# Lab 2 – AWS EC2 Instance Deployment

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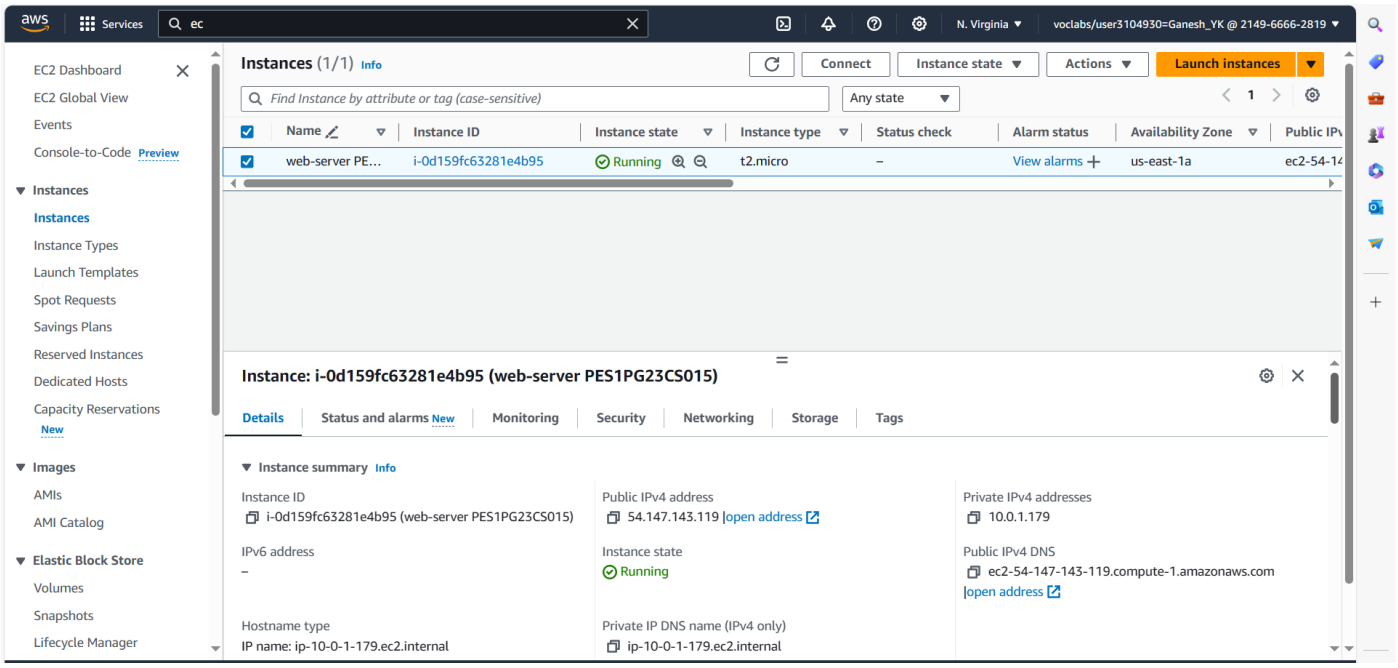
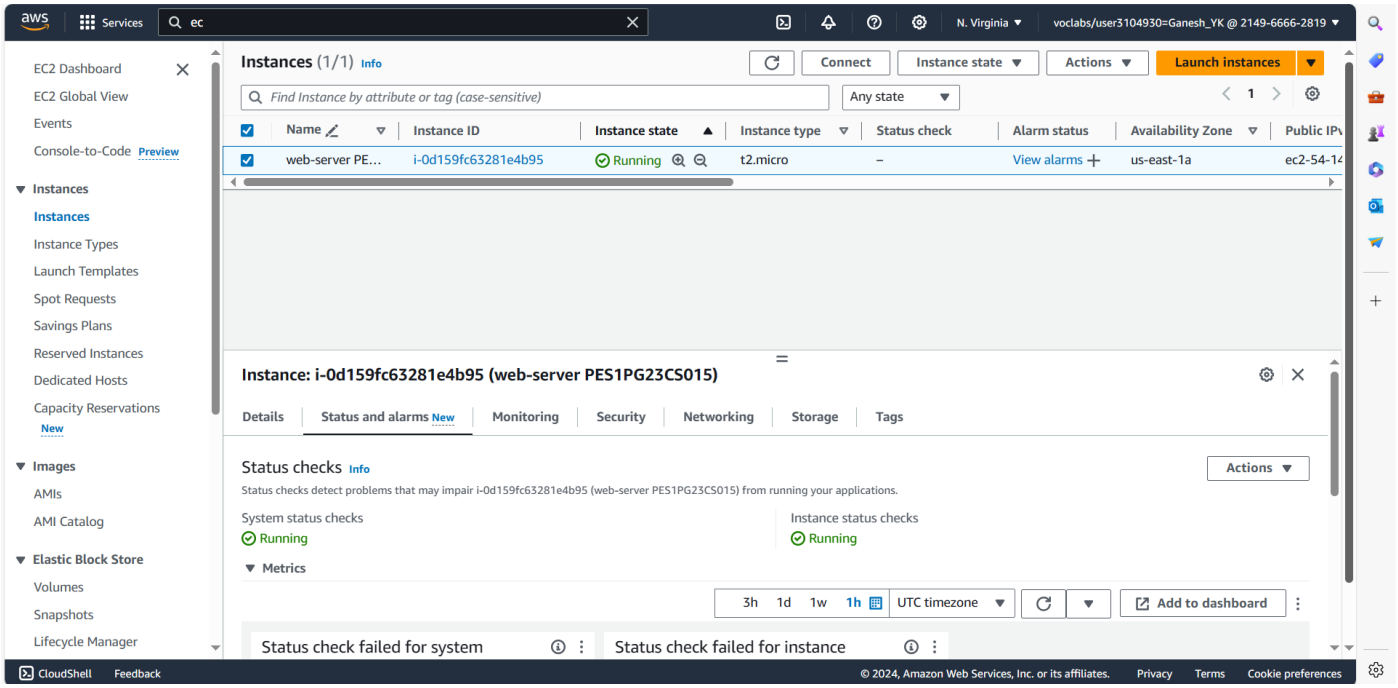
## Task 1: Accessing the AWS Management Console



