

Name: Dhananjay Narayan Kuber

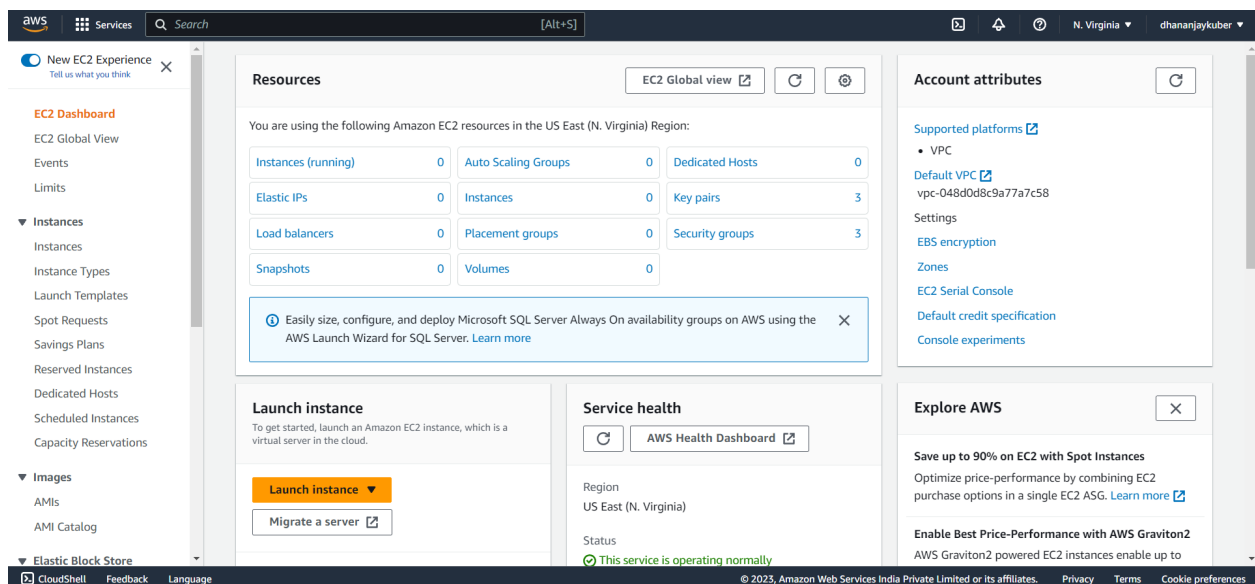
Roll No.: 35036

Subject: Cloud Computing

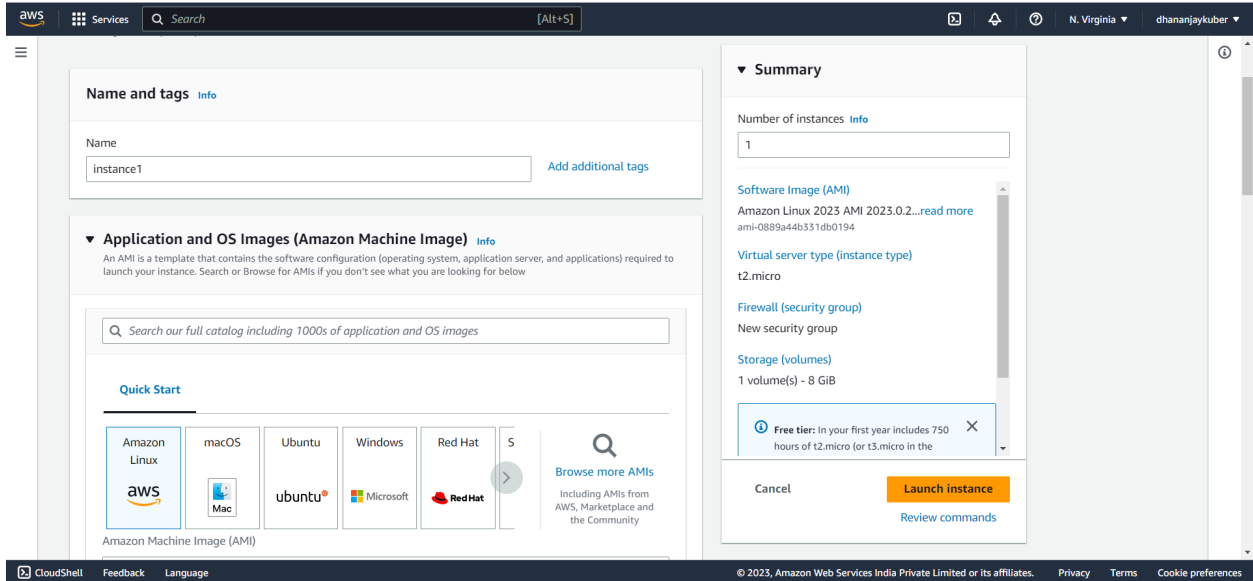
Lab Assignment No. 05

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

