

AWS Advance Assignment

Project 1: Windows IIS

Project 2: Nginx

Project 3: EBS

Project 4: Explain life cycle effect on instance: Stop, Start, Reboot, terminate-public ip, application installed

Project 5: working with S3

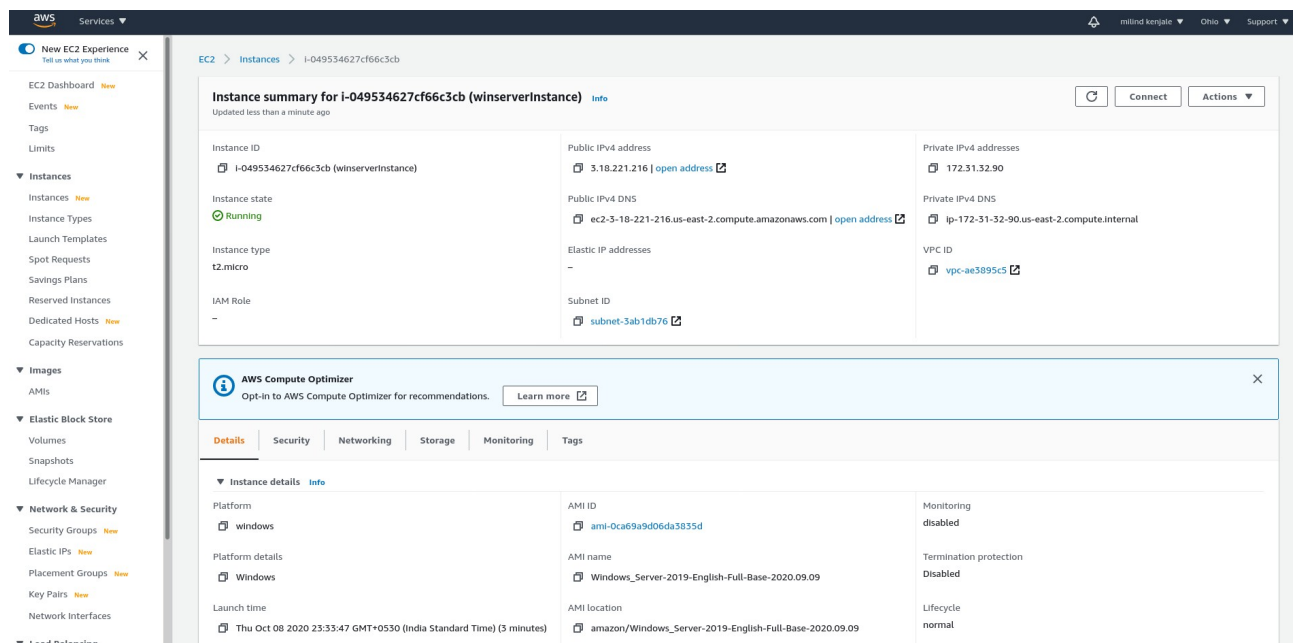
a. JPG

b.Static web Hosting

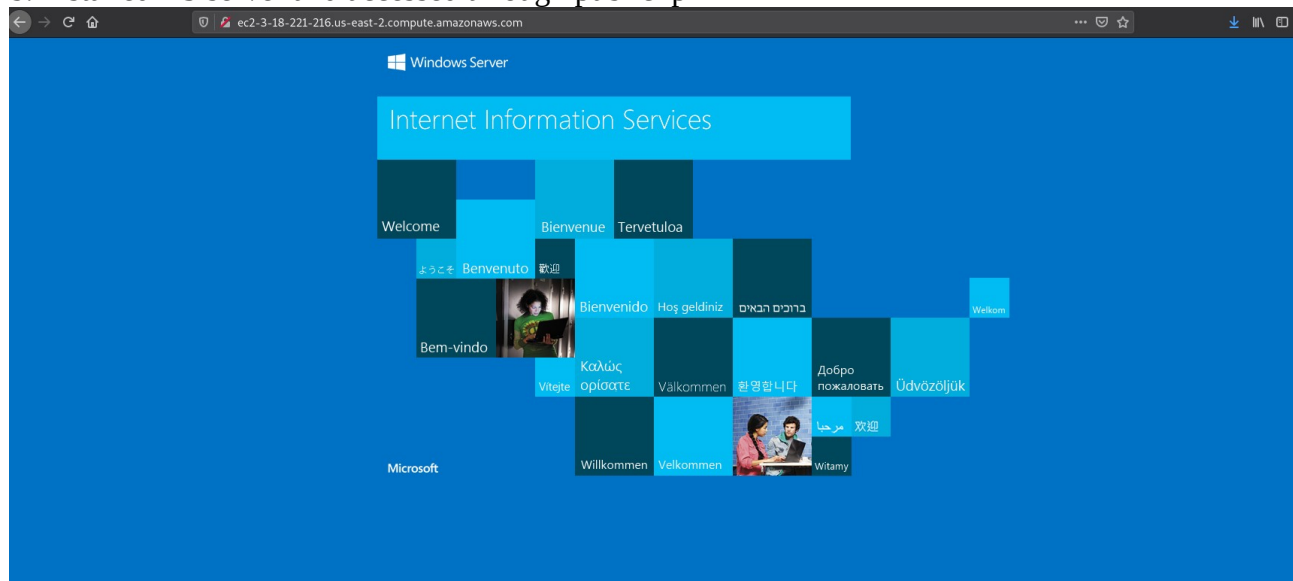
c.Versioning

Project 1: Windows IIS

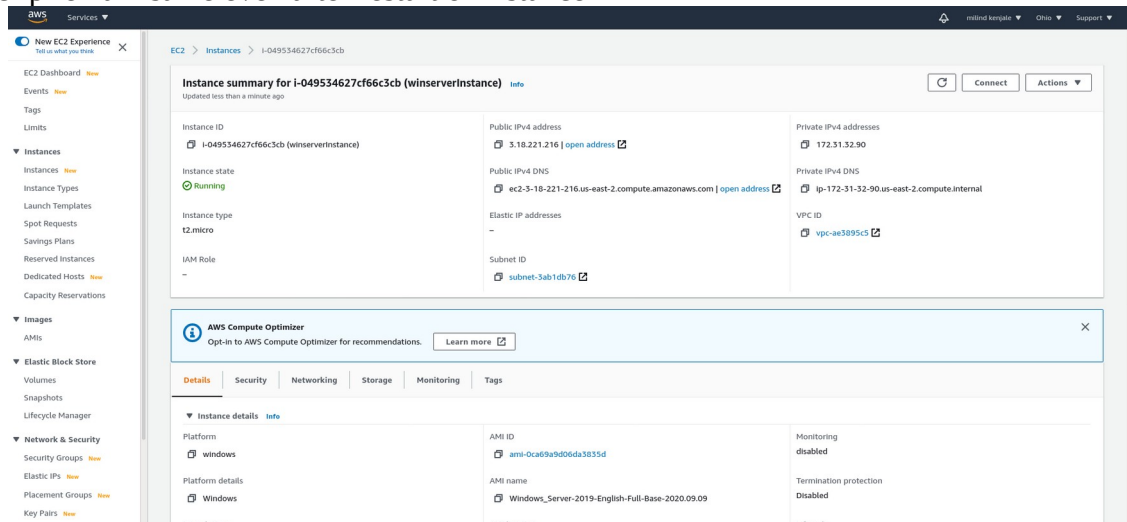
a. Created winServerInstance



b. Installed IIS server and accessed through public ip

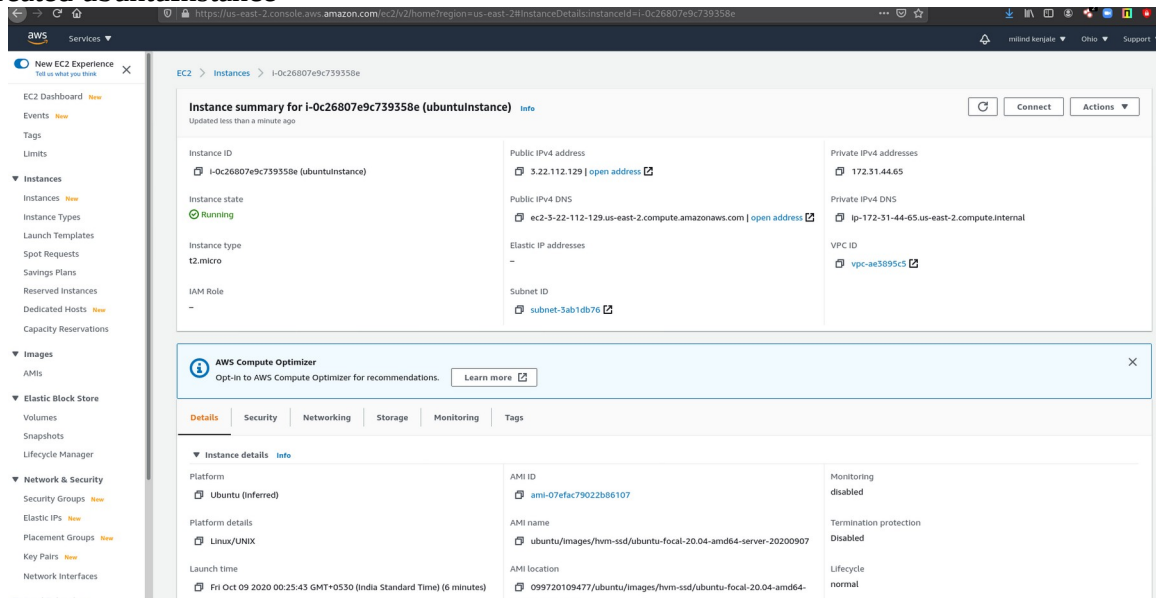


Public Ip remain same even after restart of instance



Project 2: Nginx

a. Created ubuntuInstance



b. Installed nginx



Welcome to nginx!

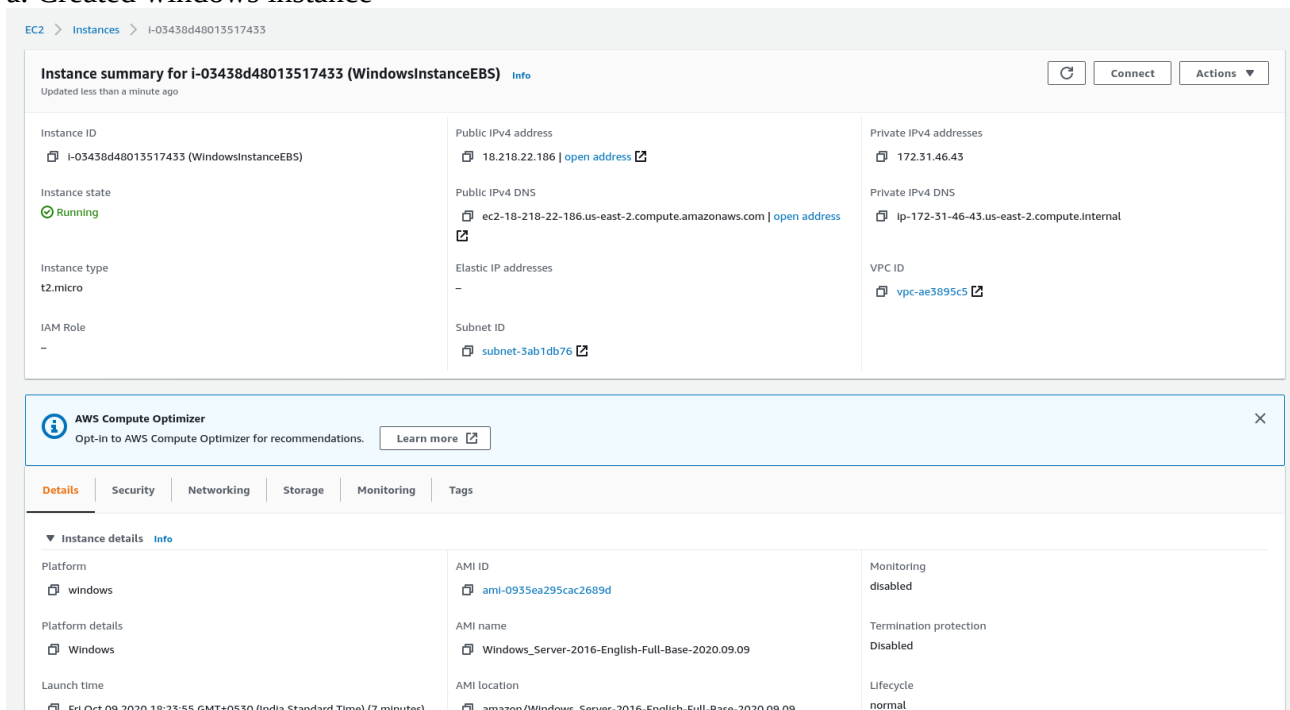
If you see this page, the nginx web server is successfully installed and working. Further configuration is required.

For online documentation and support please refer to nginx.org.
Commercial support is available at nginx.com.

Thank you for using nginx.

Project 3: EBS

a. Created windows instance



The screenshot displays the AWS Management Console for an EC2 instance. The instance is named **i-03438d48013517433 (WindowsInstanceEBS)** and is in the **Running** state. The instance type is **t2.micro**. The public IPv4 address is **18.218.22.186**, and the public IPv4 DNS is **ec2-18-218-22-186.us-east-2.compute.amazonaws.com**. The private IPv4 address is **172.31.46.43**, and the private IPv4 DNS is **ip-172-31-46-43.us-east-2.compute.internal**. The VPC ID is **vpc-ae3895c5**. The instance is running on the **Windows** platform using the **Windows_Server-2016-English-Full-Base-2020.09.09** AMI. The instance was launched on **Fri Oct 09 2020 18:23:55 GMT+0530 (India Standard Time)** (7 minutes ago). The instance is located in the **us-east-2c** Availability Zone. The instance is not monitored, has termination protection disabled, and has a normal lifecycle.