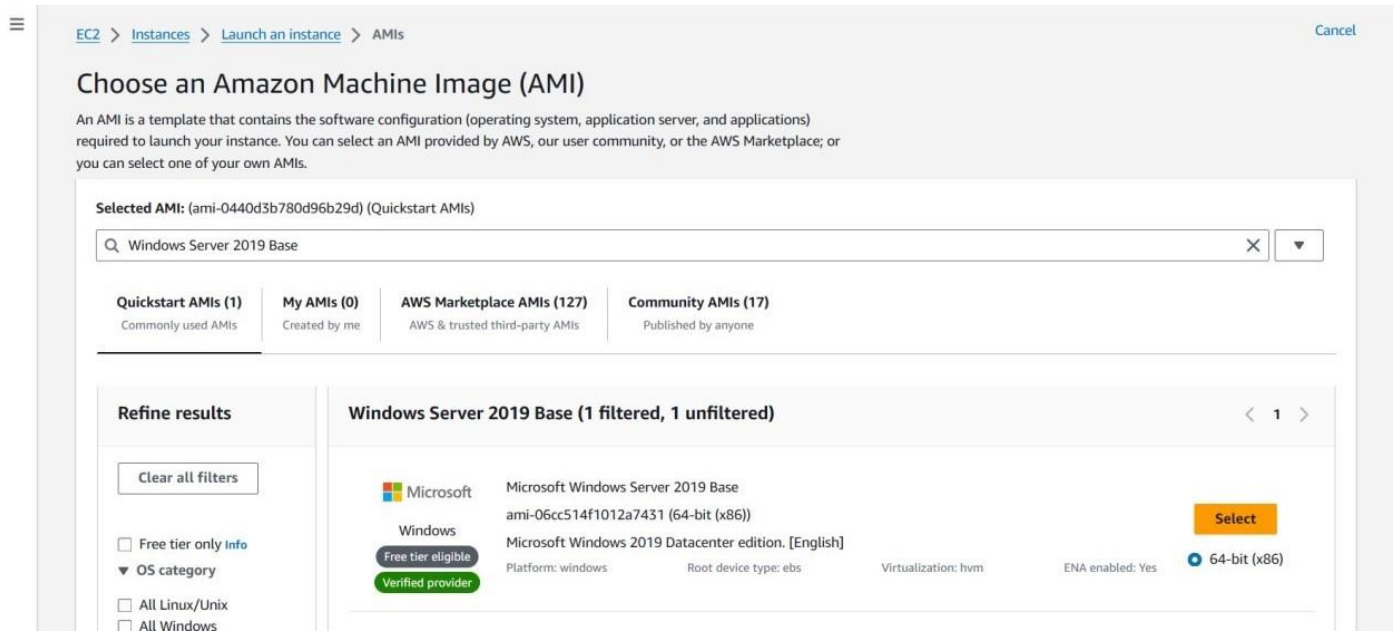

## Task 2: Launching an EC2 Instance In Services menu of AWS Management Console, enter EC2 and choose it. Next, choose EC2 Dashboard and launch instance.

Step 1: Name your EC2 instance



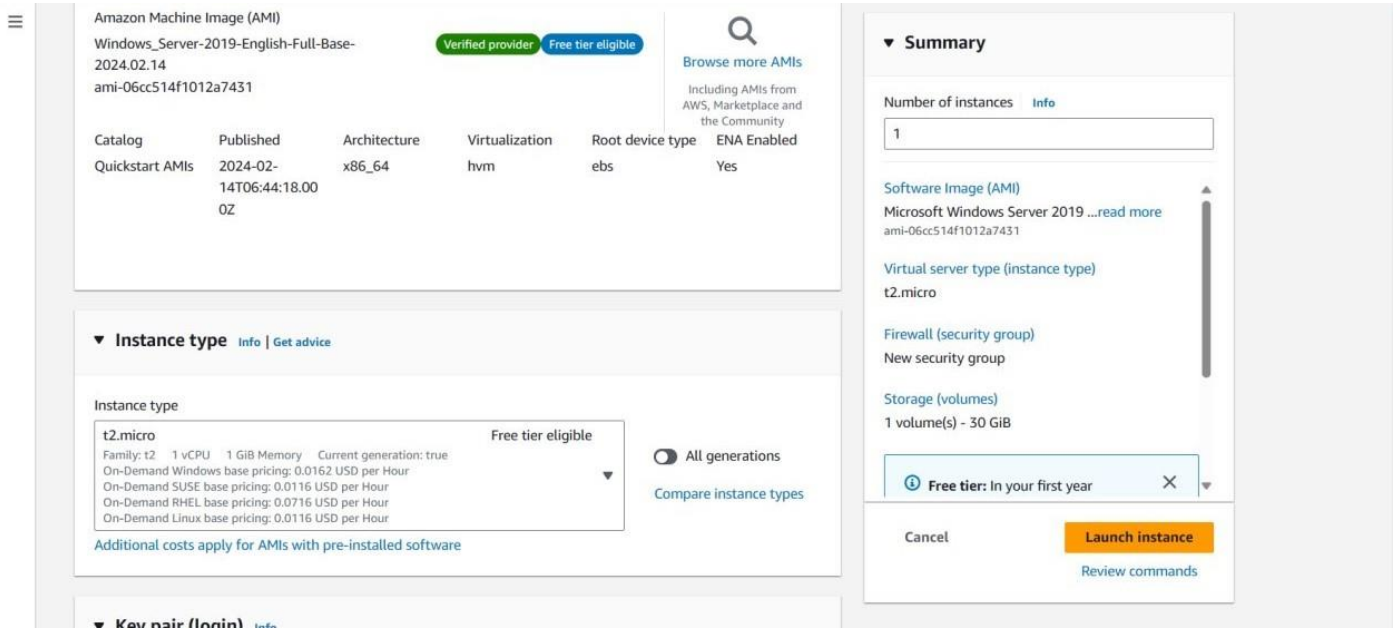

In the name textbox, enter Web-Server. In Resource types dropdown list, select Instances and Volumes.

Step 2: Choose an Amazon Machine Image (AMI)



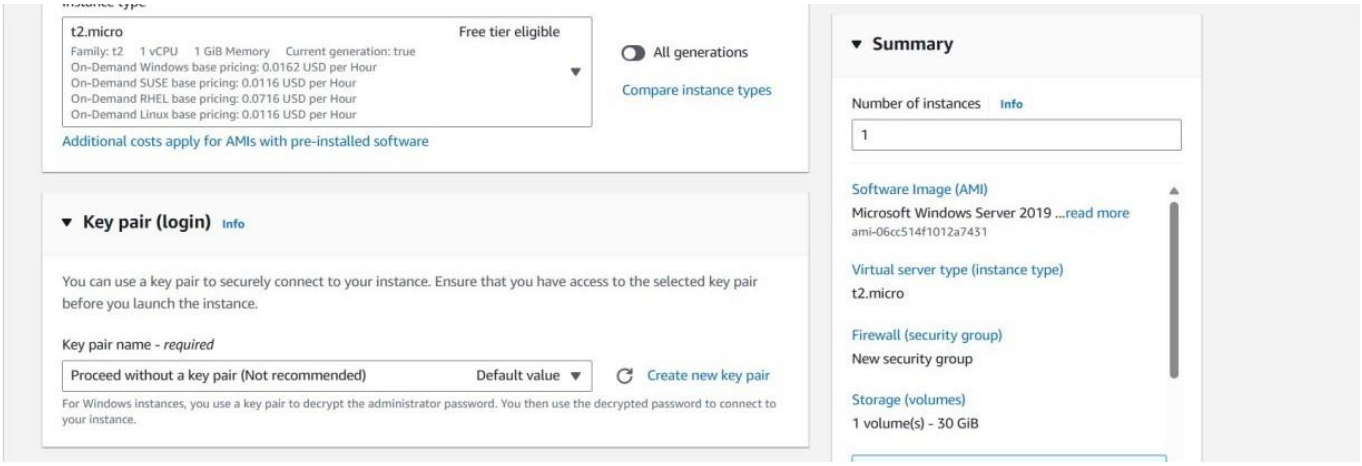

In search box of AMI section, enter Windows Server 2019 Base and select.

