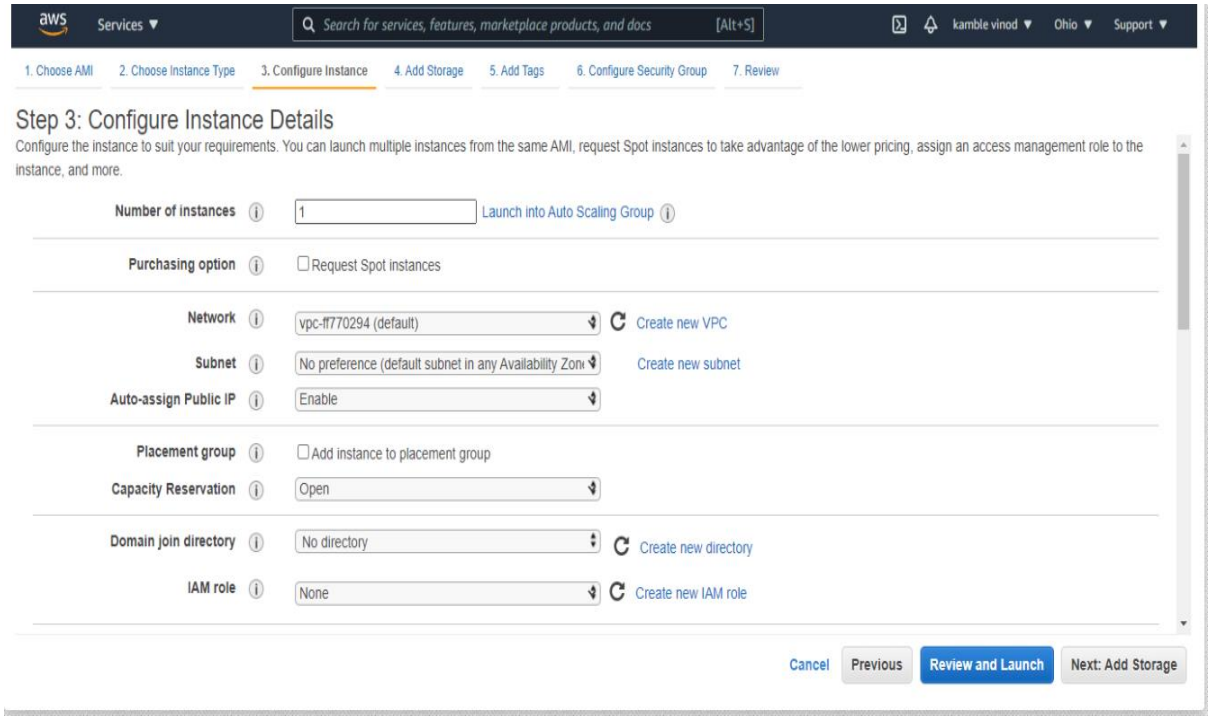
Day 2 Assignments

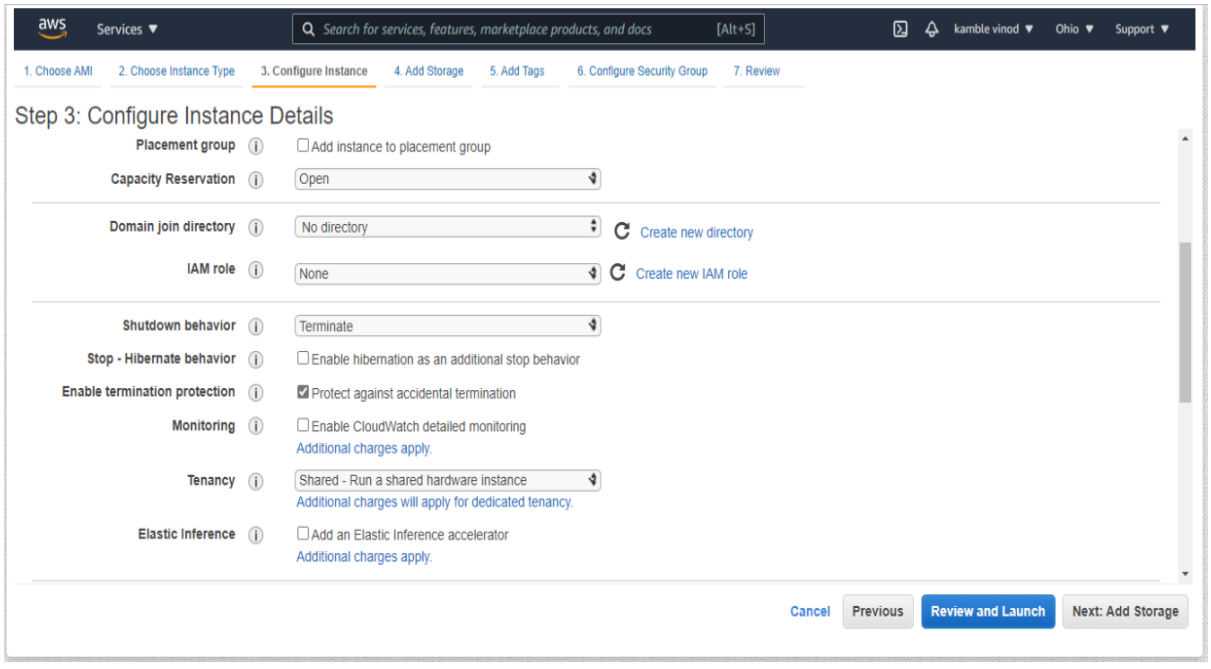
Assignment 2

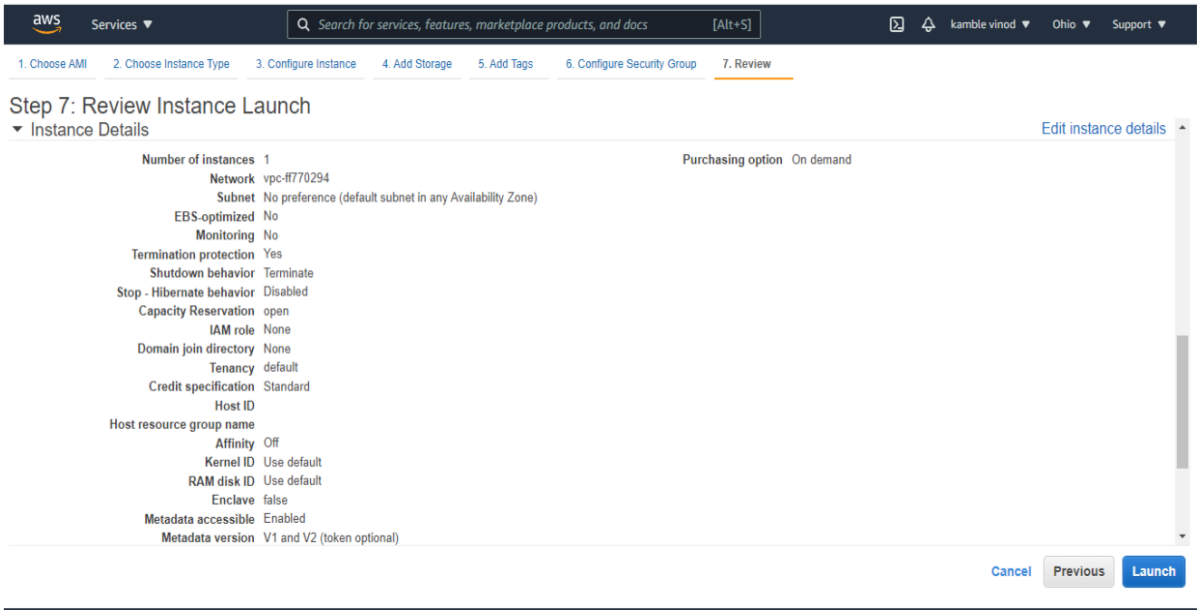
Creating EC2 instance with termination protection

Create an EC2 instance:

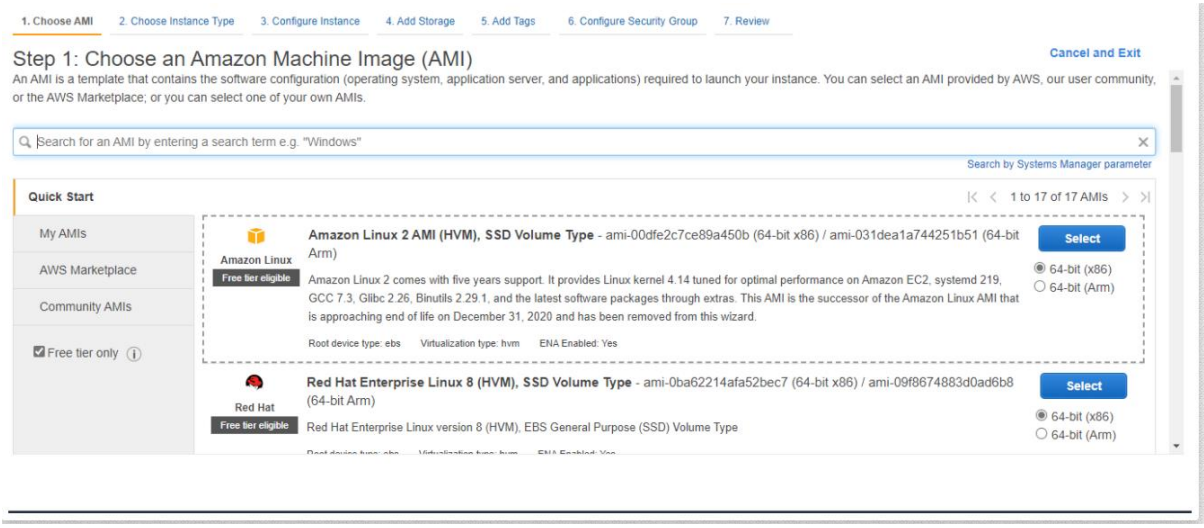
1) Instance details:



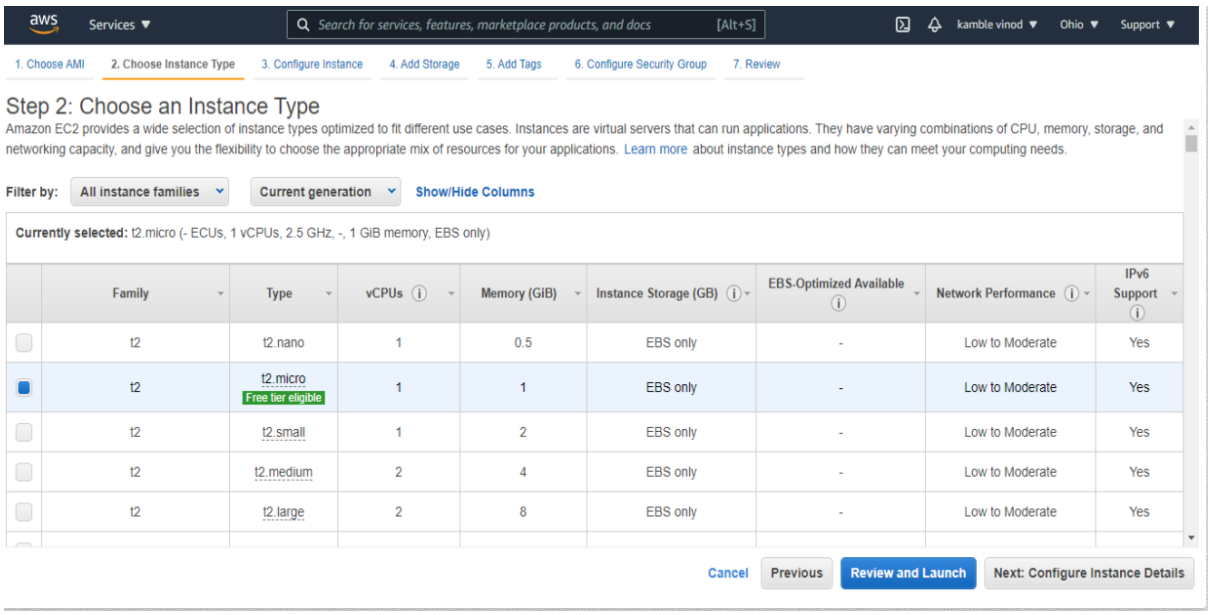




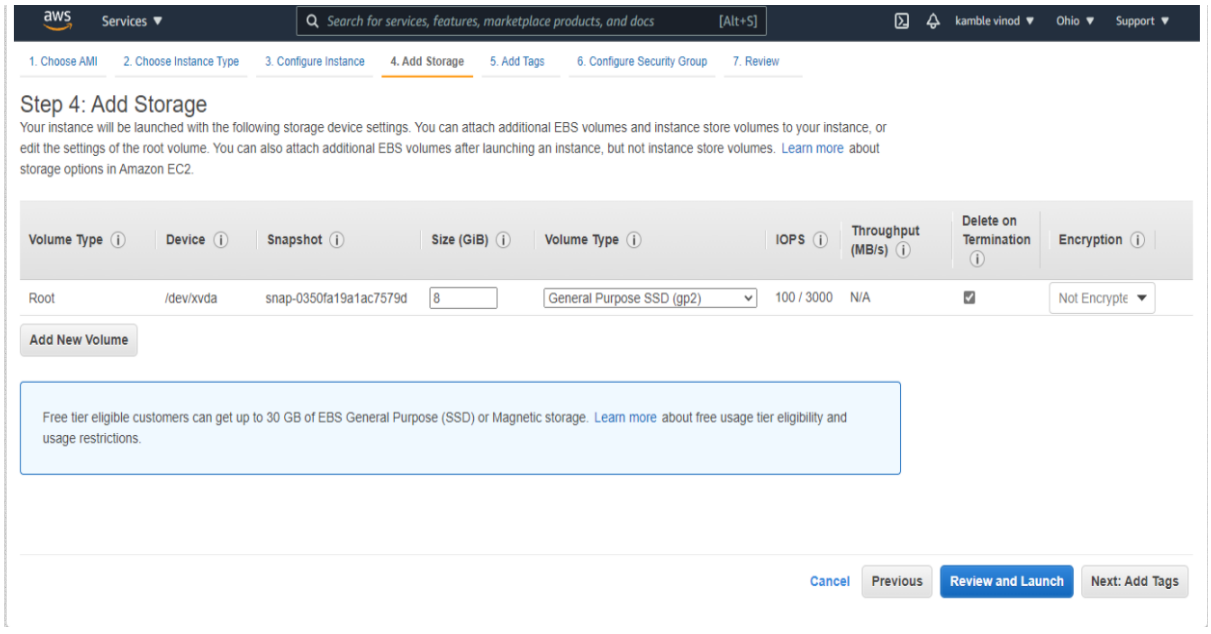
2) Every step (instance type, storage, tags, network etc,.)
Choose AMI:



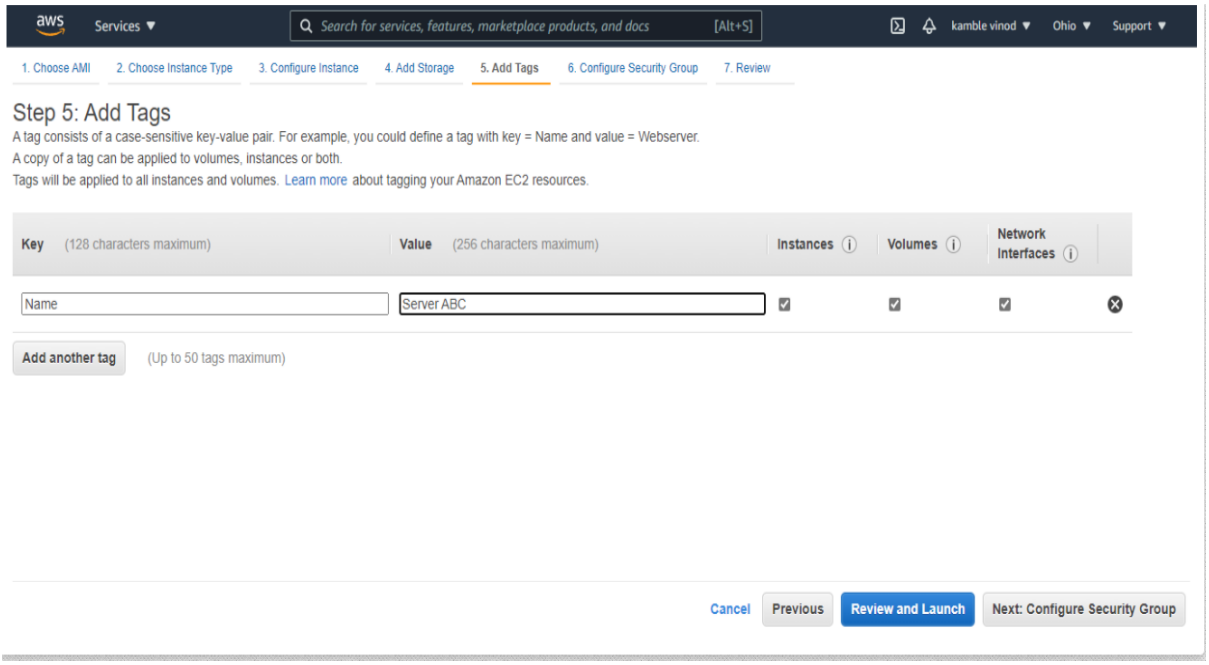
Choose instant type:



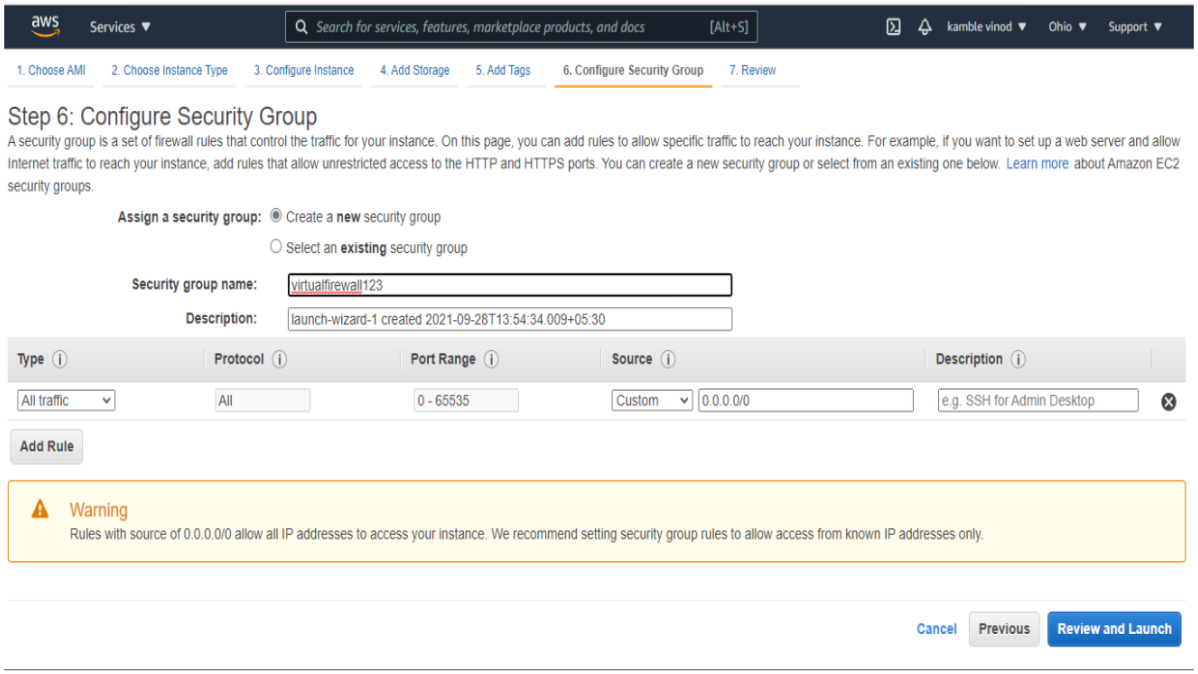
Add storage:



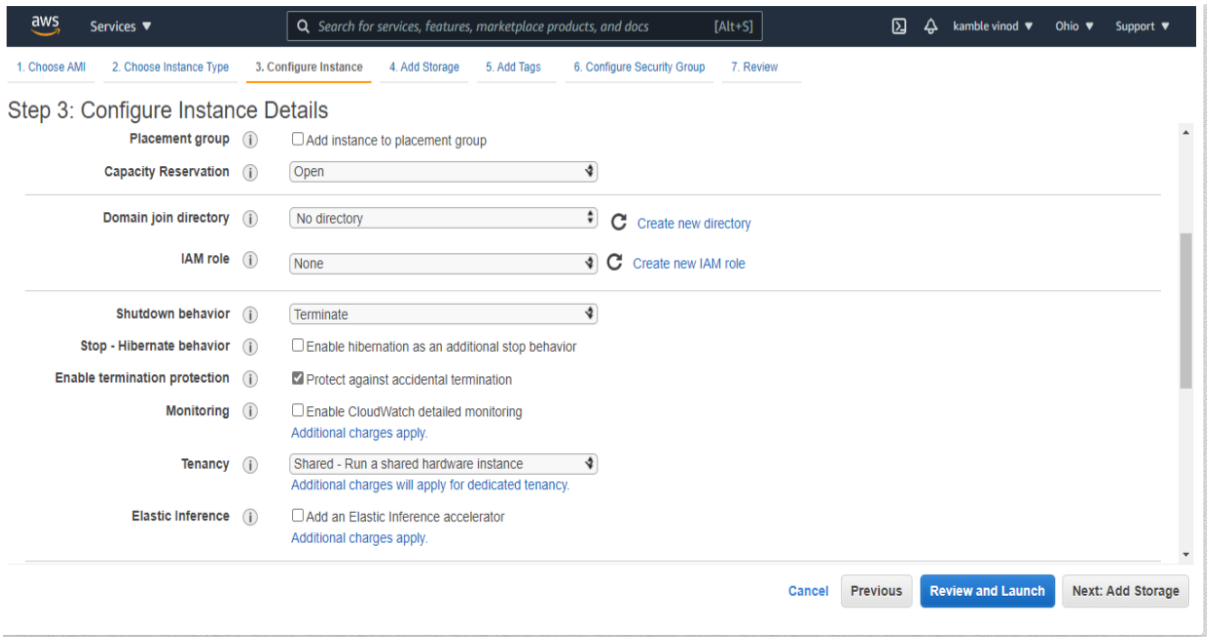
Add tags:

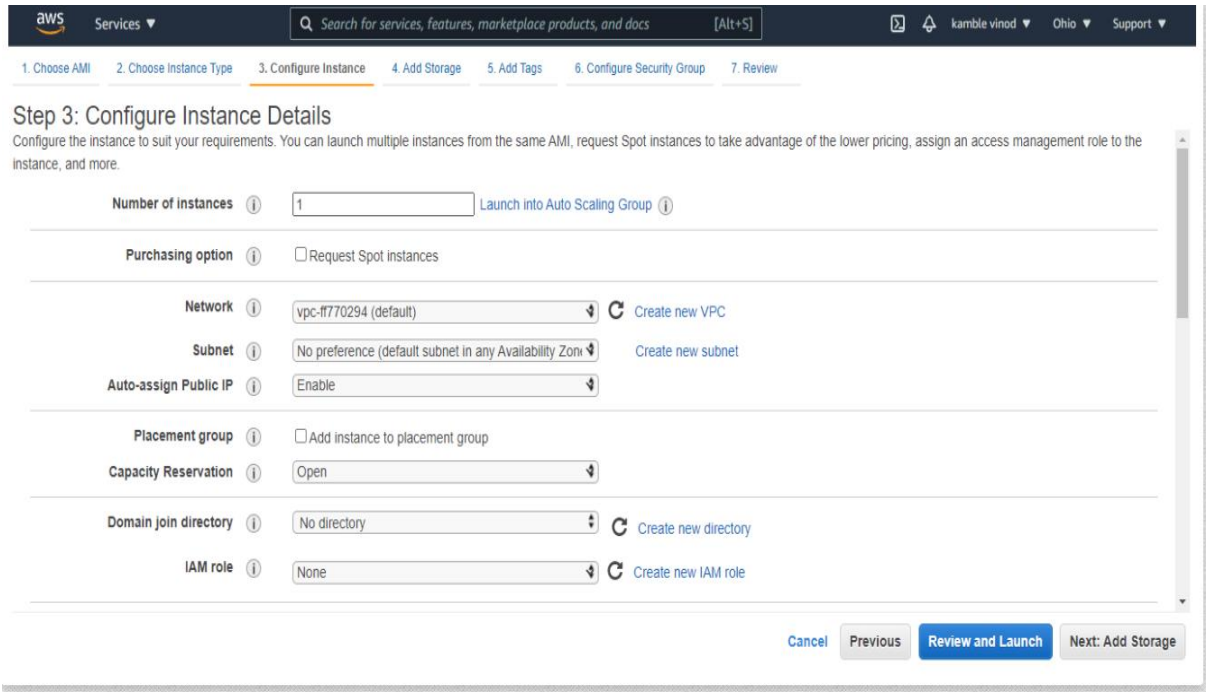


Configure security group:

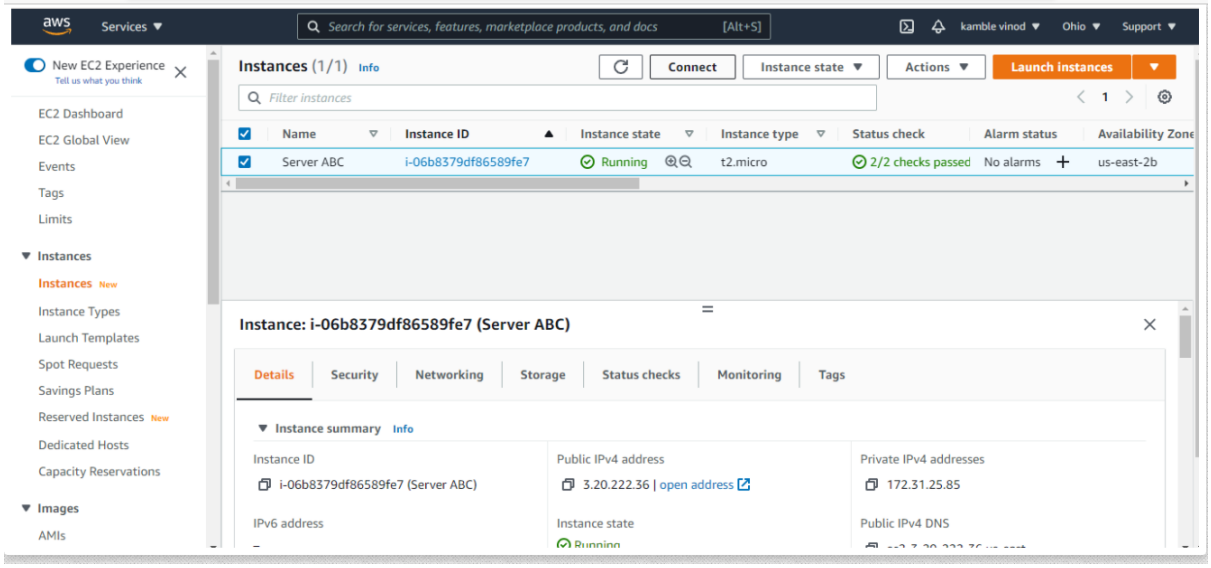


Enable termination protection:





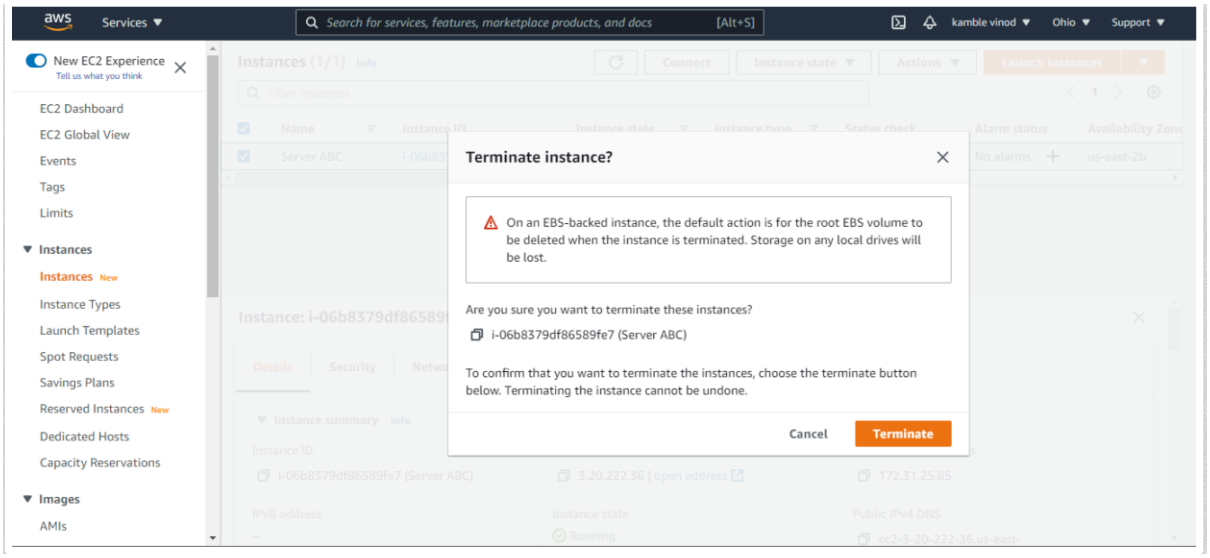
Connect to your instance and run the system update:



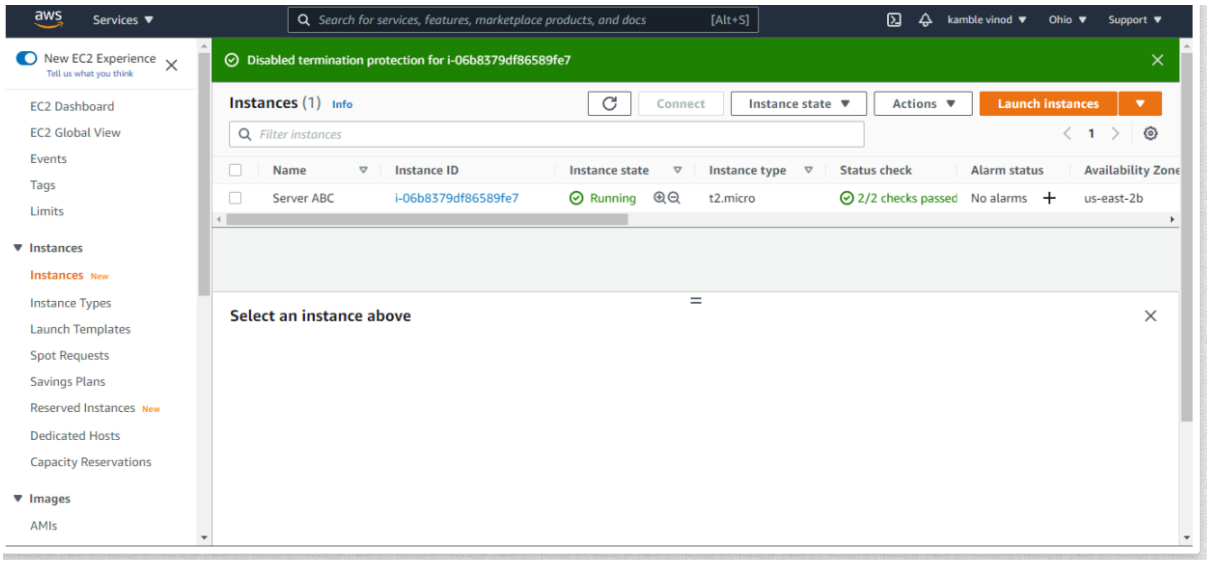
instant console:

```
  grub2.x86_64 1:2.06-2.amzn2.0.6                    grub2-pc.x86_64 1:2.06-2.amzn2.0.6
  grub2-tools.x86_64 1:2.06-2.amzn2.0.6              grub2-tools-efi.x86_64 1:2.06-2.amzn2.0.6
  grub2-tools-extra.x86_64 1:2.06-2.amzn2.0.6        grub2-tools-minimal.x86_64 1:2.06-2.amzn2.0.6
  kernel.x86_64 0:4.14.246-187.474.amzn2

Updated:
  curl.x86_64 0:7.76.1-7.amzn2.0.2                   device-mapper.x86_64 7:1.02.170-6.amzn2.5
  device-mapper-event.x86_64 7:1.02.170-6.amzn2.5    device-mapper-event-libs.x86_64 7:1.02.170-6.amzn2.5
  device-mapper-libs.x86_64 7:1.02.170-6.amzn2.5     glibc.x86_64 0:2.26-54.amzn2
  glibc-all-langpacks.x86_64 0:2.26-54.amzn2         glibc-common.x86_64 0:2.26-54.amzn2
  glibc-locale-source.x86_64 0:2.26-54.amzn2         glibc-minimal-langpack.x86_64 0:2.26-54.amzn2
  grub2-common.noarch 1:2.06-2.amzn2.0.6             grub2-efi-x64-ec2.x86_64 1:2.06-2.amzn2.0.6
  grub2-pc-modules.noarch 1:2.06-2.amzn2.0.6         kernel-tools.x86_64 0:4.14.246-187.474.amzn2
  libblkid.x86_64 0:2.30.2-2.amzn2.0.5               libcrypt.x86_64 0:2.26-54.amzn2
  libcurl.x86_64 0:7.76.1-7.amzn2.0.2                libfdisk.x86_64 0:2.30.2-2.amzn2.0.5
  libmount.x86_64 0:2.30.2-2.amzn2.0.5               libsmartcols.x86_64 0:2.30.2-2.amzn2.0.5
  libuuid.x86_64 0:2.30.2-2.amzn2.0.5                lvm2.x86_64 7:2.02.187-6.amzn2.5
  lvm2-libs.x86_64 7:2.02.187-6.amzn2.5              openldap.x86_64 0:2.4.44-23.amzn2.0.2
  systemd.x86_64 0:219-78.amzn2.0.15                 systemd-libs.x86_64 0:219-78.amzn2.0.15
  systemd-sysv.x86_64 0:219-78.amzn2.0.15            util-linux.x86_64 0:2.30.2-2.amzn2.0.5

Replaced:
  grub2.x86_64 1:2.06-2.amzn2.0.3                   grub2-tools.x86_64 1:2.06-2.amzn2.0.3

Complete!
[ec2-user@ip-172-31-25-85 ~]$
```

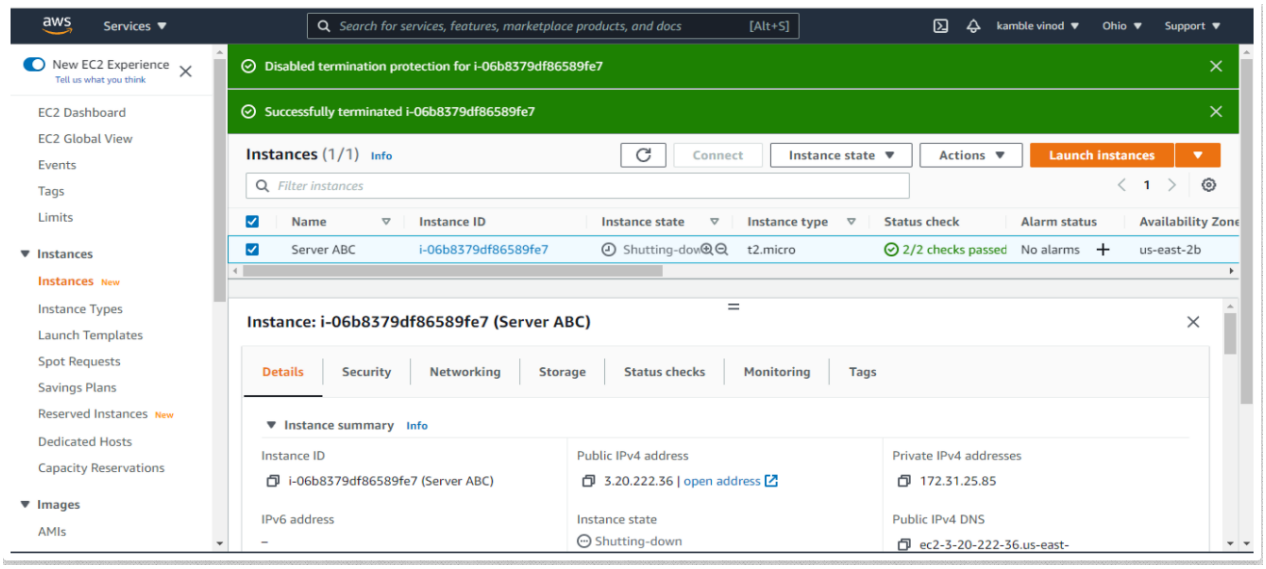
Disable termination protection: terminate instance:



disable termination protection:

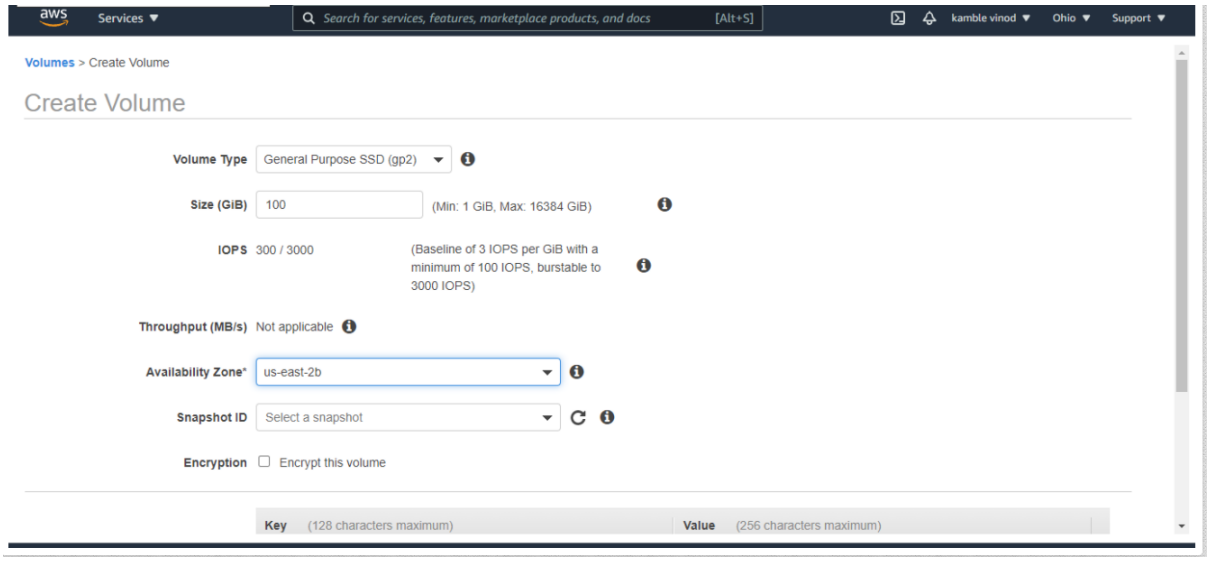


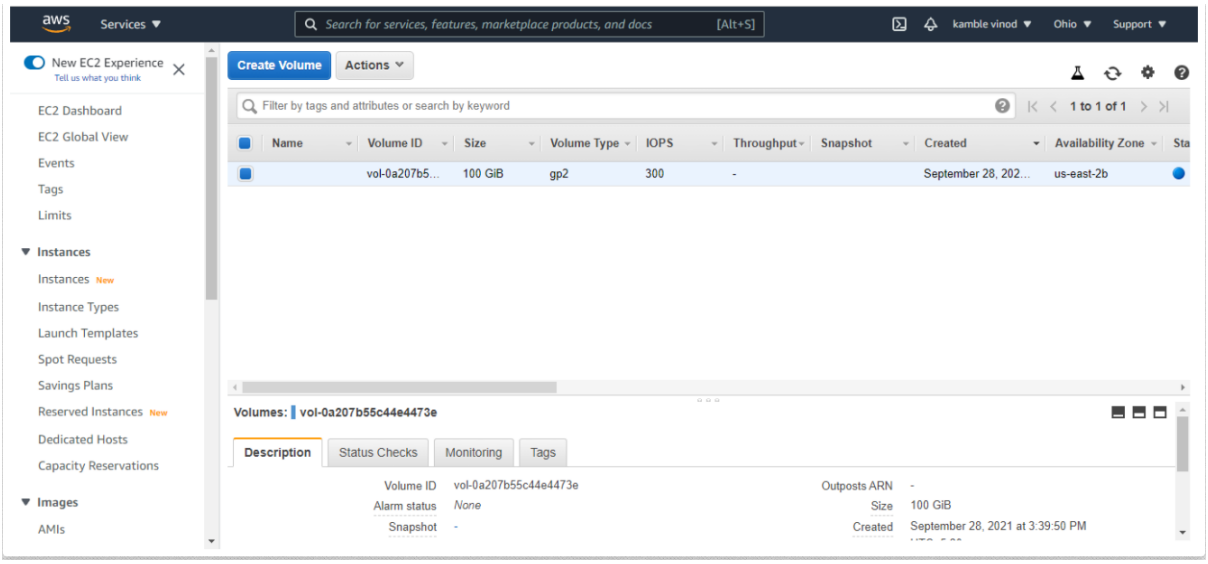
Terminate your EC2 instance:



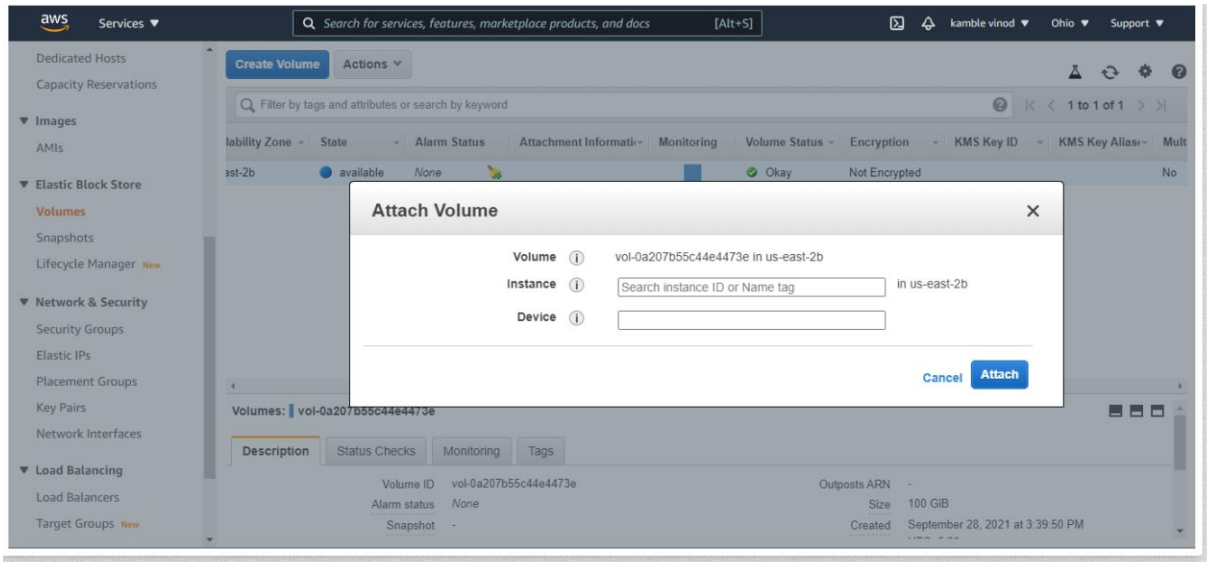
Assignment 3:

Working with EBS volumes Create a volume:

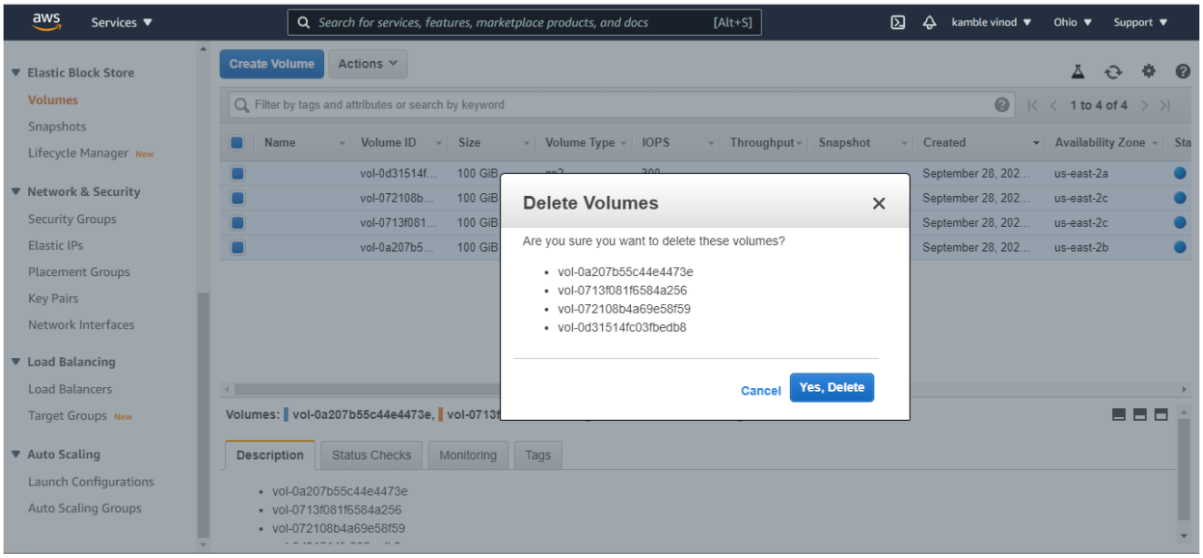




Attach volume to the instance:

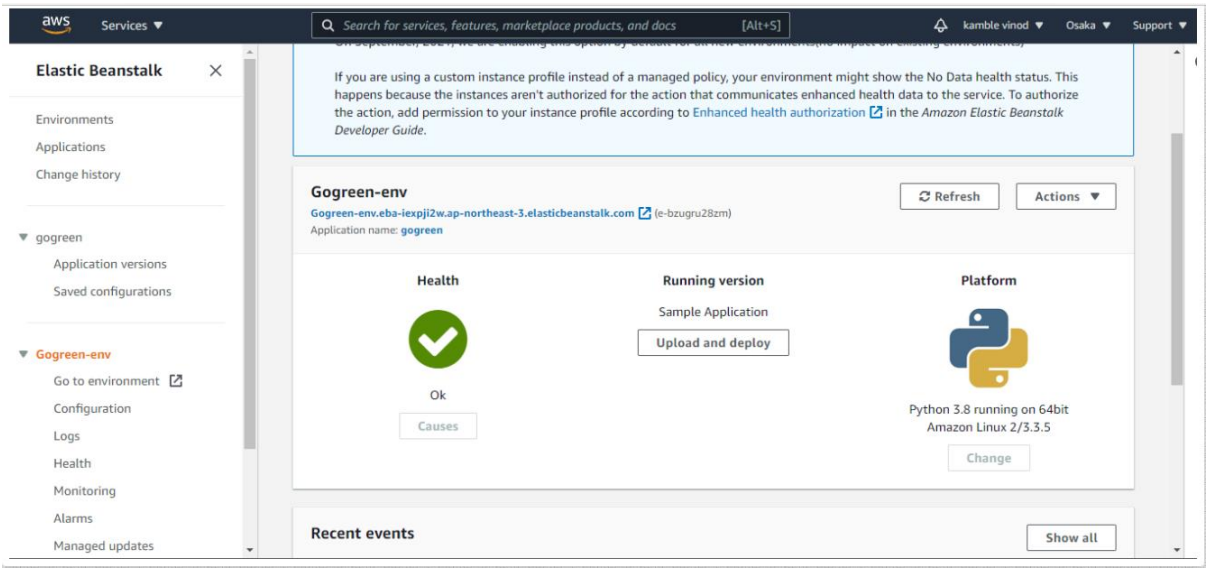


Delete volume:

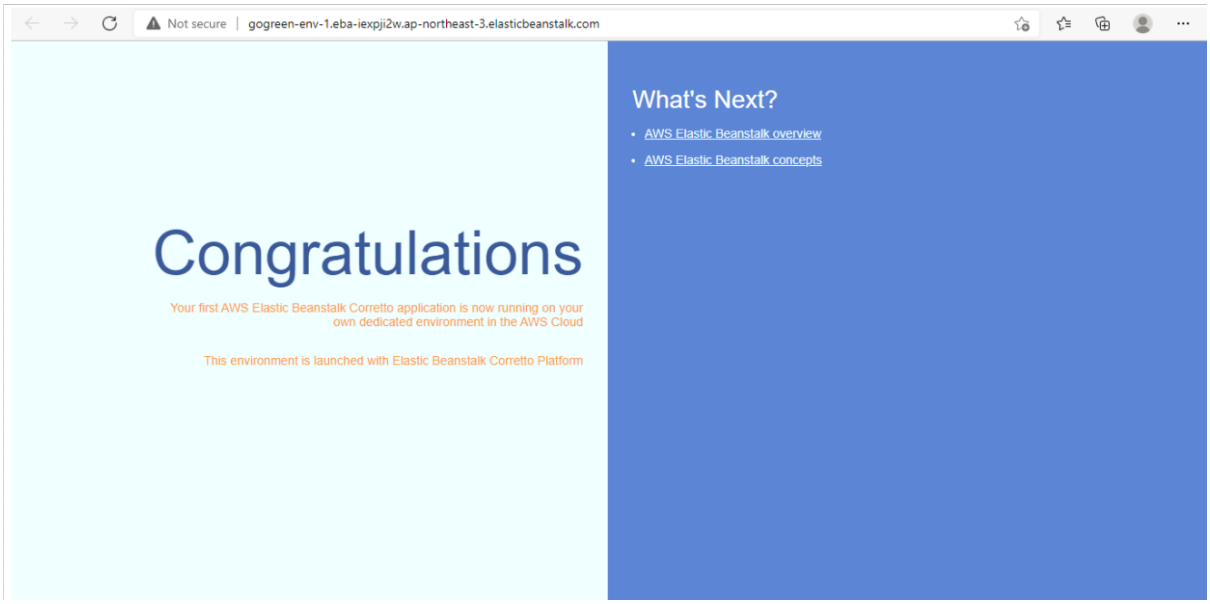


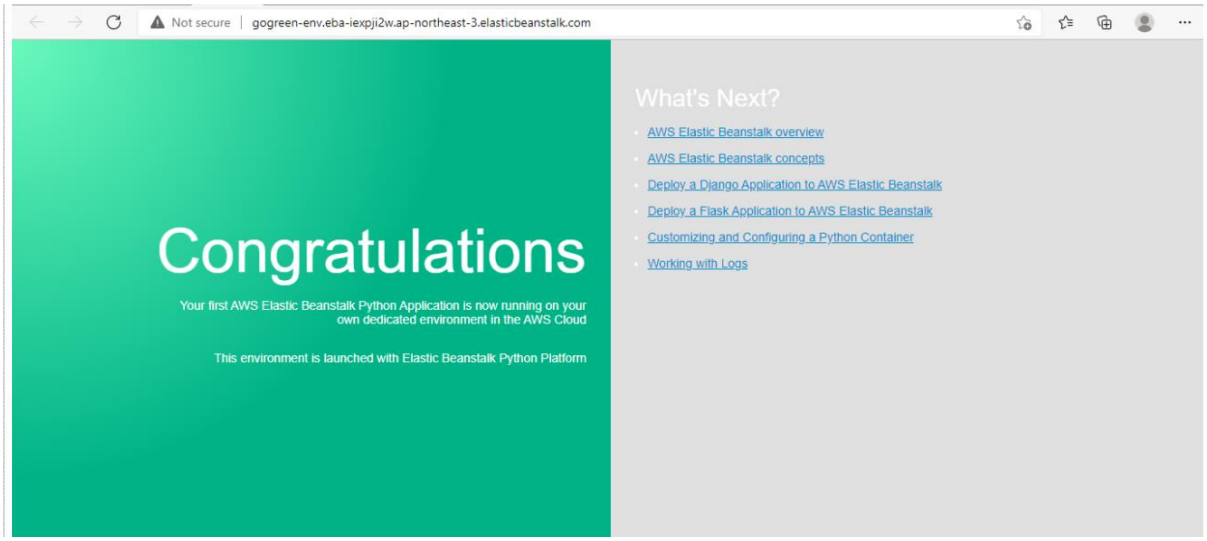
Assignment 4:

Working on elastic beanstalk Deploy sample application on elastic beanstalk:



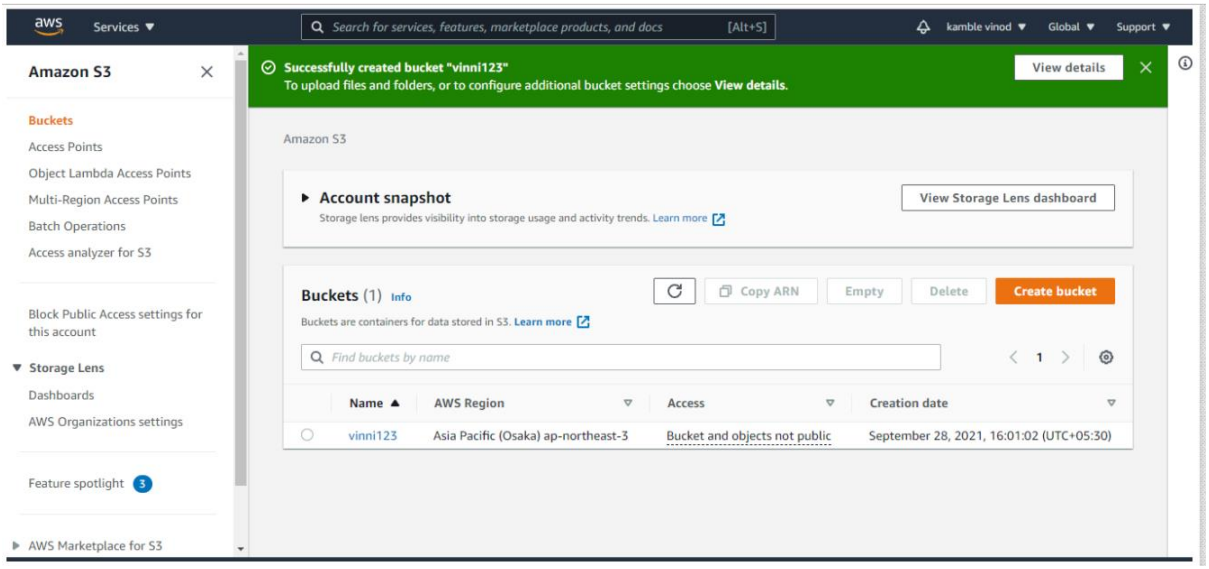
Create multiple environments within the sample application and Deploy different versions of applications in different environments:



