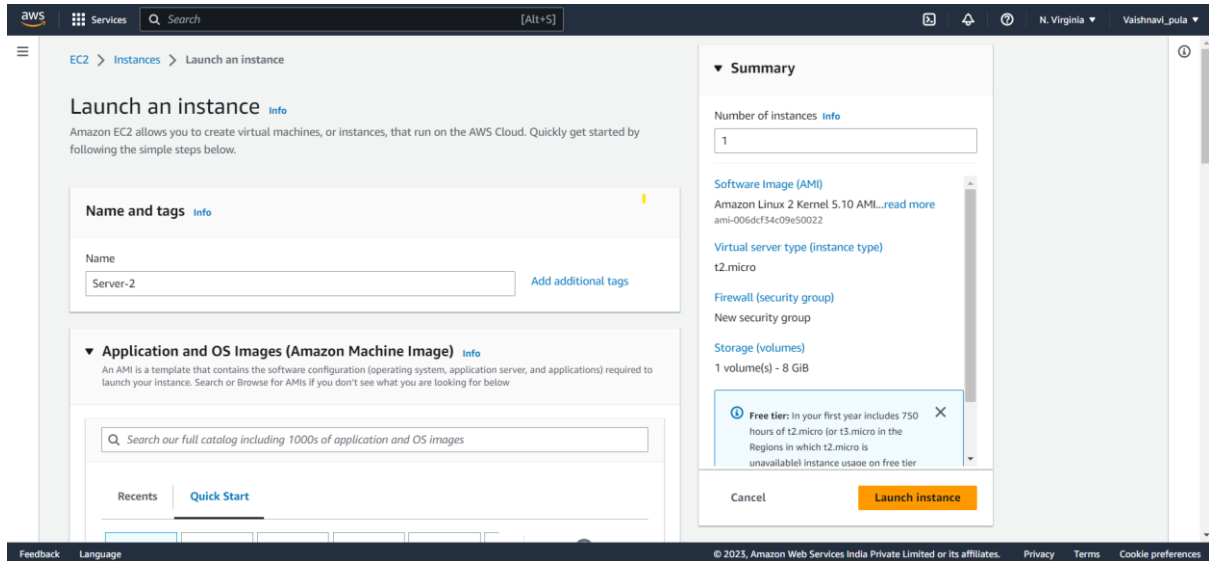


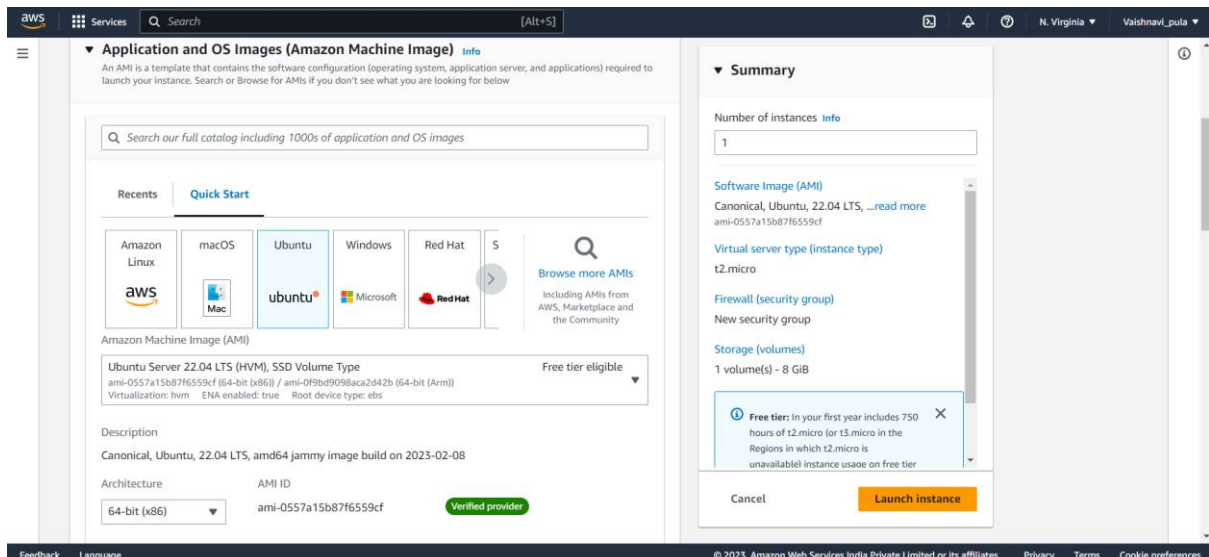
Practice Assignment on AWS

Create an ec2 instance with the ubuntu operating system, set all the required parameters such as security groups and key pair, and also do SSH with git bash to the running instance. Also, install NodeJS on top of the instance and check for the version of node to cross-check if NodeJS is installed successfully. Also, configure the instance with an elastic ip to show the static public ip address. Also, create an S3 bucket and upload an object to it and show the object URL for reference.

We have to create an EC2 instance.



Select Ubuntu AMI.



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▼ Network settings info

VPC - required info

vpc-072d21b6f9f1abc68 (default)

172.31.0.0/16

Subnet info

subnet-04aa42d2922760069 sub2-default

VPC: vpc-072d21b6f9f1abc68 Owner: 467953945382 Availability Zone: us-east-1a IP addresses available: 250 CIDR: 172.31.1.0/24

Create new subnet

Auto-assign public IP info

Enable

Firewall (security groups) info

A security group is a set of firewall rules that control the traffic for your instance. Add rules to allow specific traffic to reach your instance.

Create security group

Select existing security group

Security group name - required

launch-wizard-5

This security group will be added to all network interfaces. The name can't be edited after the security group is created. Max length is 255 characters. Valid characters: a-z, A-Z, 0-9, spaces, and _-./()#,@!+=&()|]*

Description - required info

launch-wizard-5 created 2023-03-05T04:25:12.433Z

▼ Summary

Number of instances info

1

Software Image (AMI)

Canonical, Ubuntu, 22.04 LTS, ...read more

ami-0557a15b87f6559cf

Virtual server type (instance type)

t2.micro

Firewall (security group)

New security group

Storage (volumes)

1 volume(s) - 8 GiB

Free tier: In your first year includes 750 hours of t2.micro (or t3.micro in the Regions in which t2.micro is unavailable) instance usage on free tier

Cancel

Launch instance

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▼ Security group rule 1 (TCP, 22, 0.0.0.0/0)

Type info

ssh

Protocol info

TCP

Port range info

22

Source type info

Anywhere

Source info

0.0.0.0/0

Description - optional info

e.g. SSH for admin desktop

▼ Security group rule 2 (TCP, 443, 0.0.0.0/0)