Instance ID	Public IPv4 address	Private IPv4 addresses
i-03438d48013517433 (WindowsInstanceEBS)	18.218.22.186 open address	172.31.46.43

Instance state	Public IPv4 DNS	Private IPv4 DNS
Running	ec2-18-218-22-186.us-east-2.compute.amazonaws.com open address	ip-172-31-46-43.us-east-2.compute.internal

Instance type	Elastic IP addresses	VPC ID
t2.micro	-	vpc-ae3895c5

IAM Role	Subnet ID
-	subnet-3ab1db76

AWS Compute Optimizer
Opt-in to AWS Compute Optimizer for recommendations. [Learn more](#)

Details | Security | Networking | Storage | Monitoring | Tags

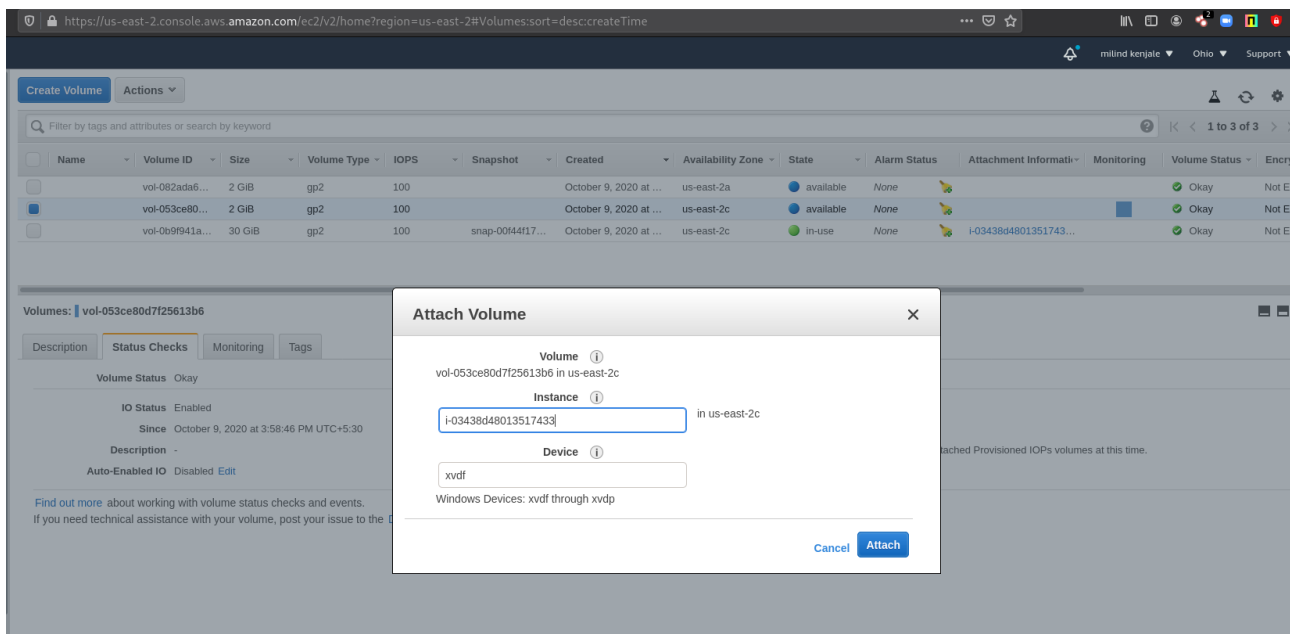
Instance details

Platform	AMI ID	Monitoring
Windows	ami-0935ea295cac2689d	disabled

Platform details	AMI name	Termination protection
Windows	Windows_Server-2016-English-Full-Base-2020.09.09	Disabled

Launch time	AMI location	Lifecycle
Fri Oct 09 2020 18:23:55 GMT+0530 (India Standard Time) (7 minutes)	amazon/Windows_Server-2016-English-Full-Base-2020.09.09	normal

b. Created additional volume of 2GB and attached to EC2 instance



The screenshot shows the AWS Management Console with the 'Attach Volume' dialog box open. The dialog box is titled 'Attach Volume' and contains the following information:

- Volume:** vol-053ce80d7f25613b6 in us-east-2c
- Instance:** i-03438d48013517433 in us-east-2c
- Device:** xvd

The dialog box also includes a 'Cancel' button and an 'Attach' button. The background shows a list of EBS volumes with columns for Name, Volume ID, Size, Volume Type, IOPS, Snapshot, Created, Availability Zone, State, Alarm Status, Attachment Information, Monitoring, Volume Status, and Encryption. The volume vol-053ce80d7f25613b6 is highlighted in the list.

Name	Volume ID	Size	Volume Type	IOPS	Snapshot	Created	Availability Zone	State	Alarm Status	Attachment Information	Monitoring	Volume Status	Encryption
vol-082ada6...	vol-082ada6...	2 GiB	gp2	100		October 9, 2020 at ...	us-east-2a	available	None			Okay	Not E
vol-053ce80...	vol-053ce80...	2 GiB	gp2	100		October 9, 2020 at ...	us-east-2c	available	None			Okay	Not E
vol-0b9f941a...	vol-0b9f941a...	30 GiB	gp2	100	snap-00f44f17...	October 9, 2020 at ...	us-east-2c	in-use	None	i-03438d4801351743...		Okay	Not E

Volumes: vol-053ce80d7f25613b6

Description | **Status Checks** | **Monitoring** | **Tags**

Volume Status: Okay

IO Status: Enabled

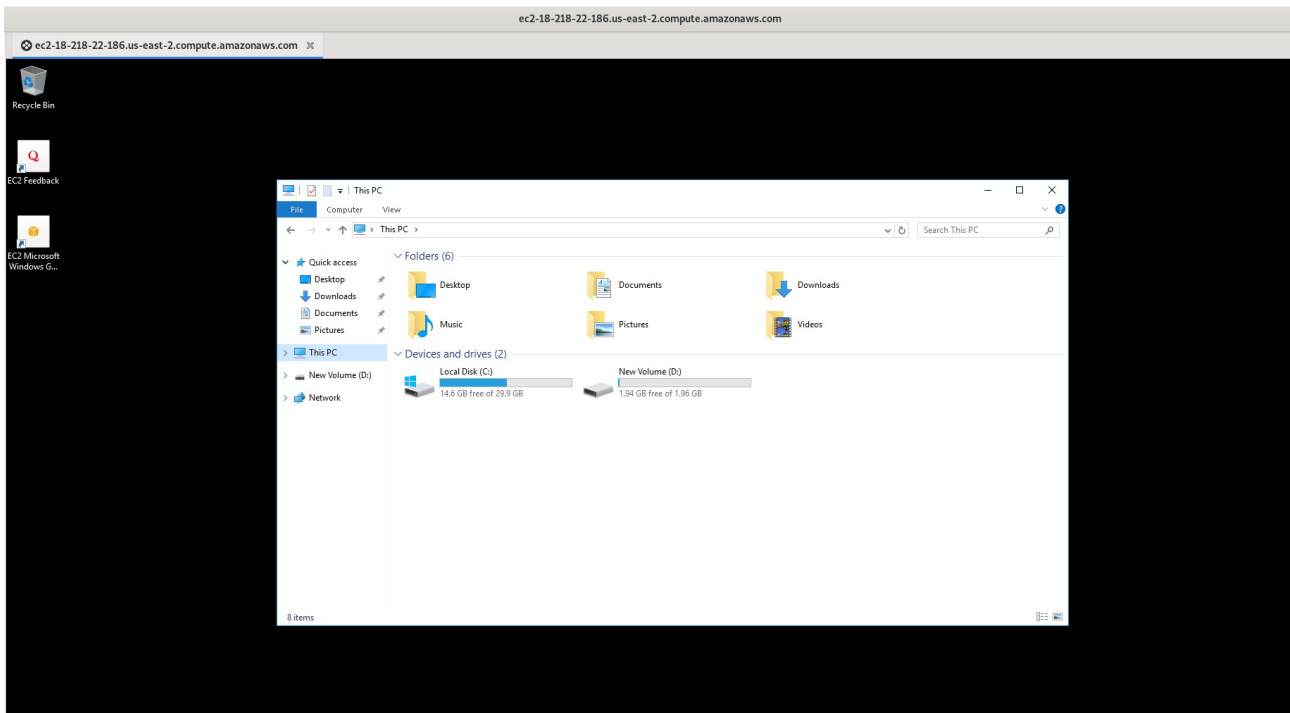
Since: October 9, 2020 at 3:58:46 PM UTC+5:30

