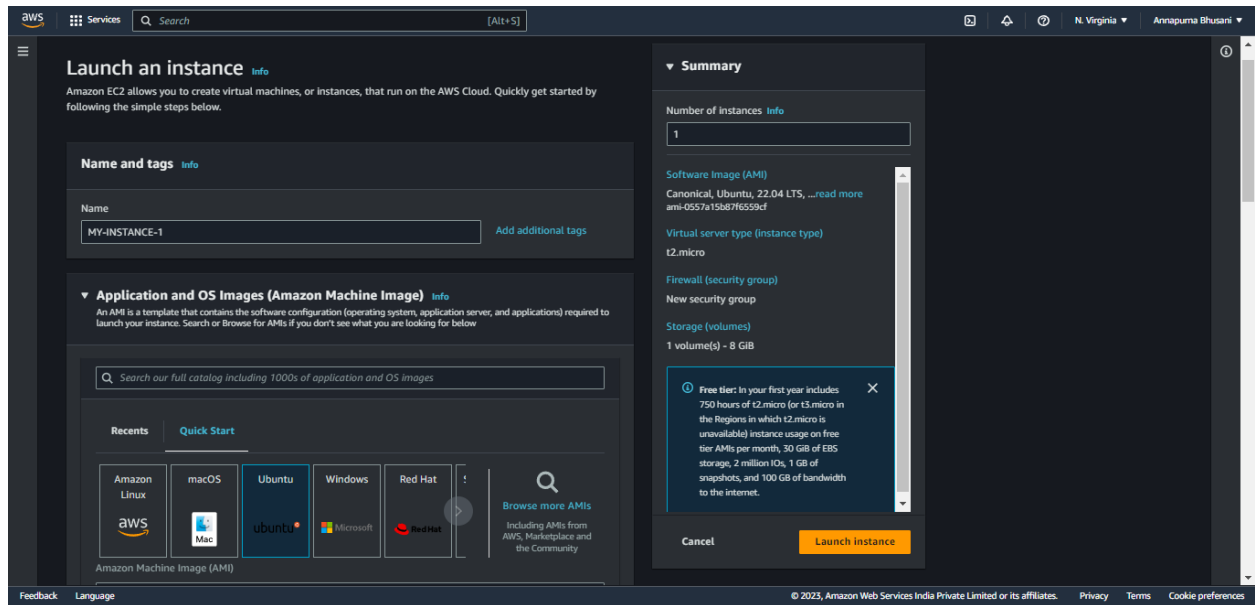
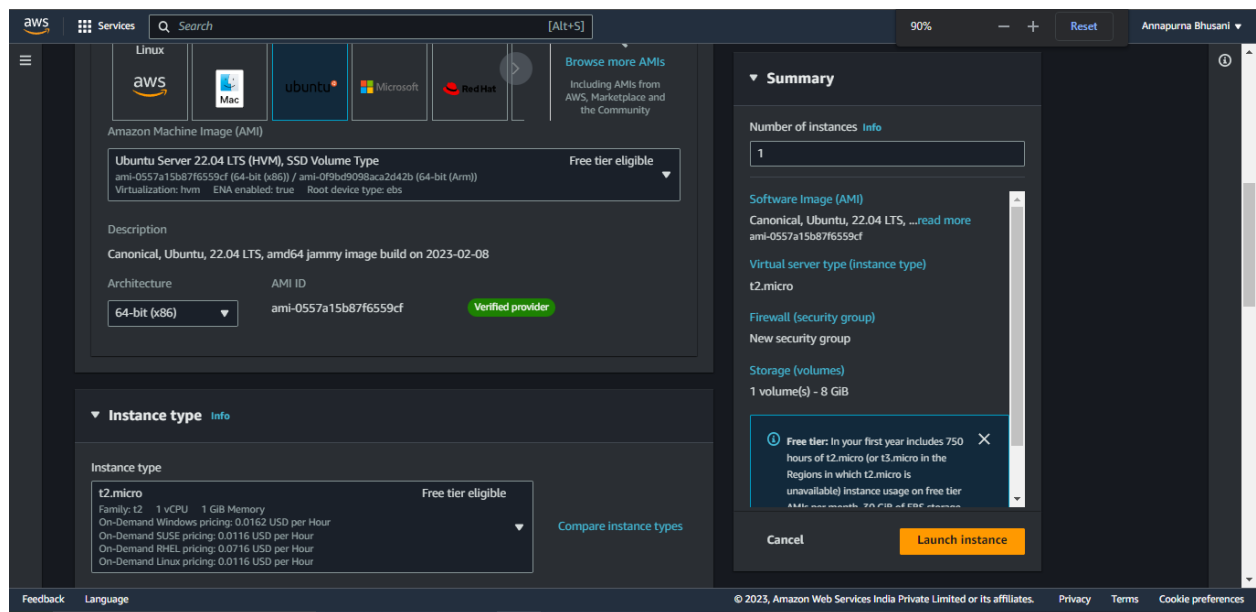


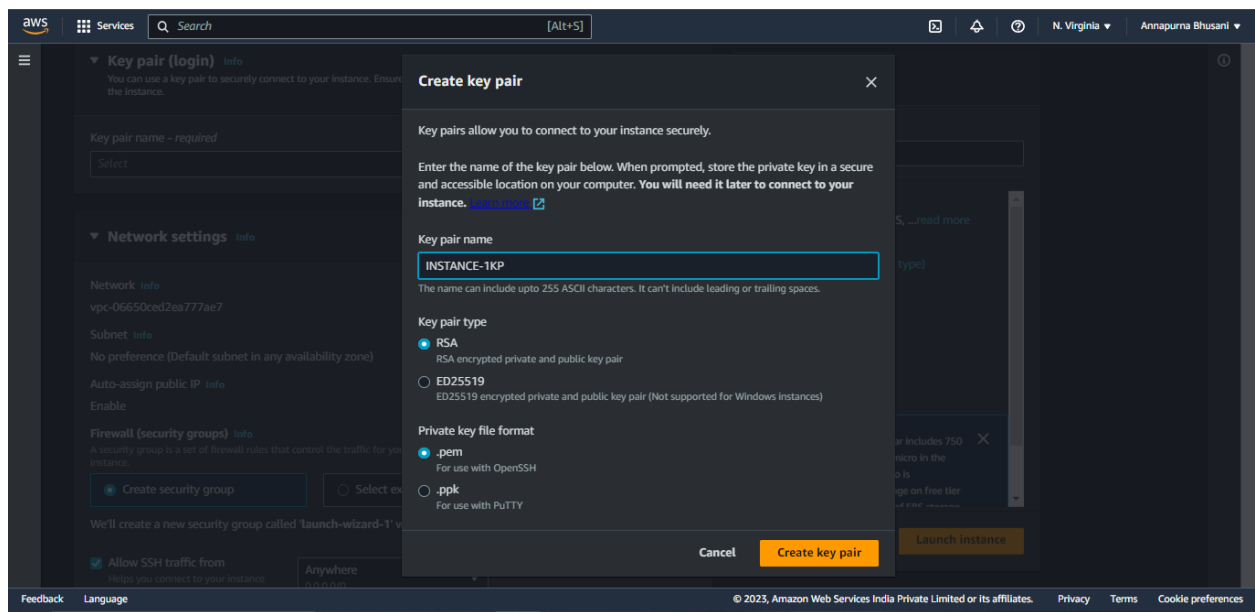
Launching an EC2 instance



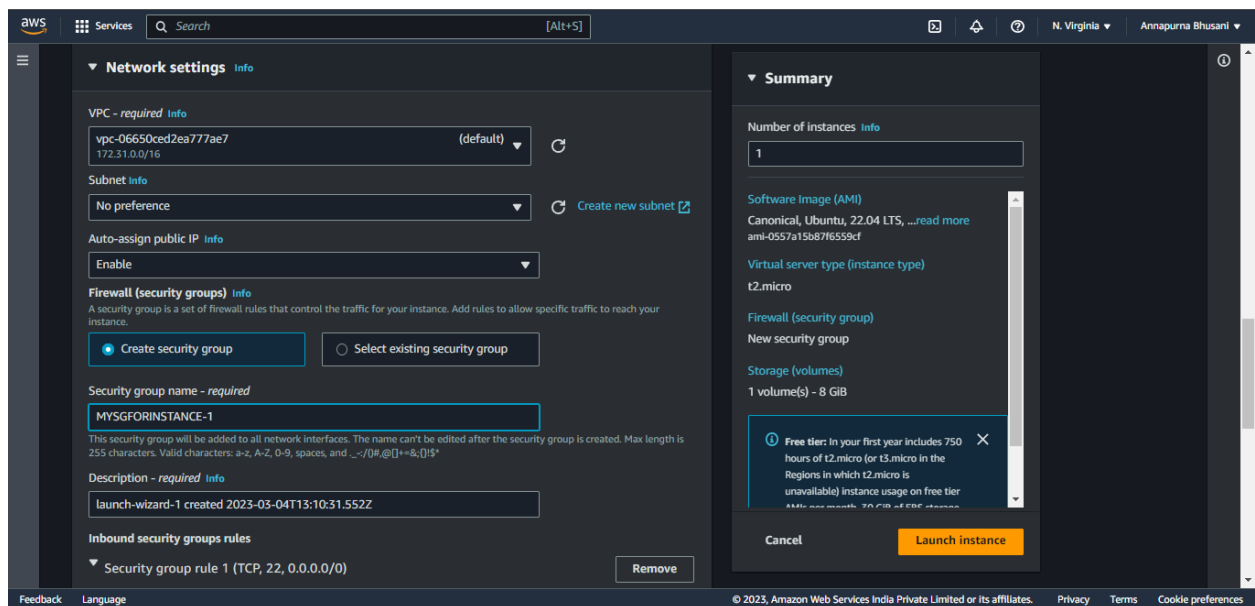
Selecting the AMI image as Ubuntu



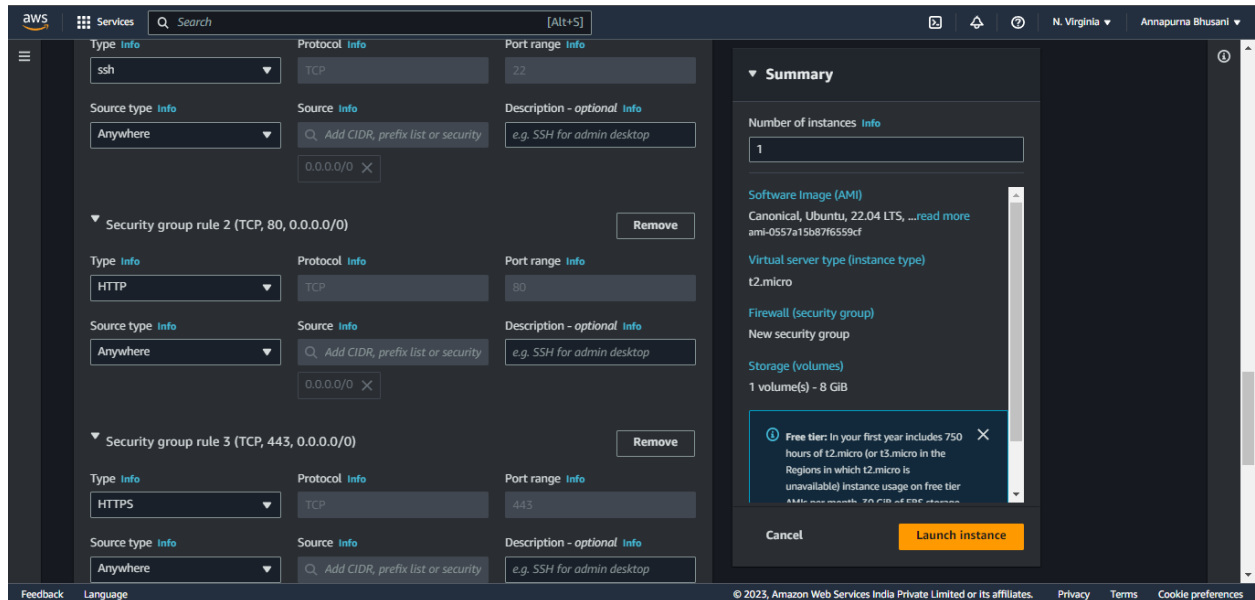
Creating a key pair named “MYINSTANCE-1KP” with .pem extension so that it can be accessed with SSH.



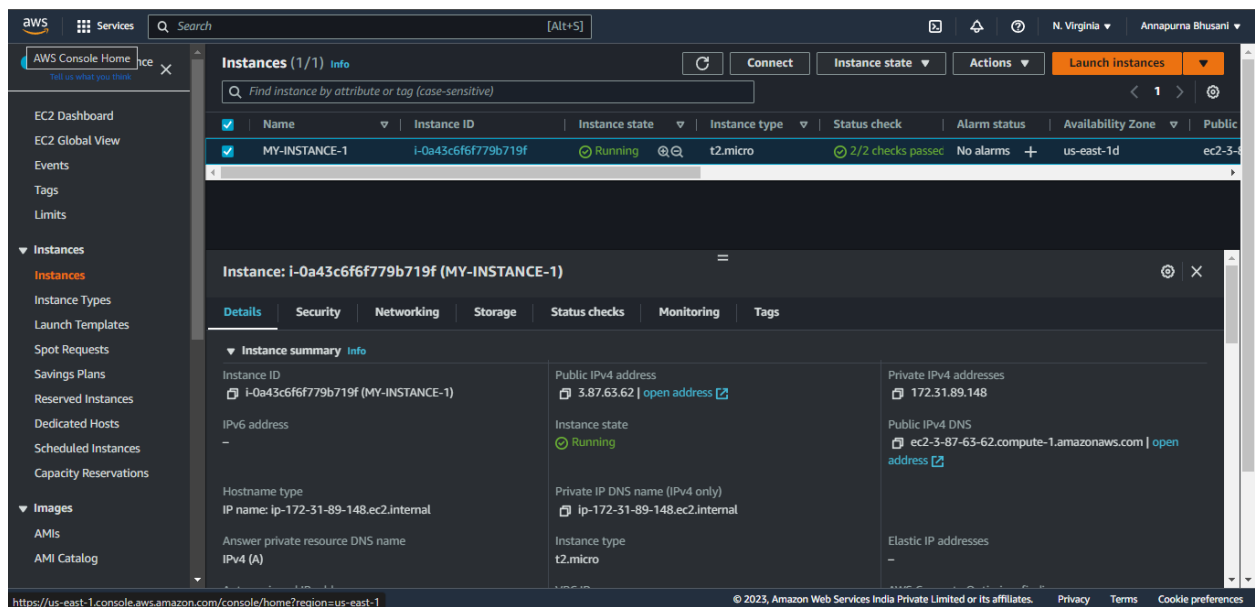
Creating a new security group and named it as “MYSGFORINSTANCE-1”.



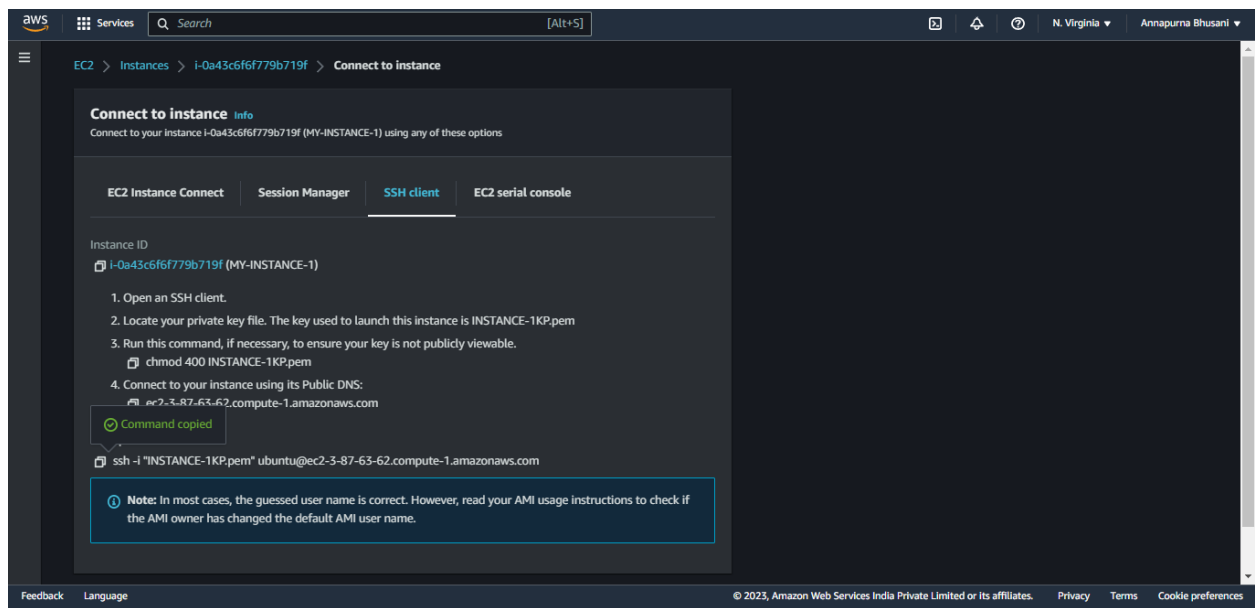
Adding the security groups rule as follows and click on launch instance.



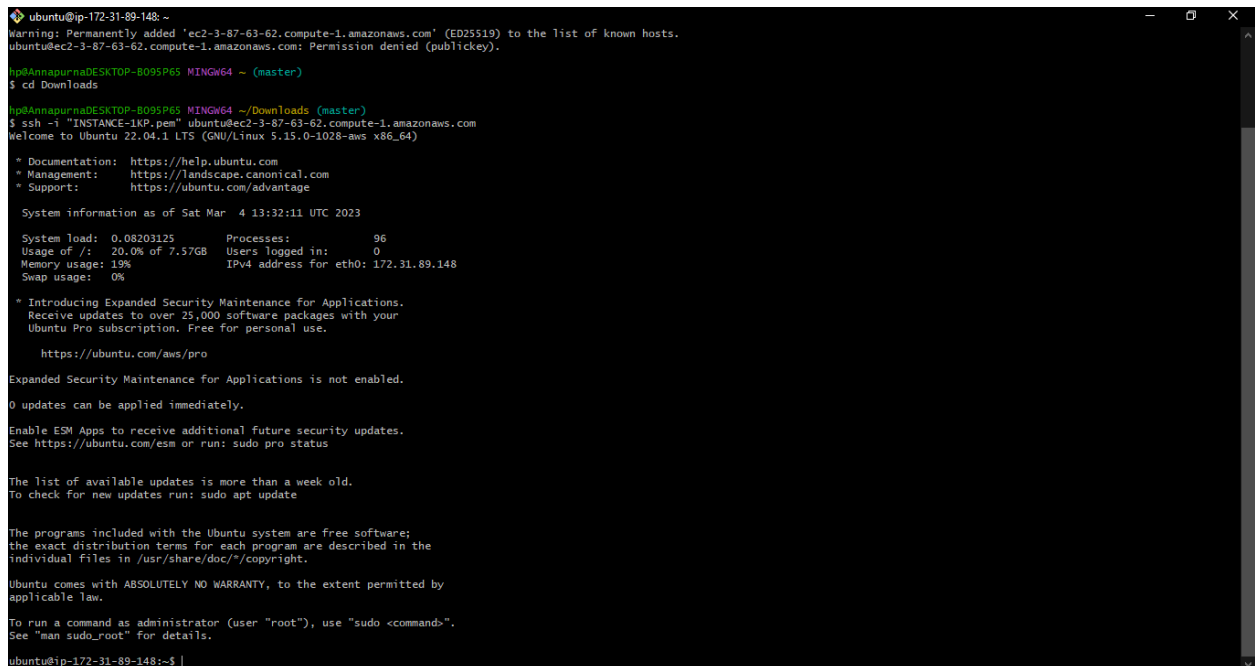
Finally the instance is running.



Now select the instance and click on connect the following page will be opened and then select the SSH client tab and copy the ssh command.



Now install the git bash and open the git bash and paste the ssh command that was copied in the ec2 instance connection page.



To install the node js we need apt so first we should update the apt with the command **sudo apt update**

```
ubuntu@ip-172-31-89-148: ~
See "man sudo_root" for details.

ubuntu@ip-172-31-89-148:~$ sudo apt update
Get:1 http://security.ubuntu.com/ubuntu jammy-security InRelease [110 kB]
Hit:2 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy InRelease
Get:3 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-updates InRelease [119 kB]
Get:4 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-backports InRelease [107 kB]
Get:5 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy/universe amd64 Packages [14.1 MB]
Get:6 http://security.ubuntu.com/ubuntu jammy-security/main amd64 Packages [680 kB]
Get:7 http://security.ubuntu.com/ubuntu jammy-security/main Translation-en [139 kB]
Get:8 http://security.ubuntu.com/ubuntu jammy-security/main amd64 c-n-f Metadata [8528 B]
Get:9 http://security.ubuntu.com/ubuntu jammy-security/restricted amd64 Packages [637 kB]
Get:10 http://security.ubuntu.com/ubuntu jammy-security/restricted Translation-en [99.7 kB]
Get:11 http://security.ubuntu.com/ubuntu jammy-security/universe amd64 Packages [696 kB]
Get:12 http://security.ubuntu.com/ubuntu jammy-security/universe Translation-en [111 kB]
Get:13 http://security.ubuntu.com/ubuntu jammy-security/universe amd64 c-n-f Metadata [13.5 kB]
Get:14 http://security.ubuntu.com/ubuntu jammy-security/multiverse amd64 Packages [4960 B]
Get:15 http://security.ubuntu.com/ubuntu jammy-security/multiverse Translation-en [996 B]
Get:16 http://security.ubuntu.com/ubuntu jammy-security/multiverse amd64 c-n-f Metadata [240 B]
Get:17 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy/universe Translation-en [5652 kB]
Get:18 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy/universe amd64 c-n-f Metadata [286 kB]
Get:19 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy/multiverse amd64 Packages [217 kB]
Get:20 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy/multiverse Translation-en [112 kB]
Get:21 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy/multiverse amd64 c-n-f Metadata [9372 B]
Get:22 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/main amd64 Packages [939 kB]
Get:23 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/main Translation-en [203 kB]
Get:24 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/main amd64 c-n-f Metadata [13.6 kB]
Get:25 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/restricted amd64 Packages [680 kB]
Get:26 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/restricted Translation-en [106 kB]
Get:27 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/restricted amd64 c-n-f Metadata [584 B]
Get:28 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/universe amd64 Packages [877 kB]
Get:29 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/universe Translation-en [172 kB]
Get:30 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/universe amd64 c-n-f Metadata [17.9 kB]
Get:31 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/multiverse amd64 Packages [9696 B]
Get:32 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/multiverse Translation-en [3260 B]
Get:33 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/multiverse amd64 c-n-f Metadata [444 B]
Get:34 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-backports/main amd64 Packages [40.7 kB]
Get:35 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-backports/main Translation-en [9800 B]
Get:36 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-backports/main amd64 c-n-f Metadata [392 B]
Get:37 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-backports/restricted amd64 c-n-f Metadata [116 B]
Get:38 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-backports/universe amd64 Packages [19.5 kB]
Get:39 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-backports/universe Translation-en [14.0 kB]
Get:40 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-backports/universe amd64 c-n-f Metadata [392 B]
Get:41 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-backports/multiverse amd64 c-n-f Metadata [116 B]
Fetched 26.2 MB in 6s (4667 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-172-31-89-148:~$
```

Now to install the Nodejs we use the command **sudo apt install nodejs**

```
ubuntu@ip-172-31-89-148: ~
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]
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 23s (600 kB/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...

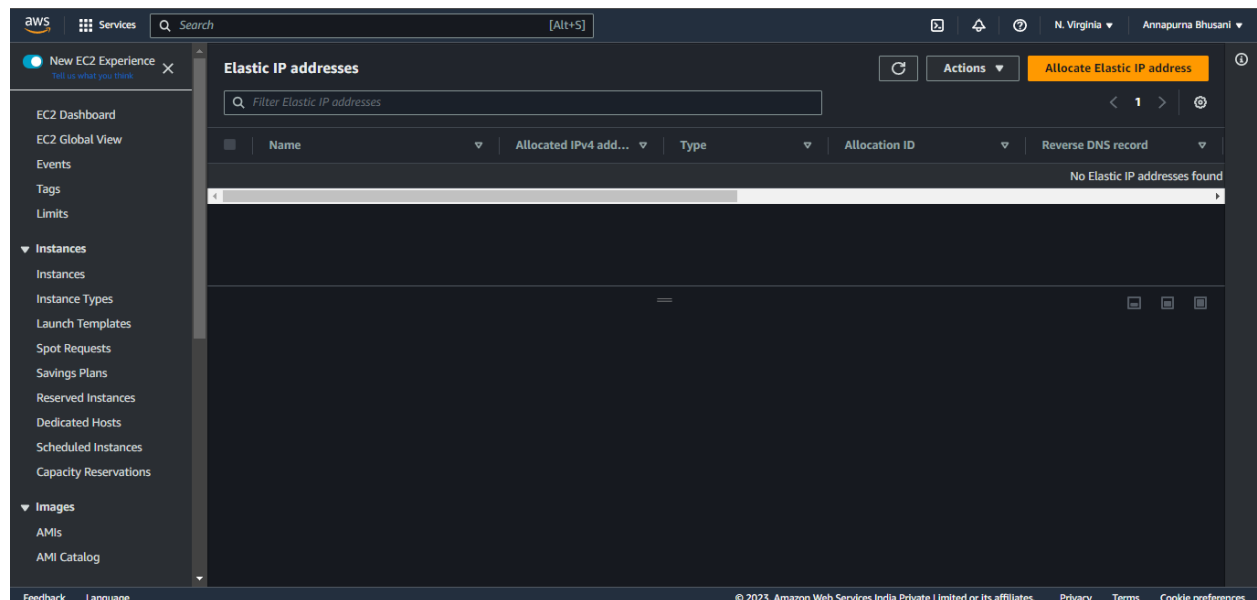
Running kernel seems to be up-to-date.
```

Nodejs is installed and to check the version of the node we use the command **node -v**.

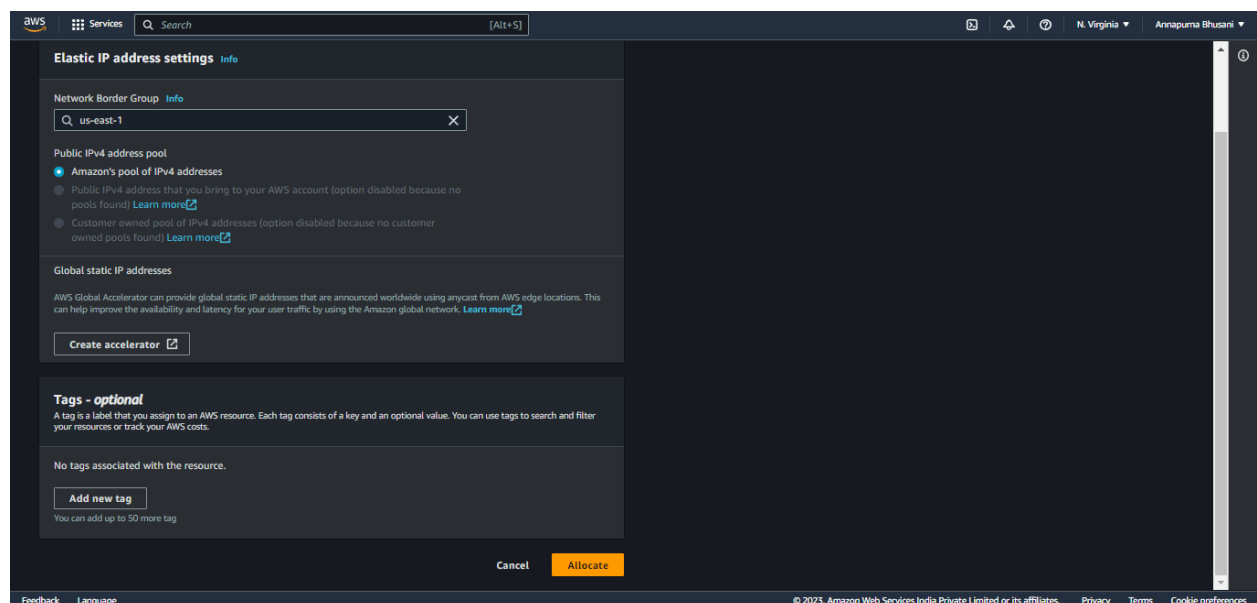
```
Running kernel seems to be up-to-date.
No services need to be restarted.
No containers need to be restarted.
No user sessions are running outdated binaries.
No VM guests are running outdated hypervisor (qemu) binaries on this host.
ubuntu@ip-172-31-89-148:~$ node -v
v12.22.9
ubuntu@ip-172-31-89-148:~$
```

To configure the above created EC2 instance with elastic ip

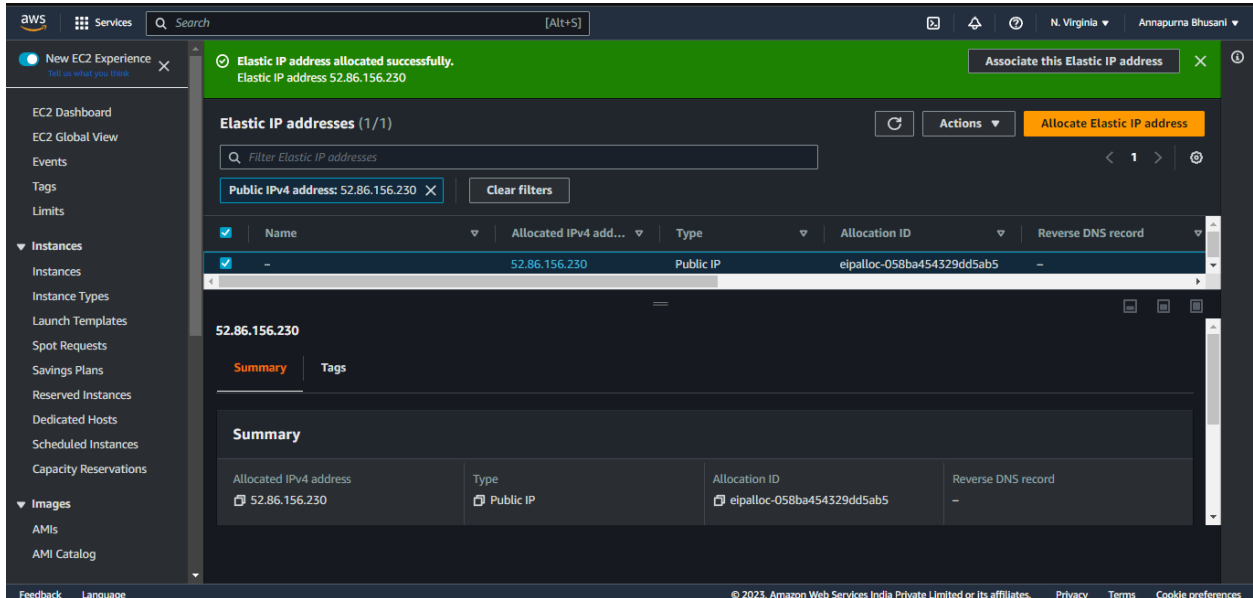
Go to elastic ip's



Click on allocate elastic ip address now click on allocate



Now click on the Associate this Elastic IP address



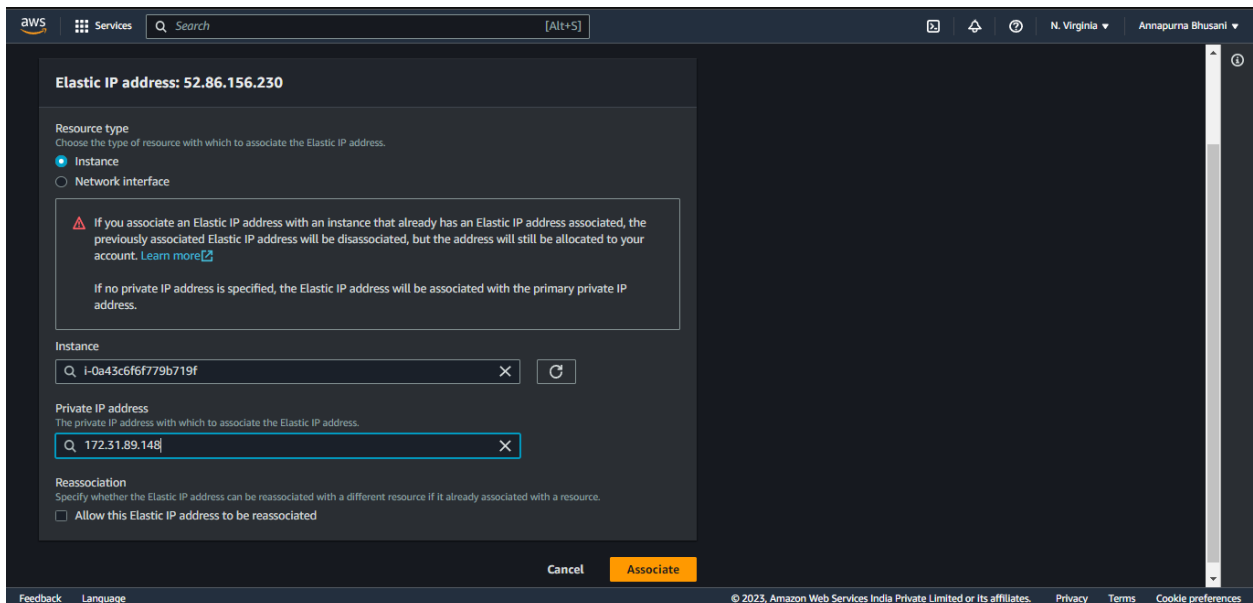
The screenshot shows the AWS Management Console interface. At the top, there's a navigation bar with the AWS logo, 'Services', a search bar, and user information. A green banner at the top of the main content area states 'Elastic IP address allocated successfully. Elastic IP address 52.86.156.230' with an 'Associate this Elastic IP address' button. Below this, the 'Elastic IP addresses (1/1)' section shows a table with one entry:

Name	Allocated IPv4 address	Type	Allocation ID	Reverse DNS record
-	52.86.156.230	Public IP	eipalloc-058ba454329dd5ab5	-

Below the table, there's a 'Summary' section with a table showing details for the Elastic IP address:

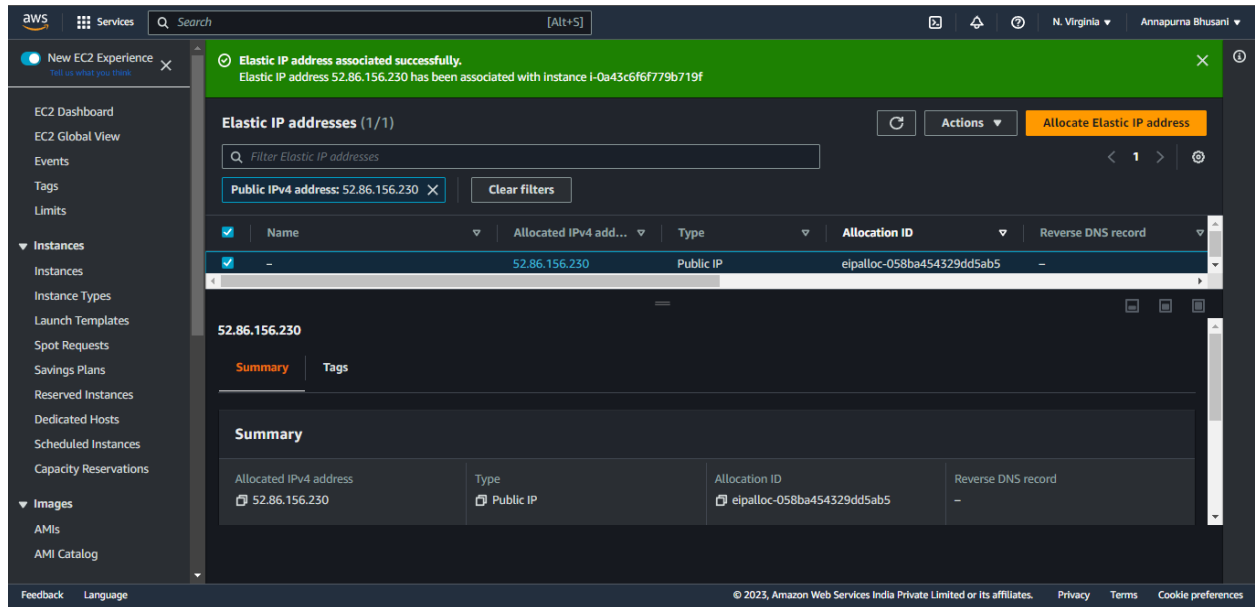
Allocated IPv4 address	Type	Allocation ID	Reverse DNS record
52.86.156.230	Public IP	eipalloc-058ba454329dd5ab5	-

Now attach the instance and private IP address and click on the associate.

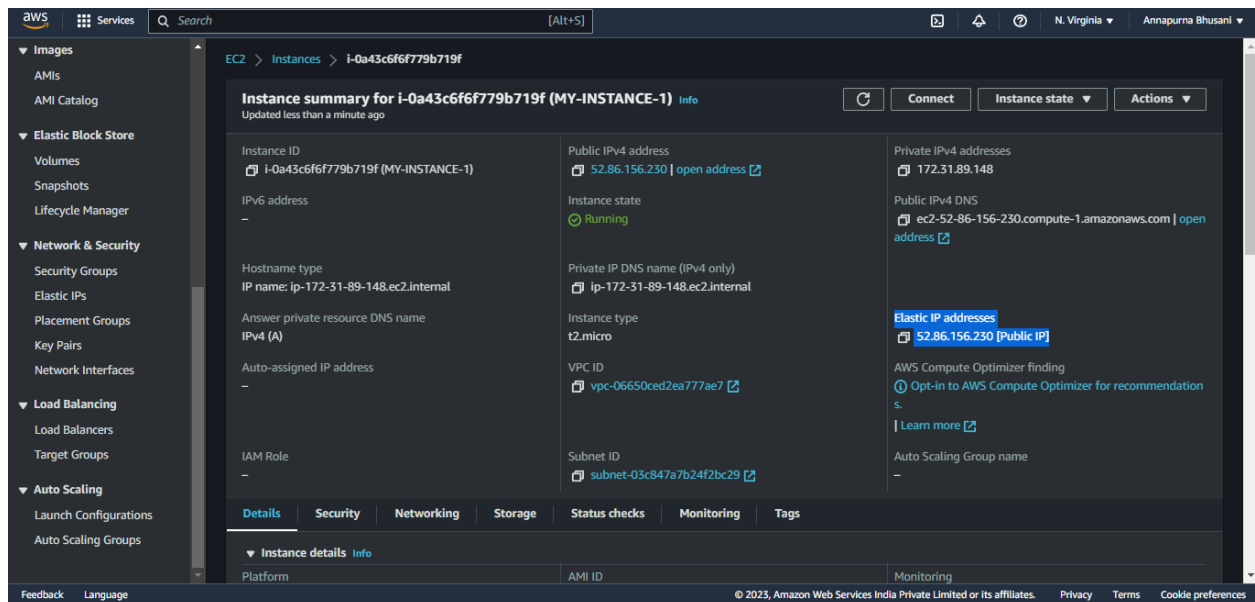


The screenshot shows the 'Associate Elastic IP address' dialog box in the AWS Management Console. The dialog box has a title 'Elastic IP address: 52.86.156.230'. It contains a 'Resource type' section with two radio buttons: 'Instance' (selected) and 'Network interface'. Below this, there's a warning message: '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'. There's also a note: 'If no private IP address is specified, the Elastic IP address will be associated with the primary private IP address.' The 'Instance' section has a search bar with the value 'i-0a43c6f6f779b719f'. The 'Private IP address' section has a search bar with the value '172.31.89.148'. At the bottom, there's a 'Reassociation' section with a checkbox 'Allow this Elastic IP address to be reassigned' which is currently unchecked. The 'Associate' button is highlighted in orange at the bottom right.

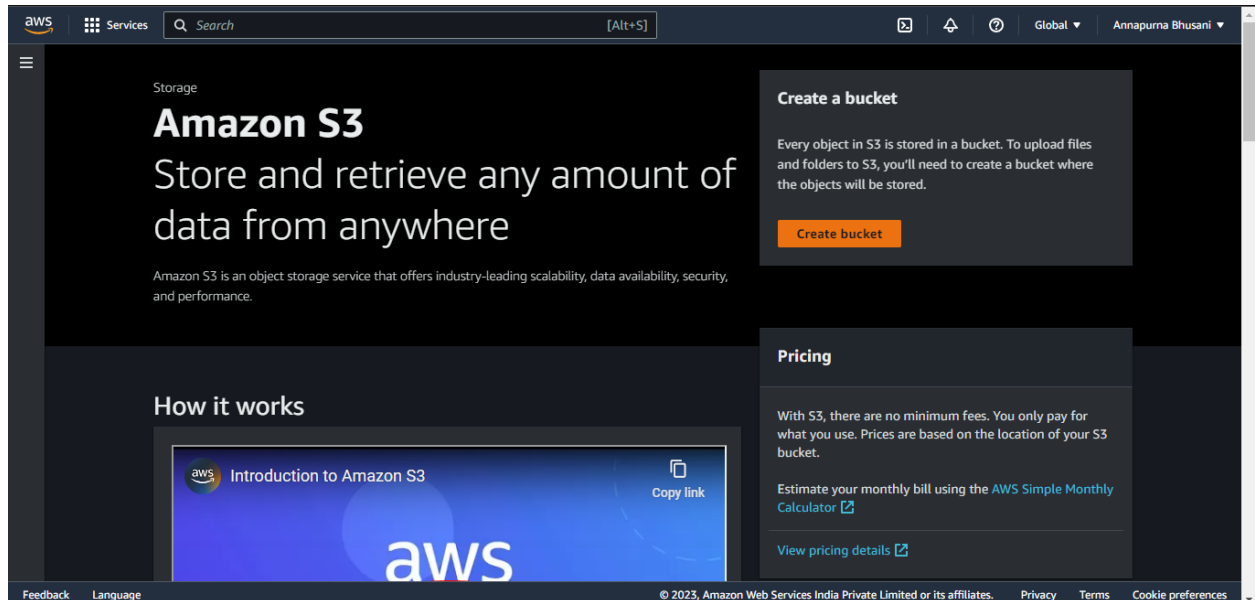
Now the elastic IP address which we created is allocated to the instance.



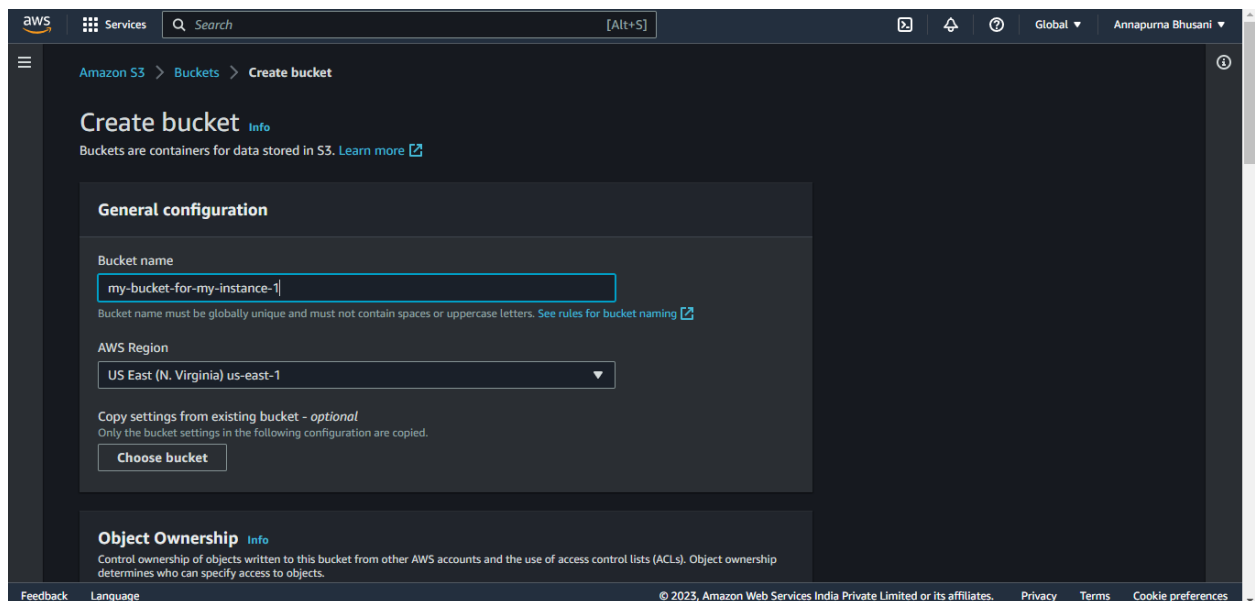
Here the instance summary showing the elastic IP address which we created.



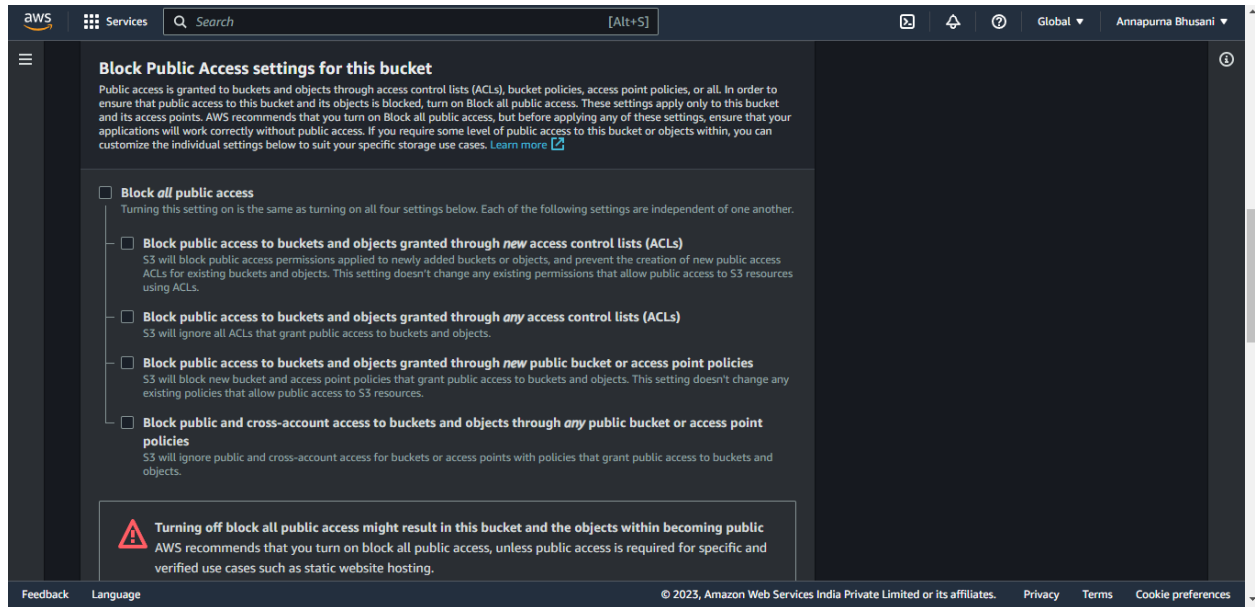
Go to the Amazon S3 service click on create bucket.



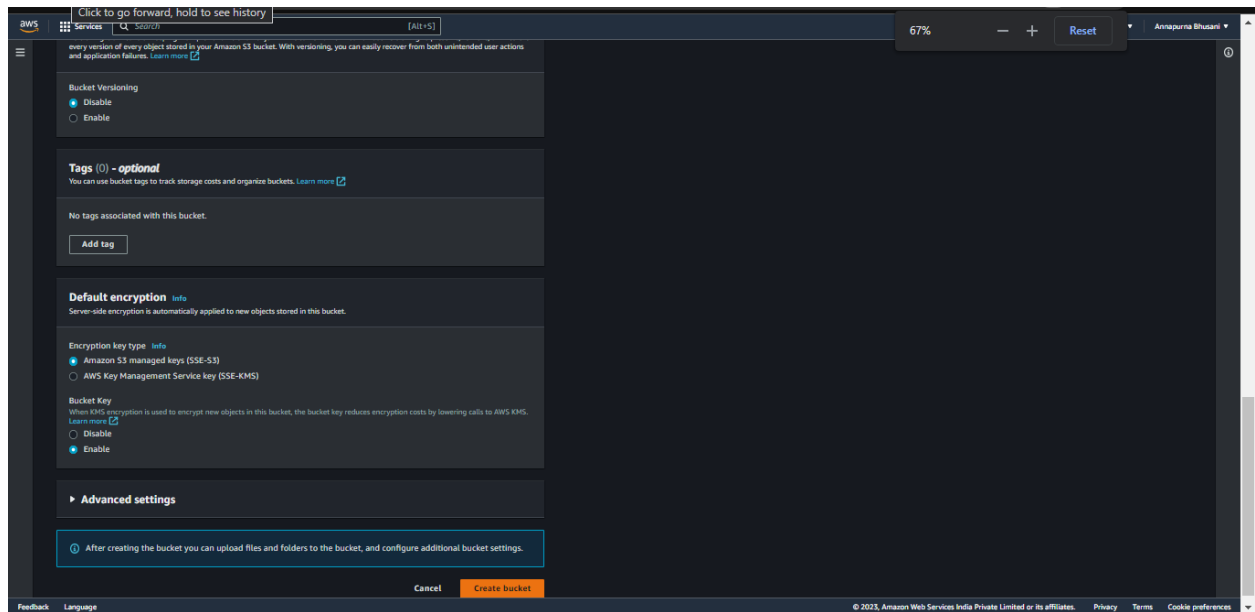
Name the bucket and the name should be unique.



Do not check in the public access.



Now click on create bucket.



The bucket is successfully created.

Successfully created bucket "my-bucket-for-my-instance-1"
To upload files and folders, or to configure additional bucket settings choose [View details](#).

Amazon S3 > Buckets

Account snapshot
Storage lens provides visibility into storage usage and activity trends. [Learn more](#)

Buckets (1) Info
Buckets are containers for data stored in S3. [Learn more](#)

Find buckets by name

	Name	AWS Region	Access	Creation date
<input type="radio"/>	my-bucket-for-my-instance-1	US East (N. Virginia) us-east-1	Objects can be public	March 4, 2023, 20:17:31 (UTC+05:30)

Amazon S3 > Buckets > my-bucket-for-my-instance-1

my-bucket-for-my-instance-1 Info

Objects (0)
Objects are the fundamental entities stored in Amazon S3. You can use [Amazon S3 Inventory](#) to get a list of all objects in your bucket. For others to access your objects, you'll need to explicitly grant them permissions. [Learn more](#)

Find objects by prefix

	Name	Type	Last modified	Size	Storage class
No objects You don't have any objects in this bucket.					

Now go to the IAM service to create a IAM role and giving full access to the s3 bucket and select the ec2 and click on next.

The screenshot shows the 'Select trusted entity' step in the AWS IAM console. The left sidebar indicates the current step is 'Step 1: Select trusted entity'. The main content area is titled 'Select trusted entity' and includes an 'Info' link. Under 'Trusted entity type', there are five radio button options: 'AWS service' (selected), 'AWS account', 'Web identity', 'SAML 2.0 federation', and 'Custom trust policy'. Each option has a brief description. Below this, the 'Use case' section is titled 'Allow an AWS service like EC2, Lambda, or others to perform actions in this account.' Under 'Common use cases', there are two radio button options: 'EC2' (selected) and 'Lambda'. Below this, there is a section for 'Use cases for other AWS services' with a dropdown menu labeled 'Choose a service to view use case'. At the bottom right, there are 'Cancel' and 'Next' buttons.

Now add the amazon s3 full access permission.

The screenshot shows the 'Add permissions' step in the AWS IAM console. The left sidebar indicates the current step is 'Step 2: Add permissions'. The main content area is titled 'Add permissions' and includes an 'Info' link. Under 'Permissions policies (Selected 1/817)', there is a search bar with the text 'Filter policies by property or policy name and press enter.' and a '9 matches' indicator. Below the search bar, there is a table of policies. The table has columns for 'Policy name', 'Type', and 'Description'. The policy 'AmazonS3FullAccess' is selected, indicated by a blue highlight and a checked checkbox. The table lists several other policies, including 'AmazonDMSRedsh...', 'QuickSightAccessF...', 'AmazonS3ReadOnl...', 'AmazonS3Outposts...', 'AWSBackupService...', 'AmazonS3ObjectLa...', and 'AmazonS3Outposts...'. At the bottom right, there are 'Cancel' and 'Next' buttons.

Name the role

The screenshot shows the AWS IAM console interface. At the top, there's a navigation bar with the AWS logo, 'Services' menu, a search bar, and user information. A blue banner at the top left introduces the new IAM roles experience. The main content area is titled 'Name, review, and create' and includes a sidebar with three steps: 'Select trusted entity', 'Add permissions', and 'Name, review, and create' (which is the active step). The 'Role details' section contains a 'Role name' field with the value 'ACCESS-S3-BUCK' and a 'Description' field with the text 'Allows EC2 instances to call AWS services on your behalf.' Below this, a 'Step 1: Select trusted entities' section shows a JSON policy snippet. At the bottom right, there is an 'Edit' button.

Introducing the new IAM roles experience
We've redesigned the IAM roles experience to make it easier to use. [Let us know what you think](#)

IAM > Roles > Create role

Step 1
Select trusted entity

Step 2
Add permissions

Step 3
Name, review, and create

Name, review, and create

Role details

Role name
Enter a meaningful name to identify this role.

ACCESS-S3-BUCK

Maximum 64 characters. Use alphanumeric and "+", "@", "_" characters.

Description
Add a short explanation for this role.

Allows EC2 instances to call AWS services on your behalf.

Maximum 1000 characters. Use alphanumeric and "+", "@", "_" characters.

Step 1: Select trusted entities

```
1 {  
2   "Version": "2012-10-17",  
3   "Statement": [  
4     {  
5       "Effect": "Allow",  
6       "Action": [  
7         "sts:AssumeRole"  
8     ]  
9   }  
10 ]
```

Edit

Feedback Language

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Click on create role.

The screenshot shows the 'Add permissions' step of the AWS IAM console. The top navigation bar is the same as the previous screenshot. The main content area is titled 'Step 2: Add permissions' and includes a sidebar with three steps: 'Select trusted entity', 'Add permissions', and 'Name, review, and create' (which is the active step). The 'Permissions policy summary' section shows a table with one policy: 'AmazonS3FullAccess', 'AWS managed', and 'Permissions policy'. Below this, there is a 'Tags' section with an 'Add tags' button. At the bottom right, there are 'Cancel', 'Previous', and 'Create role' buttons.

Step 2: Add permissions

Edit

Permissions policy summary

Policy name	Type	Attached as
AmazonS3FullAccess	AWS managed	Permissions policy

Tags

Add tags - optional [Info](#)

Tags are key-value pairs that you can add to AWS resources to help identify, organize, or search for resources.

No tags associated with the resource.

Add tag

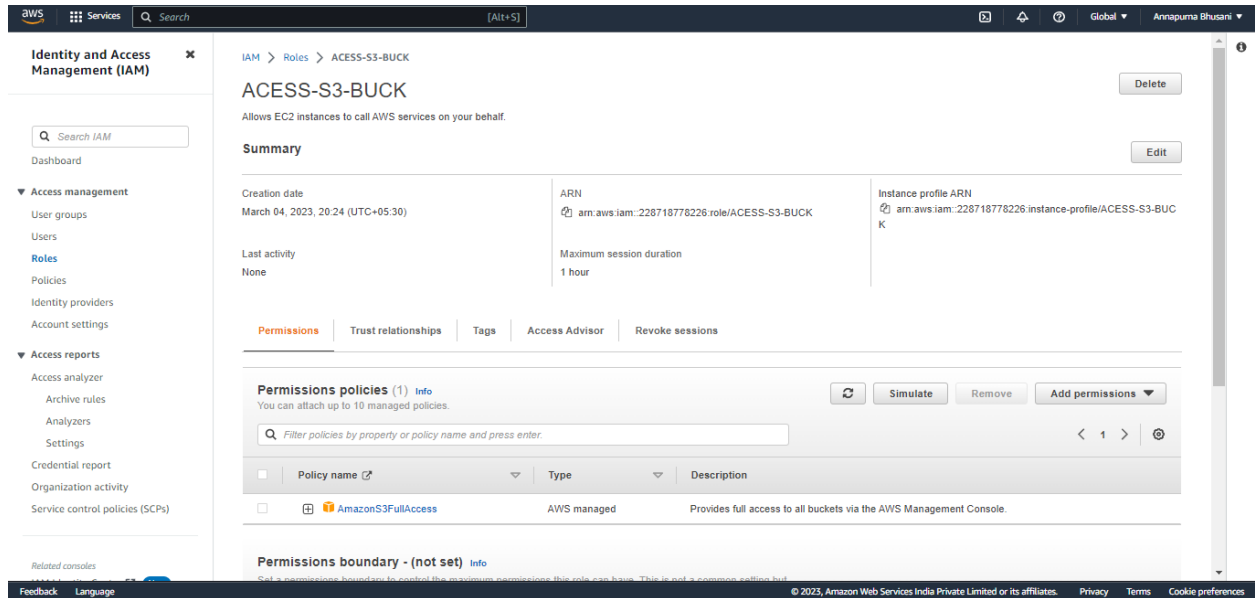
You can add up to 50 more tags.

Cancel Previous Create role

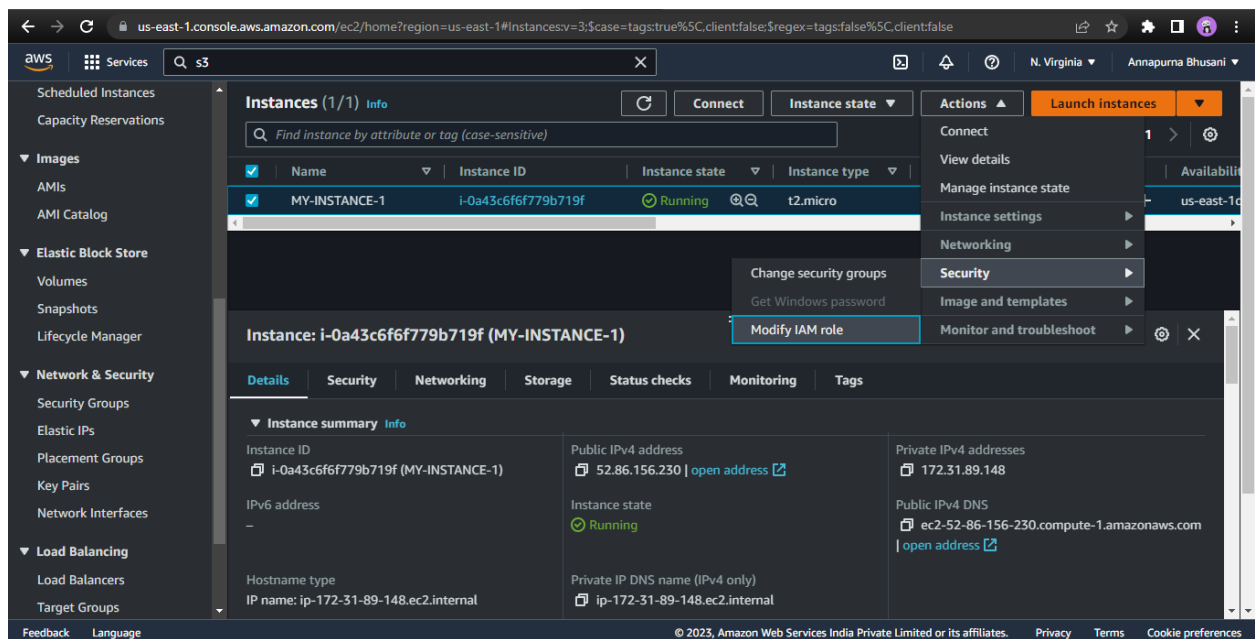
Feedback Language

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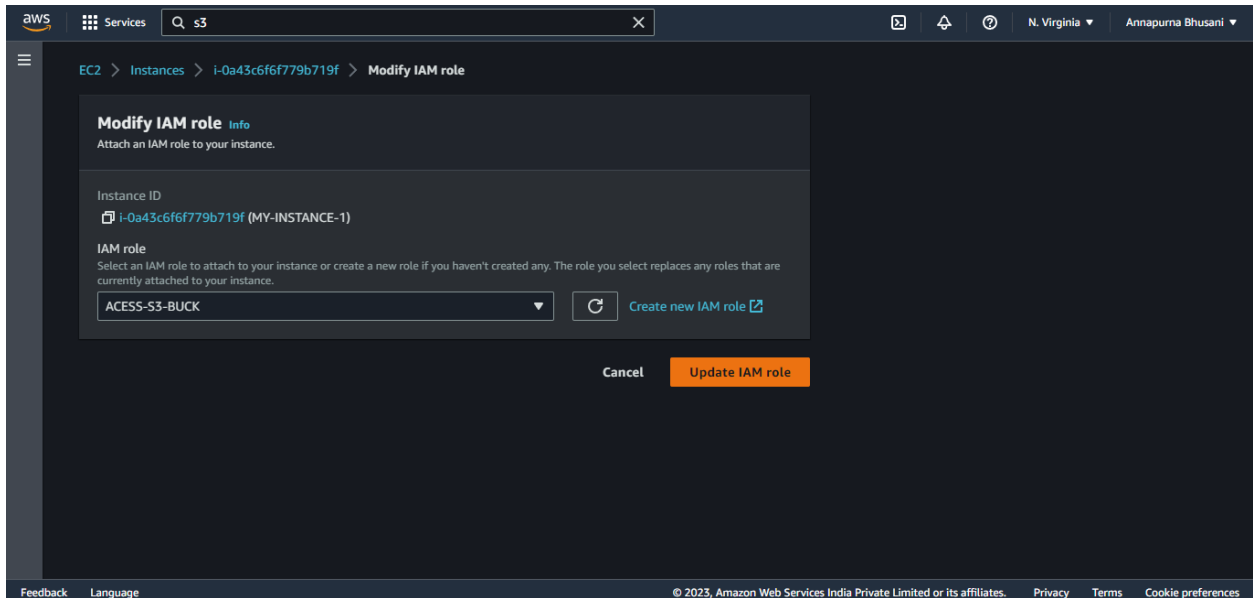
Now the IAM role is created.



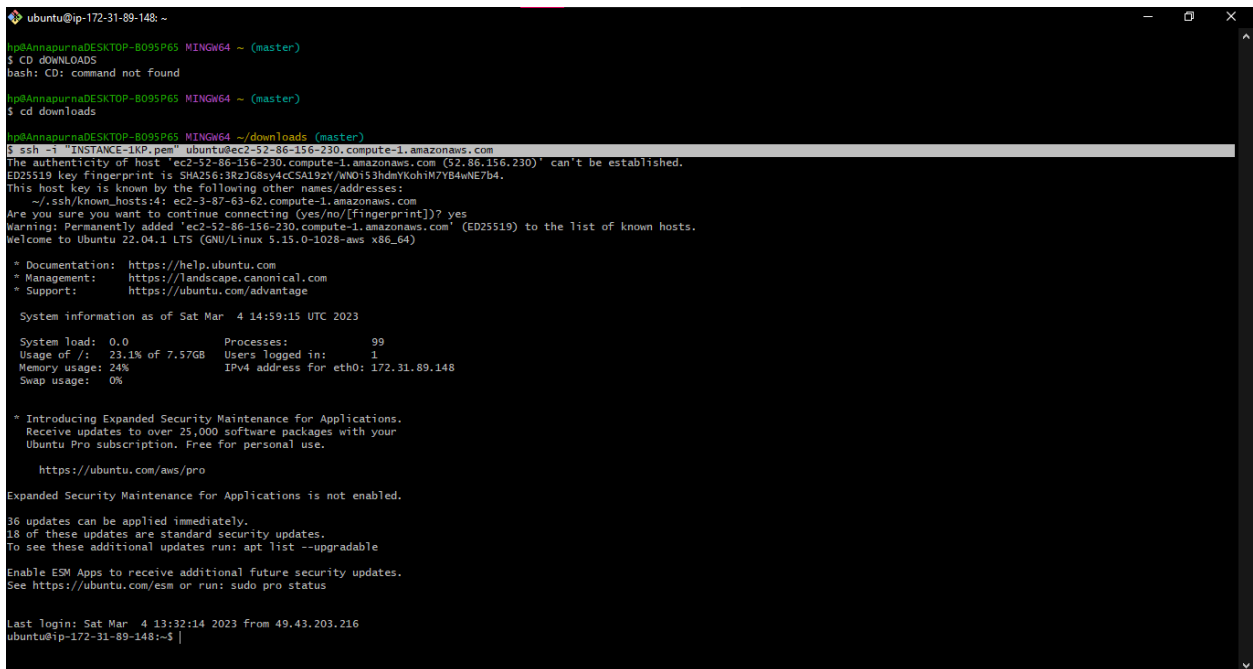
Go to the instance which we created and go to security → Modify IAM role.



Select the IAM role which we created and click on the update IAM role.



Now connect the EC2 instance through local machine through ssh.



Now install the AWS command prompt using the command **sudo apt install awscli**.

```
ubuntu@ip-172-31-89-148:~$ sudo apt install awscli
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following additional packages will be installed:
  bz2p2 docutils-common fontconfig fontconfig-config fonts-droid-fallback fonts-noto-mono fonts-urw-base35 ghostscript groff gsfonts hicolor-icon-theme imagemagick imagemagick-6-common
  imagemagick-6.q16 libaom3 libavahi-client3 libavahi-common-data libavahi-common3 libcairo2 libcups2 libdatrie1 libdav1d5 libde265-0 libdeflate0 libdjvulibre-text libdjvulibre21
  libfftw3-double3 libfontconfig1 libgomp1 libgraphite2-3 libgs9 libgs9-common libharfbuzz0b libheif1 libice6 libidn2 libijs-0.35 liblmbase25 libimagequant0 libjbig0 libjpeg-turbo8
  libjpeg8 libjpeg-tools libjxr0 liblcms2-2 liblqr-1-0 libltd7 libmagickcore-6.q16-6 libmagickcore-6.q16-6-extra libmagickwand-6.q16-6 libnetpbm10 libopenjp2-7 libpango-1.0-0
  libpangocairo-1.0-0 libpangoft2-1.0-0 libpaper-utils libpaper1 libpixman-1-0 librsvg2-bin librsvg2-common libsharpey1 libtiff5 libwebp libwebp-demux2 libwebpmux3 libwmf-lite-0.2-7
  libx265-199 libxaw7 libxcb-render0 libxcb-shm0 libxmu6 libxpm4 libxrender1 libxv6 mailcap mime-support netpbm poppler-data psutils python3-boto python3-boto3 python3-dateutil
  python3-docutils python3-jmespath python3-olefile python3-pil python3-pygments python3-roman python3-rsa python3-s3transfer sgml-base x11-common x11-core
Suggested packages:
  bz2p2-doc fonts-noto fonts-freefont-otf | fonts-freefont-ttf fonts-texgyre ghostscript-x imagemagick-doc autotrace cups-bsd | lpr | lprng enscript ffmpeg gimp anuplot grads graphviz hp2xx
  htl2ps libwmf-bin mplayer povray radiance sane-utils texlive-base-bin transfig ufrax-batch xdg-utils cups-common libfftw3-bin libfftw3-dev liblcms2-utils inkscape poppler-utils
  fonts-japanese-mincho fonts-ipafont-mincho fonts-japanese-gothic | fonts-ipafont-gothic fonts-arphic-ukai fonts-arphic-uming fonts-nanum docutils-doc fonts-linuxlibertine
  | ttf-linux-libertine texlive-lang-french texlive-latex-recommended python-pil-doc python-pygments-doc ttf-bitstream-vera sgml-base-doc debhelper
The following NEW packages will be installed:
  awscli bz2p2 docutils-common fontconfig fontconfig-config fonts-droid-fallback fonts-noto-mono fonts-urw-base35 ghostscript groff gsfonts hicolor-icon-theme imagemagick
  imagemagick-6-common imagemagick-6.q16 libaom3 libavahi-client3 libavahi-common-data libavahi-common3 libcairo2 libcups2 libdatrie1 libdav1d5 libde265-0 libdeflate0 libdjvulibre-text
  libdjvulibre21 libfftw3-double3 libfontconfig1 libgomp1 libgraphite2-3 libgs9 libgs9-common libharfbuzz0b libheif1 libice6 libidn2 libijs-0.35 liblmbase25 libimagequant0 libjbig0
  libjpeg-turbo8 libjpeg8 libjpeg-tools libjxr0 liblcms2-2 liblqr-1-0 libltd7 libmagickcore-6.q16-6 libmagickcore-6.q16-6-extra libmagickwand-6.q16-6 libnetpbm10 libopenjp25
  libopenjp2-7 libpango-1.0-0 libpangocairo-1.0-0 libpangoft2-1.0-0 libpaper-utils libpaper1 libpixman-1-0 librsvg2-bin librsvg2-common libsharpey1 libtiff5 libwebp libwebp-demux2
  libwebpmux3 libwmf-lite-0.2-7 libx265-199 libxaw7 libxcb-render0 libxcb-shm0 libxmu6 libxpm4 libxrender1 libxv6 mailcap mime-support netpbm poppler-data psutils python3-boto python3-boto3
  python3-dateutil python3-docutils python3-jmespath python3-olefile python3-pil python3-pygments python3-roman python3-rsa python3-s3transfer sgml-base x11-common x11-core
0 upgraded, 96 newly installed, 0 to remove and 38 not upgraded.
Need to get 46.0 MB of archives.
After this operation, 226 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 fonts-droid-fallback all 1:6.0.1r16-1.1build1 [1805 kB]
Get:2 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/main amd64 libgomp1 amd64 12.1.0-2ubuntu1-22.04 [126 kB]
Get:3 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy/main amd64 libfftw3-double3 amd64 3.3.8-2ubuntu8 [770 kB]
Get:4 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy/main amd64 fonts-urw-base35 all 20200910-1 [6367 kB]
Get:5 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy/main amd64 fontconfig-config all 2.13.1-4.2ubuntu5 [29.1 kB]
Get:6 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy/main amd64 libfontconfig1 amd64 2.13.1-4.2ubuntu5 [131 kB]
Get:7 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy/universe amd64 libaom3 amd64 3.3.0-1 [1748 kB]
Get:8 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy/universe amd64 libdav1d5 amd64 0.9.2-1 [463 kB]
Get:9 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy/universe amd64 libde265-0 amd64 1.0.8-1 [243 kB]
Get:10 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy/universe amd64 libx265-199 amd64 3.5-2 [1170 kB]
Get:11 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy/universe amd64 libheif1 amd64 1.12.0-2build1 [196 kB]
Get:12 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/main amd64 libjbig0 amd64 2.1-3.1ubuntu0.22.04.1 [29.2 kB]
Get:13 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy/main amd64 libjpeg-turbo8 amd64 2.1.2-0ubuntu1 [134 kB]
Get:14 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy/main amd64 libjpeg8 amd64 8c-2ubuntu10 [2264 B]
Get:15 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy/main amd64 liblcms2-2 amd64 2.12-rc1-2build1 [159 kB]
Get:16 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy/universe amd64 liblqr-1-0 amd64 0.4.2-2.1 [27.7 kB]
Get:17 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy/main amd64 libltd7 amd64 2.4.6-15build2 [39.6 kB]
Get:18 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy/main amd64 libopenjp2-7 amd64 2.4.0-6 [158 kB]
Get:19 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy/main amd64 libdeflate0 amd64 1.10-2 [70.9 kB]
Get:20 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy/main amd64 libwebp7 amd64 1.2.2-2 [206 kB]
Get:21 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/main amd64 libtiff5 amd64 4.3.0-6ubuntu0.3 [183 kB]
```

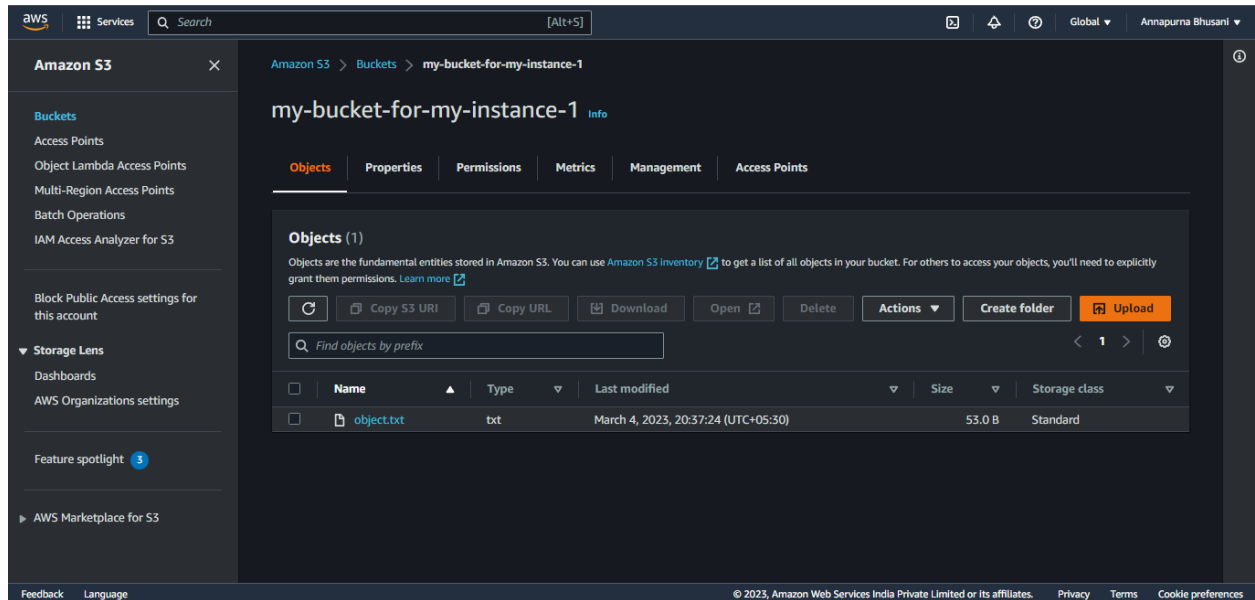
Created a file named object.txt and copied this file to the s3 bucket which I have created.

Using the below command I copied the file to the s3 bucket

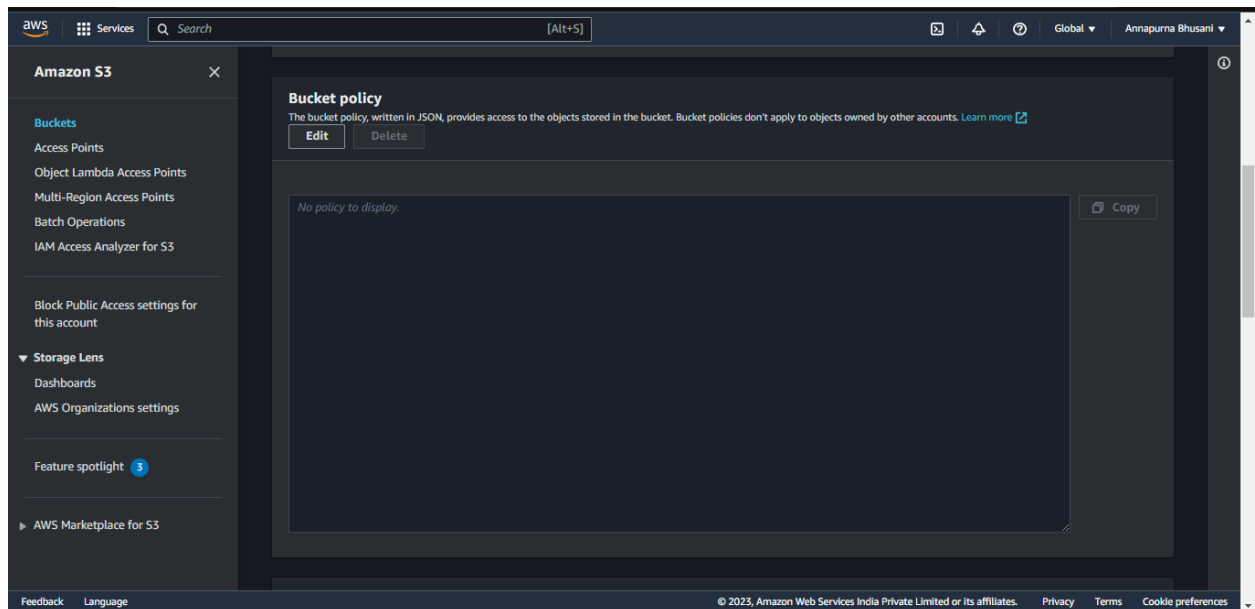
aws s3 cp object.txt s3://my-bucket-for-my-instance-1/object.txt

```
ubuntu@ip-172-31-89-148:~$ ls -la
total 28
drwxr-x--- 4 ubuntu ubuntu 4096 Mar  4 13:35 .
drwxr-xr-x 3 root root 4096 Mar  4 13:25 ..
-rw-r--r-- 1 ubuntu ubuntu 220 Jan  6 2022 .bash_logout
-rw-r--r-- 1 ubuntu ubuntu 3771 Jan  6 2022 .bashrc
drwx----- 2 ubuntu ubuntu 4096 Mar  4 13:32 .cache
-rw-r--r-- 1 ubuntu ubuntu 807 Jan  6 2022 .profile
drwx----- 2 ubuntu ubuntu 4096 Mar  4 13:25 .ssh
-rw-r--r-- 1 ubuntu ubuntu  0 Mar  4 13:35 .sudo_as_admin_successful
ubuntu@ip-172-31-89-148:~$ vi object.txt
ubuntu@ip-172-31-89-148:~$ cat object.txt
Added object into the s3 bucket through ec2 instance
ubuntu@ip-172-31-89-148:~$ aws s3 ls
2023-03-04 14:47:31 my-bucket-for-my-instance-1
ubuntu@ip-172-31-89-148:~$ aws s3 cp object.txt s3://my-bucket-for-my-instance-1/object.txt
upload: ./object.txt to s3://my-bucket-for-my-instance-1/object.txt
ubuntu@ip-172-31-89-148:~$
```

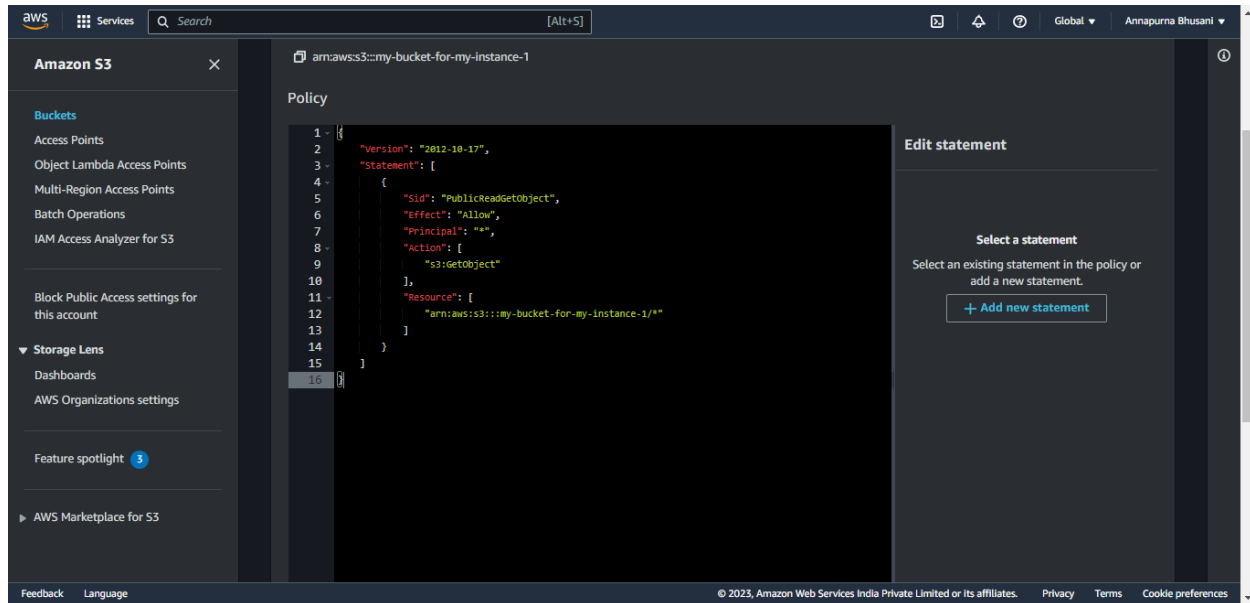

We can see that the file is uploaded.



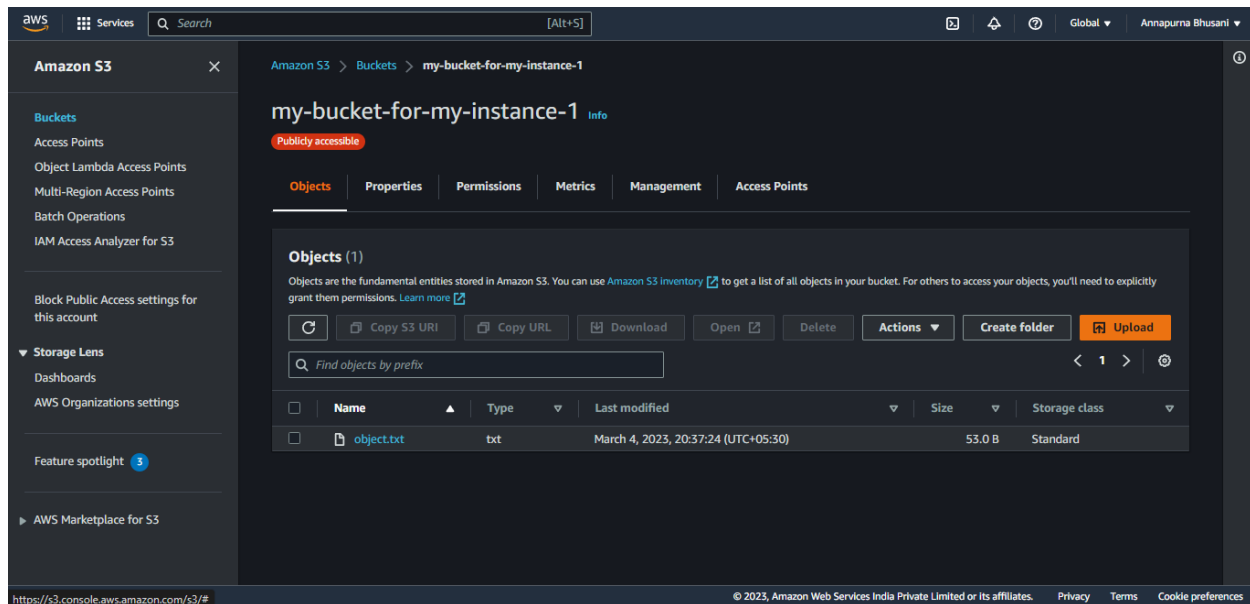
Go to permissions and click on edit in the bucket policy tab.



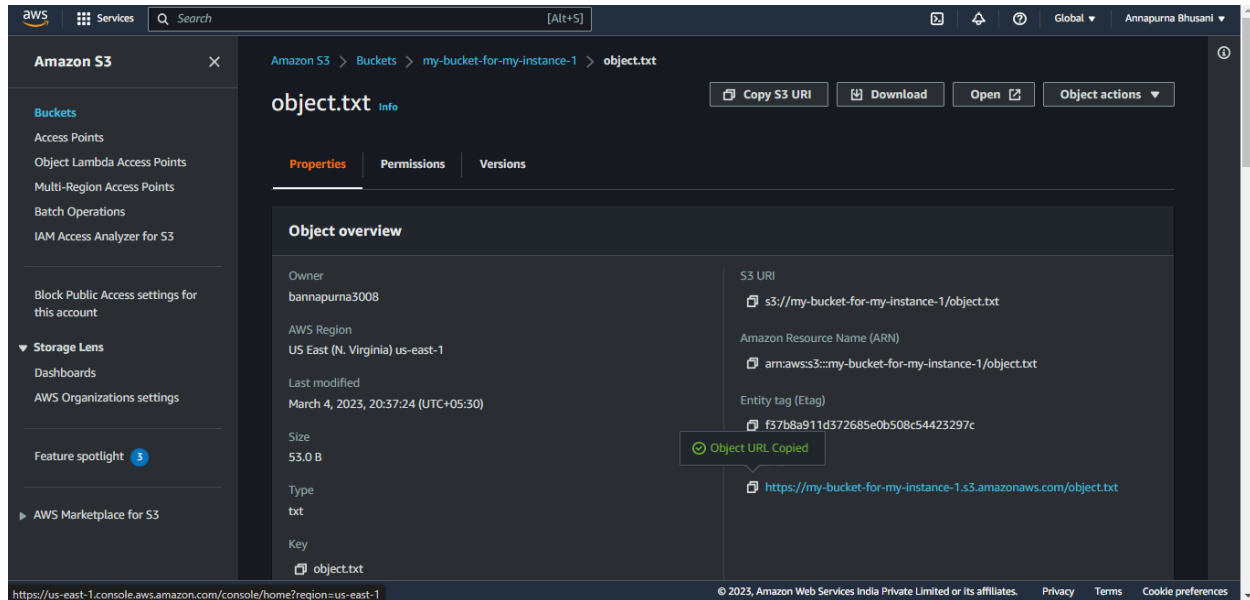
Edit the policy and save changes.



So after editing the bucket policy we can see that bucket as public access now.



This is the details of the object we copied to s3 through ec2. Copy the url of the object.



Paste the url on the local machine browser so that we can see the following output.