Step 3: Choose an instance type



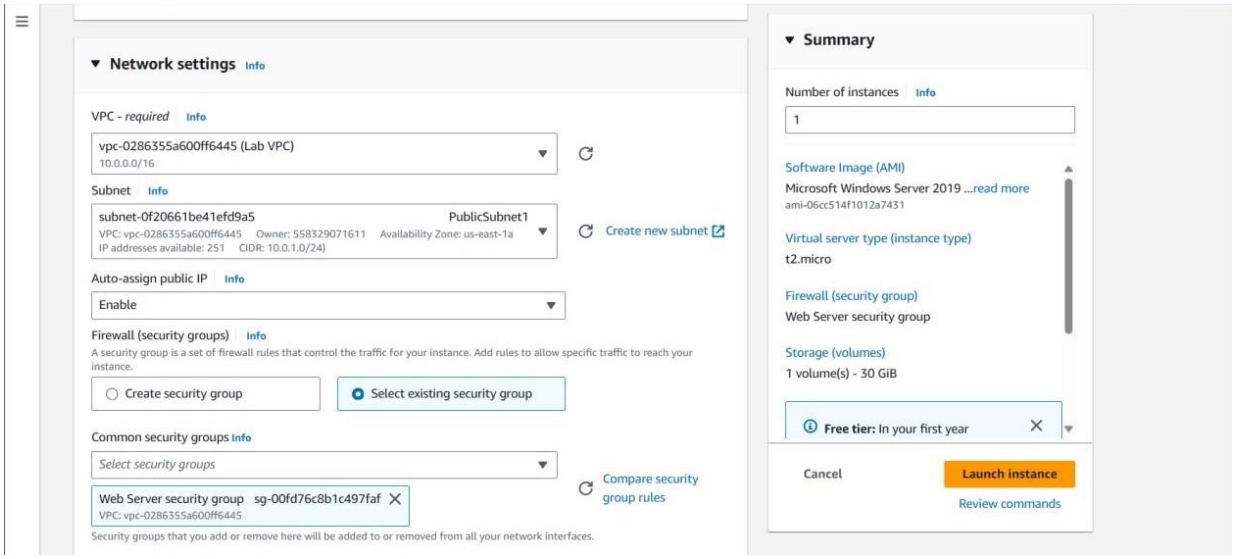

In the **Instance type** section, keep the default instance type, **t2.micro**.

## Step 4: Configure a key pair



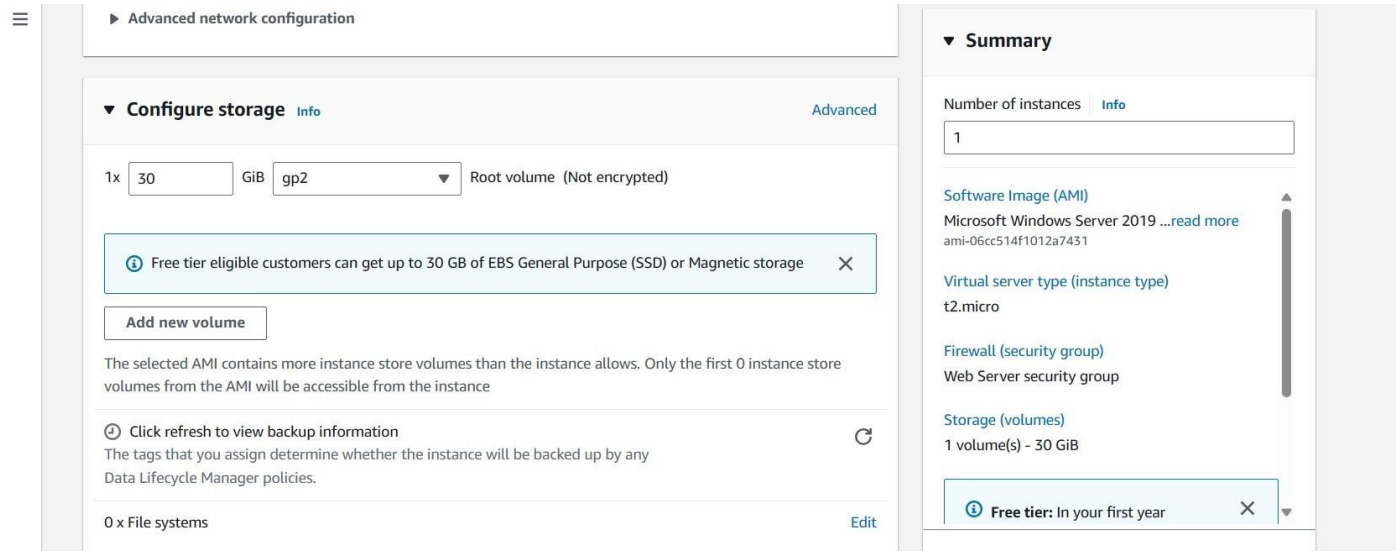

In the **Key pair name - *required*** dropdown list, choose **Proceed without a key pair (not recommended)**.

Step 5: Configure the network settings

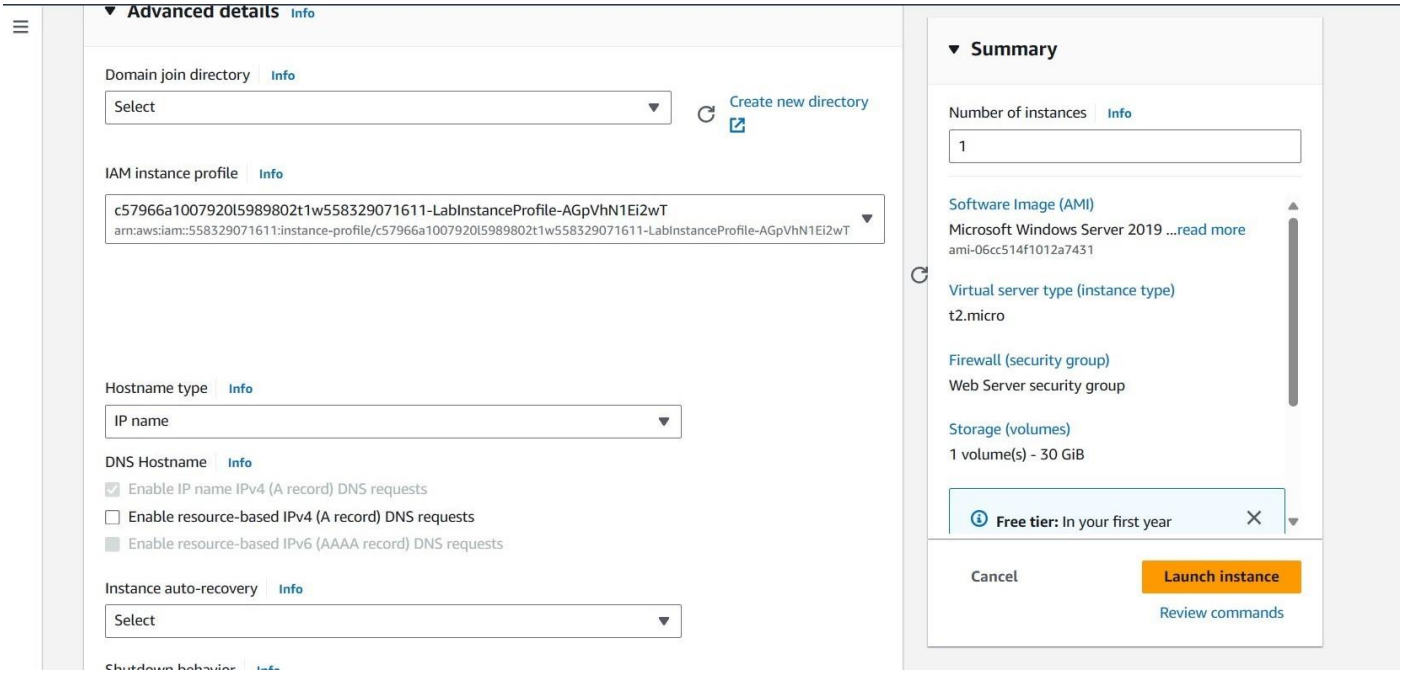



In the **VPC-required** dropdown list of the network settings, choose **Lab VPC**. Select **Web Server security group** from Common security groups. A security group acts as a virtual firewall that controls the traffic for one or more instances.