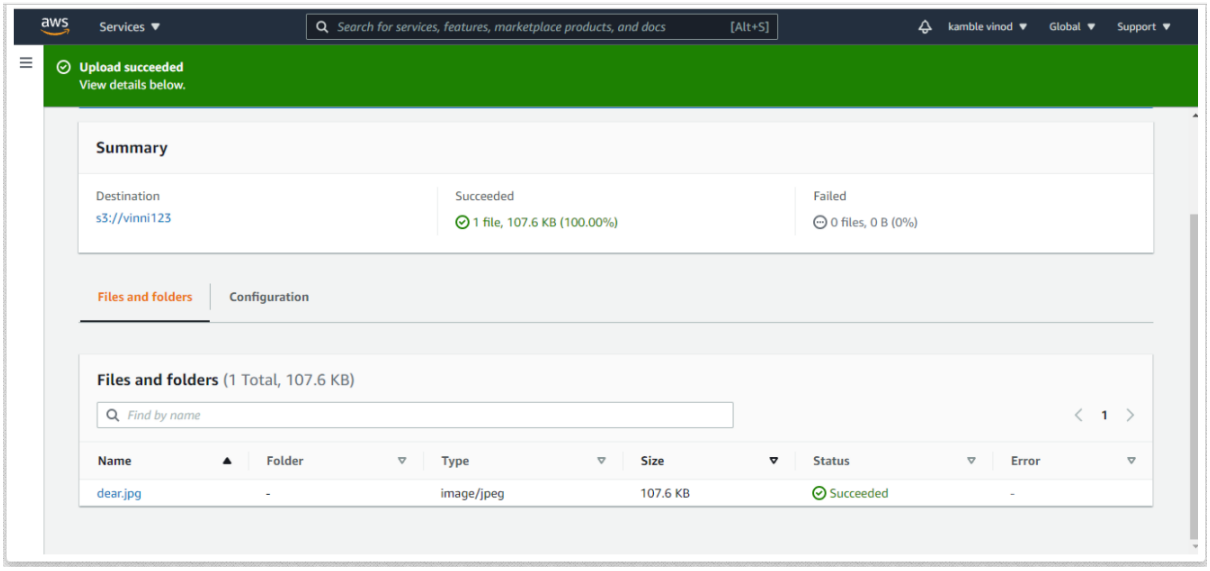

Not secure
gogreen-env.eba-iexpji2w.ap-northeast-3.elasticbeanstalk.com
Congratulations
Your first AWS Elastic Beanstalk Python Application is now running on your own dedicated environment in the AWS Cloud
This environment is launched with Elastic Beanstalk Python Platform
What's Next?
AWS Elastic Beanstalk overview
AWS Elastic Beanstalk concepts
Deploy a Django Application to AWS Elastic Beanstalk
Deploy a Flask Application to AWS Elastic Beanstalk
Customizing and Configuring a Python Container
Working with Logs

Assignment 5

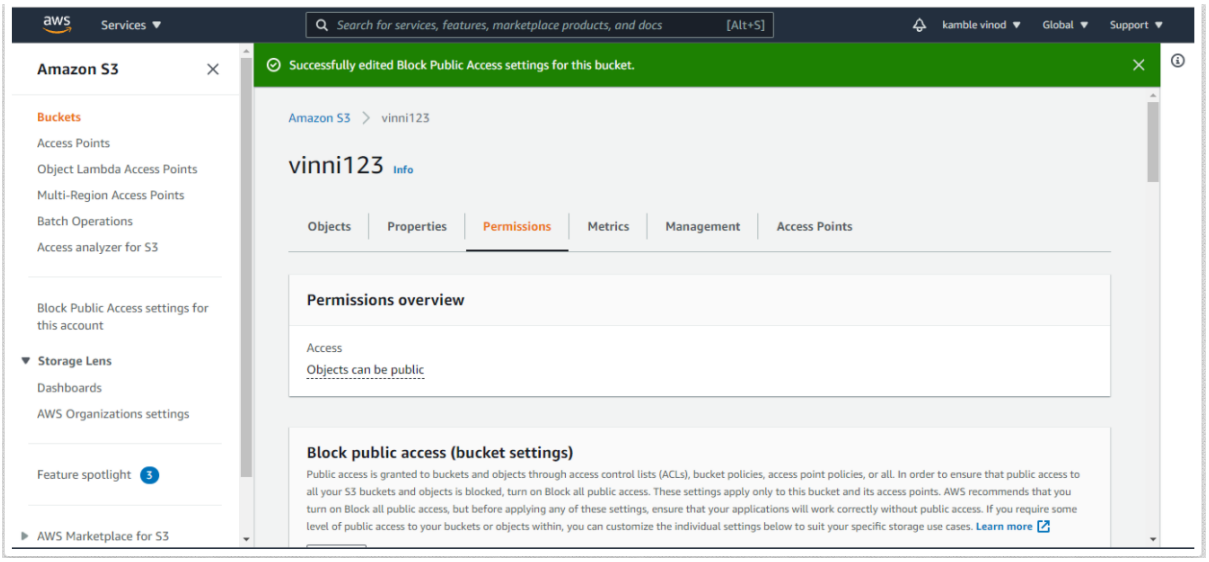
Create an s3 bucket:

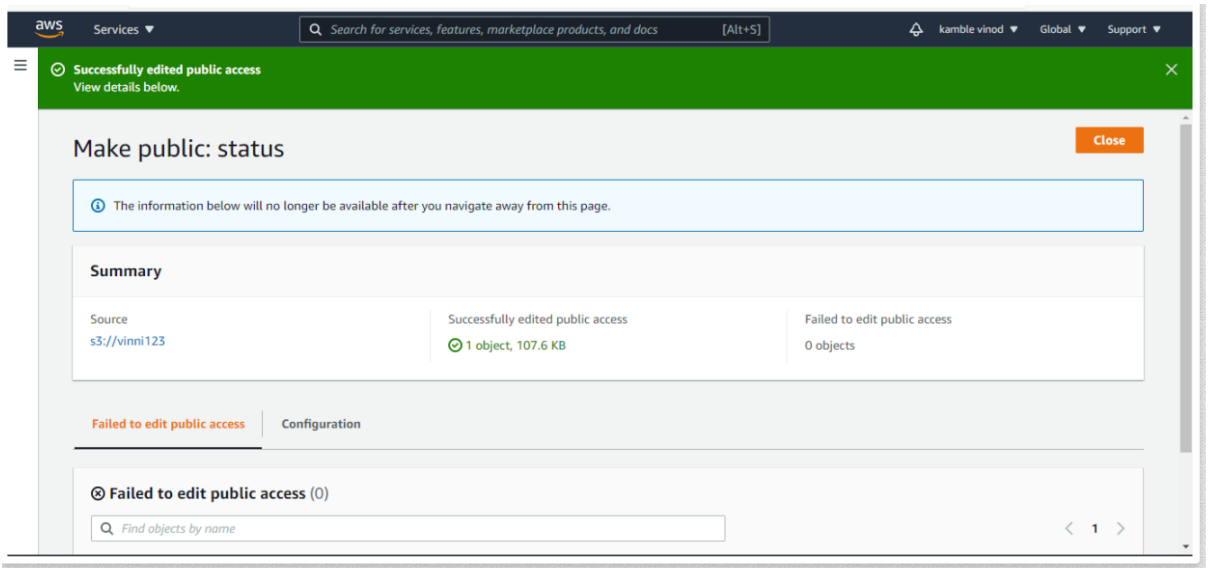


Upload object into the s3 bucket:



Make bucket and object public:





Access the object using object URL: