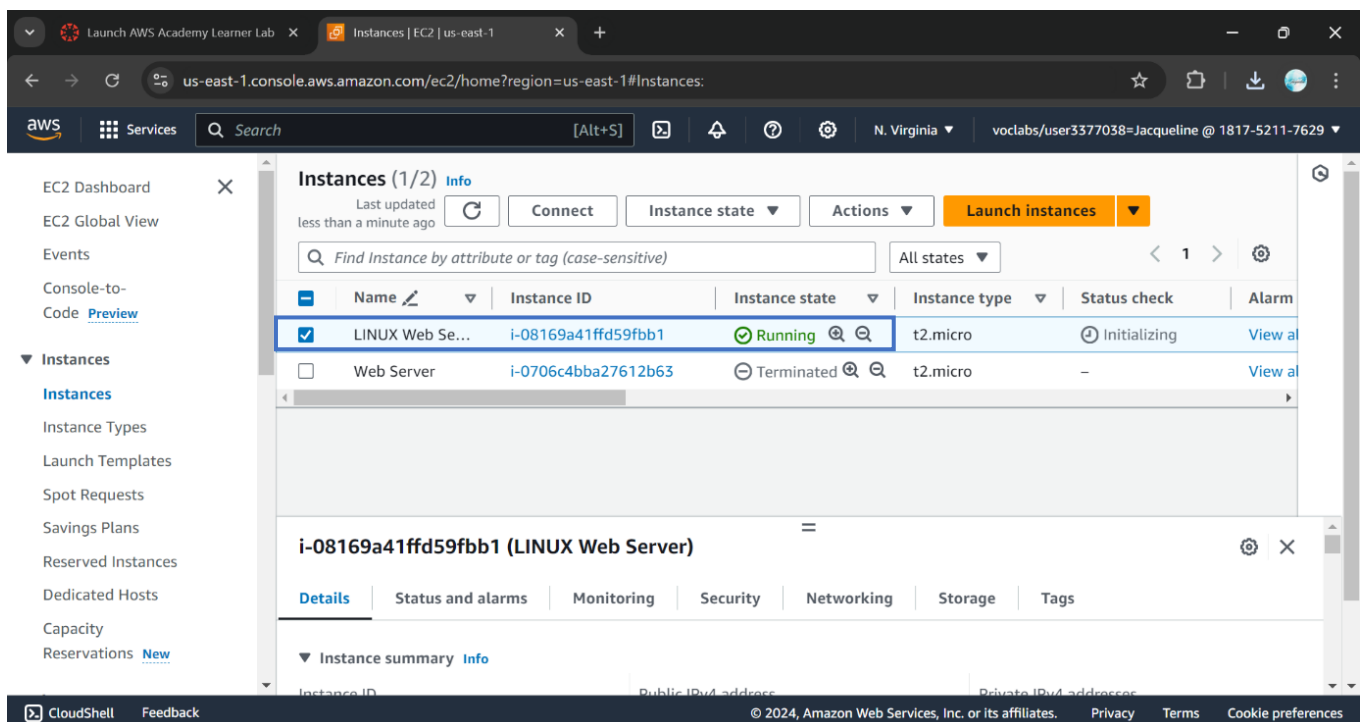
Step 5: Create Key pair by giving unique name for the key.