Description: -

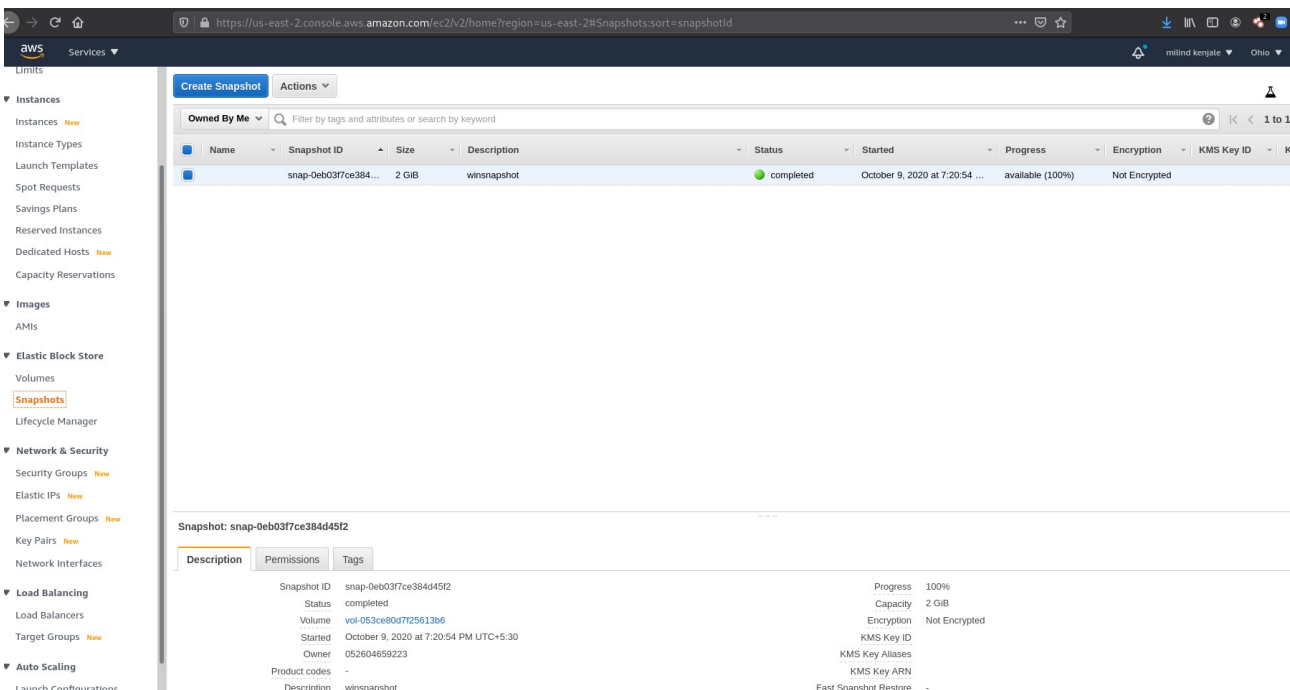
Auto-Enabled IO: Disabled [Edit](#)

[Find out more](#) about working with your volume status checks and events.
If you need technical assistance with your volume, post your issue to the [AWS Support](#) forum.

c. Connected the instance and added the new volume from Server Manager and named as d drive



d. Created snapshot of the volume.

