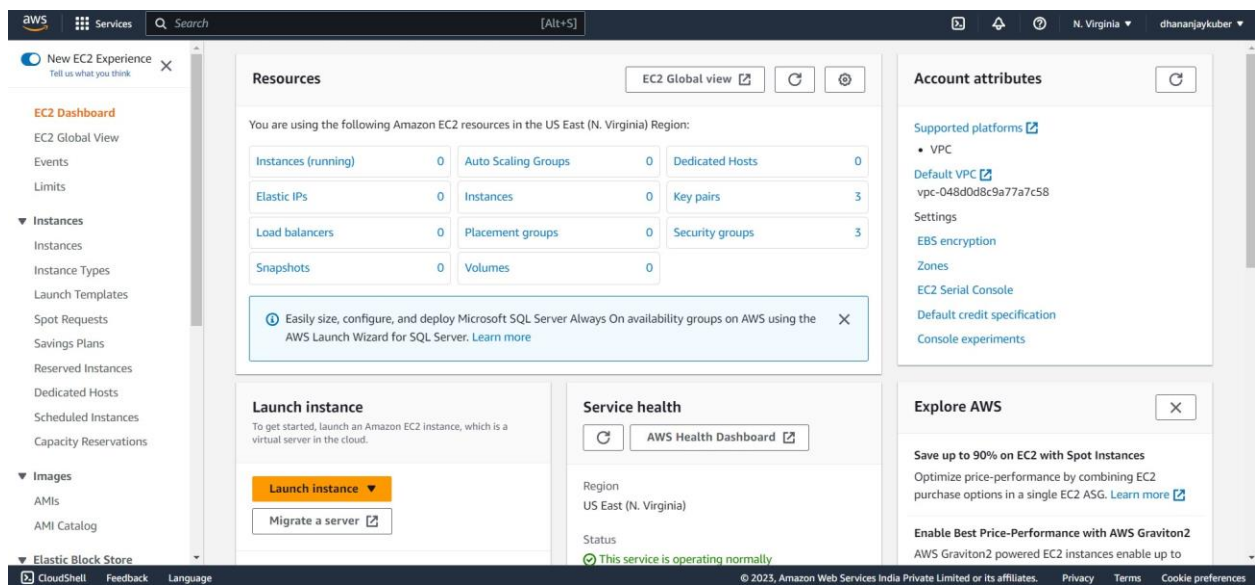


Name: Kaustubh Sagale
Roll No: 37054
Subject: Cloud Computing

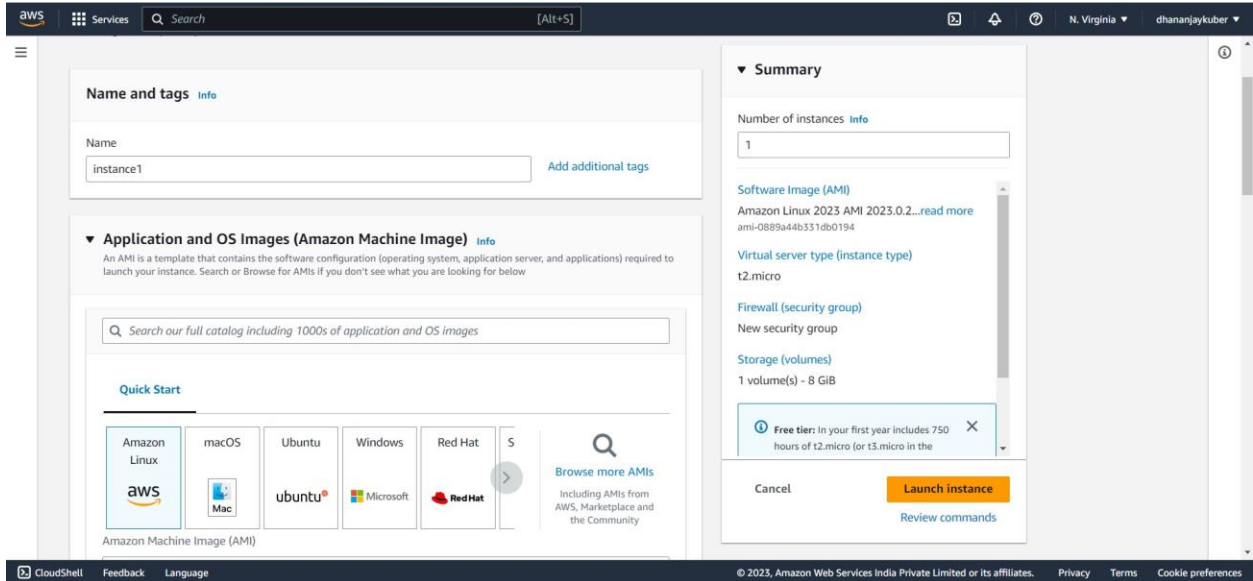
Lab Assignment No. 05

Title: Find a procedure to launch a virtual machine using try stack (Online Open stack Demo Version)

