

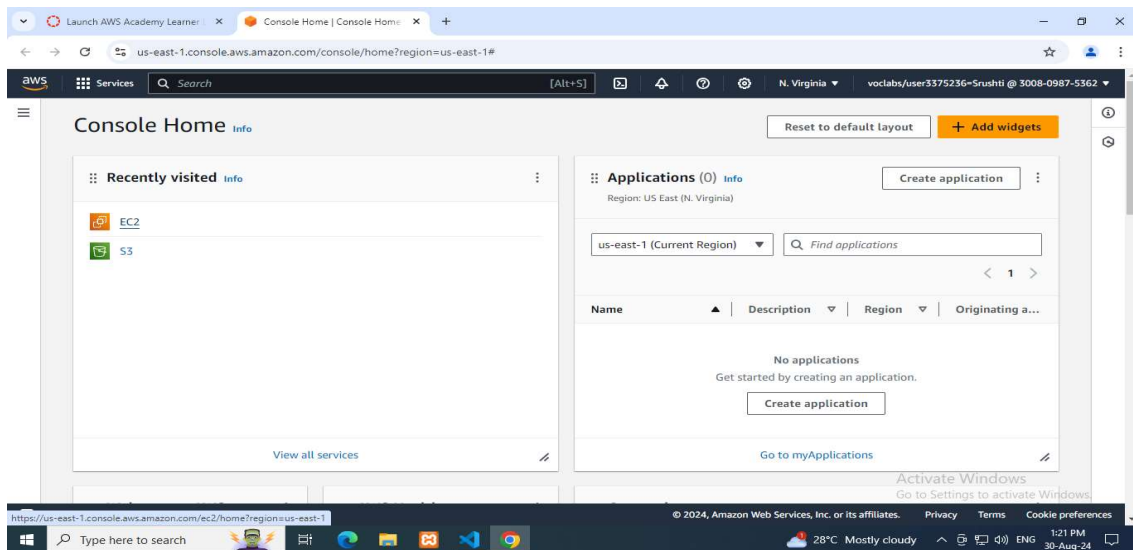
Assignment : 2

Name :Srushti Dattatray Pawar

Class: Msc CS Part 2

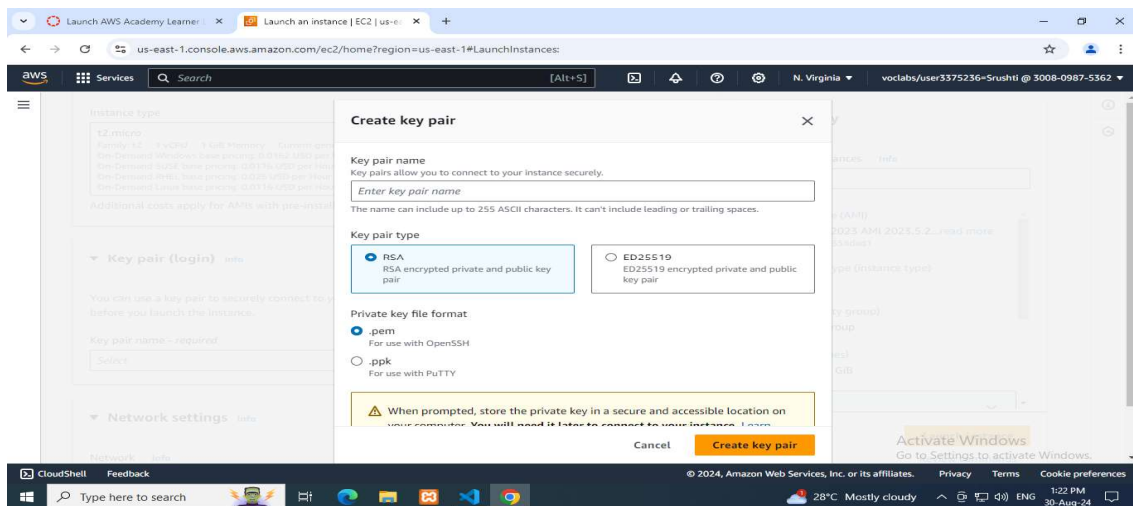
Q)Working and implementation of Infrastructure as a service Launch EC2 instance(Linux)-AWS Platform