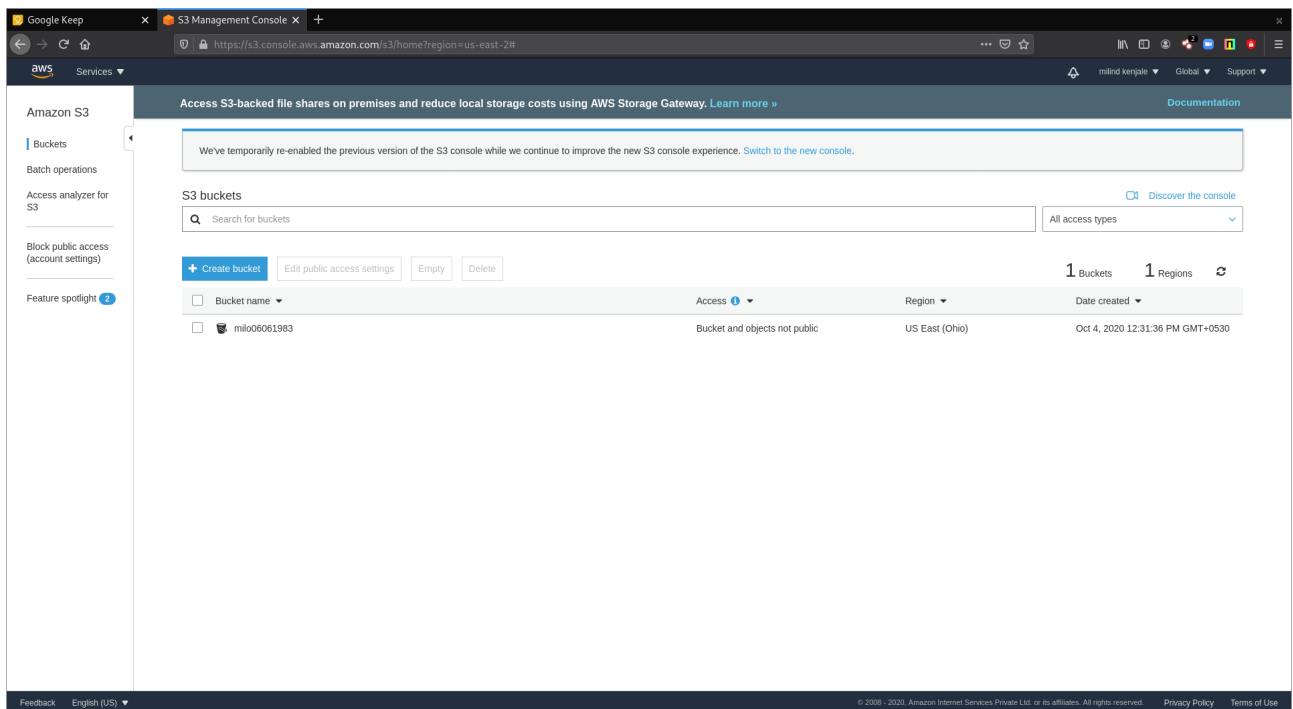
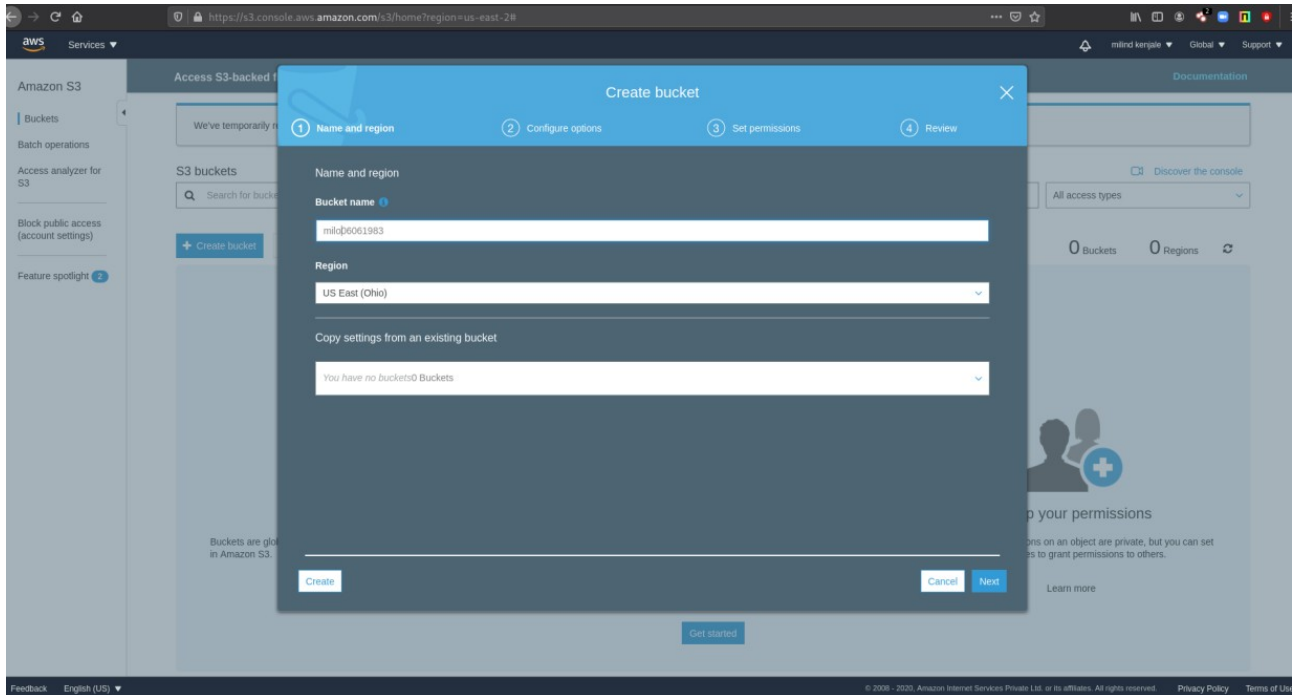