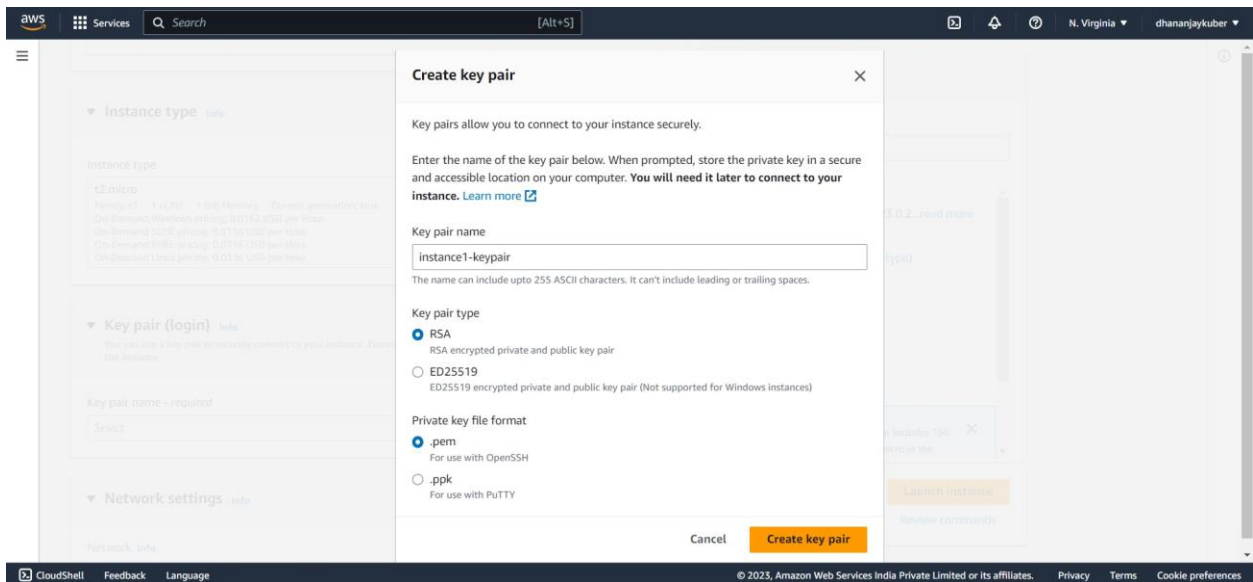
1) Log in to the AWS console and search for the EC2 service



- 2) Go to Instance → Launch Instance
- a) Give a name to the instance
 - b) Select image for machine



3) Create a key-pair value for instance



4) Launch the instance

To set up an endpoint, for example when creating a web server

Rules with source of 0.0.0.0/0 allow all IP addresses to access your instance. We recommend setting security group rules to allow access from known IP addresses only.

Configure storage [Info](#) [Advanced](#)

1x 8 GiB gp3 Root volume (Not encrypted)

Free tier eligible customers can get up to 30 GB of EBS General Purpose (SSD) or Magnetic storage

Add new volume

0 x File systems [Edit](#)

Advanced details [Info](#)

Summary

Number of instances [Info](#)
1

Software Image (AMI)
Amazon Linux 2023 AMI 2023.0.2...[read more](#)
ami-0889a44b331db0194

Virtual server type (instance type)
t2.micro

Firewall (security group)
New security group

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

Cancel **Launch instance** [Review commands](#)

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instance1-keypair.pem [Show all](#)