Step 1:Login in to your AWS account and go to service->Compute->EC2



Step 2:Click on Launch Instance

Step3:Now in Name and tags,you can give name to the instance



Launch AWS Academy Learner | Launch an instance | EC2 | us-east-1

us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#LaunchInstances:

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Recents Quick Start

Amazon Linux macOS Ubuntu Windows Red Hat SUSE Linux

Amazon Machine Image (AMI)

Amazon Linux 2023 AMI
ami-066784287e358dad1 (64-bit (x86), uefi-preferred) / ami-023508951a94f0c71 (64-bit (Arm), uefi)
Virtualization: hvm ENA enabled: true Root device type: ebs

Description

Amazon Linux 2023 is a modern, general purpose Linux-based OS that comes with 5 years of long term support. It is optimized for AWS and designed to provide a secure, stable and high-performance execution environment to develop and run your cloud applications.

Architecture: 64-bit (x86) Boot mode: uefi-preferred AMI ID: ami-066784287e358dad1 Verified provider

Summary

Number of instances: 1

Software Image (AMI)
Amazon Linux 2023 AMI 2023.5.2...read more
ami-066784287e358dad1

Virtual server type (instance type)
t2.micro

Firewall (security group)
New security group

Storage (volumes)
1 volume(s) - 8 GiB

Cancel Launch Instance

Go to Settings to activate Windows

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Create billing alerts

Connect to instance

Learn more

EC2 instance and a database to allow traffic flow between them.

Connect an RDS database

Create a new RDS database

Learn more

Create EBS snapshot policy

Manage detailed monitoring

Enable or disable detailed monitoring for the instance. If you enable detailed monitoring, the Amazon EC2 console displays monitoring graphs with a 1-minute period.

Manage detailed monitoring

Create Load Balancer

Create a application, network gateway or classic Elastic Load Balancer

Create Load Balancer

Create AWS budget

AWS Budgets allows you to create budgets, forecast spend, and take action on your costs and usage from a single location.

Create AWS budget

Manage CloudWatch alarms

Create or update Amazon CloudWatch alarms for the instance.

Manage CloudWatch alarms

View all instances

Go to Settings to activate Windows

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Launch AWS Academy Learner

Instances | EC2 | us-east-1

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aws

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EC2 Dashboard

EC2 Global View

Events

Console-to-Code

Instances

Instance Types

Launch Templates

Spot Requests

Savings Plans

Reserved Instances

Dedicated Hosts

Capacity

Reservations

Images

AMIs

AMI Catalog

Instances (1/3) Info

Last updated less than a minute ago

Connect

Instance state

Actions

Launch Instances

Find Instance by attribute or tag (case-sensitive)

All states

	Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability
<input type="checkbox"/>	Ass2	i-0ec17ea0e23317d63	Terminated	t2.micro	-	View alarms	us-east-1a
<input checked="" type="checkbox"/>	Assg2	i-0265f4b32c1f91615	Running	t2.micro	Initializing	View alarms	us-east-1a
<input type="checkbox"/>	Ass2	i-0f1822b400191f046	Terminated	t2.micro	-	View alarms	us-east-1a

i-0265f4b32c1f91615 (Assg2)

DetailsStatus and alarmsMonitoringSecurityNetworkingStorageTags

Instance summary Info

Instance ID

i-0265f4b32c1f91615 (Assg2)

Public IPv4 address

54.235.233.23 | open address

Private IPv4 addresses

172.31.95.208

IPv6 address

-

Instance state

Running

Public IPv4 DNS

ec2-54-235-233-23.compute-1.amazonaws.com | open address

CloudShell

Feedback

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Launch AWS Academy Learner x Instances | EC2 | us-east-1 x +

us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#Instances:

aws Services Search [Alt+S] N. Virginia voclabs/user3375236-Srushti @ 3008-0987-5362

EC2 Dashboard x

EC2 Global View

Events

Console-to-Code Preview

▼ Instances

Instances

Instance Types

Launch Templates

Spot Requests

Savings Plans

Reserved Instances

Dedicated Hosts

Capacity

Reservations New

▼ Images

AMIs

AMI Catalog

Instances (1/3) info

Last updated less than a minute ago

Connect Instance state Actions Launch Instances

Find Instance by attribute or tag (case-sensitive) All states

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability
Ass2	i-0ec17ea0e23317d63	Terminated	t2.micro	-	View alarms +	us-east-1a
Assg2	i-0265f4b32c1f91615	Running	t2.micro	2/2 checks passed	View alarms +	us-east-1a
Ass2	i-0f1822b400191f046	Terminated	t2.micro	-	View alarms +	us-east-1a

i-0265f4b32c1f91615 (Assg2)

Details Status and alarms Monitoring Security Networking Storage Tags

▼ Instance summary info

Instance ID i-0265f4b32c1f91615 (Assg2)

Public IPv4 address 54.235.233.23 | open address

Private IPv4 addresses 172.31.95.208

IPv6 address -

Instance state Running

Public IPv4 DNS ec2-54-235-233-23.compute-1.amazonaws.com | open address | go to Settings to activate Windows.