Project 4: working with S3

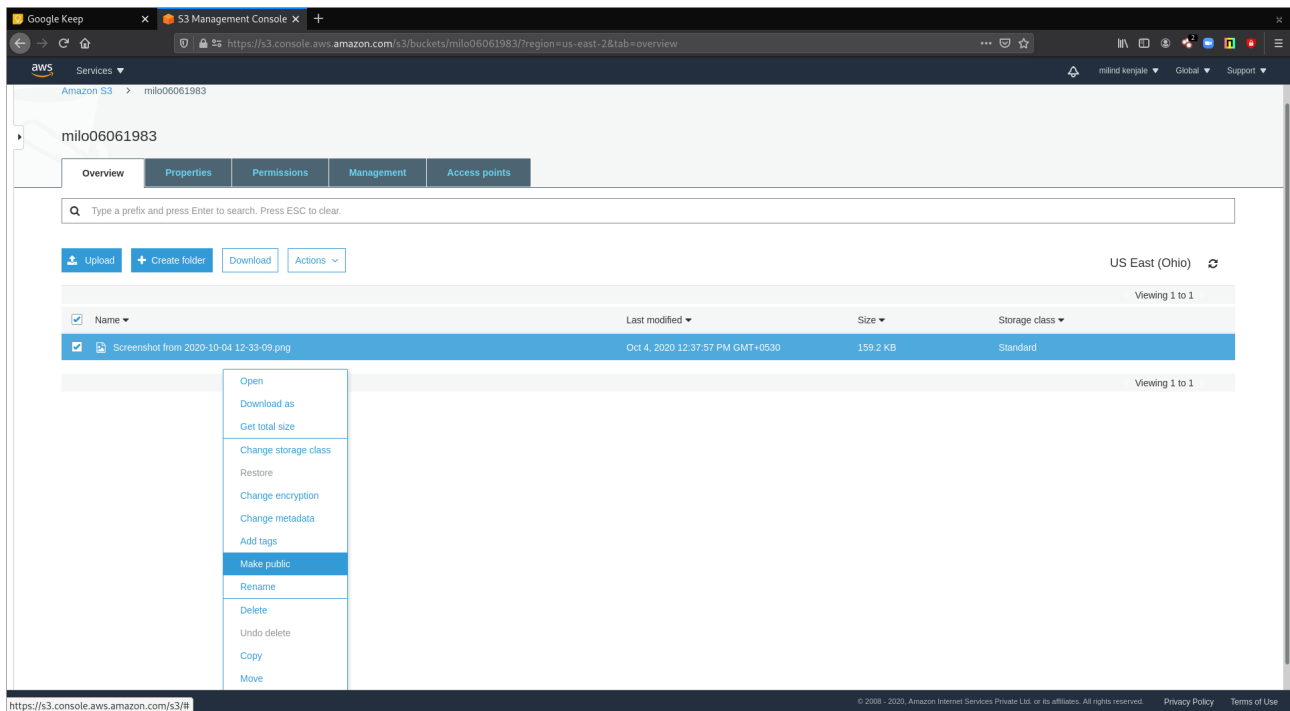
- JPG
- Static web Hosting
- Versioning

JPG

a. Creating a bucket in S3

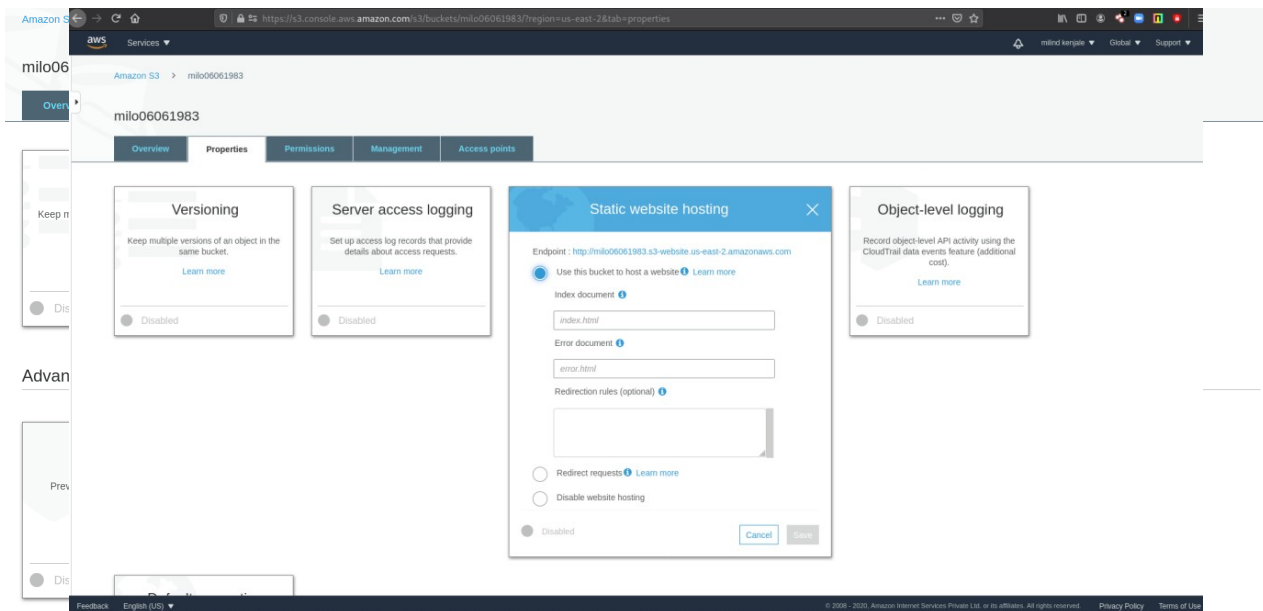


b. Added jpg file into the bucket and provided the rights as public so that the file can be accessible from public ip.



Static Web hosting

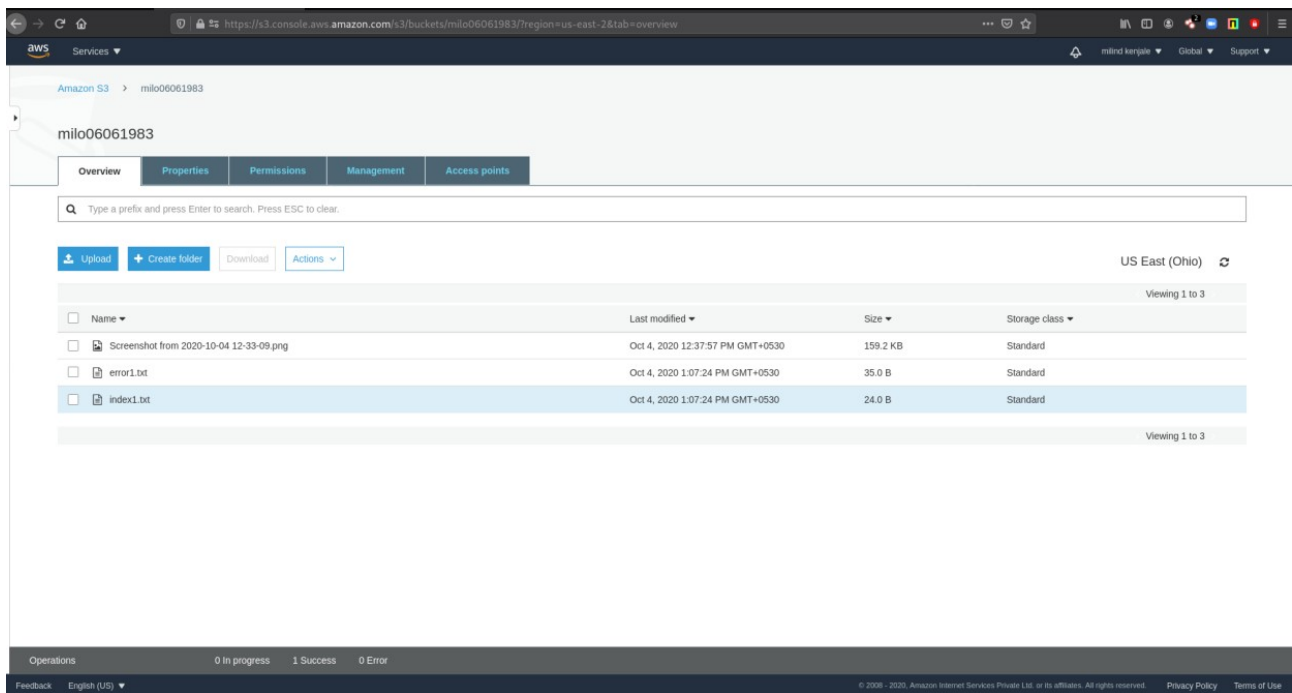
a. Go to created bucket and select Static Website hosting



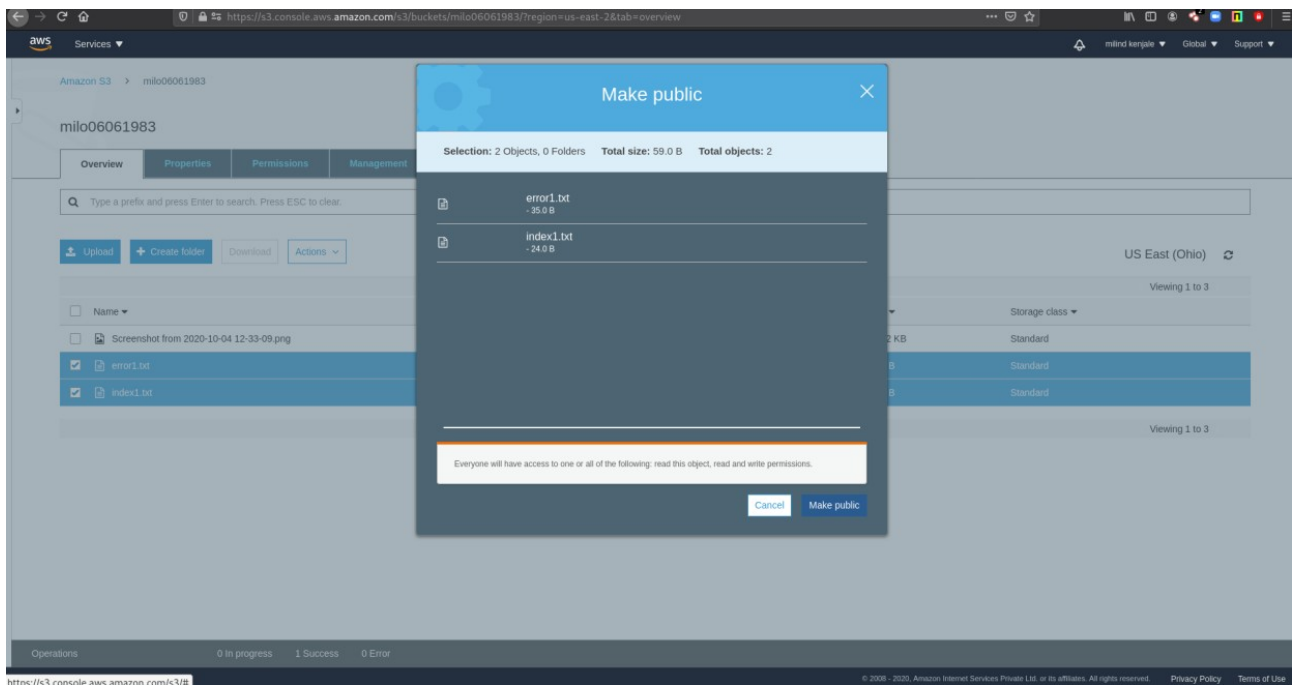
b. Created 2 text files index1.txt and error.txt

