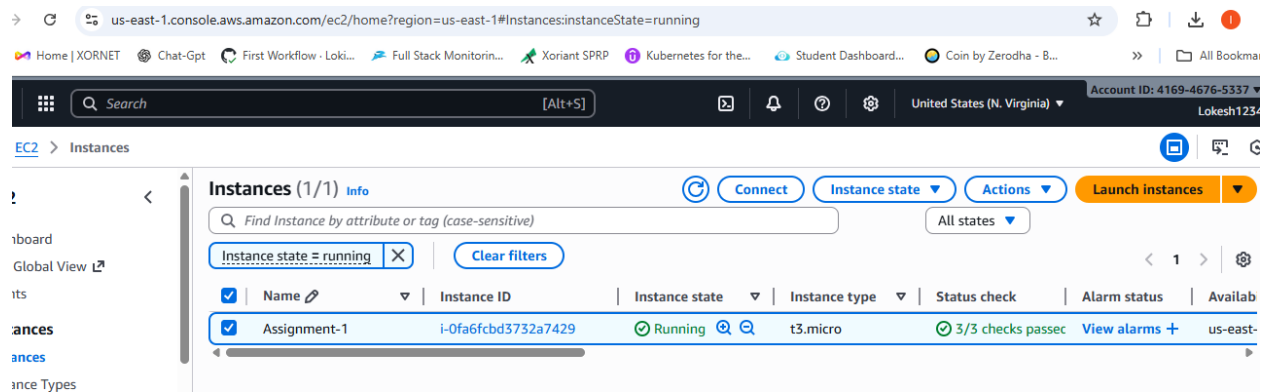


1. Create an EC2 instance in US-East-1 (N. Virginia) with Linux OS and prepare it as a Web Server using AMI



```
sudo yum update -y
```

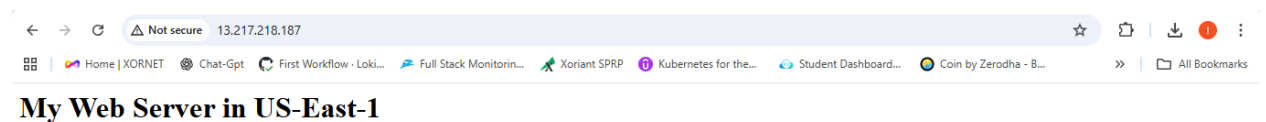
```
sudo yum install httpd -y
```

```
sudo systemctl start httpd
```

```
sudo systemctl enable httpd
```

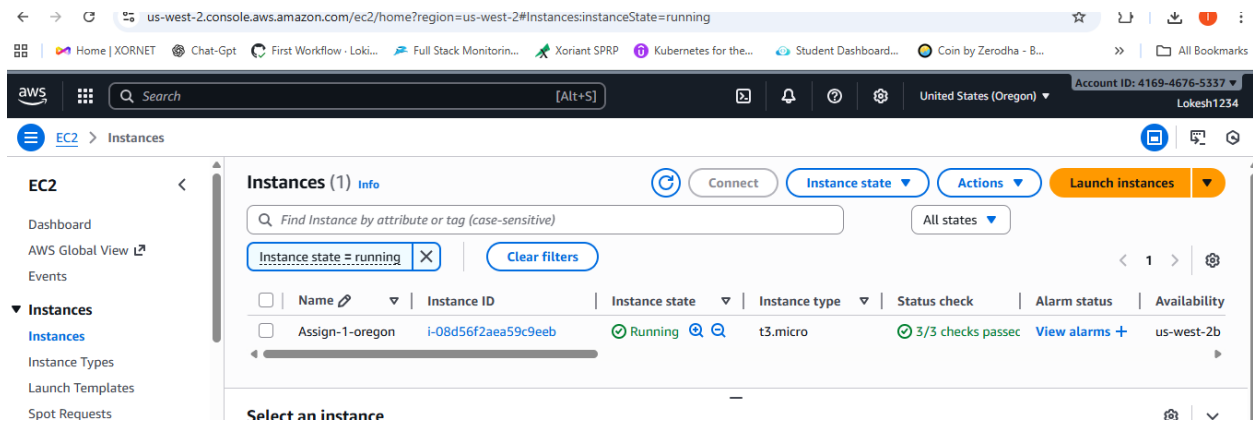
```
echo "<h1>My Web Server in US-East-1</h1>" | sudo tee /var/www/html/index.html
```

Connected from the public IP of the Assignment-1 instance



2. Create AMI from this web server

- a. Create an AMI replica from the existing AMI of US-East-1 (N. Virginia)
- b. Copy the AMI to the az that you want to have a replica US-West-2 (Oregon)
- c. Launch a new Instance using the AMI that was created earlier on US-East-1 (N. Virginia) on US-West-2 (Oregon)



3. Create two additional EBS volumes and attach to the US-East-1 instance

- a. Create Volume size 5GB And AZ us-east-1a
- b. Create another 5GB Volume
- c. Attach the volume to the EC2 instance
- d. Both Volumes are attached

4. Delete one volume after detaching it & extend the size of the other

- a. EC2 → Volumes → Select Volume-1
- b. Actions → Detach Volume
- c. Wait until status = available
- d. Select the detached volume
- e. Actions → Delete Volume

f. Select Volume-2

g. Actions → Modify Volume

h. Change size:

i. Click Modify

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

Search [Alt+S] United States (N. Virginia) Account ID: 4169-4676-5337 Lokesh1234

Successfully detached volume.