Type info

HTTPS

Protocol info

TCP

Port range info

443

Source type info

Anywhere

Source info

0.0.0.0/0

Description - optional info

e.g. SSH for admin desktop

▼ Security group rule 3 (TCP, 80, 0.0.0.0/0)

Type info

HTTP

Protocol info

TCP

Port range info

80

Source type info

Anywhere

Source info

0.0.0.0/0

Description - optional info

e.g. SSH for admin desktop

▼ Summary

Number of instances info

1

Software Image (AMI)

Canonical, Ubuntu, 22.04 LTS, ...read more

ami-0557a15b87f6559cf

Virtual server type (instance type)

t2.micro

Firewall (security group)

New security group

Storage (volumes)

1 volume(s) - 8 GiB

Free tier: In your first year includes 750 hours of t2.micro (or t3.micro in the Regions in which t2.micro is unavailable) instance usage on free tier

Cancel

Launch instance

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security group rules to allow access from known IP addresses only.

Add security group rule

► Advanced network configuration

▼ Configure storage info

Advanced

1x 8 GiB gp2 Root volume (Not encrypted)

Free tier eligible customers can get up to 30 GB of EBS General Purpose (SSD) or Magnetic storage

Add new volume

The selected AMI contains more instance store volumes than the instance allows. Only the first 0 instance store volumes from the AMI will be accessible from the instance

0x File systems Edit

► Advanced details info

▼ Summary

Number of instances info

1

Software Image (AMI)

Canonical, Ubuntu, 22.04 LTS, ...read more

ami-0557a15b87f6559cf

Virtual server type (instance type)

t2.micro

Firewall (security group)

New security group

Storage (volumes)

1 volume(s) - 8 GiB

Free tier: In your first year includes 750 hours of t2.micro (or t3.micro in the Regions in which t2.micro is unavailable) instance usage on free tier

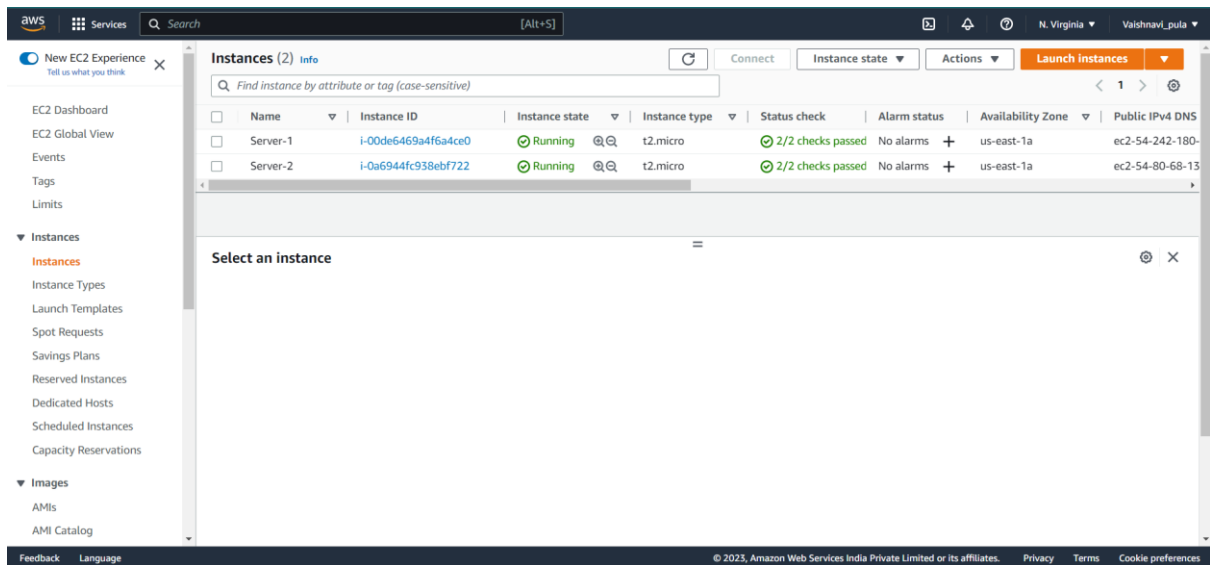
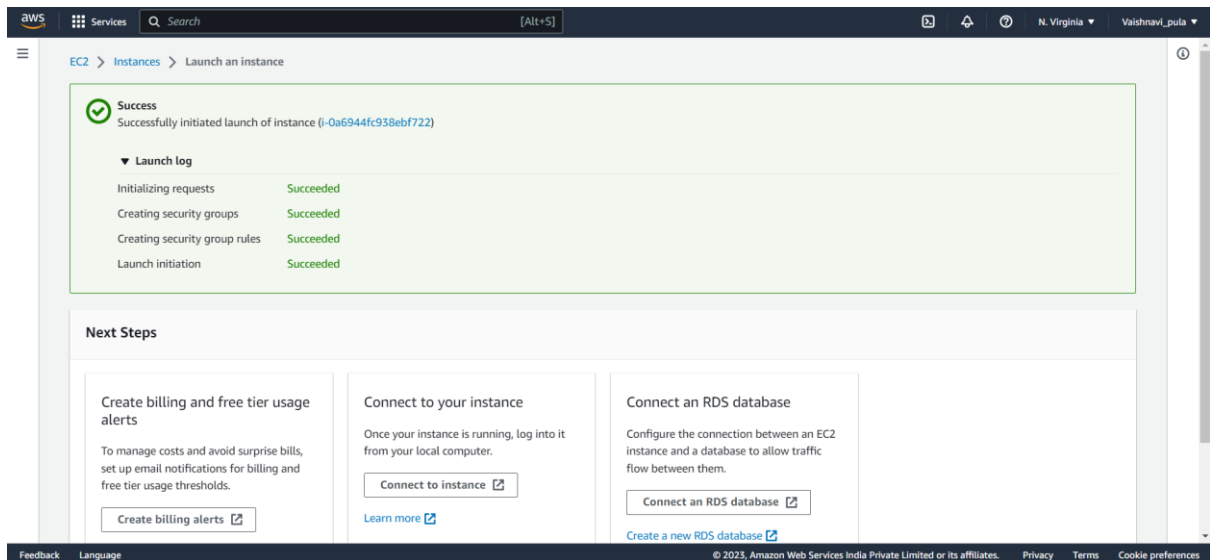
Cancel