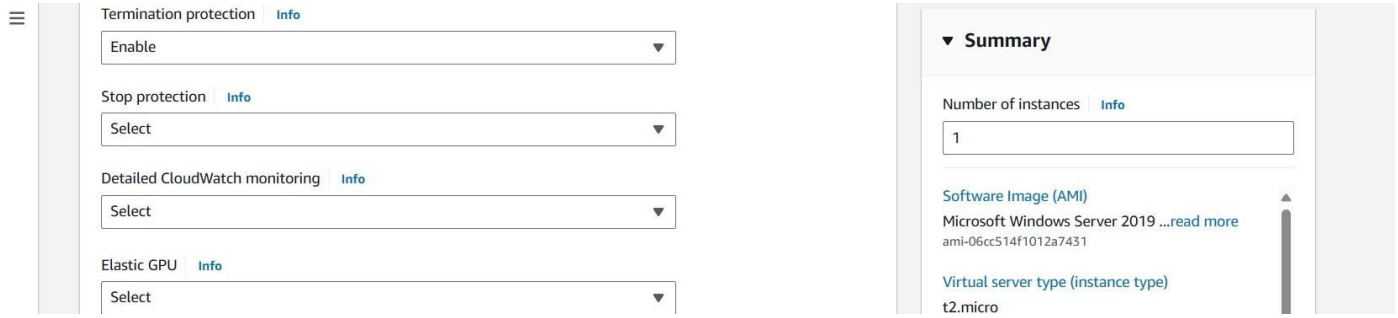
Step 6: Add storage




Step 7: Configure advanced details

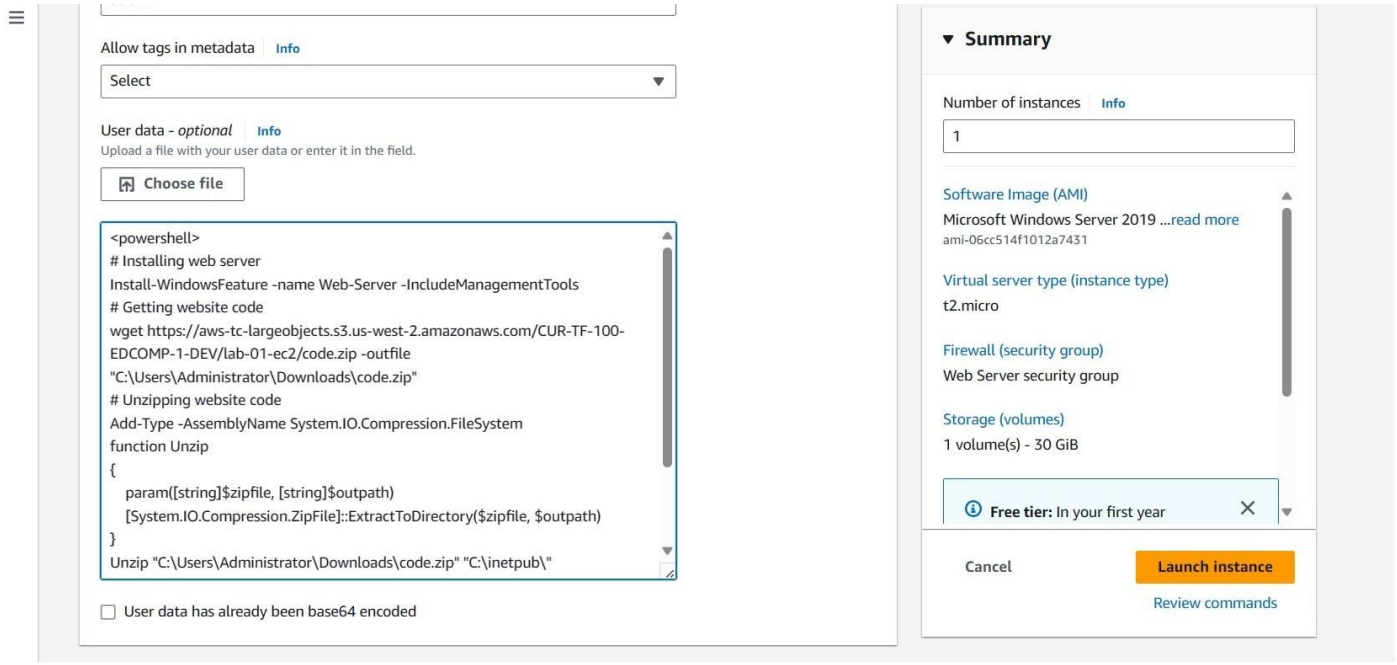



Choose the IAM instance profile as **LabInstanceProfile**.