EC2 > Instances > Launch an instance

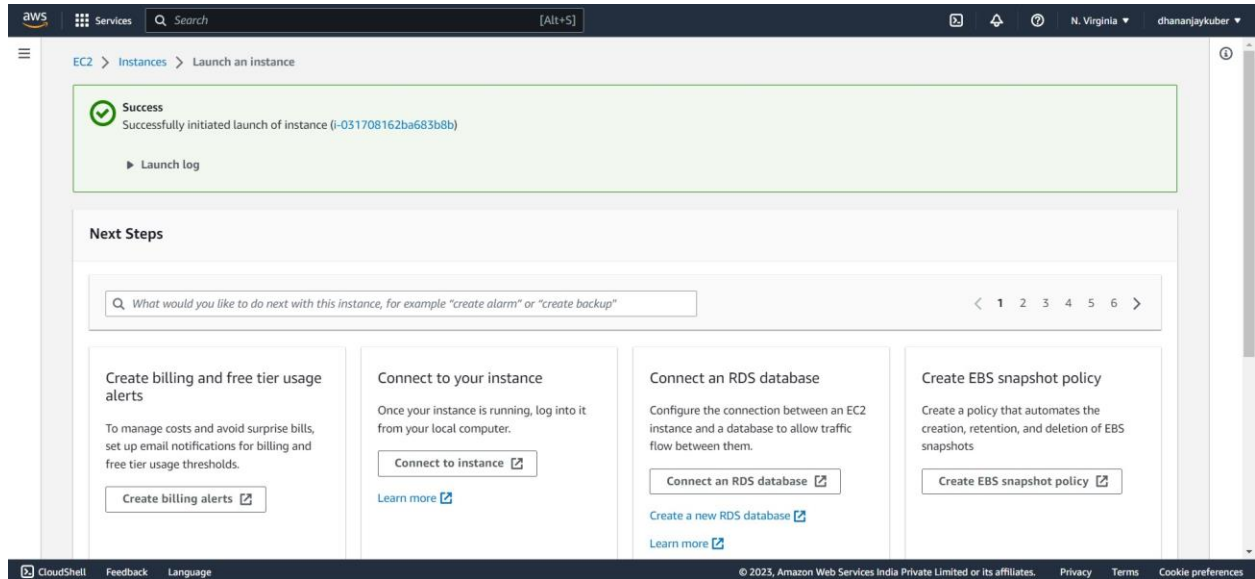
Launching instance

Please wait while we launch your instance.
Do not close your browser while this is loading.

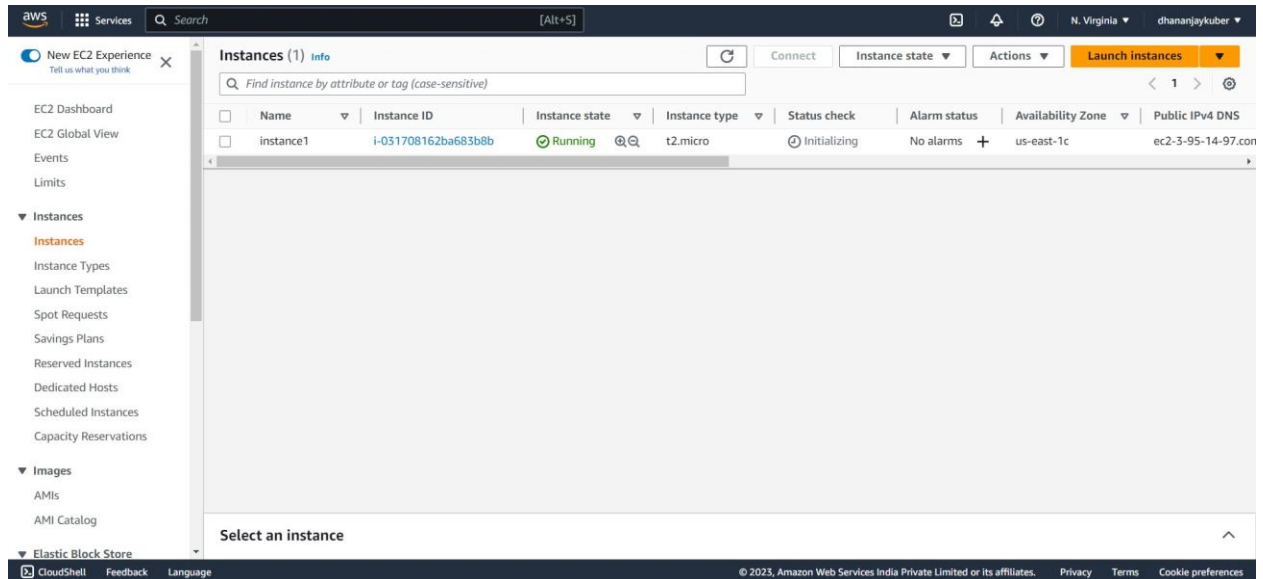
Launch initiation 69%

[Details](#)

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5) Check whether the instance is created or not



aws Services Search [Alt+S] N. Virginia dhananjaykuber

New EC2 Experience Tell us what you think

EC2 Dashboard
EC2 Global View
Events
Limits

Instances

Instances

Instance Types
Launch Templates
Spot Requests
Savings Plans
Reserved Instances
Dedicated Hosts
Scheduled Instances
Capacity Reservations

