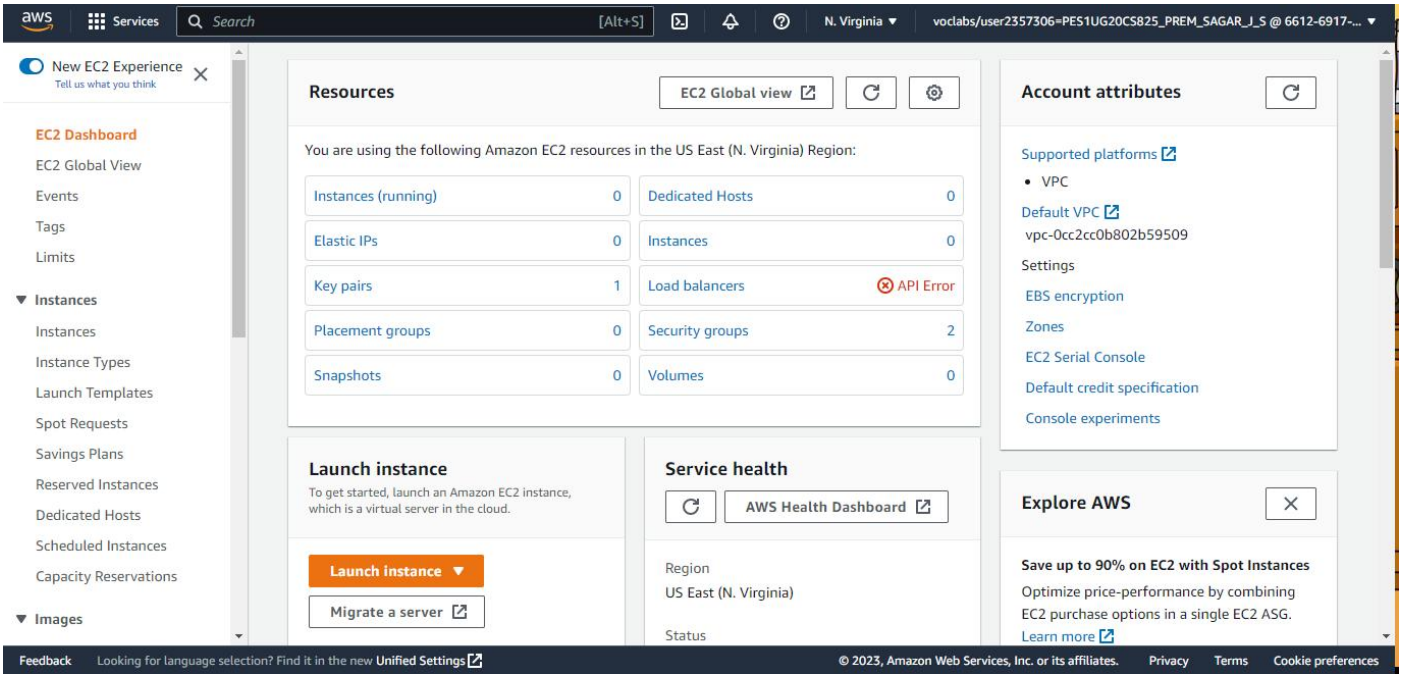
CLOUD COMPUTING - UE20CS351

SRN : PES1UG20CS825	NAME : PREM SAGAR J S	SEC : 'H'

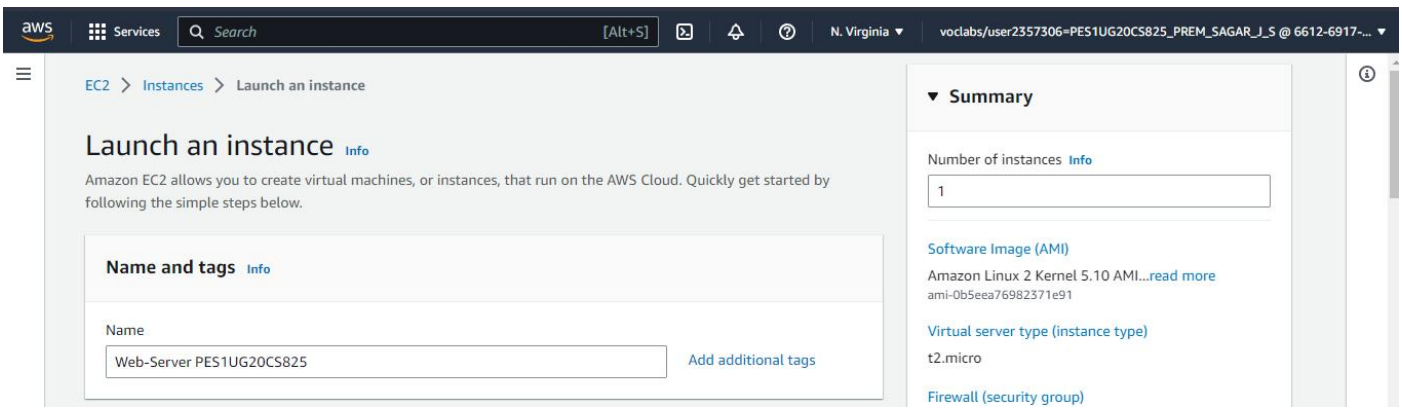
Lab Assignment - 1

Introduction to AWS EC2 (Elastic Compute Cloud)