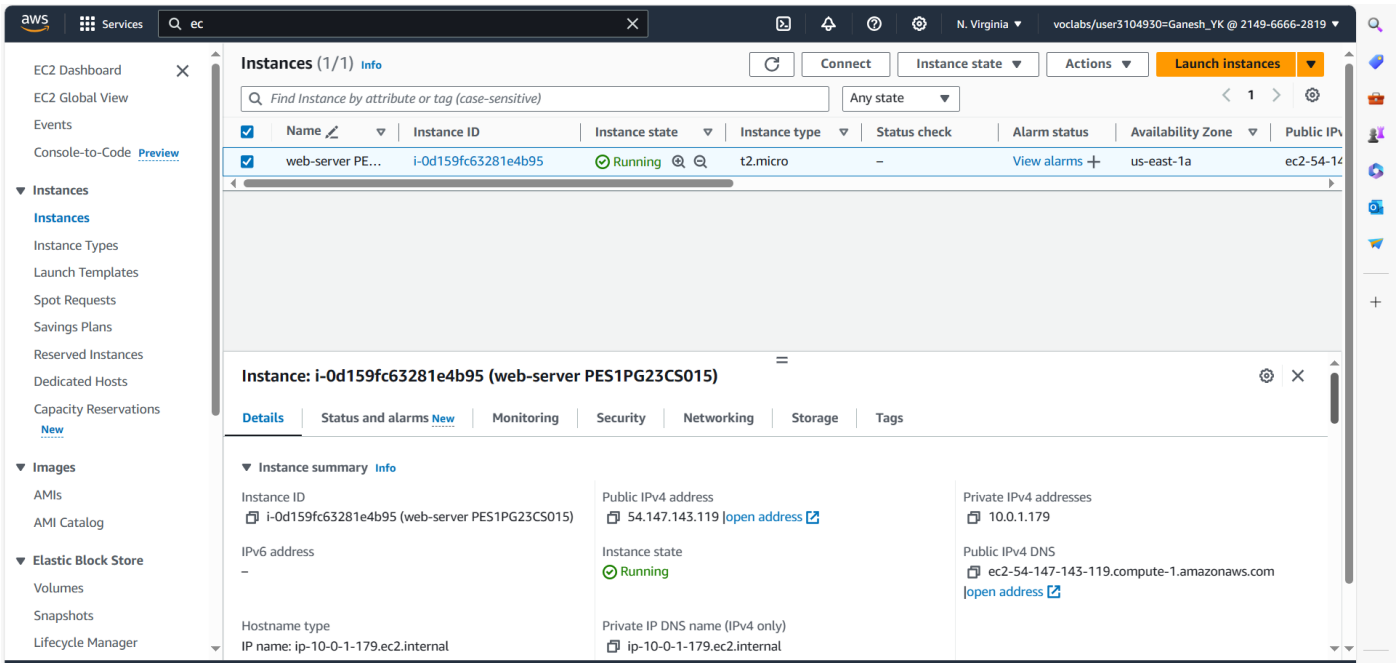



**Enable** termination protection

## Step 8: Launch an EC2 instance

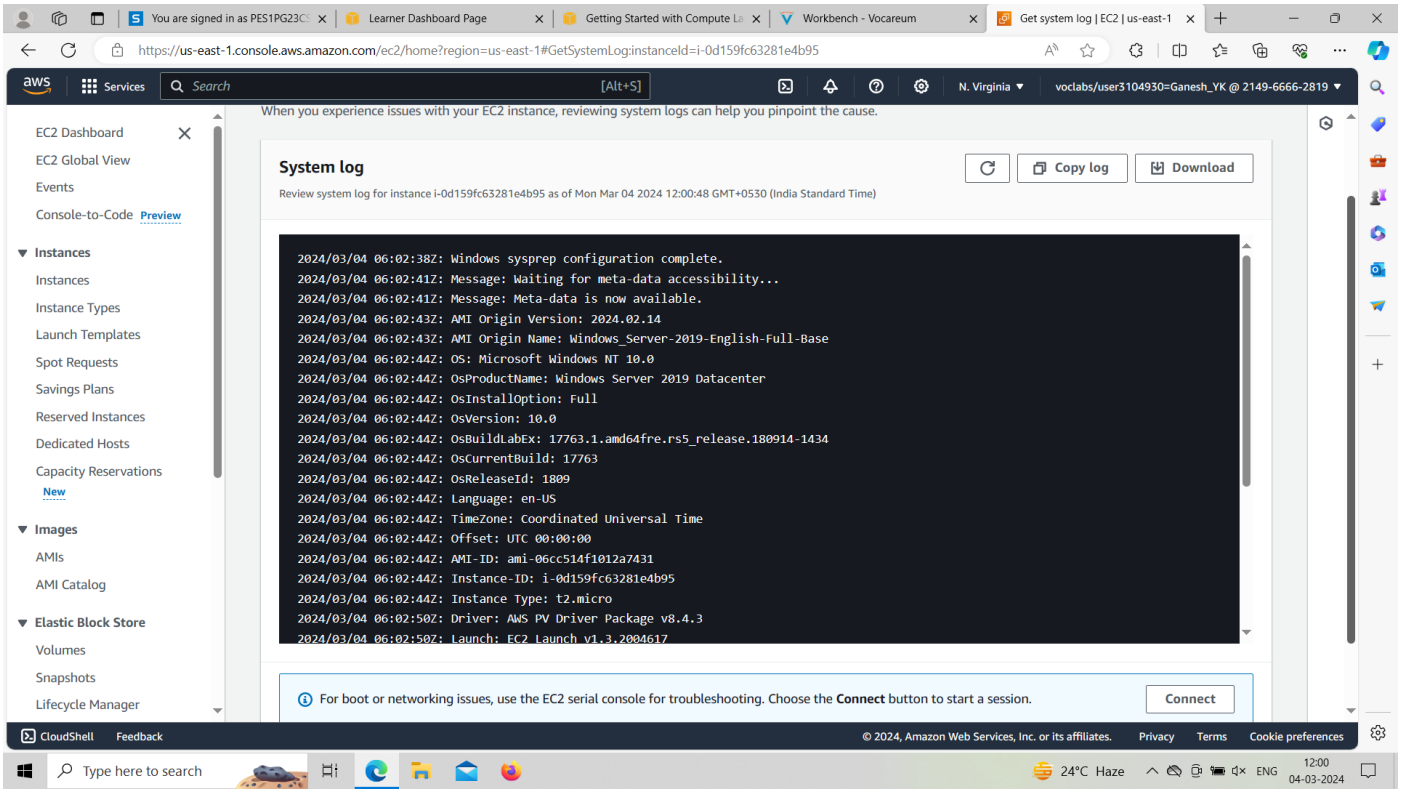



## Click **Launch instance**

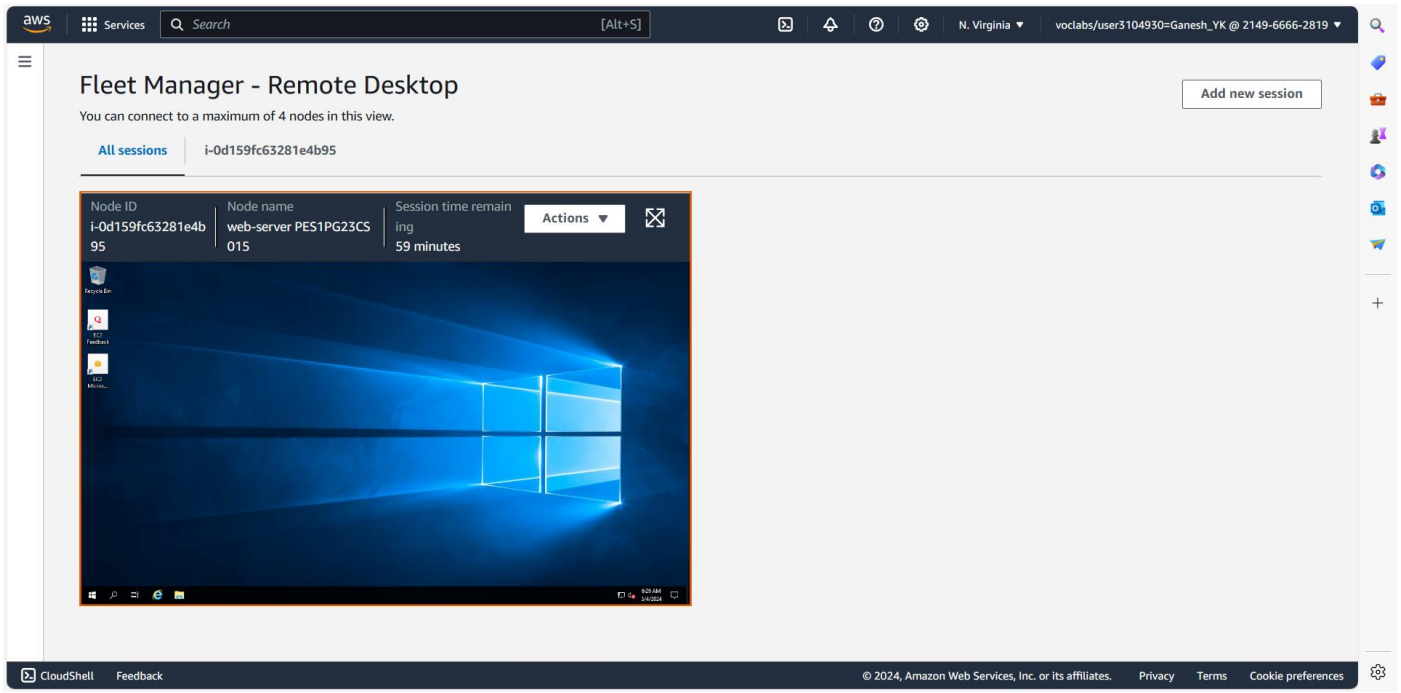


# Task 3: Monitoring your instance

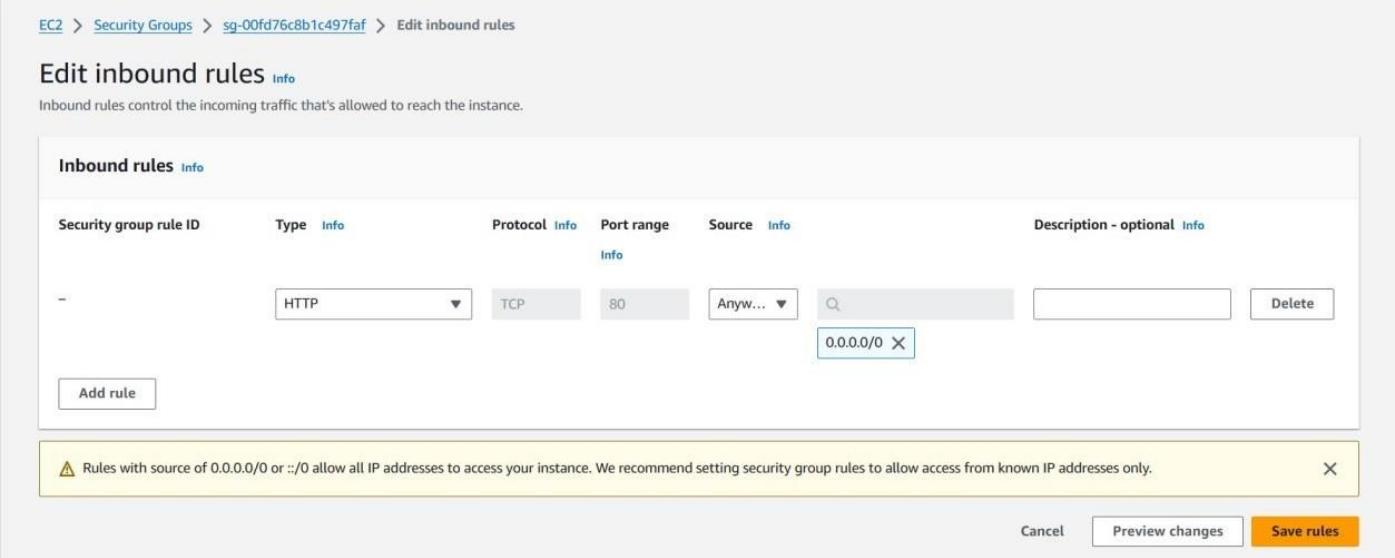