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Launch AWS Academy Learner x Instances | EC2 | us-east-1 x +

us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#Instances:

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EC2 Dashboard x

EC2 Global View

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i-0265f4b32c1f91615 (Assg2)

Details Status and alarms Monitoring Security Networking Storage Tags

▼ Instance summary info

Instance ID i-0265f4b32c1f91615 (Assg2)

Public IPv4 address 54.235.233.23 | open address

Private IPv4 addresses 172.31.95.208

IPv6 address -

Instance state Running

Public IPv4 DNS ec2-54-235-233-23.compute-1.amazonaws.com | open address | go to Settings to activate Windows.

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PuTTY Key Generator

File Key Conversions Help

Key No key

Actions

Generate a public/private key pair Generate

Load an existing private key file Load

Save the generated key Save public key Save private key

Parameters

Type of key to generate: ☒ RSA ☐ DSA ☐ ECDSA ☐ EdDSA ☐ SSH-1 (RSA)

Number of bits in a generated key: 2048

Launch AWS Academy Learner | Instances | EC2 | us-east-1

us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#Instances:

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Instances (1/3) info Last updated less than a minute ago

Find Instance by attribute or tag (case-sensitive) All states

Name	Instance ID	Instance state	Instance type	State
Ass2	i-0ec17ea0e23317d63	Terminated	t2.micro	-
Assg2	i-0265f4b32c1f91615	Running	t2.micro	✓
Ass2	i-0f1822b400191f046	Terminated	t2.micro	-

Actions Launch instances

- Connect
- View details
- Manage instance state
- Instance settings
- Networking
- Security
- Image and templates
- Monitor and troubleshoot

Availability: us-east-1a

Instance settings: us-east-1a

Networking: us-east-1a

Security: us-east-1a

Image and templates: us-east-1a

Monitor and troubleshoot: us-east-1a

i-0265f4b32c1f91615 (Assg2)

Details Status and alarms Monitoring Security Networking Storage Tags

▼ Instance summary info

Instance ID i-0265f4b32c1f91615 (Assg2)

Public IPv4 address 54.235.233.23 | open address

Private IPv4 addresses 172.31.95.208

Instance state Running

Public IPv4 DNS ec2-54-235-233-23.compute-1.amazonaws.com | open address

IPv6 address -

Go to Settings to activate Windows.

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Launch AWS Academy Learner | Connect to instance | EC2 | us-east-1

us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#ConnectToInstance?instanceId=i-0265f4b32c1f91615

Services Search [Alt+S] N. Virginia voclabs/user3375236-Srushti @ 3008-0987-5362

EC2 Instance Connect Session Manager SSH client EC2 serial console

Instance ID i-0265f4b32c1f91615 (Assg2)

1. Open an SSH client.
2. Locate your private key file. The key used to launch this instance is Assg2.1.pem
3. Run this command, if necessary, to ensure your key is not publicly viewable.
chmod 400 "Assg2.1.pem"
4. Connect to your instance using its Public DNS:
ec2-54-235-233-23.compute-1.amazonaws.com

Example:
ssh -i "Assg2.1.pem" ec2-user@ec2-54-235-233-23.compute-1.amazonaws.com

Note: In most cases, the guessed username is correct. However, read your AMI usage instructions to check if the AMI owner has changed the default AMI username.

Cancel

Activate Windows
Go to Settings to activate Windows.

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```

ec2-user@ip-172-31-95-208:~
login as: ec2-user
Authenticating with public key "Assg2.1"

  ____      _
 / ___|  __| | | |
| |___| | | | | | |
 \___|_| |_| |_| |_|

Amazon Linux 2023

https://aws.amazon.com/linux/amazon-linux-2023

[ec2-user@ip-172-31-95-208 ~]$

```