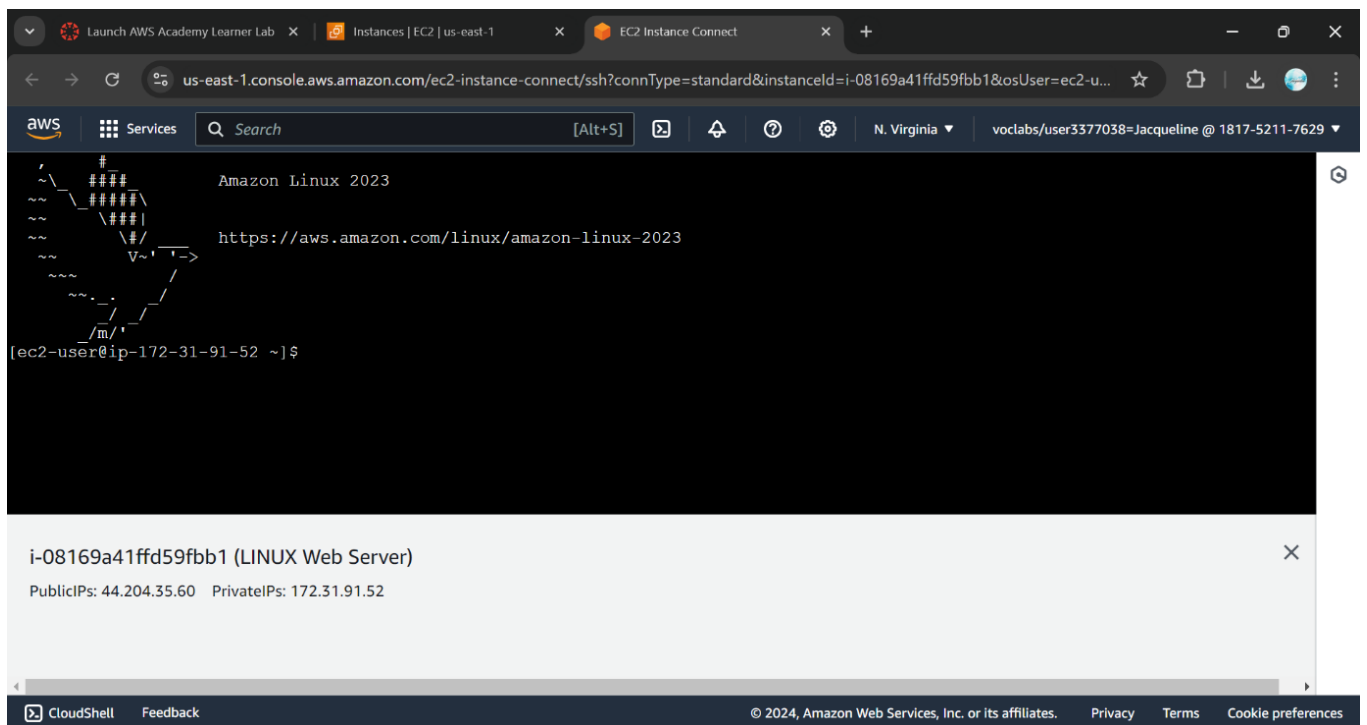
Step 6: Now launch the instance



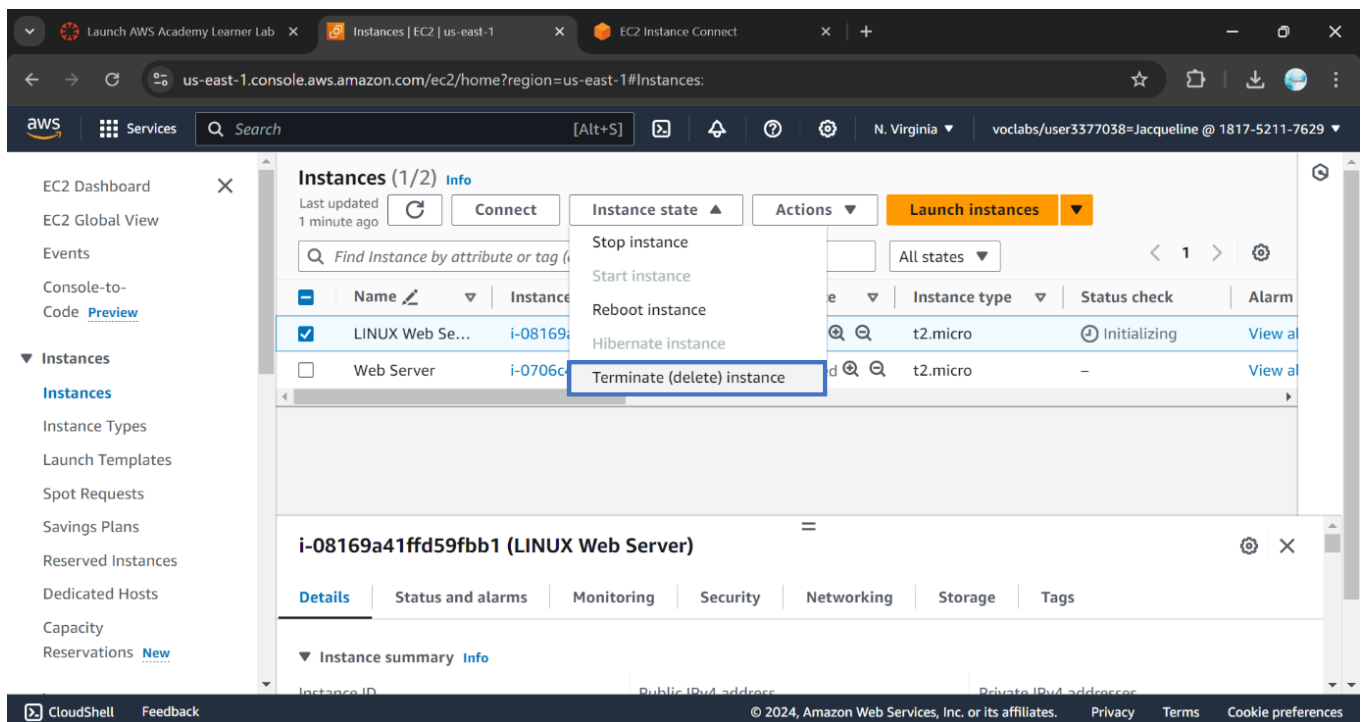
Step 7: Select the checkbox of the instance created and which should be in running state and then say connect.



Step 8: Later the Virtual Machine of Linux instance is created as follows.



Step 9: Select the instance type as 'Terminate' from instance state.



Step 10: Terminate the instance later and wait for the instance state to change into ‘Terminated’.

The screenshot shows the AWS Management Console for the 'us-east-1' region. The 'Instances' page displays two instances in a table:

	Name	Instance ID	Instance state	Instance type	Status check	Alarm
<input type="checkbox"/>	LINUX Web Se...	i-08169a41ffd59fbb1	Terminated	t2.micro	-	View al...
<input type="checkbox"/>	Web Server	i-0706c4bba27612b63	Terminated	t2.micro	-	View al...

Below the table, there is a 'Select an instance' section. The top navigation bar shows the user is logged in as 'voclabs/user3377038=Jacqueline @ 1817-5211-7629'.

Step 11: At the end logout from the account of AWS.

This screenshot shows the same AWS Management Console interface as the previous one, but with the user menu open on the right side. The menu displays the following information:

- Account ID: 1817-5211-7629
- Federated user: voclabs/user3377038=Jacqueline
- Account
- Organization
- Service Quotas
- Billing and Cost Management
- [Switch role](#)
- [Sign out](#)

The 'Instances' table below the menu shows the same two terminated instances. The 'Sign out' button is highlighted in orange.

Launch AWS Academy Learner Lab

Manage AWS Resources - AWS M

House.jpg (2000x1328)

awsacademy.instructure.com/courses/86436/modules/items/7859818

aws academy

Account

Dashboard

Courses

Calendar

Inbox

History

Help

Home

Modules

Discussions

Grades

Lucid

AWS

00:00

Start Lab

End Lab

AWS Details

Readme

Reset

Used \$0 of \$100

eee_w_3374460@runweb133396:~\$

EN-US

instances

might prompt

CodeWhisperer

to suggest

response =

ec2.describe_i

nstances() and

then authoring

#print

response might

prompt you to

Previous

Next