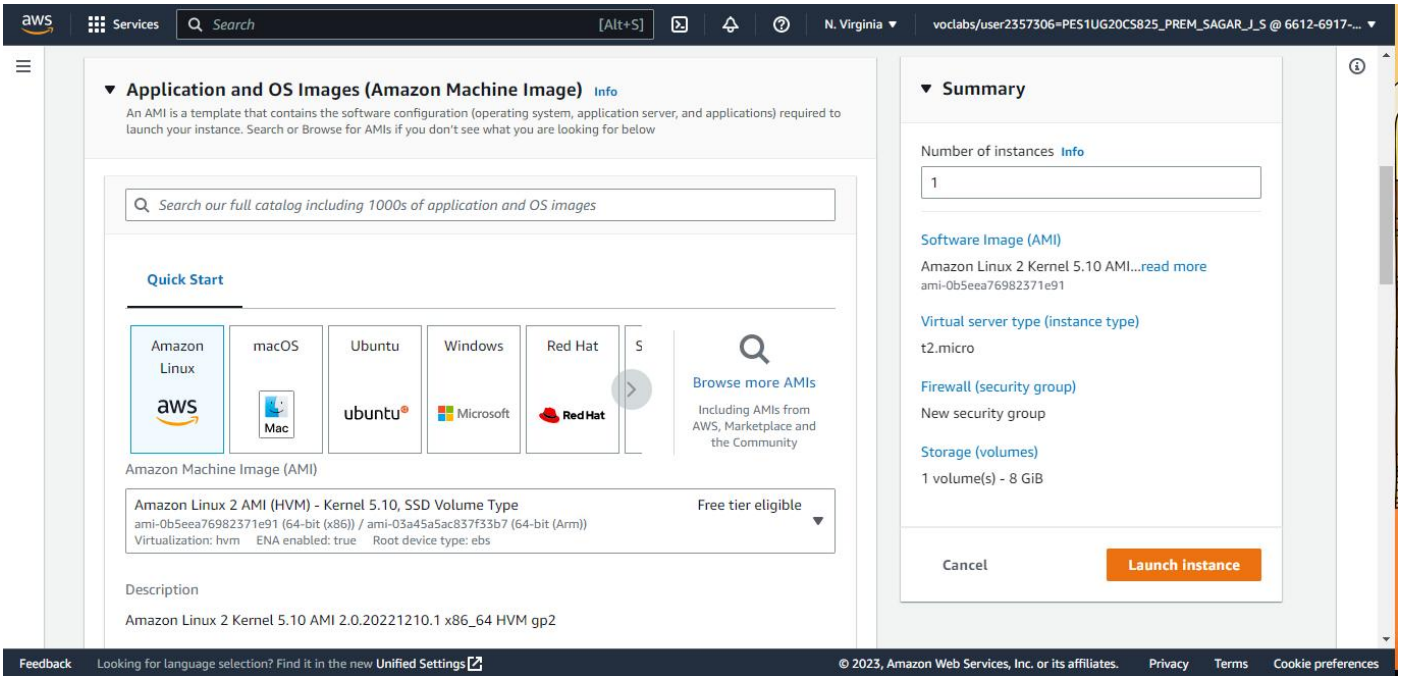
Task 1: Launching your EC2 instance



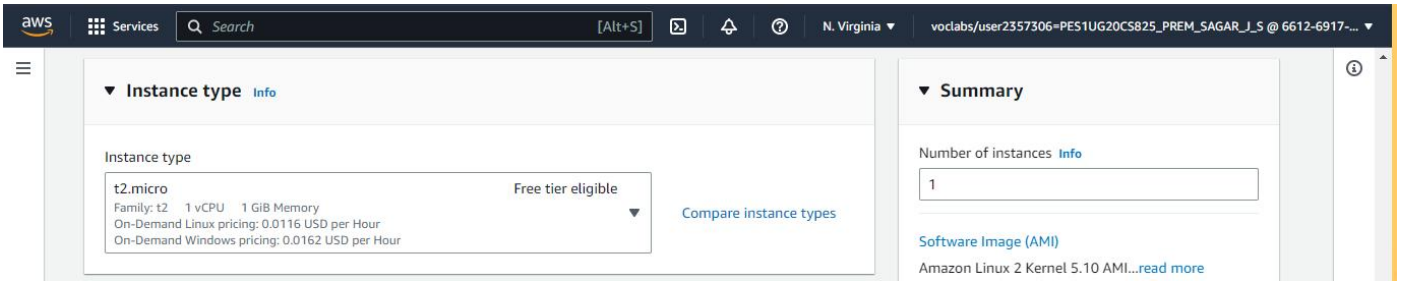
Step 1: Name your EC2 instance



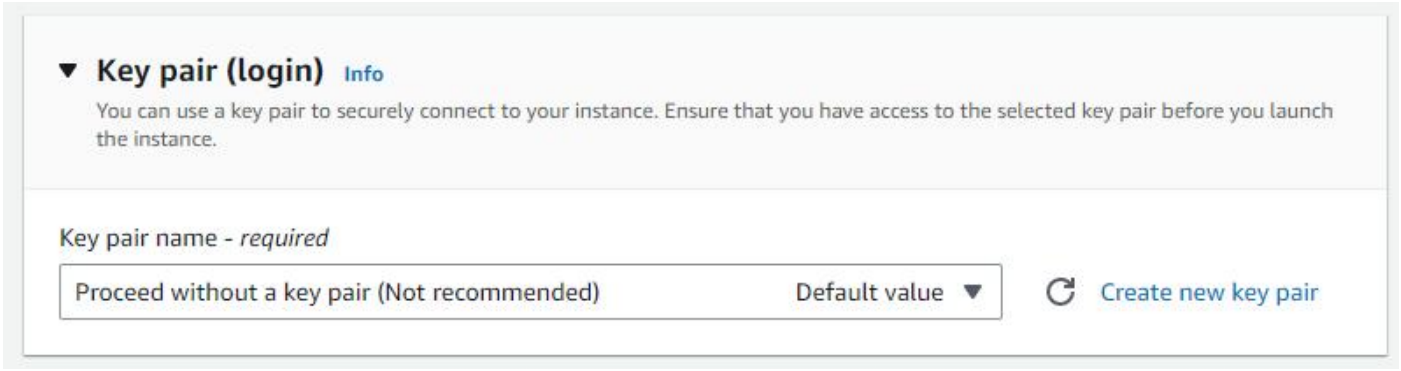
Step 2: Choose an Amazon Machine Image (AMI)



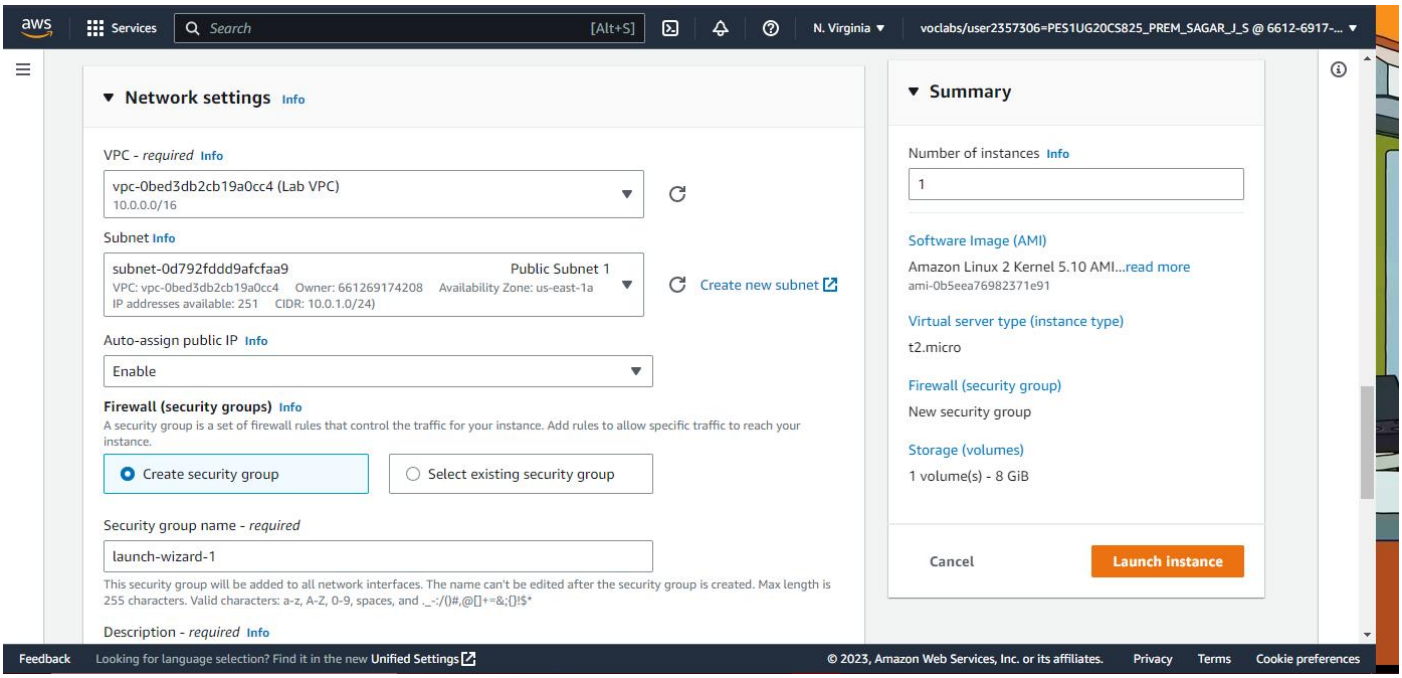
Step 3: Choose an instance type



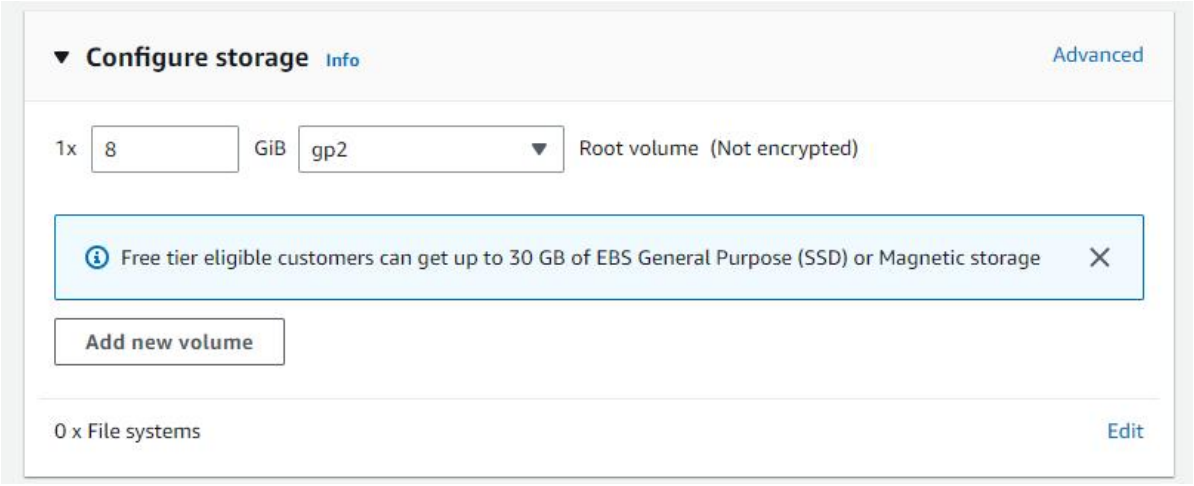
Step 4: Configure a key pair



Step 5: Configure the network settings



Step 6: Add storage

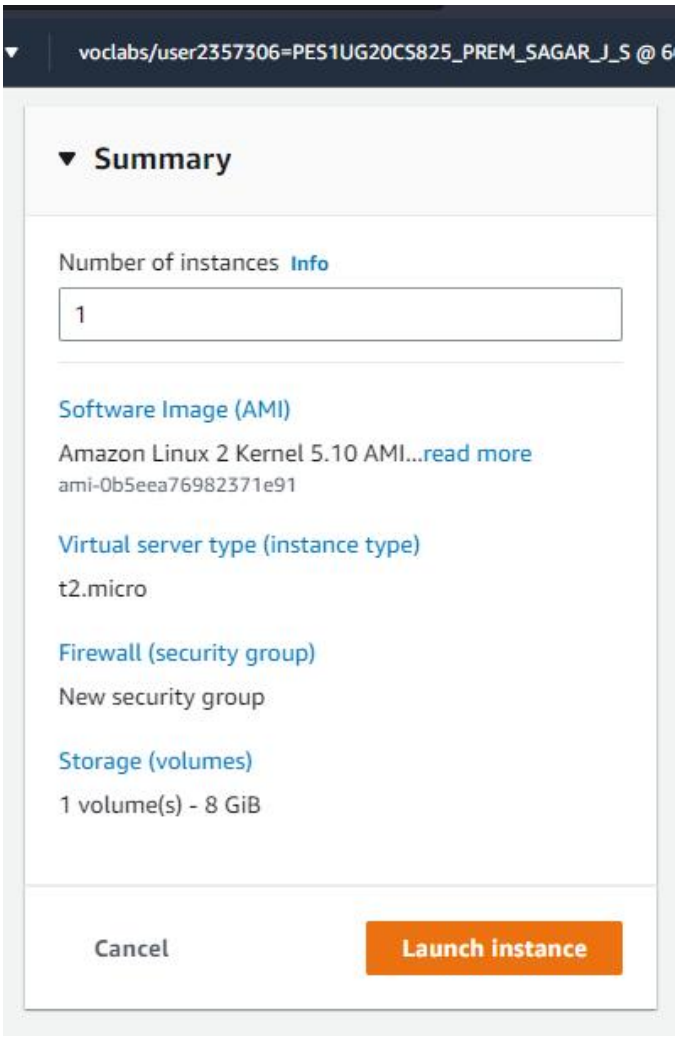


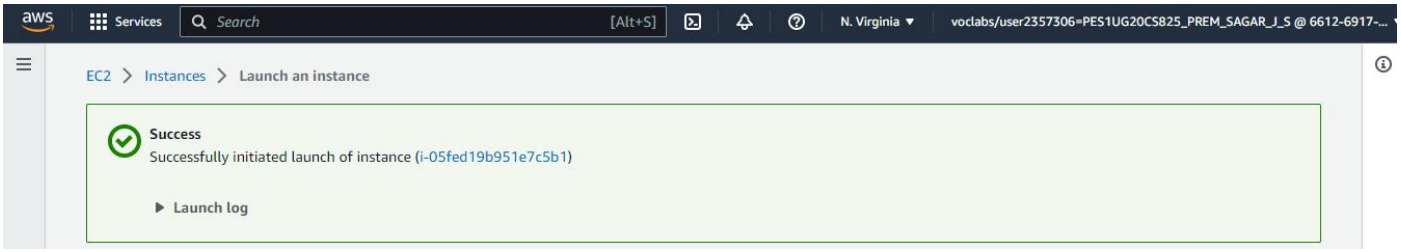
Step 7: Configure advanced details

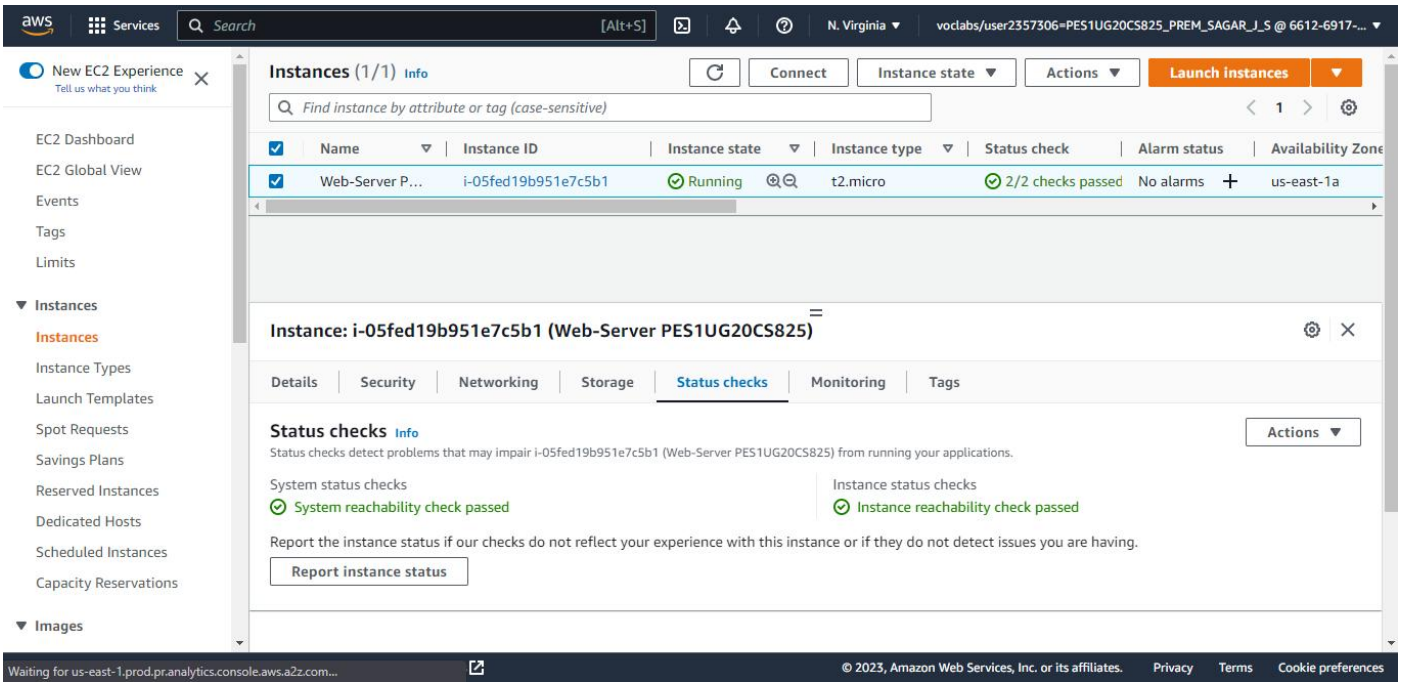
User data Info

```
#!/bin/bash
yum -y install httpd
systemctl enable httpd
systemctl start httpd
echo '<html><h1>Hello From Your Web Server PES1UG20CS825!</h1></html>' >
/var/www/html/index.html
```