Volumes (3) Info Last updated less than a minute ago Recycle Bin Actions Create volume

Saved filter sets Choose filter set Search

<input type="checkbox"/>	Name	Volume ID	Type	Size	IOPS	Throughput	Snapshot ID	Source volume
<input type="checkbox"/>		vol-030f381f94bd45b64	gp3	10 GiB	3000	125	-	-
<input type="checkbox"/>	Volume1	vol-088350d37689b6402	gp3	8 GiB	3000	125	snap-0881c81...	-
<input type="checkbox"/>	Volume2	vol-0a6627994bdc52c06	gp3	100 GiB	3000	125	-	-

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

Search [Alt+S] United States (N. Virginia) Account ID: 4169-4676-5337 Lokesh1234

Successfully deleted volume vol-0a6627994bdc52c06.

Volumes (2) Info Last updated less than a minute ago Recycle Bin Actions Create volume

Saved filter sets Choose filter set Search

<input type="checkbox"/>	Name	Volume ID	Type	Size	IOPS	Throughput	Snapshot ID	Source volume
<input type="checkbox"/>		vol-030f381f94bd45b64	gp3	10 GiB	3000	125	-	-
<input type="checkbox"/>	Volume1	vol-088350d37689b6402	gp3	8 GiB	3000	125	snap-0881c81...	-

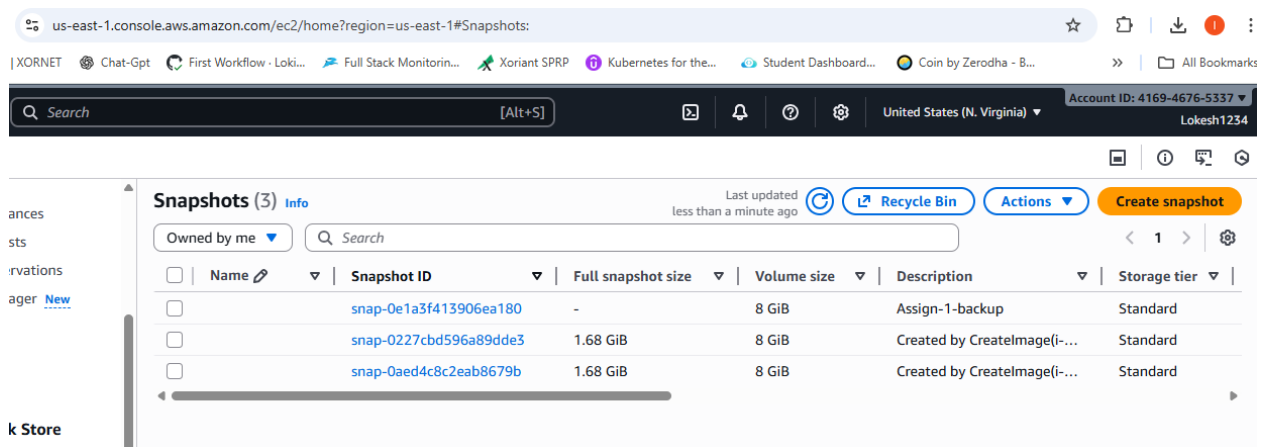
5. Take backup of this EBS volume

a. EC2 → Volumes

b. Select Volume-2 (the extended volume)

c. Actions → Create Snapshot

d. Add name: WebServer-Backup-East-Volume



The screenshot shows the AWS Management Console interface for the 'us-east-1' region. The 'Snapshots' page is active, displaying a list of snapshots. The table has the following data:

Name	Snapshot ID	Full snapshot size	Volume size	Description	Storage tier
	snap-0e1a3f413906ea180	-	8 GiB	Assign-1-backup	Standard
	snap-0227cbd596a89dde3	1.68 GiB	8 GiB	Created by CreateImage(i-...	Standard
	snap-0aed4c8c2eab8679b	1.68 GiB	8 GiB	Created by CreateImage(i-...	Standard

The interface includes a search bar, a 'Recycle Bin' button, and an 'Actions' dropdown menu. The 'Create snapshot' button is highlighted in orange. The account ID is 4169-4676-5337, and the user is Lokesh1234.