## Screenshot 1: Getting the system log




## Screenshot 2: Getting the instance screenshot

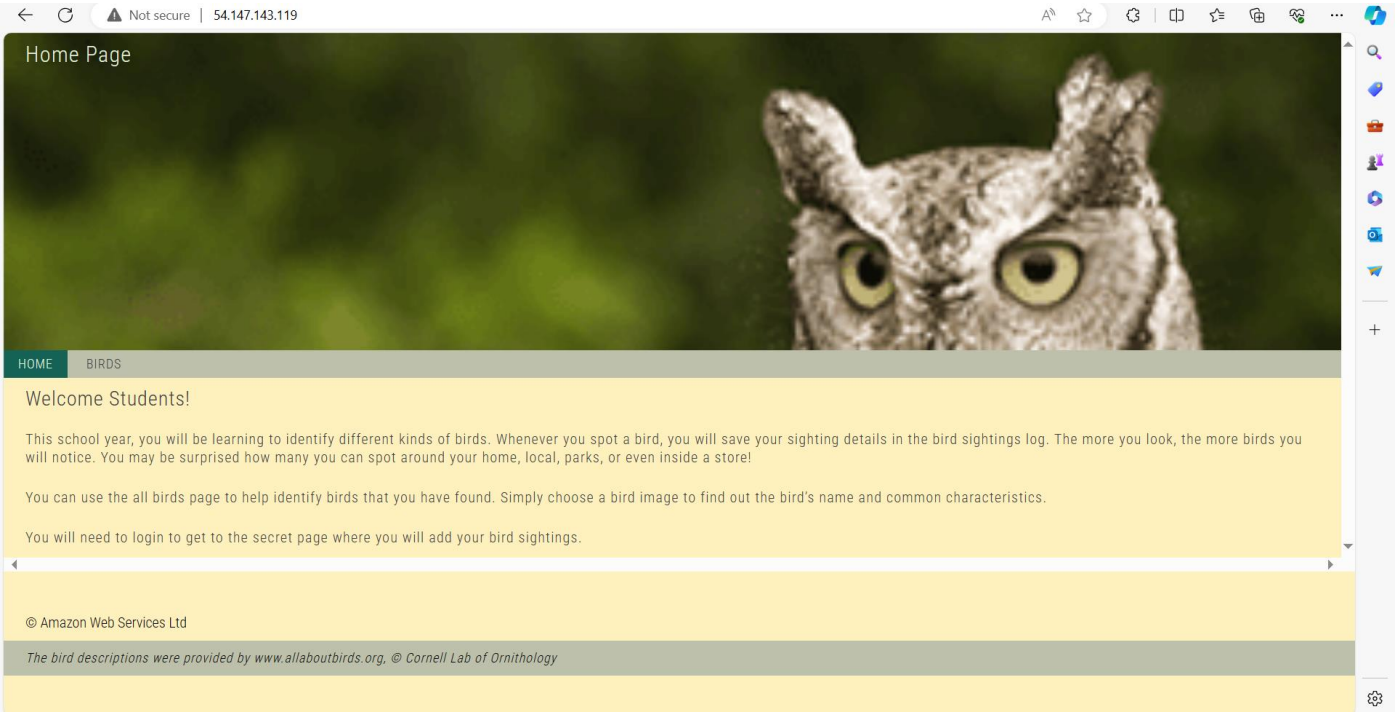


## Task 4: Updating your security group and accessing the web server Question: Are you able to access your web server? If not, then why?



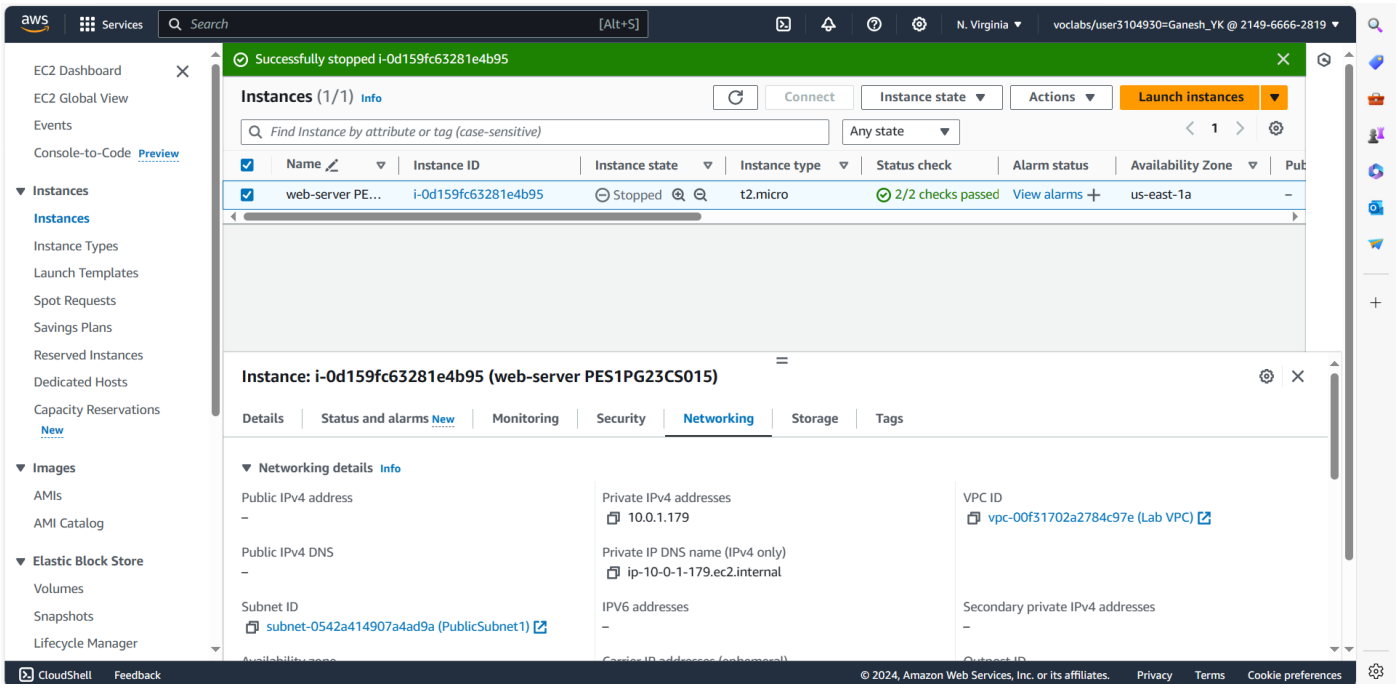

Add rule by selecting type as **HTTP** and source as **Anywhere-IPv4.**

## Screenshot 2: Accessing the Public IP after adding inbound rule

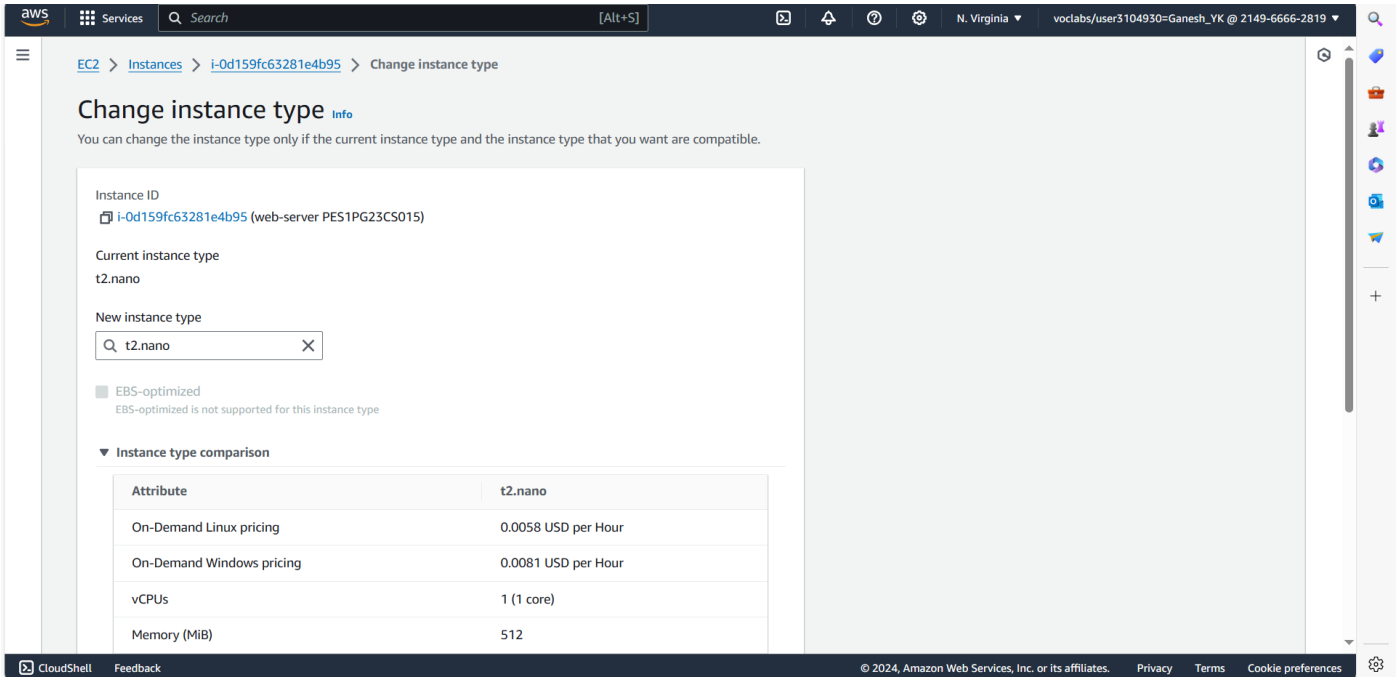


# Task 5: Resizing your instance - instance type and EBS volume

## Screenshot 1: Stop your instance

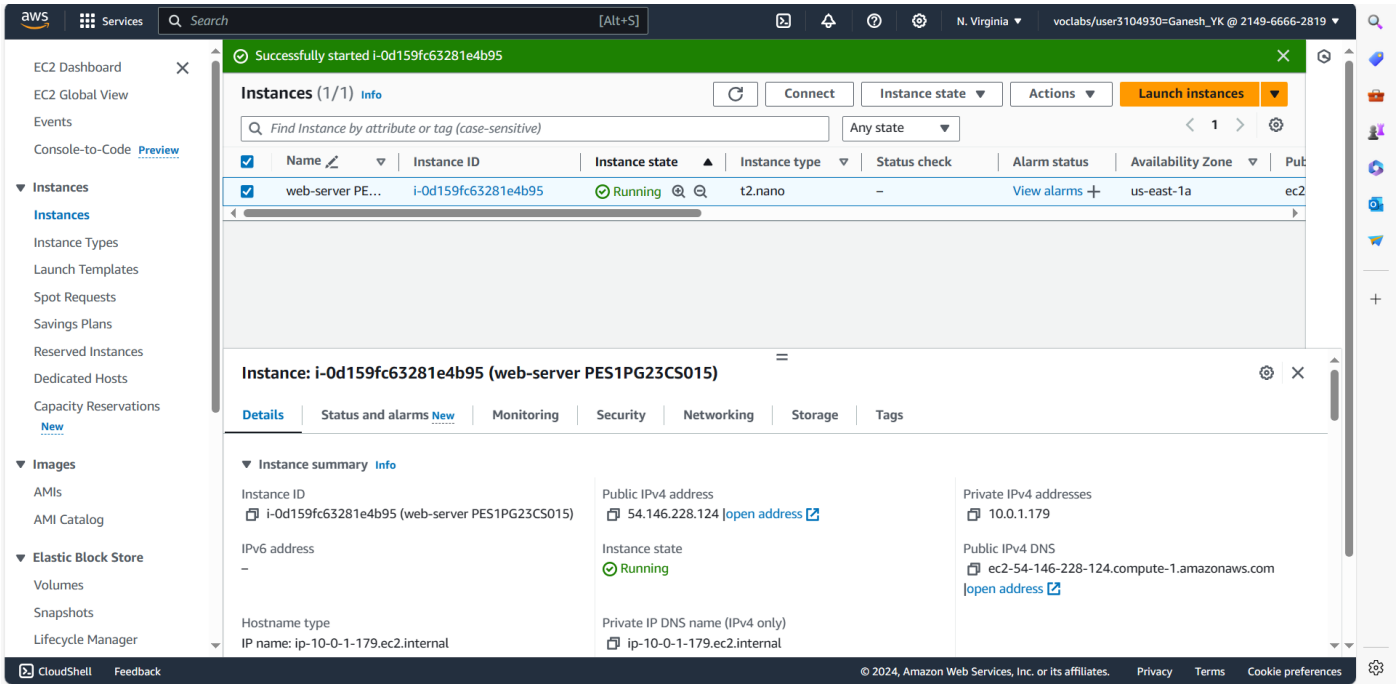



## Screenshot 2: Change the instance type




Change the instance type **t2.nano.**

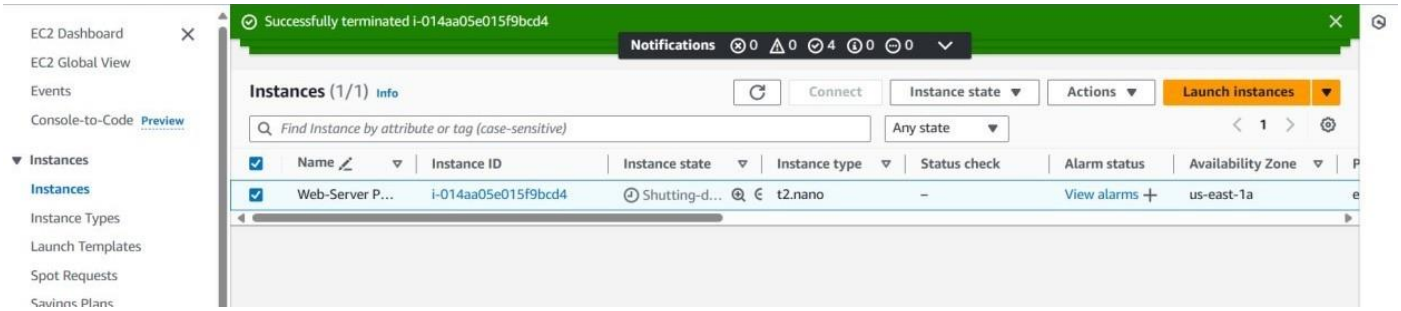
# Screenshot 4: Start the resized instance



## Task 6: Testing termination protection

## Question: Are you able to terminate? Yes, or No? If “No,” why?

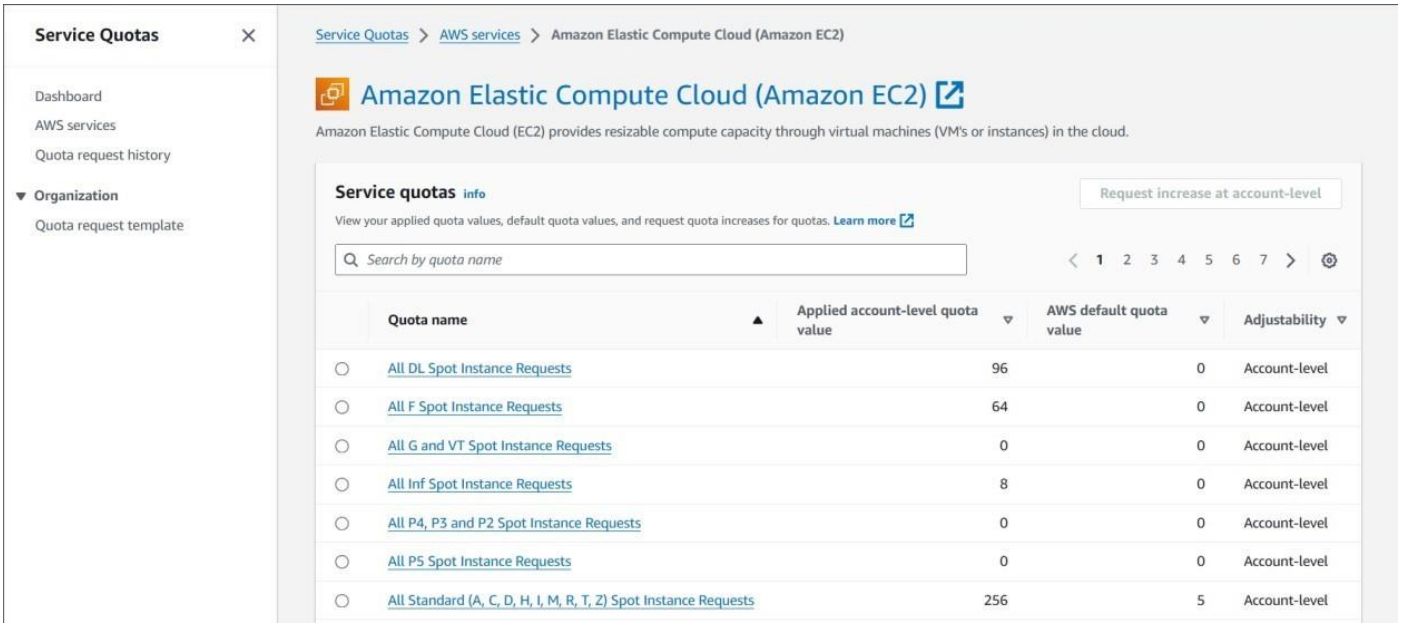
## Screenshot: Termination of instance




Termination protection is enabled and doesn’t allow to terminate an instance. Hence, change terminal protection to disable mode and save. Now, the termination is possible.

## Task 7: Exploring EC2 limits


**Amazon Elastic Compute Cloud** is chosen in AWS Services. AWS Service is selected in **Service Quotas**.



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