Step 8: Launch an EC2 instance

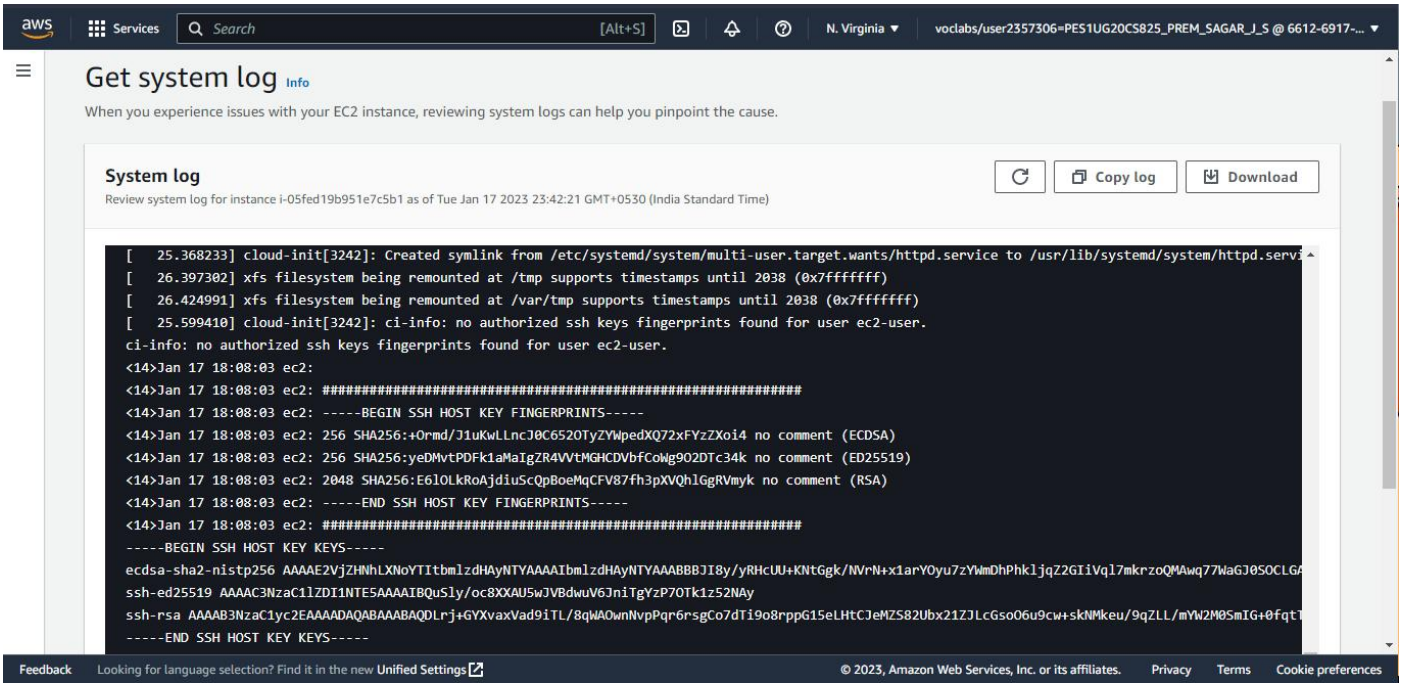




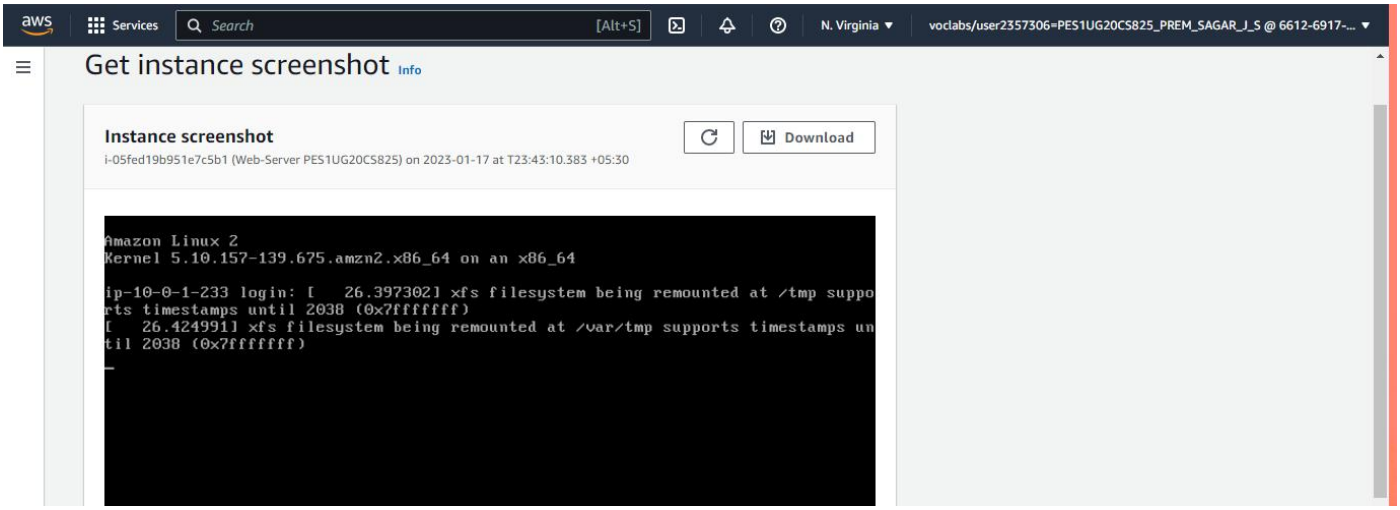


Task 2: Monitoring your instance

Getting the system log

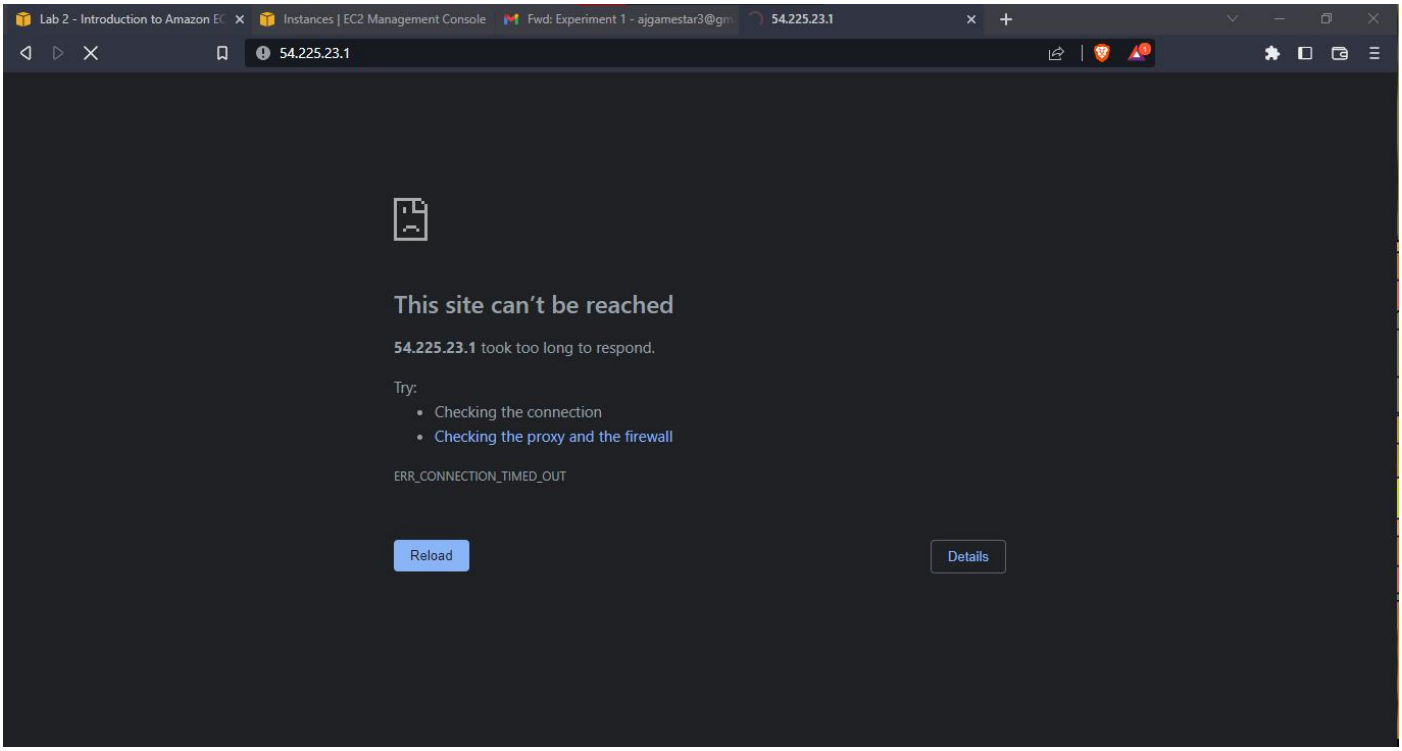


Getting the instance screenshot



Task 3: Updating your security group and accessing the web server

In your web browser, open a new tab, paste the IP address that you just copied, and then press Enter.

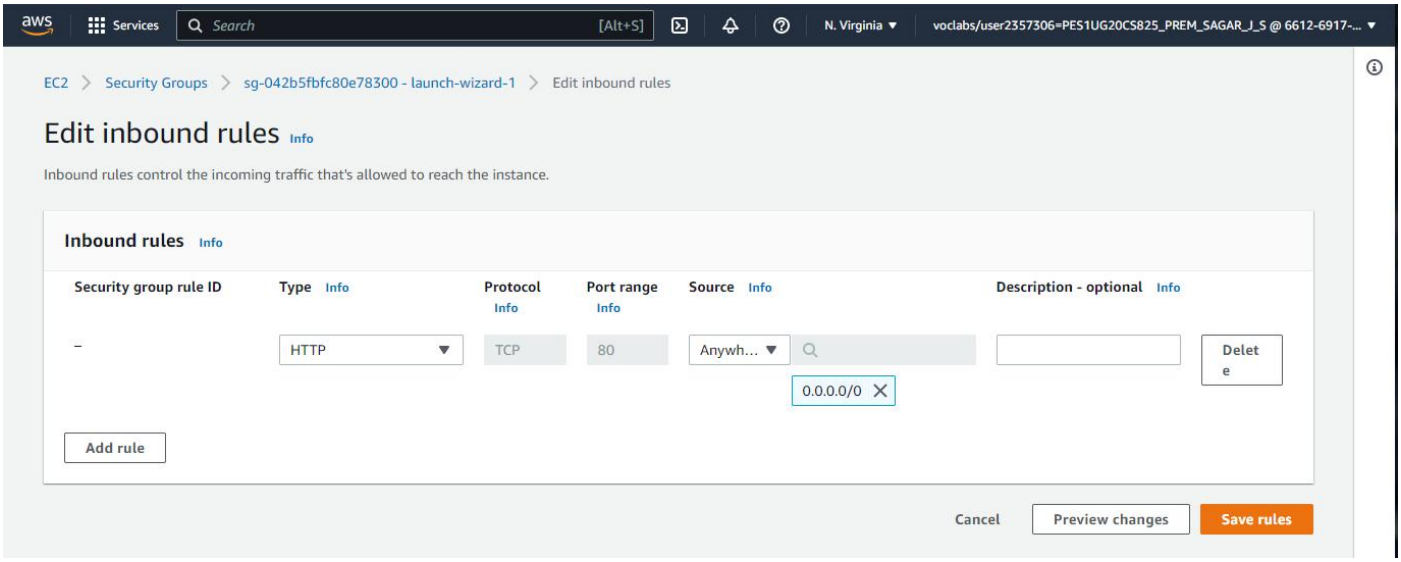


Question: Are you able to access your web server? Why not?