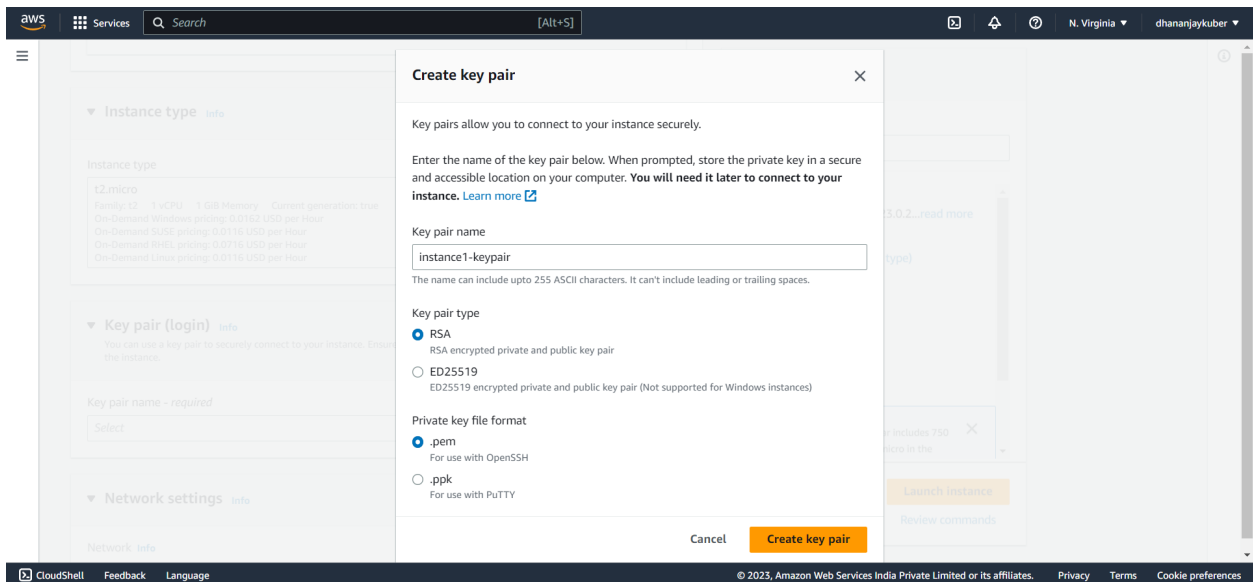
1) Log in to the AWS console and search for the EC2 service



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

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.