In index1.txt content entered “Welcome to my webpage!!”

In error.txt content added “Opps!!!
You are in the wrong place.”



c. Both the files to be made public



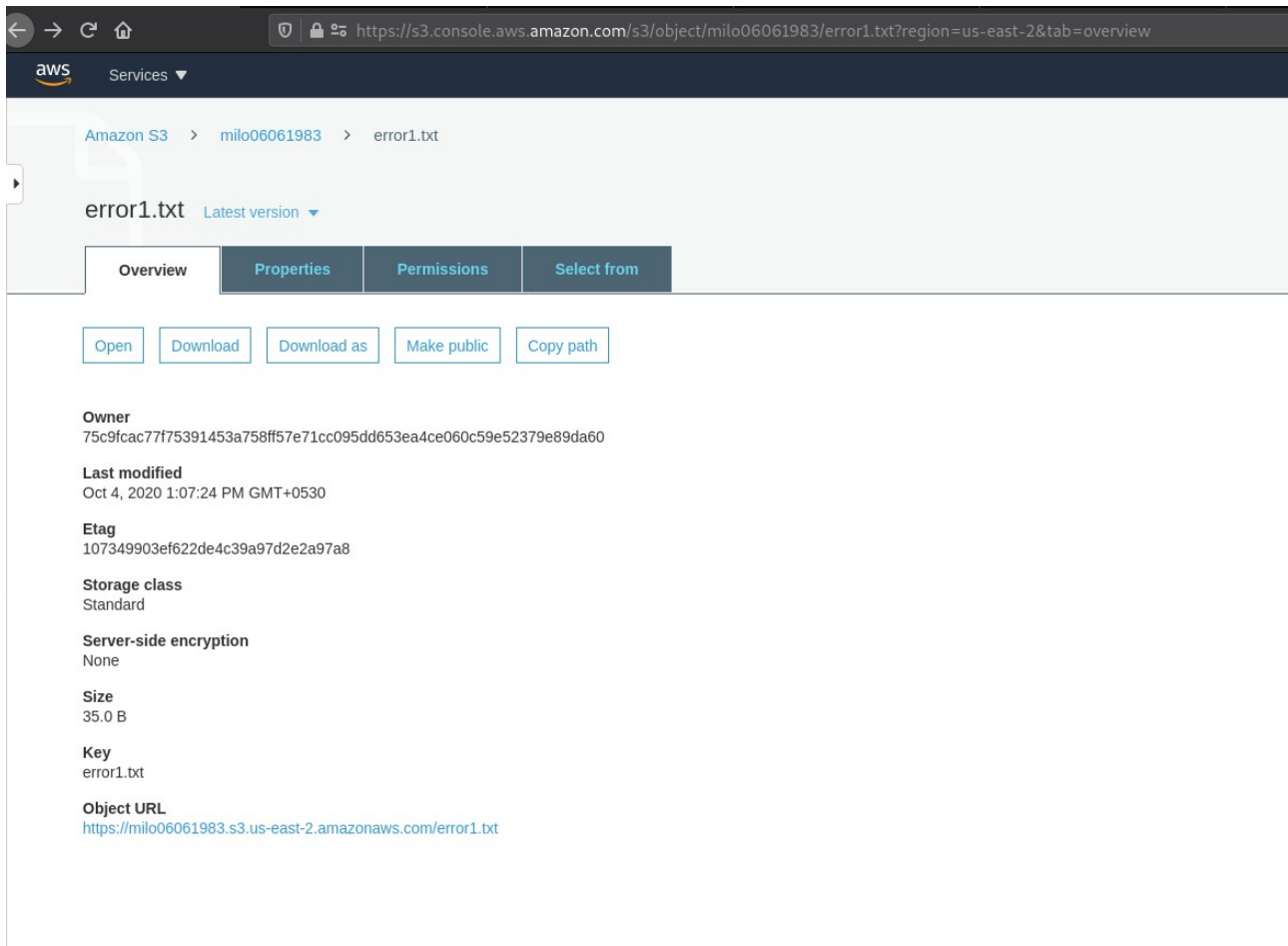
d. index1.txt overview

The screenshot shows the AWS S3 console interface. The breadcrumb navigation at the top indicates the path: Amazon S3 > milo06061983 > index1.txt. The main heading is 'index1.txt' with a 'Latest version' dropdown. Below this is a tabbed interface with 'Overview', 'Properties', 'Permissions', and 'Select from'. The 'Overview' tab is active, displaying several metadata fields: Owner (75c9fcac77f75391453a758ff57e71cc095dd653ea4ce060c59e52379e89da60), Last modified (Oct 4, 2020 1:07:24 PM GMT+0530), Etag (2f74318529bc890292fb722503f2c51d), Storage class (Standard), Server-side encryption (None), Size (24.0 B), Key (index1.txt), and Object URL (https://milo06061983.s3.us-east-2.amazonaws.com/index1.txt). Above the metadata, there are five buttons: Open, Download, Download as, Make public, and Copy path.