Images

AMIs
AMI Catalog

Elastic Block Store

CloudShell Feedback Language

Instances (1/1) Info

Find instance by attribute or tag (case-sensitive)

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 DNS
instance1	i-031708162ba683b8b	Running	t2.micro	Initializing	No alarms +	us-east-1c	ec2-3-95-14-97.c

Instance: i-031708162ba683b8b (instance1)

Details Security Networking Storage Status checks Monitoring Tags

Instance summary Info

Instance ID i-031708162ba683b8b (instance1)	Public IPv4 address 3.95.14.97 open address	Private IPv4 addresses 172.31.30.223
IPv6 address -	Instance state Running	Public IPv4 DNS ec2-3-95-14-97.compute-1.amazonaws.com open address
Hostname type IP name: ip-172-31-30-223.ec2.internal	Private IP DNS name (IPv4 only) ip-172-31-30-223.ec2.internal	Elastic IP addresses -
Answer private resource DNS name IPv4 (A)	Instance type t2.micro	

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6) Go to Elastic Block Storage → Volumes

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New EC2 Experience Tell us what you think

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EC2 > Volumes > vol-08104ae4a05ff2f3a

vol-08104ae4a05ff2f3a

Actions Delete Modify

Volume ID vol-08104ae4a05ff2f3a	Size 8 GiB	Type gp3	Volume status Okay
AWS Compute Optimizer finding Opt-in to AWS Compute Optimizer for recommendations. Learn more	Volume state In-use	IOPS 3000	Throughput 125
Encryption Not encrypted	KMS key ID -	KMS key alias -	KMS key ARN -
Fast snapshot restored No	Snapshot snap-06c467df960bc252f	Availability Zone us-east-1c	Created Wed May 10 2023 14:30:53 GMT+0530 (India Standard Time)
Multi-Attach enabled No	Attached Instances i-031708162ba683b8b (instance1): /dev/xvda (attached)	Outposts ARN -	

Status checks Monitoring Tags

Volume status
Okay

Availability Zone
us-east-1c

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The screenshot shows the AWS Management Console for an EC2 instance. The left sidebar contains navigation links for EC2 Dashboard, EC2 Global View, Events, Limits, Instances, Images, and Elastic Block Store. The main content area is titled 'Storage' and shows details for the root device and block devices. The root device is a 8 GiB EBS volume named /dev/xvda. The block devices table shows one attached volume: vol-08104ae4a05ff2f3a, 8 GiB, attached at 2023/05/10 14:30 GMT+5:30. The 'Recent root volume replacement tasks' section shows no recent tasks.

Volume ID	Device name	Volume size (GiB)	Attachment status	Attachment time	Encrypted	KMS key ID
vol-08104ae4a05ff2f3a	/dev/xvda	8	Attached	2023/05/10 14:30 GMT+5:30	No	-

7) Connect to Instance

The screenshot shows the 'Connect to instance' page in the AWS Management Console. The page provides options to connect to the instance using EC2 Instance Connect, Session Manager, SSH client, or EC2 serial console. The EC2 Instance Connect tab is selected, showing the instance ID, public IP address, and a user name field. A note indicates that the default user name, ec2-user, is correct, but users should check the AMI usage instructions if the AMI owner has changed the default AMI user name.

EC2 Instance Connect | Session Manager | SSH client | EC2 serial console


Instance ID
i-031708162ba683b8b (instance1)

Public IP address
3.95.14.97

User name
ec2-user

Note: In most cases, the default user name, ec2-user, is correct. However, read your AMI usage instructions to check if the AMI owner has changed the default AMI user name.

Cancel **Connect**



The screenshot shows an AWS CloudShell terminal window. At the top, there's a navigation bar with the AWS logo, 'Services', a search bar, and a keyboard shortcut '[Alt+S]'. On the right, there are icons for a document, a bell, and a question mark, along with the text 'N. Virginia' and 'dhananjaykuber'. The terminal itself has a dark background with light green text. It shows the command 'amazon-linux-2023' being entered, followed by the URL 'https://aws.amazon.com/linux/amazon-linux-2023'. Below this, there's a prompt 'ec2-user@ip-172-31-30-223 ~]\$'.

aws Services Q Search [Alt+S]

N. Virginia dhananjaykuber

Amazon Linux 2023

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

ec2-user@ip-172-31-30-223 ~]\$

i-031708162ba683b8b (instance1)

PublicIPs: 3.95.14.97 PrivateIPs: 172.31.30.223

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