Launch instance

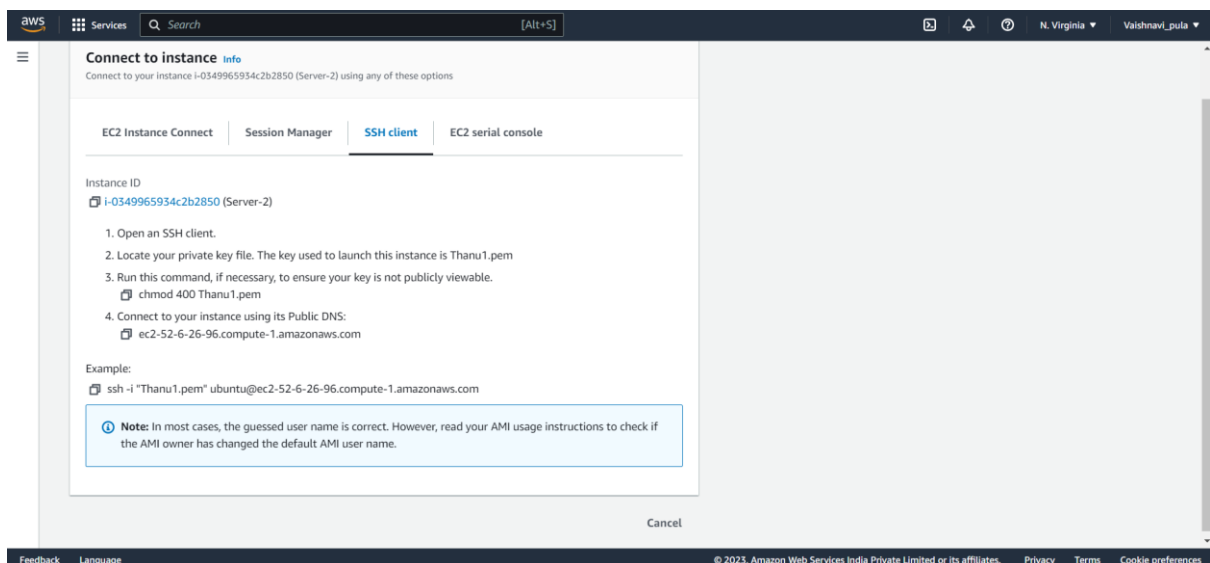
Feedback

Language

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We need to SSH the running instance to the git bash using following command in git bash.



```

vaishnavi@LAPTOP-I2GMAH40 MINGW64 ~/documents/A_Herowired/Activities/Assignment-3 (master)
$ ssh -i "Thanu1.pem" ubuntu@ec2-52-6-26-96.compute-1.amazonaws.com
The authenticity of host 'ec2-52-6-26-96.compute-1.amazonaws.com (52.6.26.96)' can't be established.
ED25519 key fingerprint is SHA256:tOm3wEzdhFCuO7raqvi2wdGBDRh49zd462q2suFdQ.
This key is not known by any other names
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently added 'ec2-52-6-26-96.compute-1.amazonaws.com' (ED25519) to the list of known hosts.
Welcome to Ubuntu 22.04.1 LTS (GNU/Linux 5.15.0-1028-aws x86_64)

 * Documentation:  https://help.ubuntu.com
 * Management:    https://landscape.canonical.com
 * Support:       https://ubuntu.com/advantage

System information as of Sun Mar  5 04:57:19 UTC 2023

System load:  0.009765625      Processes:           100
Usage of /:   19.8% of 7.57GB   Users logged in:     0
Memory usage: 19%              IPv4 address for eth0: 172.31.1.240
Swap usage:   0%

Expanded Security Maintenance for Applications is not enabled.

0 updates can be applied immediately.

Enable ESM Apps to receive additional future security updates.
See https://ubuntu.com/esm or run: sudo pro status

The list of available updates is more than a week old.
To check for new updates run: sudo apt update

The programs included with the Ubuntu system are free software;
the exact distribution terms for each program are described in the
individual files in /usr/share/doc/*/copyright.

Ubuntu comes with ABSOLUTELY NO WARRANTY, to the extent permitted by
applicable law.

To run a command as administrator (user "root"), use "sudo <command>".
See "man sudo_root" for details.

ubuntu@ip-172-31-1-240:~$

```

Now to install NodeJS, we need to update first. Use “sudo apt update”.

```

ubuntu@ip-172-31-1-240:~$ sudo apt update
Hit:1 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy InRelease
Get:2 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-updates InRelease [119 kB]
Get:3 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-backports InRelease [107 kB]
Get:4 http://security.ubuntu.com/ubuntu jammy-security InRelease [110 kB]
Get:5 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy/universe amd64 Packages [14.1 MB]
Get:6 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy/universe Translation-en [5652 kB]
Get:7 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy/universe amd64 c-n-f Metadata [286 kB]
Get:8 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy/multiverse amd64 Packages [217 kB]
Get:9 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy/multiverse Translation-en [112 kB]
Get:10 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy/multiverse amd64 c-n-f Metadata [8372 B]
Get:11 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/main amd64 Packages [939 kB]
Get:12 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/main Translation-en [203 kB]
Get:13 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/main amd64 c-n-f Metadata [13.6 kB]
Get:14 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/restricted amd64 Packages [679 kB]
Get:15 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/restricted Translation-en [106 kB]
Get:16 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/restricted amd64 c-n-f Metadata [584 B]
Get:17 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/universe amd64 Packages [877 kB]
Get:18 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/universe Translation-en [172 kB]
Get:19 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/universe amd64 c-n-f Metadata [17.9 kB]
Get:20 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/multiverse amd64 Packages [9652 B]
Get:21 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/multiverse Translation-en [3260 B]
Get:22 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/multiverse amd64 c-n-f Metadata [444 B]
Get:23 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-backports/main amd64 Packages [40.7 kB]
Get:24 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-backports/main Translation-en [9800 B]
Get:25 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-backports/main amd64 c-n-f Metadata [392 B]
Get:26 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-backports/restricted amd64 c-n-f Metadata [116 B]
Get:27 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-backports/universe amd64 Packages [19.5 kB]
Get:28 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-backports/universe Translation-en [14.0 kB]
Get:29 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-backports/universe amd64 c-n-f Metadata [392 B]
Get:30 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-backports/multiverse amd64 c-n-f Metadata [116 B]
Get:31 http://security.ubuntu.com/ubuntu jammy-security/main amd64 Packages [680 kB]
Get:32 http://security.ubuntu.com/ubuntu jammy-security/main Translation-en [139 kB]
Get:33 http://security.ubuntu.com/ubuntu jammy-security/main amd64 c-n-f Metadata [8528 B]
Get:34 http://security.ubuntu.com/ubuntu jammy-security/restricted amd64 Packages [637 kB]
Get:35 http://security.ubuntu.com/ubuntu jammy-security/restricted Translation-en [99.7 kB]
Get:36 http://security.ubuntu.com/ubuntu jammy-security/universe amd64 Packages [696 kB]
Get:37 http://security.ubuntu.com/ubuntu jammy-security/universe Translation-en [111 kB]
Get:38 http://security.ubuntu.com/ubuntu jammy-security/universe amd64 c-n-f Metadata [13.5 kB]
Get:39 http://security.ubuntu.com/ubuntu jammy-security/multiverse amd64 Packages [4960 B]
Get:40 http://security.ubuntu.com/ubuntu jammy-security/multiverse Translation-en [996 B]
Get:41 http://security.ubuntu.com/ubuntu jammy-security/multiverse amd64 c-n-f Metadata [240 B]
Fetched 26.2 MB in 5s (5699 kB/s)
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
38 packages can be upgraded. Run 'apt list --upgradable' to see them.
ubuntu@ip-172-31-1-240:~$

