

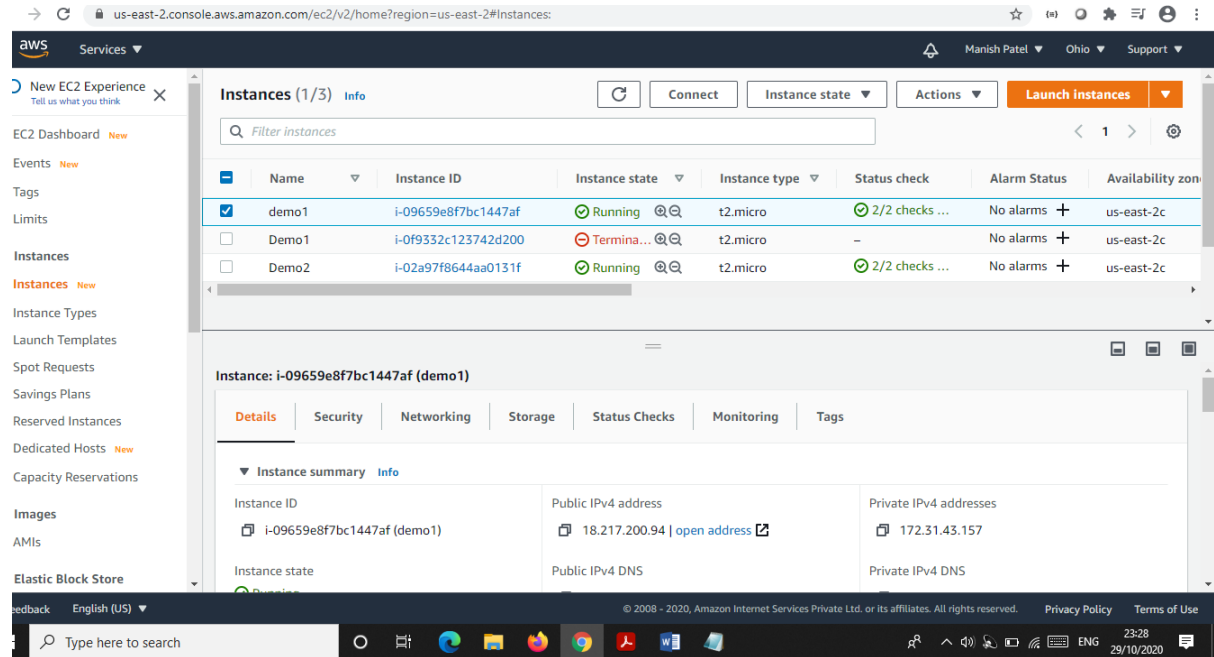
# Assignment Day 8| 24th October 2020

## Manish Patel

### Project 3:

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

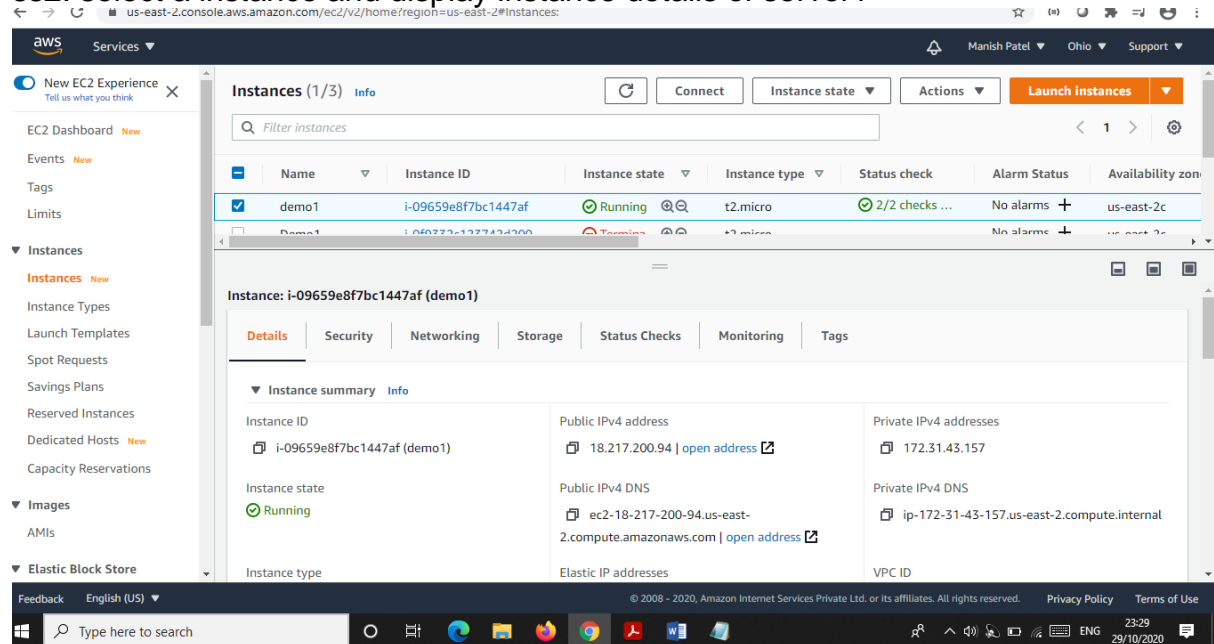
ss1: instances list



The screenshot shows the AWS Management Console interface. The top navigation bar includes the AWS logo, 'Services', and user information (Manish Patel, Ohio, Support). The left sidebar contains various navigation options like 'New EC2 Experience', '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 EC2 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, t2.micro), 'Demo1' (Terminated, t2.micro), and 'Demo2' (Running, t2.micro). Below the table, the details for instance 'i-09659e8f7bc1447af (demo1)' are shown, including Instance ID, Instance state (Running), Public IPv4 address (18.217.200.94), Private IPv4 addresses (172.31.43.157), 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, similar to the previous one, but with the details for instance 'i-09659e8f7bc1447af (demo1)' expanded. The 'Instance summary' section shows the Instance ID, Instance state (Running), Public IPv4 address (18.217.200.94), Private IPv4 addresses (172.31.43.157), Public IPv4 DNS (ec2-18-217-200-94.us-east-2.compute.amazonaws.com), and Private IPv4 DNS (ip-172-31-43-157.us-east-2.compute.internal). The 'Instance type' is t2.micro. The 'Elastic IP addresses' and 'VPC ID' sections are also visible.

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

## 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 'VPC'. 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' with the following information:

Instance summary		
Instance ID	Public IPv4 address	Private IPv4 addresses
i-02a97f8644aa0131f (Demo2)	3.137.204.26   <a href="#">open address</a>	172.31.44.182
Instance state	Public IPv4 DNS	Private IPv4 DNS
Running	ec2-3-137-204-26.us-east-2.compute.amazonaws.com   <a href="#">open address</a>	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#