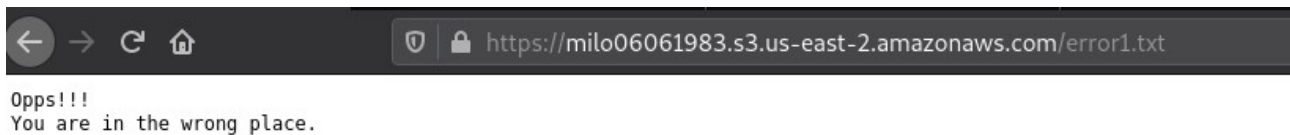
e. When you click on the object URL, we get below output

The screenshot shows a web browser window. The address bar contains the URL: https://milo06061983.s3.us-east-2.amazonaws.com/index1.txt. The page content displays the text: 'Welcome to my webpage!!!'.

e. error1.txt properties for url



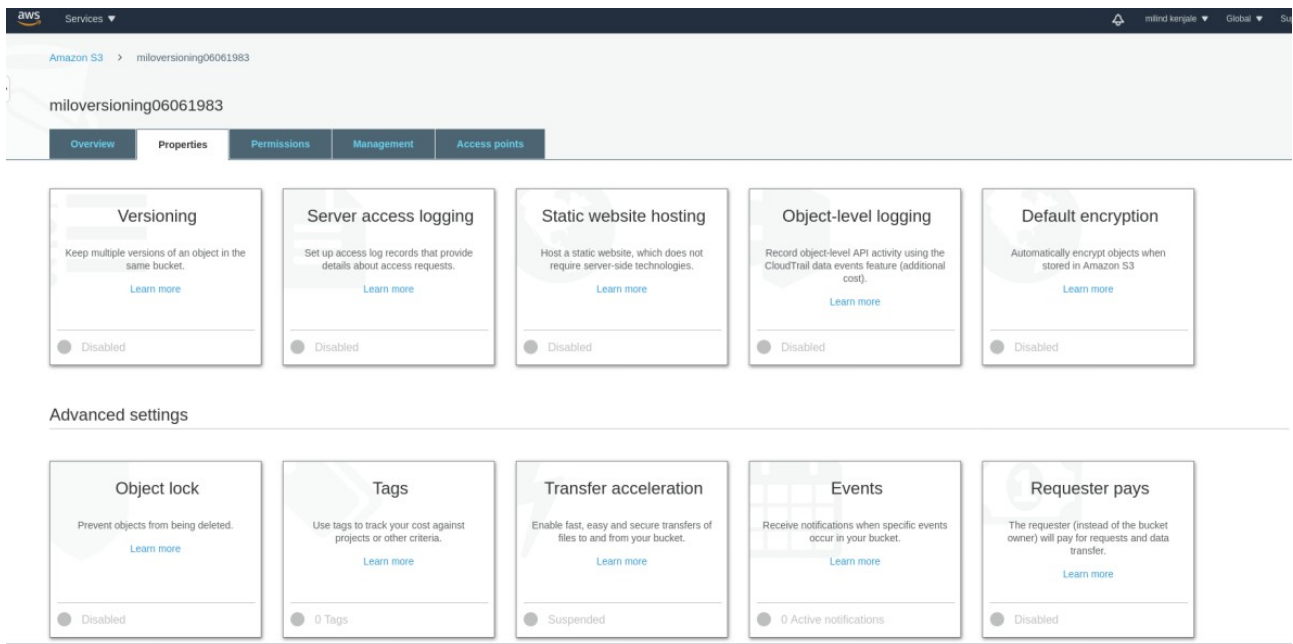
f. When you click on the object URL, we get below output



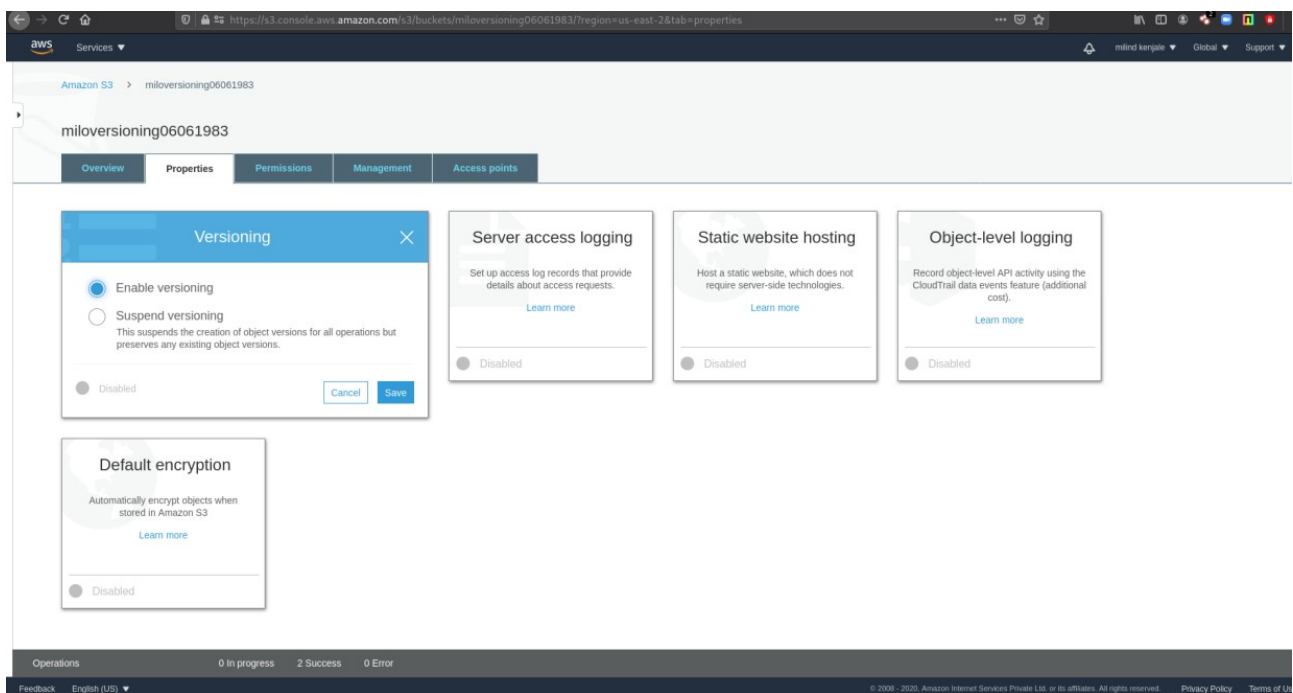
Versioning

File versioning is created so the multiple same files are kept with the all the updates. Each new version file is created after saving, updating or deleting the files.

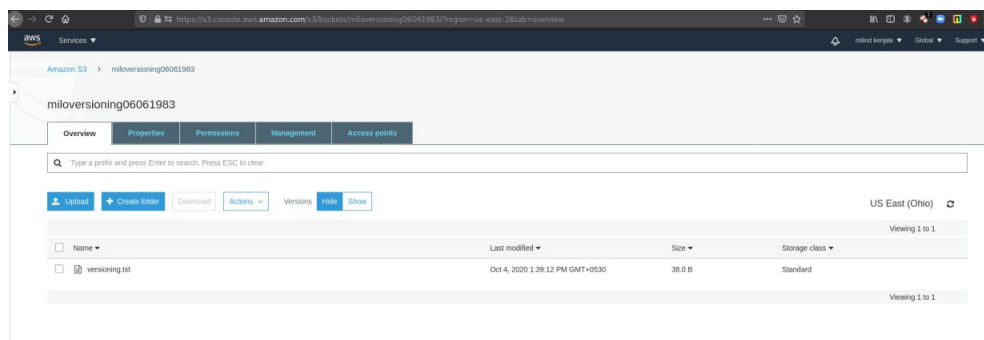
a. Go to the bucket folder and select Versioning



b. Go to properties and select enable versioning



c. New file is created versioning.txt



d. Download and appended same versioning.txt file followed by uploading in the same folder. After clicking on the show tab, we can see the different versions of the files.