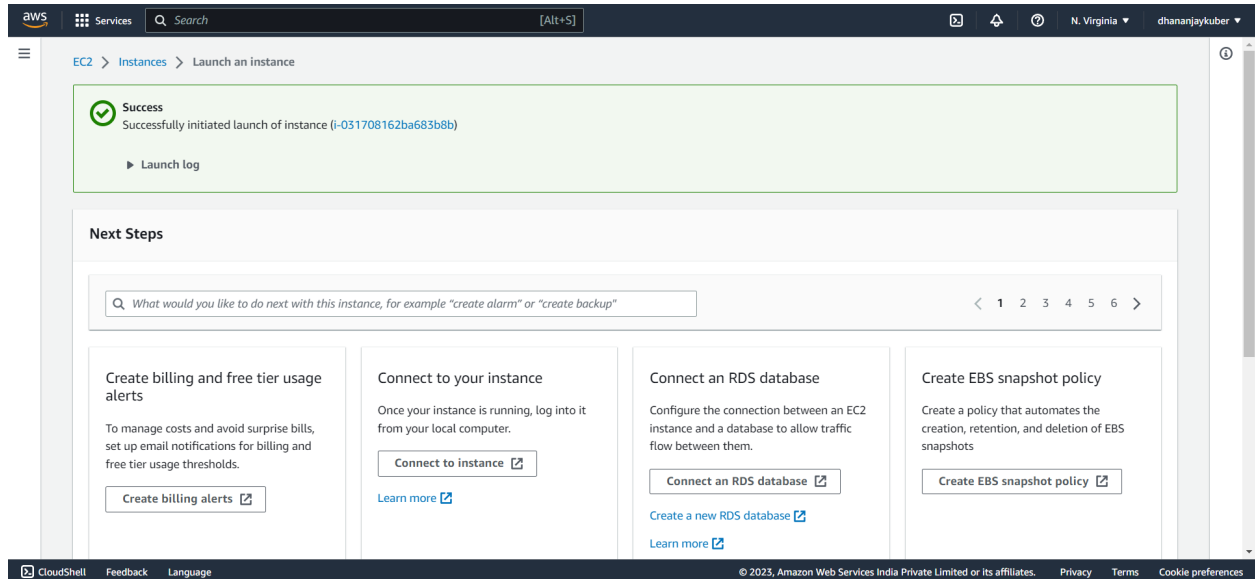
Launch initiation

69%

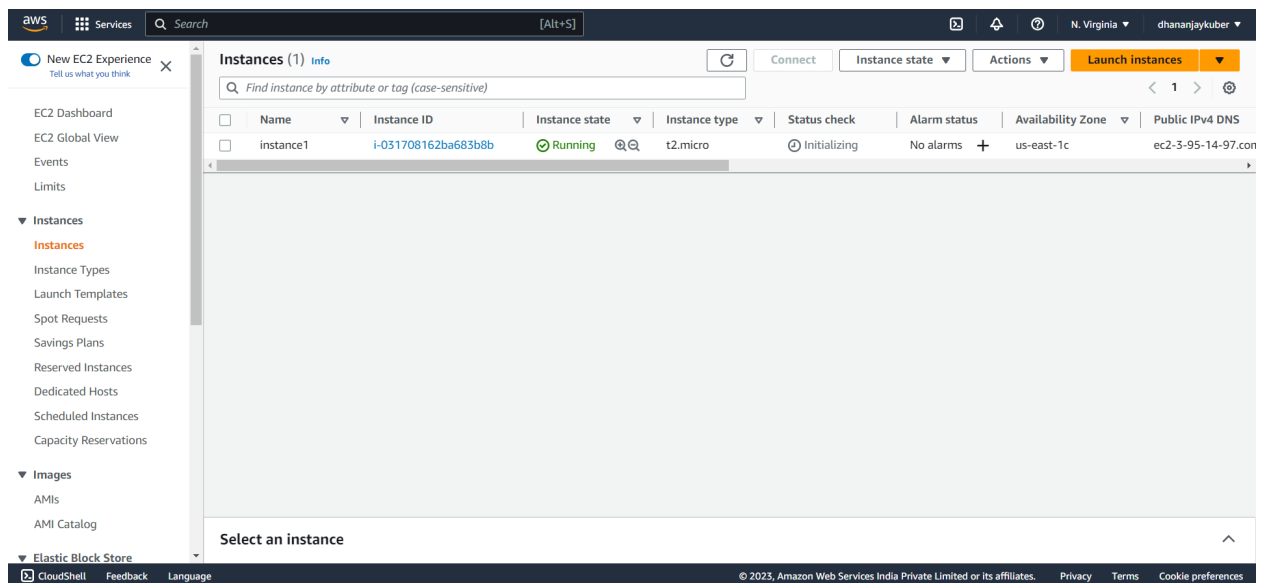
Details

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5) Check whether the instance is created or not



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New EC2 Experience Tell us what you think

EC2 Dashboard
EC2 Global View
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Limits

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Dedicated Hosts
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Capacity Reservations

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▼ Elastic Block Store

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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

Connect Instance state Actions Launch instances

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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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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IAM Role
-

Subnet ID
subnet-034bc043e8a55d6fc

Auto Scaling Group name
-

IMDSv2
Required

Details Security Networking **Storage** Status checks Monitoring Tags

▼ Root device details

Root device name
/dev/xvda

Root device type
EBS

EBS optimization
disabled

▼ Block devices

Filter block devices

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	-

▼ Recent root volume replacement tasks

Filter tasks

Task ID	Task state	Start time	Completion time	Tags
No recent replace root volume tasks				

Replace root volume

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7) Connect to Instance

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EC2 > Instances > i-031708162ba683b8b > Connect to instance

Connect to instance Info

Connect to your instance i-031708162ba683b8b (instance1) using any of these options

EC2 Instance Connect Session Manager SSH client EC2 serial console

Instance ID
i-031708162ba683b8b (instance1)

Public IP address
3.95.14.97

User name
Enter the user name defined in the AMI used to launch the instance. If you didn't define a custom user name, use the default user name, ec2-user.
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

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[illegible]