```

## ss5:username password page

← → ↻ ⚠ Not secure | 18.217.200.94 ☆ (n) 🔍 🗑 ⚙ ⚡ ⋮


 **Avatar**

**UserName**  **Password**   ☒ Remember me



## ss6:userid passkey

← → ↻ ⚠ Not secure | 3.137.204.26 ☆ (n) 🔍 🗑 ⚙ ⚡ ⋮

 **Avatar**

**UserID**  **Passkey**   ☒ Remember me



## s7:Load balancer screenshot

The screenshot displays the AWS Management Console interface for an Elastic Load Balancing (ELB) instance. The left sidebar shows the navigation menu with categories like Capacity Reservations, Images, Elastic Block Store, Network & Security, Load Balancing, and Auto Scaling. The main content area shows the 'Create Load Balancer' button and a table listing the ELB instances. The table has columns for Name, DNS name, State, VPC ID, Availability Zones, and Type. The instance 'demolb1' is listed with a state of 'active' and a type of 'application'.

Name	DNS name	State	VPC ID	Availability Zones	Type
demolb1	demolb1-1198521722.us-east-2.elb.amazonaws.com	active	vpc-7074d71b	us-east-2a, us-east-2c, ...	application

Below the table, the 'Load balancer: demolb1' configuration is shown. The 'Description' tab is selected, displaying the 'Basic Configuration' section. The configuration details are as follows:

- 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

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 fields for 'Username' and 'Password', a 'Login' button, and a 'Remember me' checkbox. There are also links for 'Cancel' and 'Forgot password?'. The browser's address bar shows 'Not secure' and the page is loaded from 'demolb1-1198521722.us-east-2.elb.amazonaws.com'.

The screenshot shows the Windows taskbar at the bottom of the screen. The system clock displays '23:36' and the date '29/10/2020'. The taskbar also shows the network status icon and the 'ENG' language indicator.

ss9:reply from server2

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

Avatar

UserID  Enter UserID Passkey  Enter Passkey  ☒ Remember me