You are not currently able to access your web server because the security group is not permitting inbound traffic on port 80, which is used for HTTP web requests. This is a

demonstration of how to use a security group as a firewall to restrict the network traffic that is allowed in and out of an instance.

Adding Inbound Rules

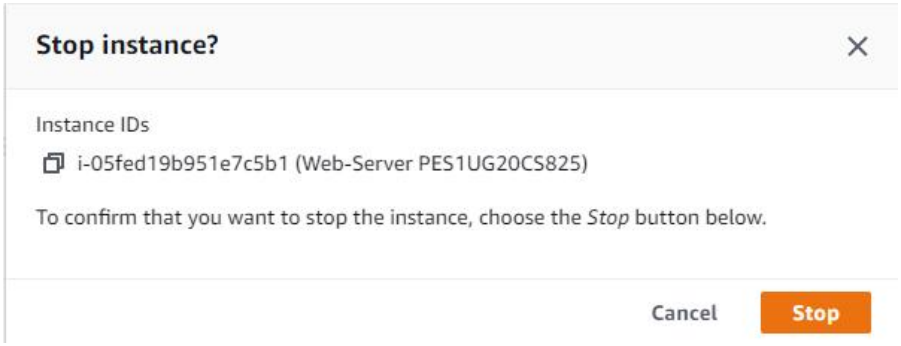


Accessing the Public IP after adding inbound rule

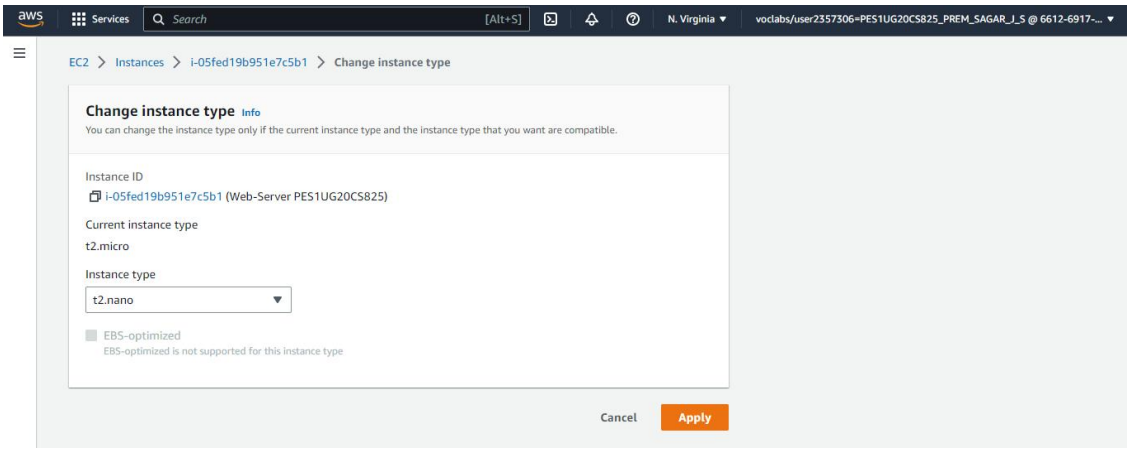
Hello From Your Web Server PES1UG20CS825!

Task 4: Re-sizing your instance - instance type and EBS volume

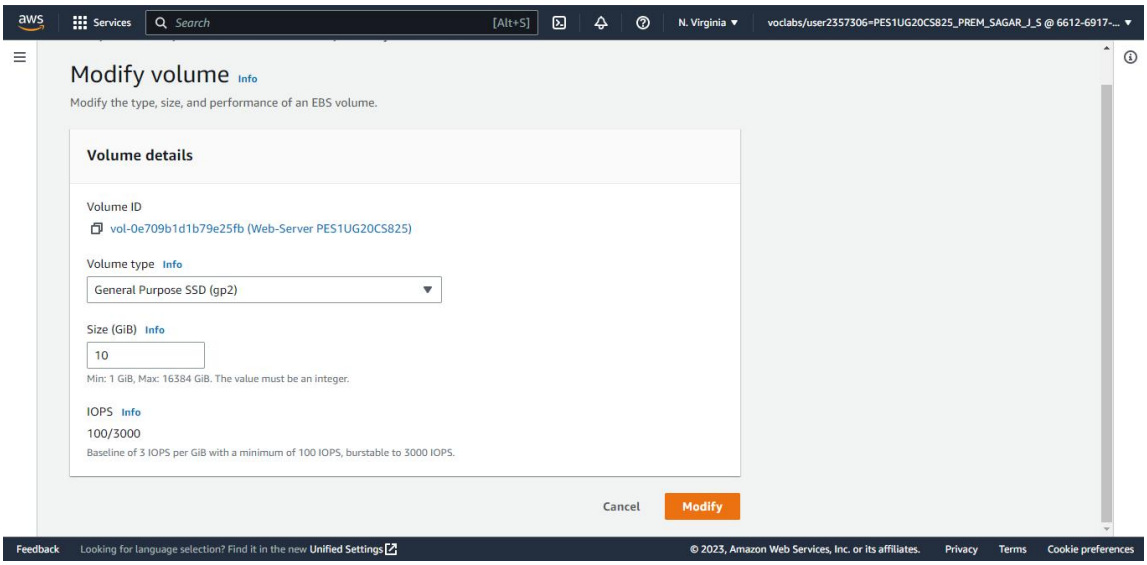
Stop your instance



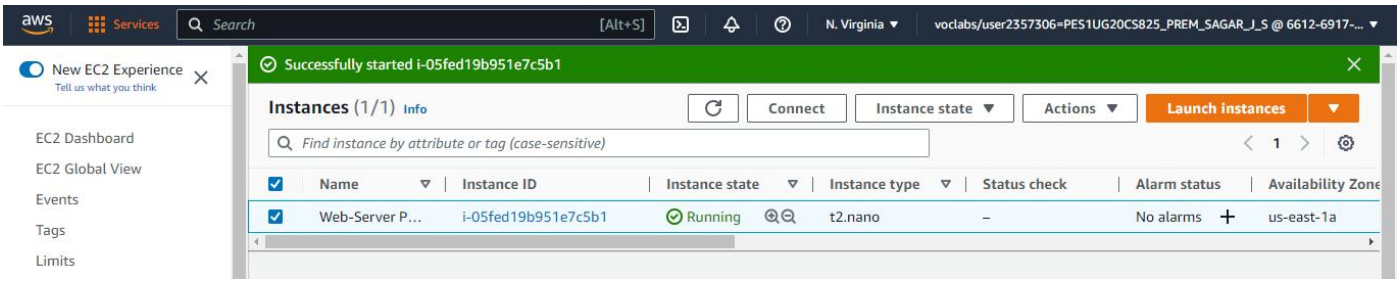
Change the instance type



Resize the EBS volume

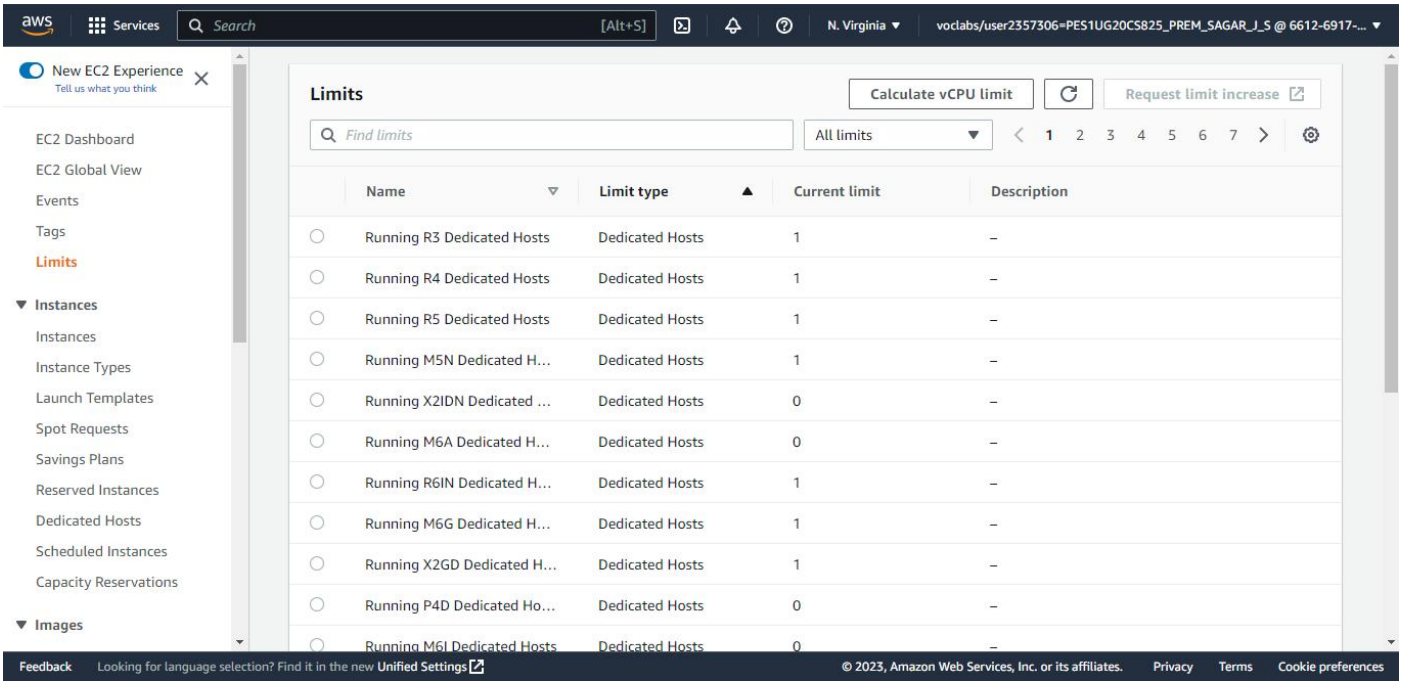


Start the resized instance



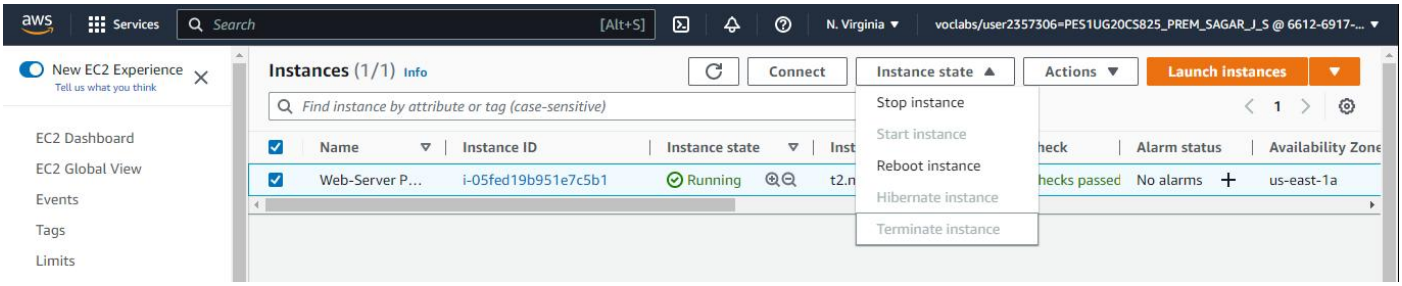
Task 5: Exploring EC2 limits

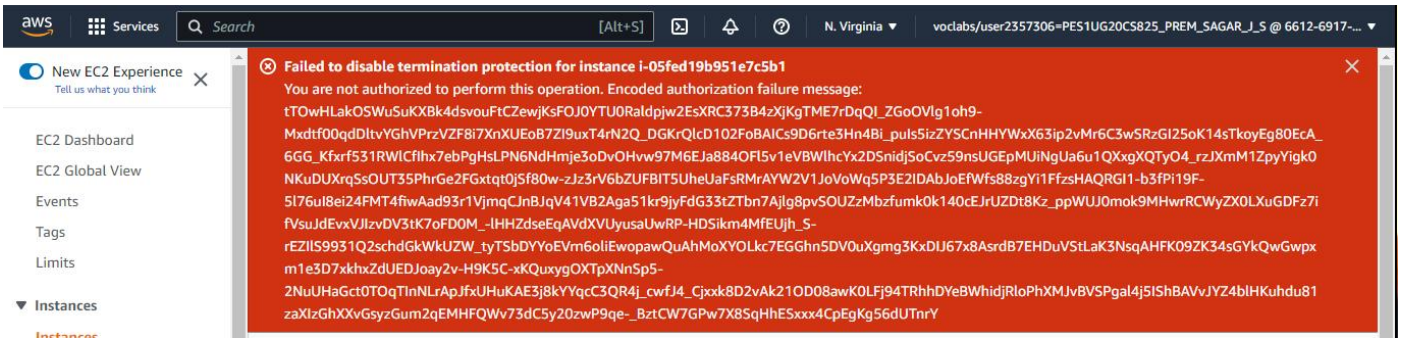
Exploring the EC2 Limits



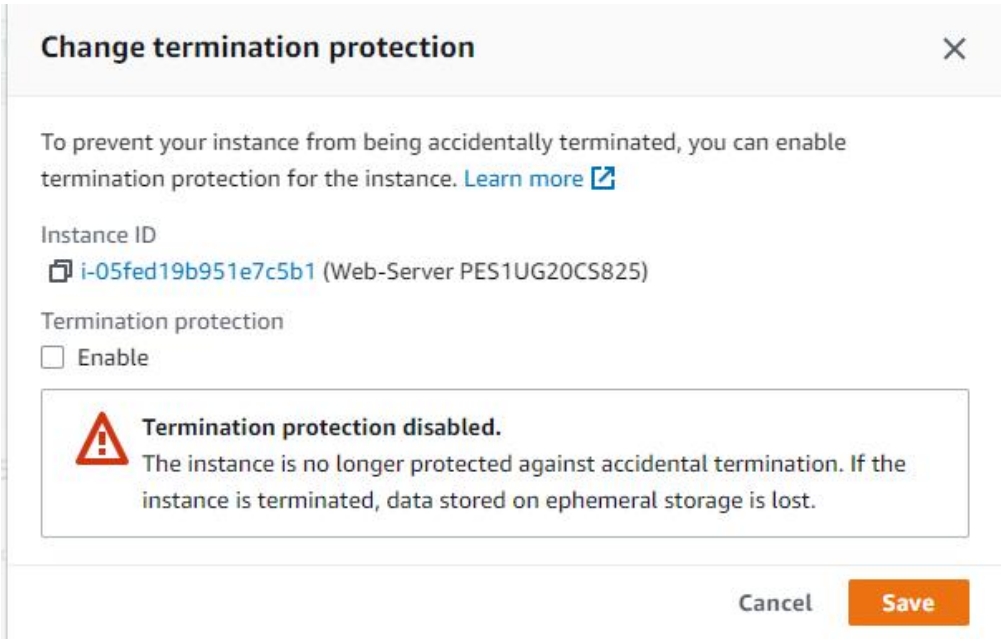
Task 6: Testing termination protection

I’m not able to terminate instance because termination protection is on.





Turning off termination protection



Terminating Instance