```

Now ,run “sudo apt install nodejs”.

```
ubuntu@ip-172-31-1-240:~$ sudo apt install nodejs
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following additional packages will be installed:
  javascript-common libc-ares2 libjs-highlight.js libnode72 nodejs-doc
Suggested packages:
  apache2 | lighttpd | httpd npm
The following NEW packages will be installed:
  javascript-common libc-ares2 libjs-highlight.js libnode72 nodejs nodejs-doc
0 upgraded, 6 newly installed, 0 to remove and 38 not upgraded.
Need to get 13.7 MB of archives.
After this operation, 53.9 MB of additional disk space will be used.
Do you want to continue? [Y/n] y
Get:1 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy/main amd64 javascript-common all 11+nmul [5936 B]
Get:2 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy/universe amd64 libjs-highlight.js all 9.18.5+dfsg1-1 [367 kB]
Get:3 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/main amd64 libc-ares2 amd64 1.18.1-1ubuntu0.22.04.1 [45.1 kB]
Get:4 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy/universe amd64 libnode72 amd64 12.22.9~dfsg-1ubuntu3 [10.8 MB]
Get:5 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy/universe amd64 nodejs-doc all 12.22.9~dfsg-1ubuntu3 [2409 kB]
Get:6 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy/universe amd64 nodejs amd64 12.22.9~dfsg-1ubuntu3 [122 kB]
Fetched 13.7 MB in 0s (42.4 MB/s)
Selecting previously unselected package javascript-common.
(Reading database ... 63605 files and directories currently installed.)
Preparing to unpack .../0-javascript-common_11+nmul_all.deb ...
Unpacking javascript-common (11+nmul) ...
Selecting previously unselected package libjs-highlight.js.
Preparing to unpack .../1-libjs-highlight.js_9.18.5+dfsg1-1_all.deb ...
Unpacking libjs-highlight.js (9.18.5+dfsg1-1) ...
Selecting previously unselected package libc-ares2:amd64.
Preparing to unpack .../2-libc-ares2_1.18.1-1ubuntu0.22.04.1_amd64.deb ...
Unpacking libc-ares2:amd64 (1.18.1-1ubuntu0.22.04.1) ...
Selecting previously unselected package libnode72:amd64.
Preparing to unpack .../3-libnode72_12.22.9~dfsg-1ubuntu3_amd64.deb ...
Unpacking libnode72:amd64 (12.22.9~dfsg-1ubuntu3) ...
Selecting previously unselected package nodejs-doc.
Preparing to unpack .../4-nodejs-doc_12.22.9~dfsg-1ubuntu3_all.deb ...
Unpacking nodejs-doc (12.22.9~dfsg-1ubuntu3) ...
Selecting previously unselected package nodejs.
Preparing to unpack .../5-nodejs_12.22.9~dfsg-1ubuntu3_amd64.deb ...
Unpacking nodejs (12.22.9~dfsg-1ubuntu3) ...
Setting up javascript-common (11+nmul) ...
Setting up libc-ares2:amd64 (1.18.1-1ubuntu0.22.04.1) ...
Setting up libnode72:amd64 (12.22.9~dfsg-1ubuntu3) ...
Setting up libjs-highlight.js (9.18.5+dfsg1-1) ...
Setting up nodejs (12.22.9~dfsg-1ubuntu3) ...
update-alternatives: using /usr/bin/nodejs to provide /usr/bin/js (js) in auto mode
Setting up nodejs-doc (12.22.9~dfsg-1ubuntu3) ...
Processing triggers for man-db (2.10.2-1) ...
Processing triggers for libc-bin (2.35-0ubuntu3.1) ...
Scanning processes...
Scanning linux images...

Running kernel seems to be up-to-date.

No services need to be restarted.

No containers need to be restarted.

No user sessions are running outdated binaries.

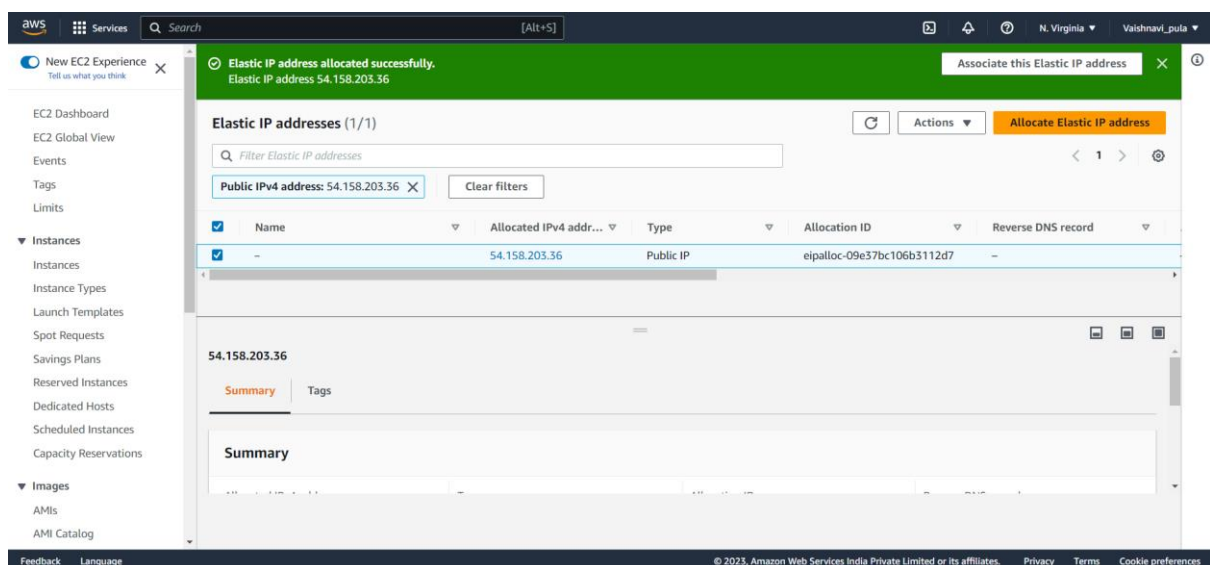
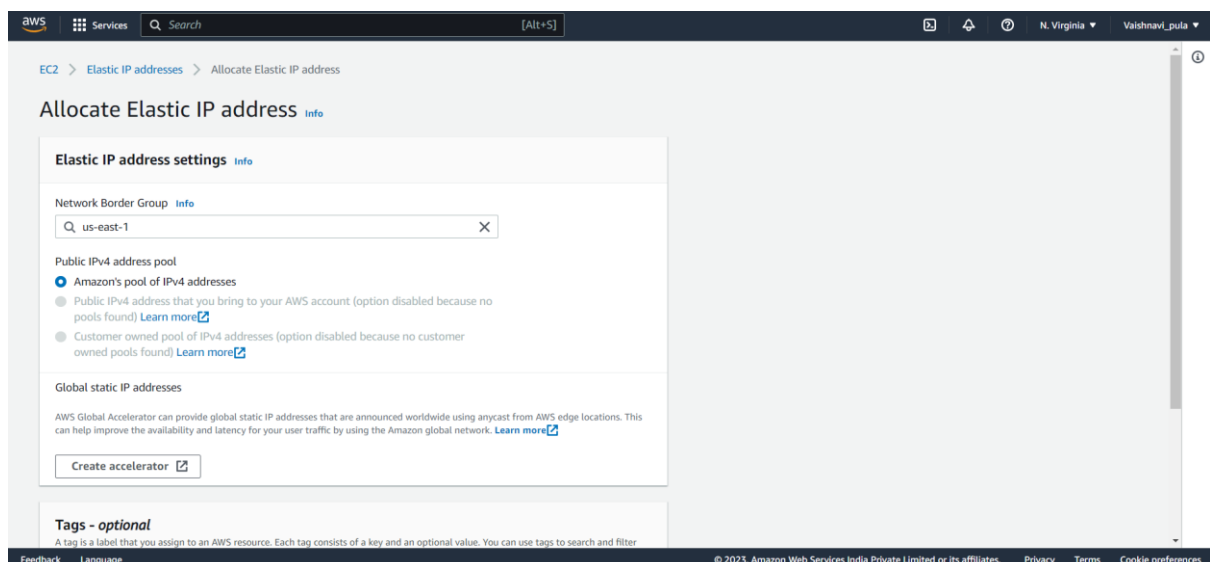
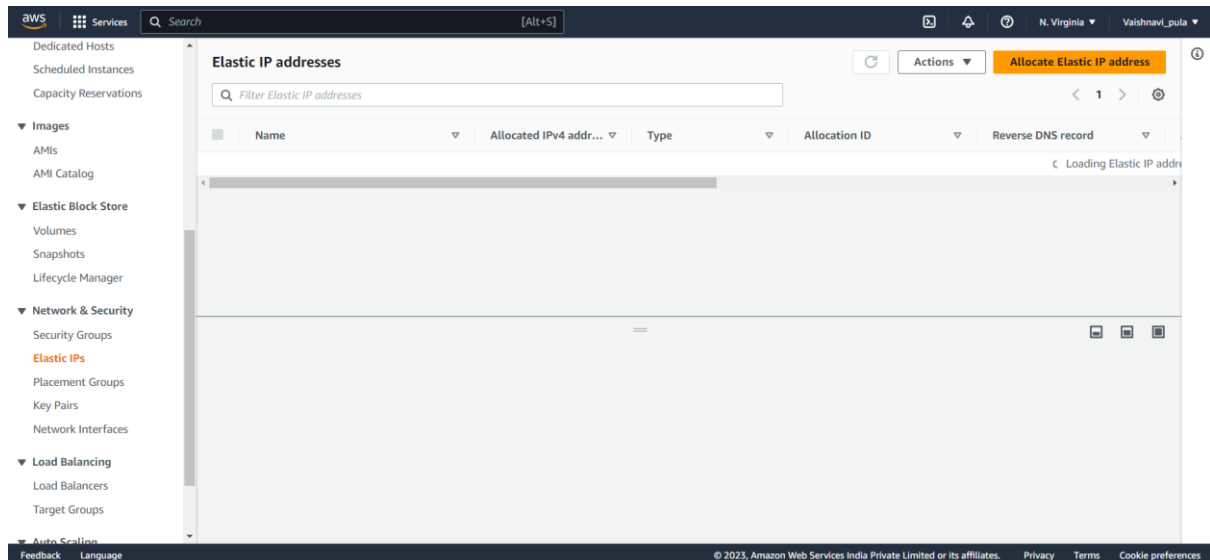
No VM guests are running outdated hypervisor (qemu) binaries on this host.
ubuntu@ip-172-31-1-240:~$
```

To cross-check whether NodeJS is installed or not ,use “node -v” ,which shows the version of NodeJS.

```
ubuntu@ip-172-31-1-240:~$ node -v
v12.22.9
ubuntu@ip-172-31-1-240:~$
```

Configuring instance with Elastic ip :

First allocate Elastic IP Address.



Now we need to Associate the Elastic IP Address to the instance.

The screenshot shows the 'Associate Elastic IP address' dialog box in the AWS console. The 'Elastic IP address' is 54.158.203.36. Under 'Resource type', 'Instance' is selected. A warning message states: 'If you associate an Elastic IP address with an instance that already has an Elastic IP address associated, the previously associated Elastic IP address will be disassociated, but the address will still be allocated to your account. Learn more'. Below this, the 'Instance' field contains 'i-0349965934c2b2850' and the 'Private IP address' field contains '172.31.1.240'. The 'Reassociation' section has a checkbox 'Allow this Elastic IP address to be reassociated' which is currently unchecked. At the bottom, there are 'Cancel' and 'Associate' buttons.

The screenshot shows the 'Elastic IP addresses' page in the AWS console. A green banner at the top states 'Elastic IP address associated successfully. Elastic IP address 54.158.203.36 has been associated with instance i-0349965934c2b2850'. Below this, a table lists the Elastic IP addresses. The table has columns: Name, Allocated IPv4 address, Type, Allocation ID, and Reverse DNS record. One entry is shown: Public IPv4 address: 54.158.203.36, Type: Public IP, Allocation ID: eipalloc-09e37bc106b3112d7, Reverse DNS record: -. Below the table is a 'Summary' section with a table showing details: Allocated IPv4 address (54.158.203.36), Type (Public IP), Allocation ID (eipalloc-09e37bc106b3112d7), Reverse DNS record (-), Association ID, Scope, Associated instance ID, and Private IP address.

Name	Allocated IPv4 address	Type	Allocation ID	Reverse DNS record
Public IPv4 address: 54.158.203.36	54.158.203.36	Public IP	eipalloc-09e37bc106b3112d7	-

Allocated IPv4 address	Type	Allocation ID	Reverse DNS record
54.158.203.36	Public IP	eipalloc-09e37bc106b3112d7	-

Check whether the Elastic IP Address is associated or not.

The screenshot shows the 'Instances' page in the AWS console. A table lists the instances. The table has columns: Name, Instance ID, Instance state, Instance type, Status check, Alarm status, Availability Zone, and Public IPv4 DNS. Three instances are shown: Server-2 (i-0349965934c2b2850, Running, t2.micro, 2/2 checks passed, No alarms, us-east-1a, ec2-54-158-203-36), Server-1 (i-00de6469a4f6a4ce0, Running, t2.micro, 2/2 checks passed, No alarms, us-east-1a, ec2-54-242-180), and Server (i-0a6944fc938ebf722, Running, t2.micro, 2/2 checks passed, No alarms, us-east-1a, ec2-54-80-68-13). Below the table, the details for 'Instance: i-0349965934c2b2850 (Server-2)' are shown. The details include: IP address (54.158.203.36), Instance state (Running), Private IP address (172.31.1.240), Hostname type (IP name: ip-172-31-1-240.ec2.internal), Answer private resource DNS name (IPv4 (A)), Auto-assigned IP address, Instance type (t2.micro), VPC ID (vpc-072d21b6f9f1abc68), and Elastic IP addresses (54.158.203.36 [Public IP]).

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 DNS
Server-2	i-0349965934c2b2850	Running	t2.micro	2/2 checks passed	No alarms	us-east-1a	ec2-54-158-203-36
Server-1	i-00de6469a4f6a4ce0	Running	t2.micro	2/2 checks passed	No alarms	us-east-1a	ec2-54-242-180
Server	i-0a6944fc938ebf722	Running	t2.micro	2/2 checks passed	No alarms	us-east-1a	ec2-54-80-68-13

IP address	Instance state	Private IP address	Hostname type	Answer private resource DNS name	Auto-assigned IP address	Instance type	VPC ID	Elastic IP addresses
54.158.203.36	Running	172.31.1.240	IP name: ip-172-31-1-240.ec2.internal	IPV4 (A)		t2.micro	vpc-072d21b6f9f1abc68	54.158.203.36 [Public IP]

Configuring the instance with an elastic ip to show the static public ip address.

The screenshot shows the AWS Management Console interface for connecting to an EC2 instance. The breadcrumb navigation indicates the path: EC2 > Instances > i-0349965934c2b2850 > Connect to instance. The main content area is titled 'Connect to instance' with an 'Info' link. Below the title, it says 'Connect to your instance i-0349965934c2b2850 (Server-2) using any of these options'. There are four tabs: 'EC2 Instance Connect', 'Session Manager', 'SSH client' (which is selected), and 'EC2 serial console'. Under the 'SSH client' tab, the 'Instance ID' is listed as 'i-0349965934c2b2850 (Server-2)'. A list of steps is provided: 1. Open an SSH client. 2. Locate your private key file. The key used to launch this instance is Thanu1.pem. 3. Run this command, if necessary, to ensure your key is not publicly viewable. A code block shows 'chmod 400 Thanu1.pem'. 4. Connect to your instance using its Public DNS: A code block shows 'ec2-54-158-203-36.compute-1.amazonaws.com'. A green 'Command copied' notification bubble is shown next to the command. Below the steps, the command 'ssh -i "Thanu1.pem" ubuntu@ec2-54-158-203-36.compute-1.amazonaws.com' is displayed. A note states: 'Note: In most cases, the guessed user name is correct. However, read your AMI usage instructions to check if the AMI owner has changed the default AMI user name.'

```
vaishnavi@LAPTOP-12GMAH4Q MINGW64 ~/documents/A_Herowired/Activities/Assignment-3 (master)
$ ssh -i "Thanu1.pem" ubuntu@ec2-54-158-203-36.compute-1.amazonaws.com
The authenticity of host 'ec2-54-158-203-36.compute-1.amazonaws.com (54.158.203.36)' can't be established.
ED25519 key fingerprint is SHA256:t0m3WEZdHFCoU07raqviZwdGBDRh49zD462q2suFdQ.
This host key is known by the following other names/addresses:
  ~/.ssh/known_hosts:14: ec2-52-6-26-96.compute-1.amazonaws.com
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently added 'ec2-54-158-203-36.compute-1.amazonaws.com' (ED25519) to the list of known hosts.
Welcome to Ubuntu 22.04.1 LTS (GNU/Linux 5.15.0-1028-aws x86_64)

 * Documentation:  https://help.ubuntu.com
 * Management:    https://landscape.canonical.com
 * Support:       https://ubuntu.com/advantage

System information as of Sun Mar  5 05:11:49 UTC 2023

System load:  0.0               Processes:    100
Usage of /:   23.1% of 7.57GB   Users logged in: 1
Memory usage: 23%              IPv4 address for eth0: 172.31.1.240
Swap usage:  0%

Expanded Security Maintenance for Applications is not enabled.

37 updates can be applied immediately.
18 of these updates are standard security updates.
To see these additional updates run: apt list --upgradable

Enable ESM Apps to receive additional future security updates.
See https://ubuntu.com/esm or run: sudo pro status

Last login: Sun Mar  5 04:57:20 2023 from 157.48.215.36
ubuntu@ip-172-31-1-240:~$
```


S3 Bucket:

Creating S3 Bucket.

The screenshot shows the Amazon S3 console landing page. On the left is a navigation sidebar with links to Buckets, Access Points, Object Lambda Access Points, Multi-Region Access Points, Batch Operations, IAM Access Analyzer for S3, Block Public Access settings, Storage Lens, Dashboards, AWS Organizations settings, Feature spotlight, and AWS Marketplace for S3. The main content area has a header 'Storage' and 'Amazon S3' with the tagline 'Store and retrieve any amount of data from anywhere'. Below this is a 'How it works' section with a placeholder image. On the right, there are two informational boxes: 'Create a bucket' explaining that objects are stored in buckets and providing a 'Create bucket' button, and 'Pricing' explaining that there are no minimum fees and providing a 'Monthly Calculator' link and 'View pricing details' link. The footer contains 'Feedback', 'Language', copyright information, and links to 'Privacy', 'Terms', and 'Cookie preferences'.

The screenshot shows the 'Create bucket' wizard in the Amazon S3 console. The breadcrumb trail is 'Amazon S3 > Buckets > Create bucket'. The page title is 'Create bucket' with an 'Info' link. Below the title is a brief description: 'Buckets are containers for data stored in S3. [Learn more](#)'. The wizard is divided into two main sections: 'General configuration' and 'Object Ownership'. In the 'General configuration' section, the 'Bucket name' field contains 'v-s3-1' with a note that the name must be globally unique. The 'AWS Region' dropdown is set to 'US East (N. Virginia) us-east-1'. There is a 'Choose bucket' button. The 'Object Ownership' section has a description and two radio button options: 'ACLs disabled (recommended)' (which is selected) and 'ACLs enabled'. The footer is identical to the first screenshot.

Block public access (bucket settings)

Public access is granted to buckets and objects through access control lists (ACLs), bucket policies, access point policies, or all. In order to ensure that public access to all your S3 buckets and objects is blocked, turn on Block all public access. These settings apply only to this bucket and its access points. AWS recommends that you turn on Block all public access, but before applying any of these settings, ensure that your applications will work correctly without public access. If you require some level of public access to your buckets or objects within, you can customize the individual settings below to suit your specific storage use cases. [Learn more](#)

- ☐ **Block all public access**
Turning this setting on is the same as turning on all four settings below. Each of the following settings are independent of one another.
- ☐ **Block public access to buckets and objects granted through new access control lists (ACLs)**
S3 will block public access permissions applied to newly added buckets or objects, and prevent the creation of new public access ACLs for existing buckets and objects. This setting doesn't change any existing permissions that allow public access to S3 resources using ACLs.
 - ☐ **Block public access to buckets and objects granted through any access control lists (ACLs)**
S3 will ignore all ACLs that grant public access to buckets and objects.
 - ☐ **Block public access to buckets and objects granted through new public bucket or access point policies**
S3 will block new bucket and access point policies that grant public access to buckets and objects. This setting doesn't change any existing policies that allow public access to S3 resources.
 - ☐ **Block public and cross-account access to buckets and objects through any public bucket or access point policies**
S3 will ignore public and cross-account access for buckets or access points with policies that grant public access to buckets and objects.

aws

Services

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Global

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No tags associated with this bucket.

Add tag

Default encryption

Info

Server-side encryption is automatically applied to new objects stored in this bucket.

Encryption key type

Info

☒ Amazon S3 managed keys (SSE-S3)

☐ AWS Key Management Service key (SSE-KMS)

Bucket Key

When KMS encryption is used to encrypt new objects in this bucket, the bucket key reduces encryption costs by lowering calls to AWS KMS.

Learn more

☐ Disable

☒ Enable

Advanced settings

After creating the bucket you can upload files and folders to the bucket, and configure additional bucket settings.

Cancel

Create bucket

Feedback

Language

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Bucket created Successfully.

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Amazon S3

Buckets

Access Points

Object Lambda Access Points

Multi-Region Access Points

Batch Operations

IAM Access Analyzer for S3

Block Public Access settings for this account

Storage Lens

Dashboards

AWS Organizations settings

Feature spotlight

AWS Marketplace for S3

Successfully created bucket "v-s3-1"

To upload files and folders, or to configure additional bucket settings choose View details.

View details

Amazon S3 > Buckets

Account snapshot

Storage lens provides visibility into storage usage and activity trends. Learn more

View Storage Lens dashboard

Buckets (2)

Info

Buckets are containers for data stored in S3. Learn more

Find buckets by name

Copy ARN

Empty

Delete

Create bucket

	Name	AWS Region	Access	Creation date
<input type="radio"/>	v-s3-1	US East (N. Virginia) us-east-1	Bucket and objects not public	March 5, 2023, 10:49:30 (UTC+05:30)
<input type="radio"/>	vaishu-1	US East (N. Virginia) us-east-1	Bucket and objects not public	February 22, 2023, 11:41:10 (UTC+05:30)

Feedback

Language

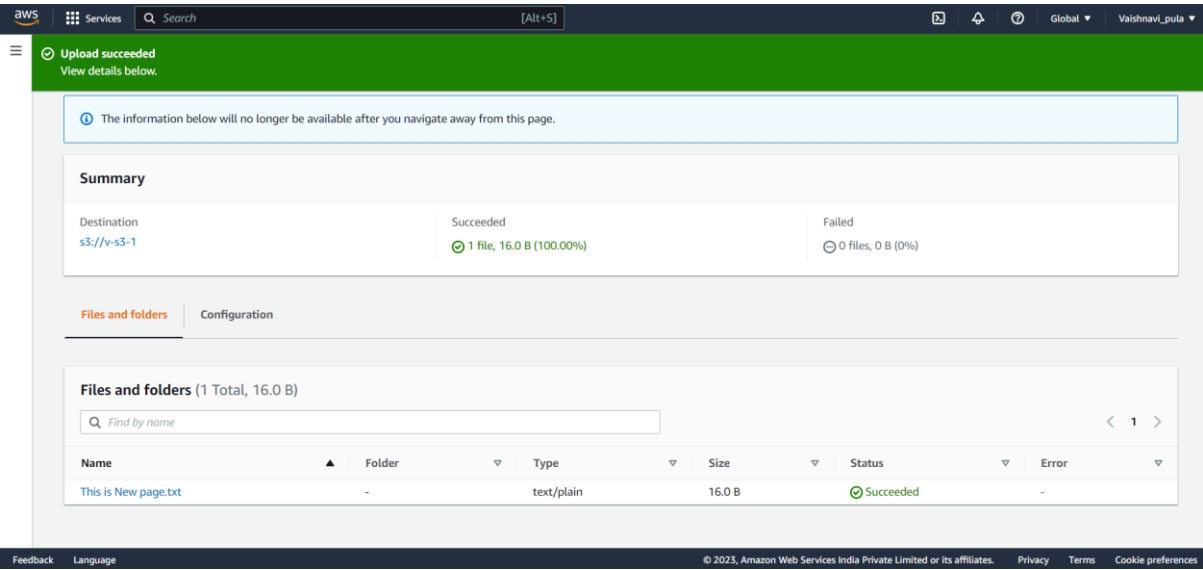
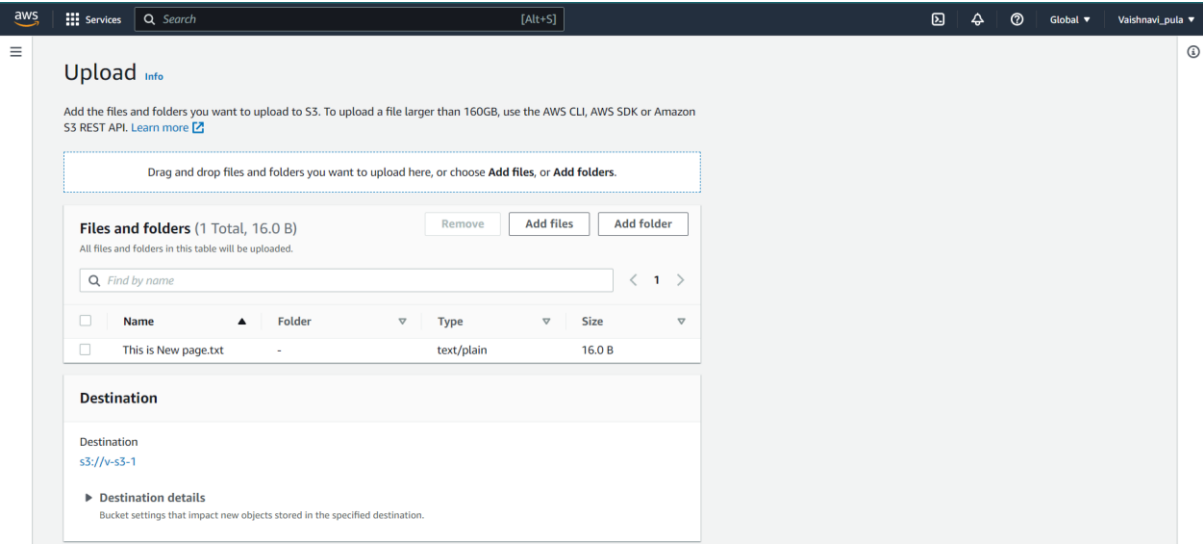
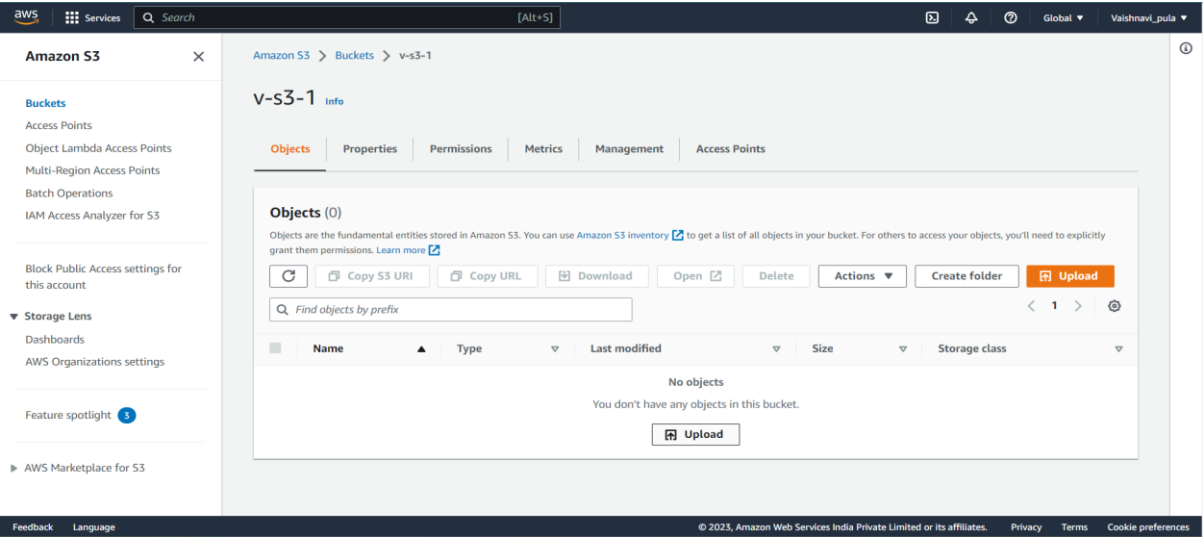
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Privacy

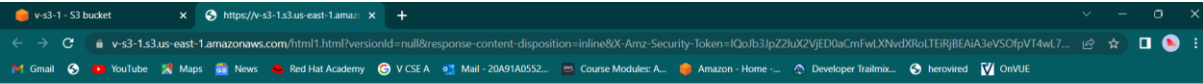
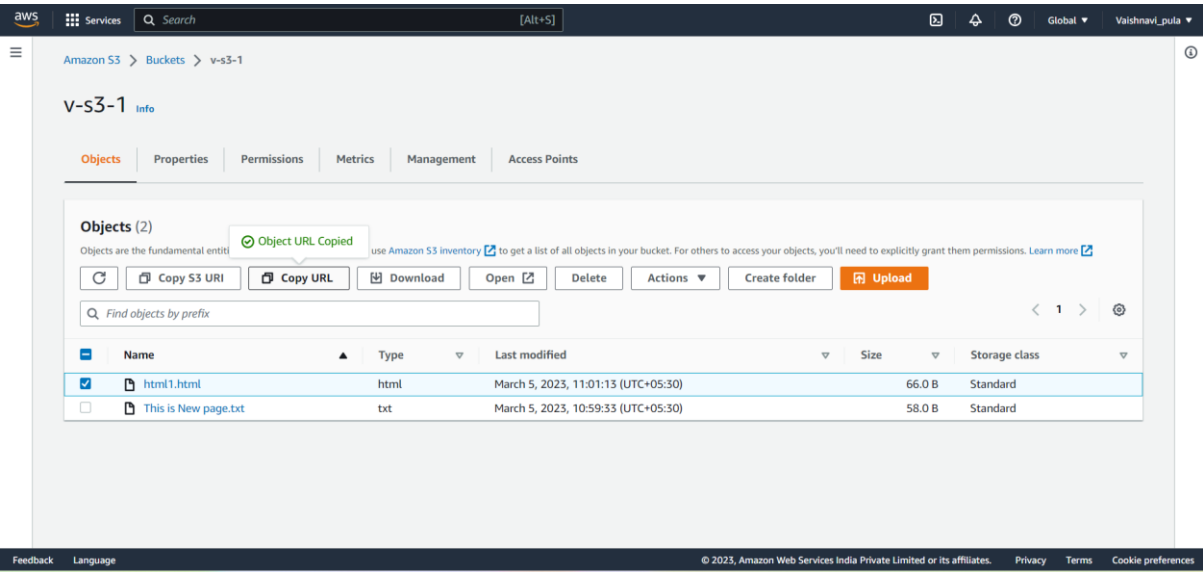
Terms

Cookie preferences

Uploading an Object.



Object URL for reference.



Vaishu