

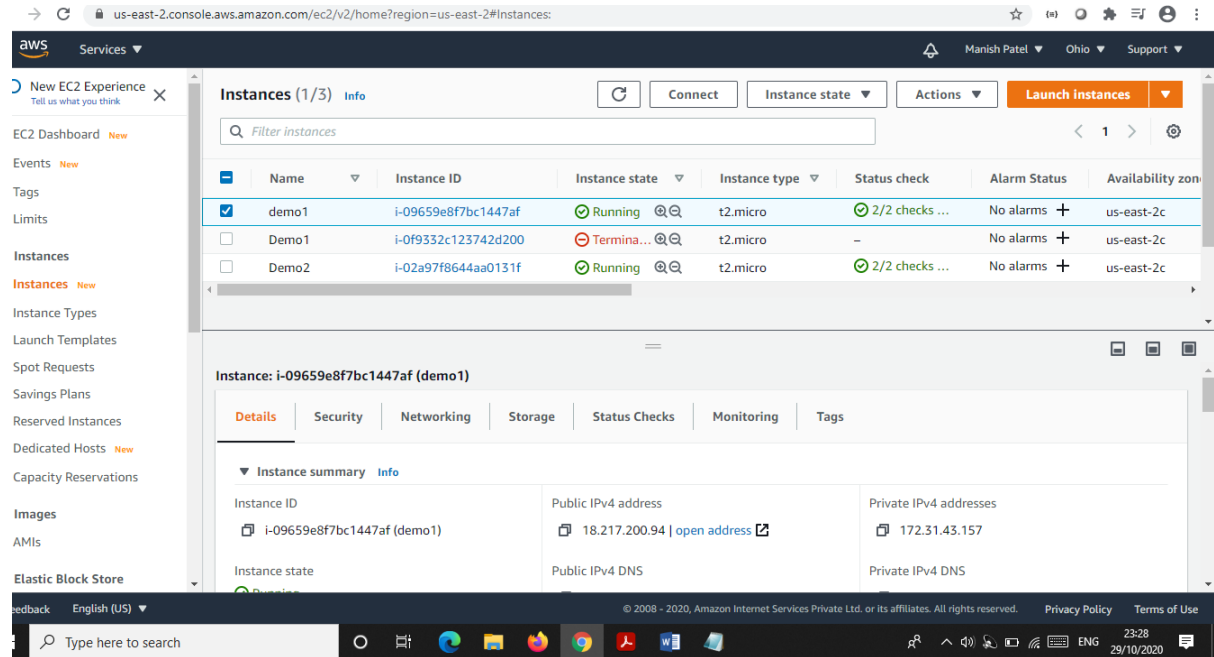
Assignment Day 9| 24th October 2020

Manish Patel

Project 3:

Step1: Create two linux instances, Use the first free linux AMI

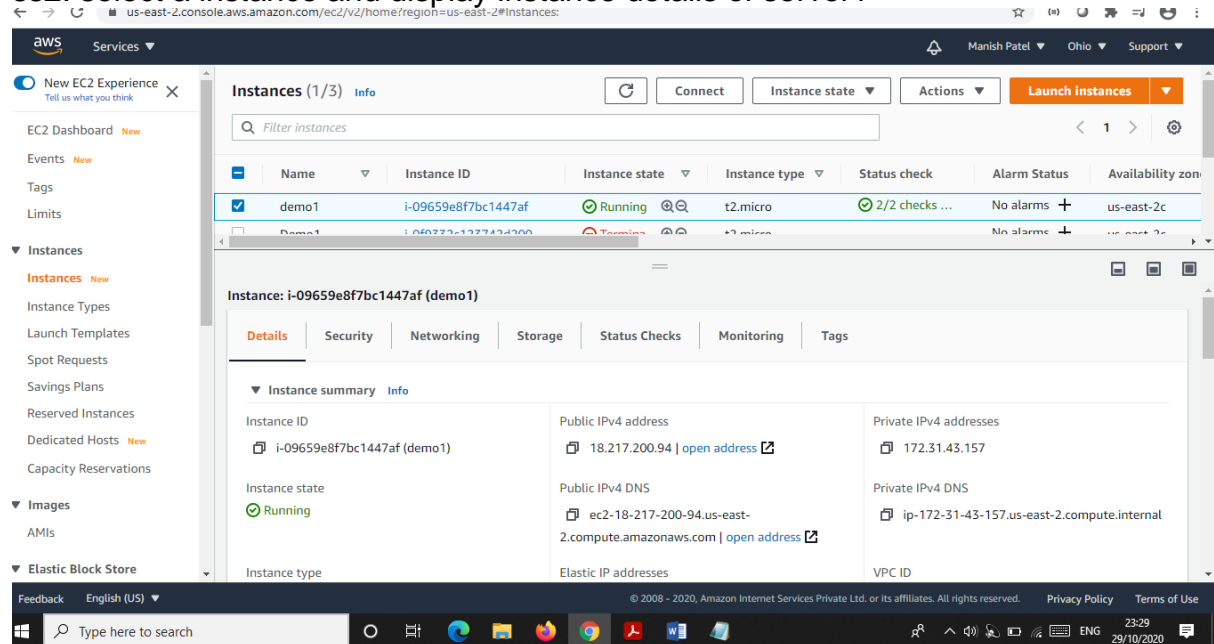
ss1: instances list



The screenshot shows the AWS Management Console interface. The left sidebar contains navigation links for EC2 Dashboard, Events, Tags, Limits, Instances, Instance Types, Launch Templates, Spot Requests, Savings Plans, Reserved Instances, Dedicated Hosts, Capacity Reservations, Images, AMIs, and Elastic Block Store. The main content area displays a table of instances. The table has columns for Name, Instance ID, Instance state, Instance type, Status check, Alarm Status, and Availability zone. Three instances are listed: demo1 (Running), Demo1 (Terminated), and Demo2 (Running). Below the table, the details for instance i-09659e8f7bc1447af (demo1) are shown, including Instance ID, Instance state, Public IPv4 address, Private IPv4 addresses, Public IPv4 DNS, and Private IPv4 DNS.

Name	Instance ID	Instance state	Instance type	Status check	Alarm Status	Availability zone
demo1	i-09659e8f7bc1447af	Running	t2.micro	2/2 checks ...	No alarms	us-east-2c
Demo1	i-0f9332c123742d200	Terminated	t2.micro	-	No alarms	us-east-2c
Demo2	i-02a97f8644aa0131f	Running	t2.micro	2/2 checks ...	No alarms	us-east-2c

ss2: select a instance and display instance details of server1



The screenshot shows the AWS Management Console interface with the details of instance i-09659e8f7bc1447af (demo1) expanded. The details are organized into sections: Instance summary, Instance state, Public IPv4 address, Private IPv4 addresses, Public IPv4 DNS, Private IPv4 DNS, Elastic IP addresses, and VPC ID. The instance is in a Running state. The public IPv4 address is 18.217.200.94, and the private IPv4 address is 172.31.43.157. The public IPv4 DNS is ec2-18-217-200-94.us-east-2.compute.amazonaws.com, and the private IPv4 DNS is ip-172-31-43-157.us-east-2.compute.internal. The elastic IP addresses and VPC ID are also listed.

Instance summary	Instance state	Public IPv4 address	Private IPv4 addresses	Public IPv4 DNS	Private IPv4 DNS	Elastic IP addresses	VPC ID
i-09659e8f7bc1447af (demo1)	Running	18.217.200.94	172.31.43.157	ec2-18-217-200-94.us-east-2.compute.amazonaws.com	ip-172-31-43-157.us-east-2.compute.internal		

ss3:select a instance and display instance details of server2

The screenshot shows the AWS Management Console interface. On the left, the navigation menu includes 'New EC2 Experience', 'EC2 Dashboard', 'Events', 'Tags', 'Limits', 'Instances', 'Instance Types', 'Launch Templates', 'Spot Requests', 'Savings Plans', 'Reserved Instances', 'Dedicated Hosts', 'Capacity Reservations', 'Images', and 'VPCs'. The 'Instances' section is active, showing a list of two instances: 'Demo1' and 'Demo2'. 'Demo2' is selected, and its details are displayed in the main pane. The details pane shows the 'Instance summary' tab, which includes the instance ID, name, state, type, and various IP addresses and DNS names.

Name	Instance ID	Instance state	Instance type	Status check	Alarm Status	Availability zone
Demo1	i-0f9332c123742d200	Running	t2.micro	2/2 checks ...	No alarms	us-east-2c
Demo2	i-02a97f8644aa0131f	Running	t2.micro	2/2 checks ...	No alarms	us-east-2c

Instance: i-02a97f8644aa0131f (Demo2)

Details | Security | Networking | Storage | Status Checks | Monitoring | Tags

Instance summary | Info

Instance ID	Public IPv4 address	Private IPv4 addresses
i-02a97f8644aa0131f (Demo2)	3.137.204.26 open address	172.31.44.182

Instance state	Public IPv4 DNS	Private IPv4 DNS
Running	ec2-3-137-204-26.us-east-2.compute.amazonaws.com open address	ip-172-31-44-182.us-east-2.compute.internal

ss4:Status:Active running- black screen

The screenshot shows a terminal window with the following output:

```
<div class="container" style="background-color:#f1f1f1">
  <button type="button" class="cancelbtn">Cancel</button>
  <span class="psw">Forgot <a href="#">password?</a></span>
</div>
</form>
root@ip-172-31-44-182 html# service httpd start
redirecting to /bin/systemctl start httpd.service
root@ip-172-31-44-182 html# service httpd status
redirecting to /bin/systemctl status httpd.service
httpd.service - The Apache HTTP Server
Loaded: loaded (/usr/lib/systemd/system/httpd.service; disabled; vendor preset: disabled)
Active: active (running) since Thu 2020-10-29 17:03:50 UTC; 1min 8s ago
Docs: man:httpd.service(8)
Main PID: 4053 (httpd)
Status: "Total requests: 0; Idle/Busy workers 100/0;Requests/sec: 0; Bytes served/sec: 0 B/sec"
CGroup: /system.slice/httpd.service
├─4053 /usr/sbin/httpd -DFOREGROUND
├─4054 /usr/sbin/httpd -DFOREGROUND
├─4055 /usr/sbin/httpd -DFOREGROUND
├─4056 /usr/sbin/httpd -DFOREGROUND
├─4057 /usr/sbin/httpd -DFOREGROUND
└─4058 /usr/sbin/httpd -DFOREGROUND


ct 29 17:03:50 ip-172-31-44-182.us-east-2.compute.internal systemd[1]: Starting The Apache HTTP Server...
ct 29 17:03:50 ip-172-31-44-182.us-east-2.compute.internal systemd[1]: Started The Apache HTTP Server.
root@ip-172-31-44-182 html#
```

i-02a97f8644aa0131f (Demo2)

Public IPs: 3.137.204.26 Private IPs: 172.31.44.182

ss5:username password page


← → ↻ ⚠ Not secure | 18.217.200.94 ☆ (n) 🔍 📄 ⚙

 **User Name** **Password** ☒ Remember me



ss6:userid passkey

← → ↻ ⚠ Not secure | 3.137.204.26 ☆ (n) 🔍 📄 ⚙

 **User ID** **Passkey** ☒ Remember me



s7:Load balancer screenshot

The screenshot displays the AWS Management Console interface. On the left, the navigation pane shows various services, with 'Load Balancing' expanded and 'Load Balancers' selected. The main content area shows the configuration for the 'demolb1' load balancer. The 'Basic Configuration' tab is active, displaying the following details:

Property	Value
Name	demolb1
ARN	arn:aws:elasticloadbalancing:us-east-2:803358217356:loadbalancer/app/demolb1/7bcd208812b19270
DNS name	demolb1-1198521722.us-east-2.elb.amazonaws.com (A Record)
State	active
Type	application
Scheme	internet-facing
IP address type	ipv4

The top of the console shows a table with columns: Name, DNS name, State, VPC ID, Availability Zones, and Type. The 'demolb1' instance is listed with its corresponding details.

Step6:Check the functioning of ELB using the DNS of the ELB
use the dns
ss8:reply from server1

The screenshot shows a web browser window with the address bar displaying 'demolb1-1198521722.us-east-2.elb.amazonaws.com'. The page is a login form with the following fields and buttons:

- Avatar
- User Name: [Enter Name]
- Password: [Enter Password]
- Login button
- Remember me checkbox (checked)
- Cancel button
- Forgot password? link

The screenshot shows the Windows taskbar and system tray. The taskbar includes the Start button, a search bar, and several pinned application icons (Edge, File Explorer, Chrome, Word, etc.). The system tray shows the date and time as 23:36 on 29/10/2020.

ss9:reply from server2

NOT SECURE | demomail-1120061122-us-east-2.elb.amazonaws.com

Avatar
UserID Enter UserID Passkey Enter Passkey ☒ Remember me

