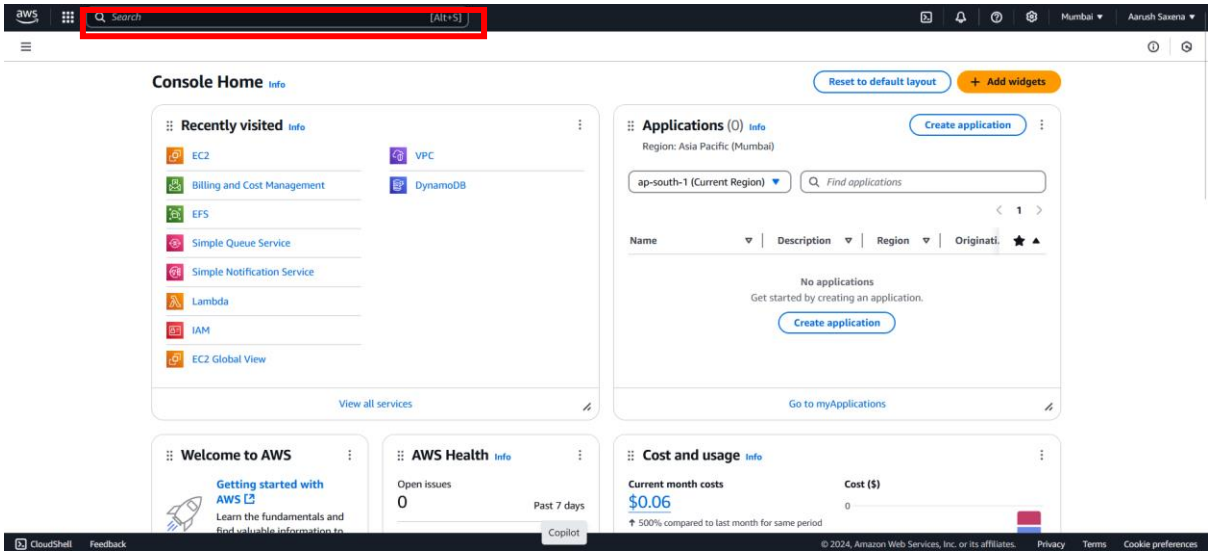
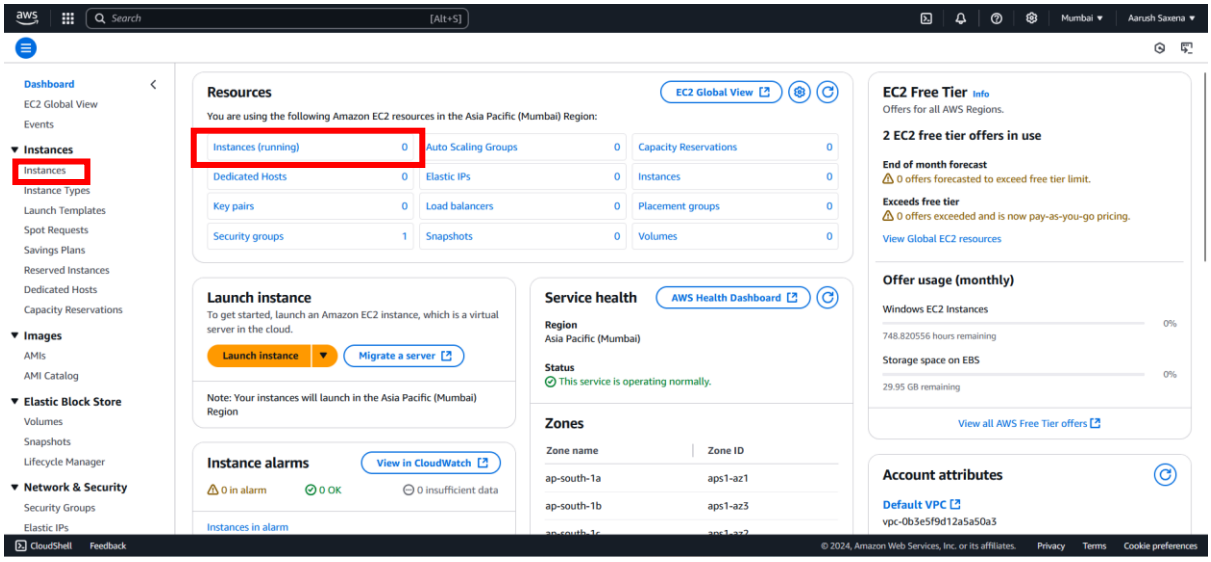
Elastic Block Storage with Xfs file system

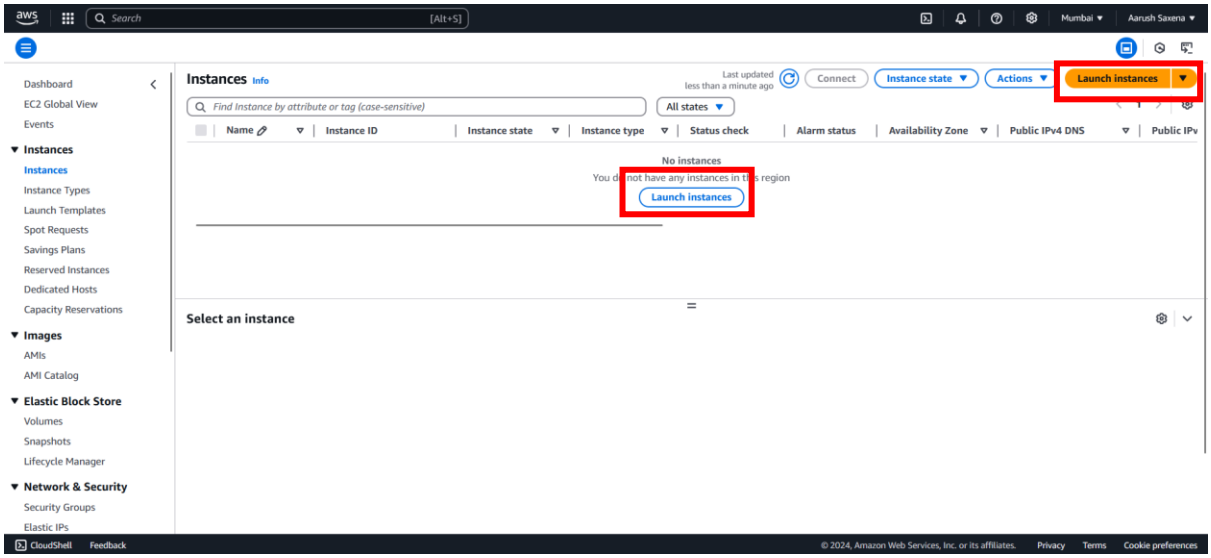
Step1: Log-in to your aws account. Search for ec2 service, from the search bar.

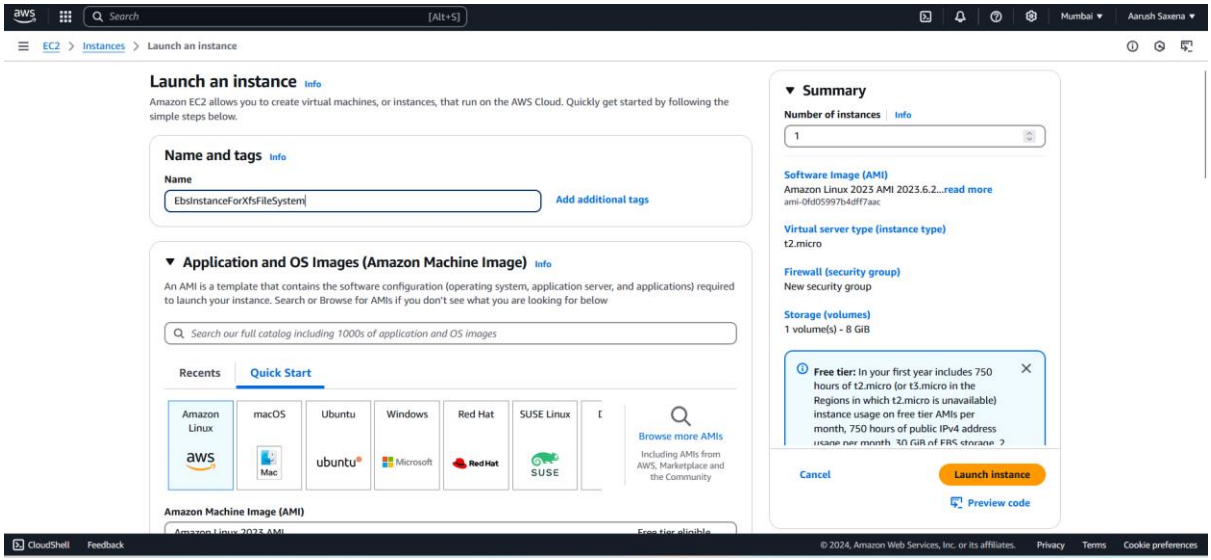


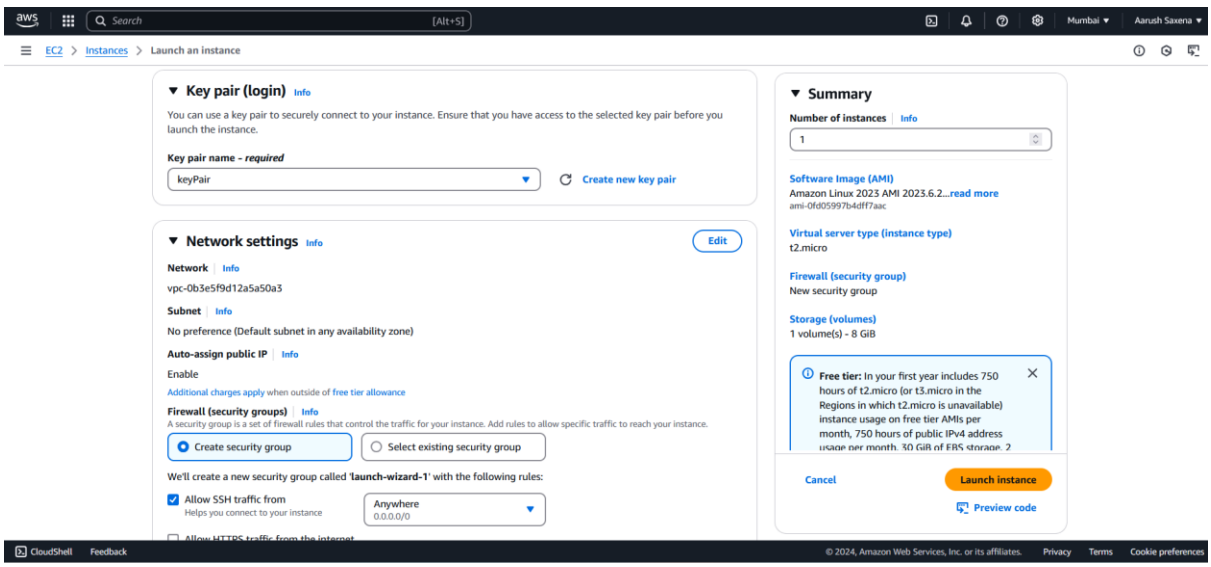
Step2: Click on instance and create a instance.

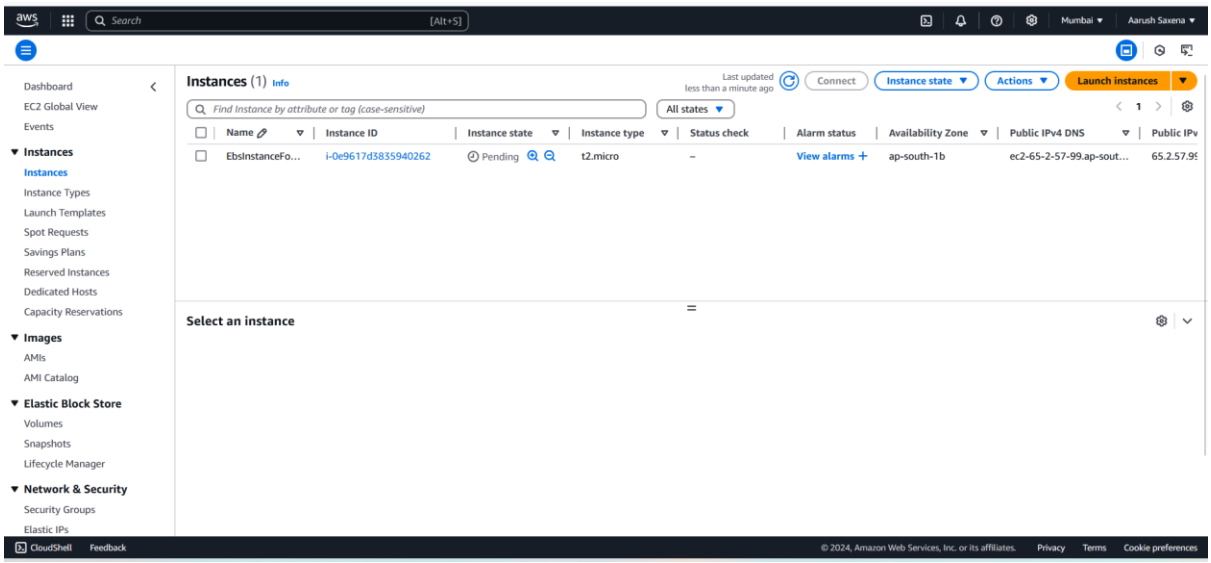


Click on Launch instance. Give name and choose operating system according to your requirement. Create keypair and allow only ssh traffic. Keep other settings to default. And click on Launch Instance.


Search [Alt+S]
Mumbai
Aarush Saxena
Dashboard
EC2 Global View
Events
Instances
Instances
Instance Types
Launch Templates
Spot Requests
Savings Plans
Reserved Instances
Dedicated Hosts
Capacity Reservations
Images
AMIs
AMI Catalog
Elastic Block Store
Volumes
Snapshots
Lifecycle Manager
Network & Security
Security Groups
Elastic IPs
Instances Info
Last updated less than a minute ago
Connect
Instance state
Actions
Launch instances
Find Instance by attribute or tag (case-sensitive)
All states
Name
Instance ID
Instance state
Instance type
Status check
Alarm status
Availability Zone
Public IPv4 DNS
Public IPv
No instances
You do not have any instances in this region
Launch instances
Select an instance
CloudShell
Feedback
© 2024, Amazon Web Services, Inc. or its affiliates.
Privacy
Terms
Cookie preferences

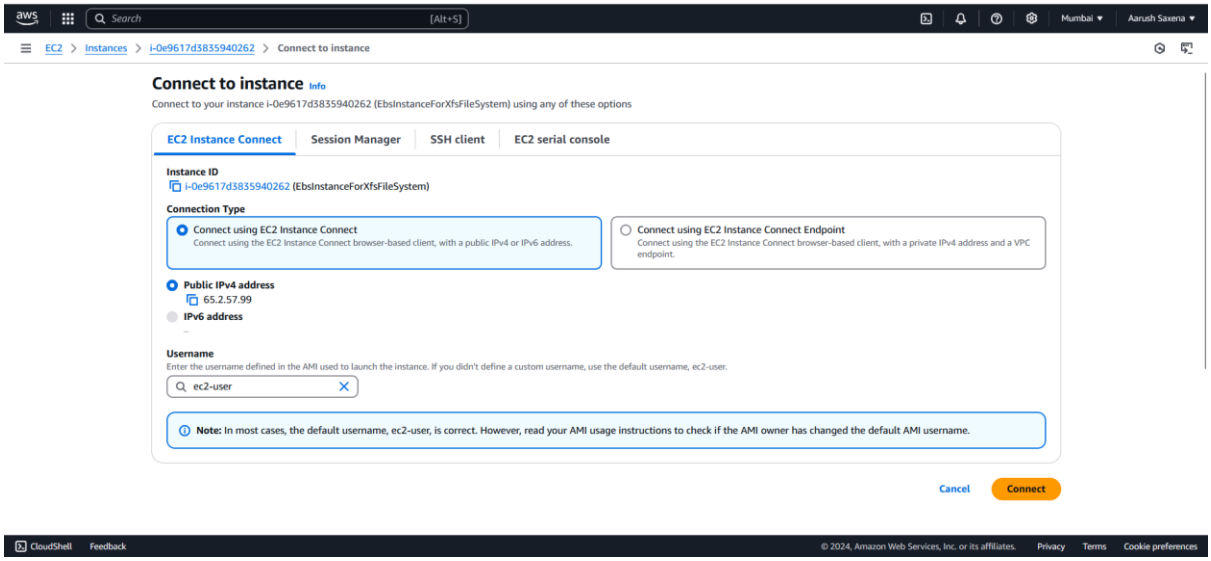

Search [Alt+S]
Mumbai
Aarush Saxena
EC2 > Instances > Launch an instance
Launch an instance Info
Amazon EC2 allows you to create virtual machines, or instances, that run on the AWS Cloud. Quickly get started by following the simple steps below.
Name and tags Info
Name
EbsInstanceForXfsFileSystem
Add additional tags
Application and OS Images (Amazon Machine Image) Info
An AMI is a template that contains the software configuration (operating system, application server, and applications) required to launch your instance. Search or Browse for AMIs if you don't see what you are looking for below
Search our full catalog including 1000s of application and OS images
Recents
Quick Start
Amazon Linux
macOS
Ubuntu
Windows
Red Hat
SUSE Linux
Browse more AMIs
Including AMIs from AWS, Marketplace and the Community
Amazon Machine Image (AMI)
Summary
Number of instances Info
1
Software Image (AMI)
Amazon Linux 2023 AMI 2023.6.2...read more
ami-0fd05997b4dff7aac
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 AMIs per month, 750 hours of public IPv4 address
Cancel
Launch instance
Preview code
CloudShell
Feedback
© 2024, Amazon Web Services, Inc. or its affiliates.
Privacy
Terms
Cookie preferences

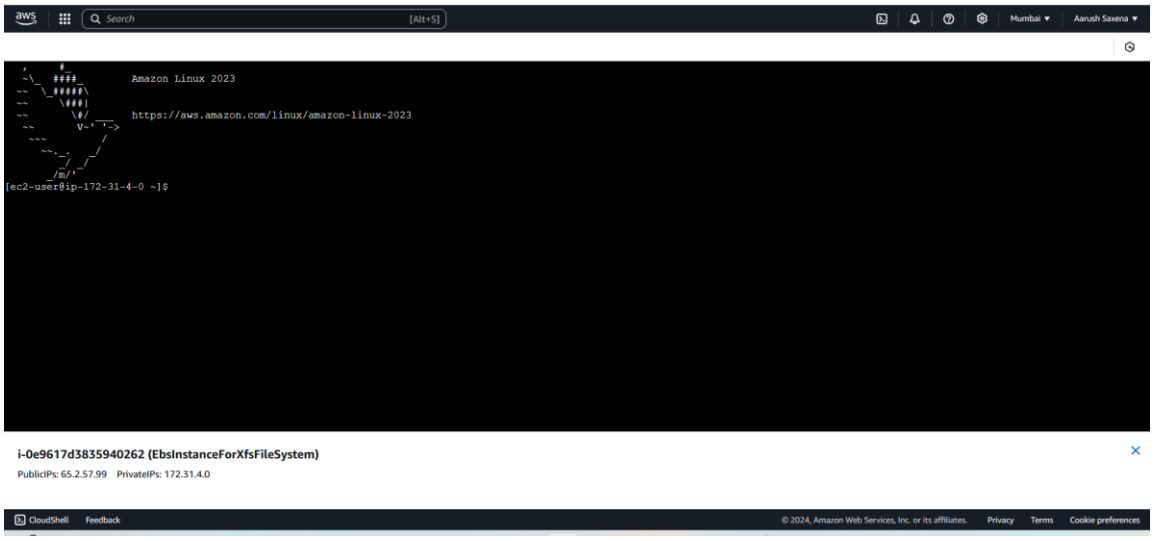

Search [Alt+S]
Mumbai
Aarush Saxena
EC2 > Instances > Launch an instance
Key pair (login) Info
You can use a key pair to securely connect to your instance. Ensure that you have access to the selected key pair before you launch the instance.
Key pair name - required
keyPair
Create new key pair
Network settings Info
Edit
Network Info
vpc-0b3e5f9d12a5a50a3
Subnet Info
No preference (Default subnet in any availability zone)
Auto-assign public IP Info
Enable
Additional charges apply when outside of free tier allowance
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
We'll create a new security group called 'launch-wizard-1' with the following rules:
Allow SSH traffic from
Helps you connect to your instance
Anywhere
0.0.0.0/0
Summary
Number of instances Info
1
Software Image (AMI)
Amazon Linux 2023 AMI 2023.6.2...read more
ami-0fd05997b4dff7aac
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 AMIs per month, 750 hours of public IPv4 address
Cancel
Launch instance
Preview code
CloudShell
Feedback
© 2024, Amazon Web Services, Inc. or its affiliates.
Privacy
Terms
Cookie preferences



Your instance is created now select it and click on connect button.

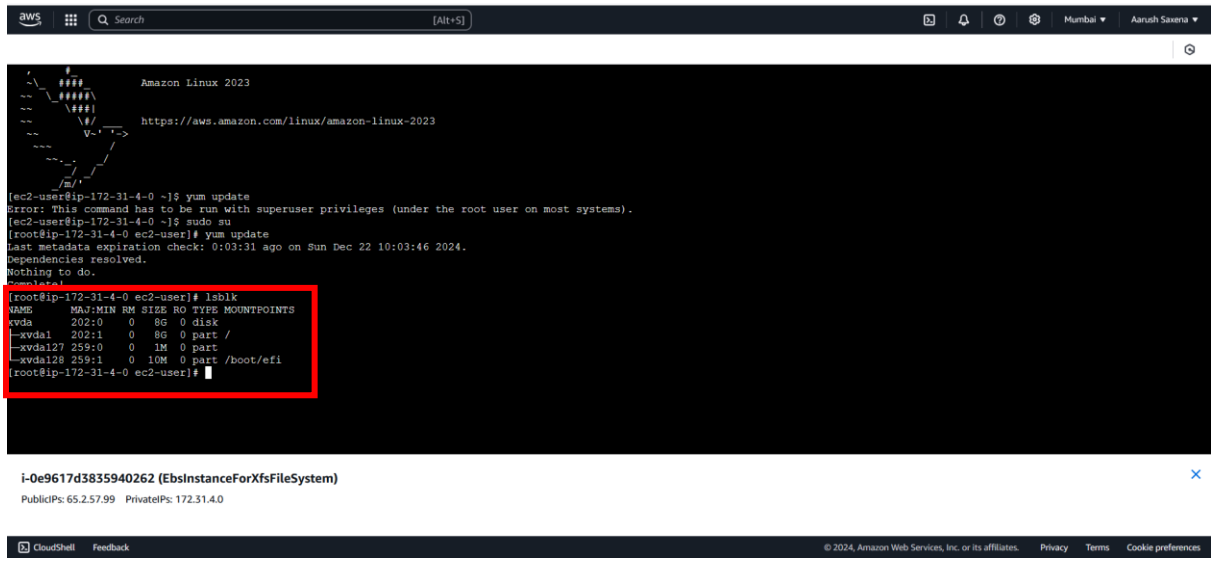
Connect it through ec2 connect.





Now type commands i.e:

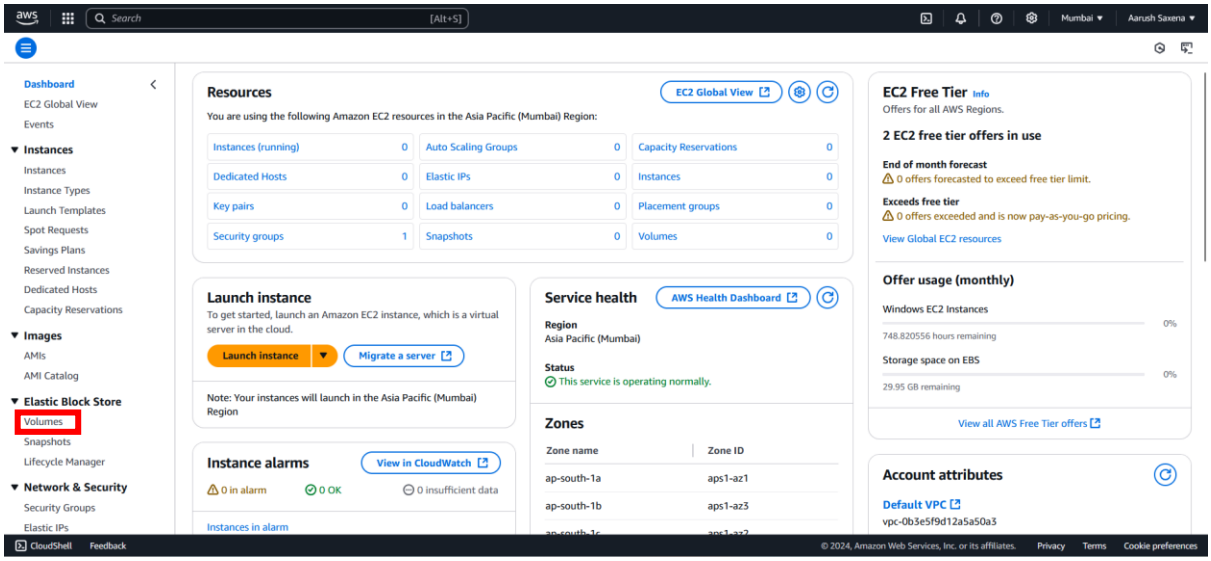
1. sudo su
2. yum update
3. lsblk



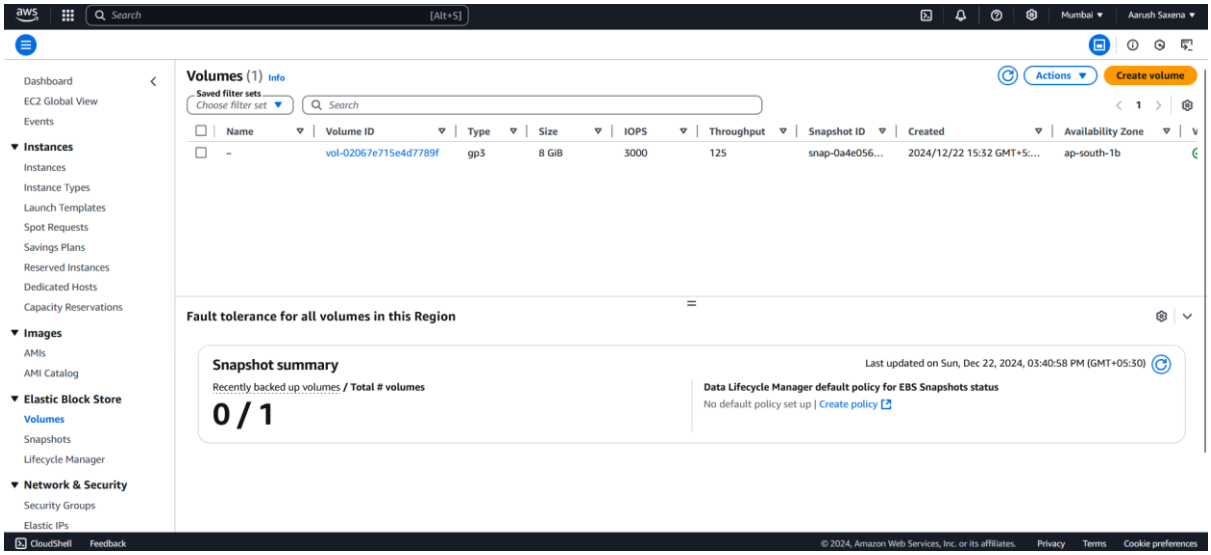
No volume is shown here because we have not attach it yet

To attach it go with step3.

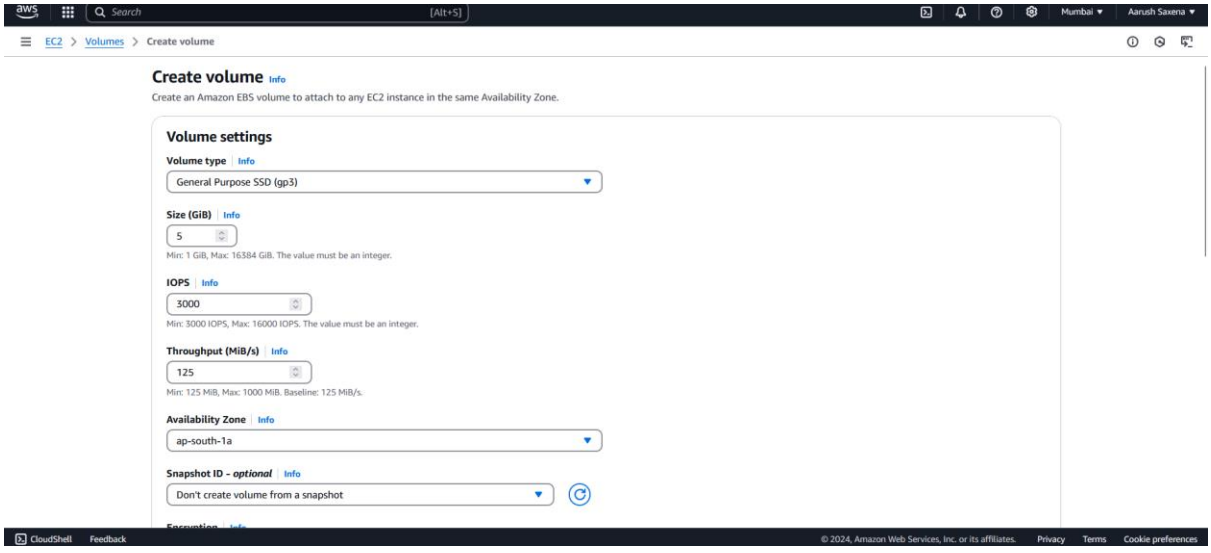
Step3: on the left side you can see elastic block store and there is volumes option click on it.



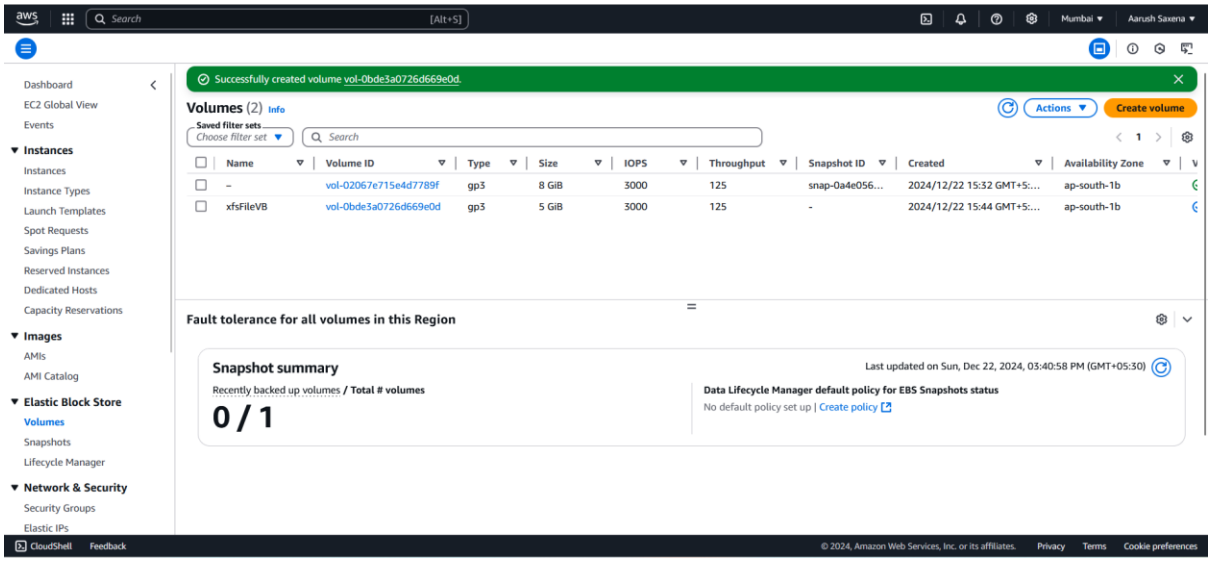
You can see your instance volume now we have to attach another volume with our instance. Click on create volume.



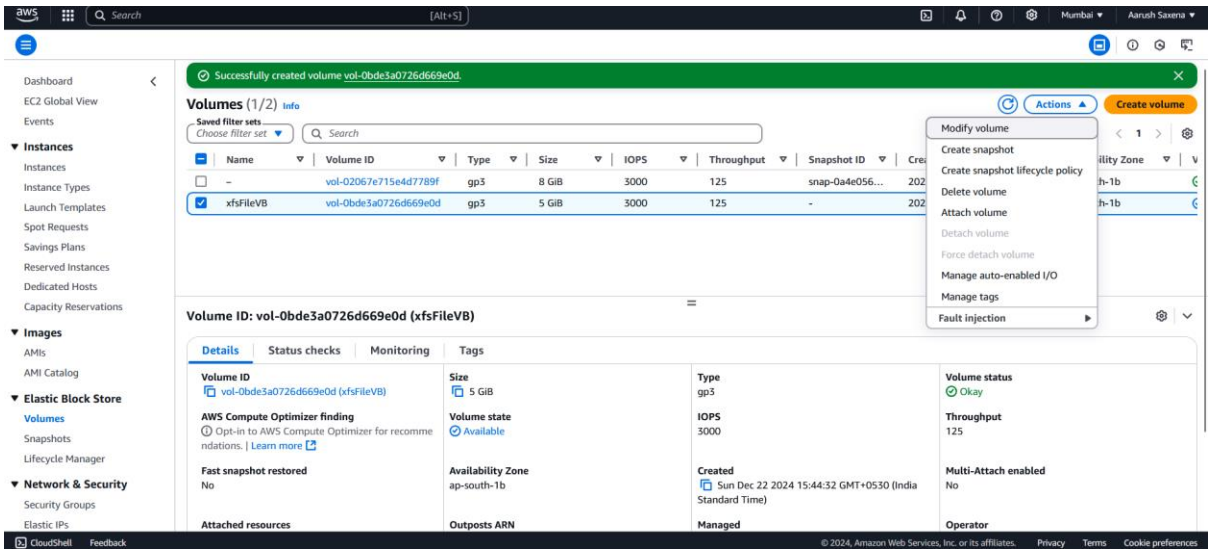
We are giving 5 gb of storage go with your requirements. But create it in same availability zone as instance availability zone.

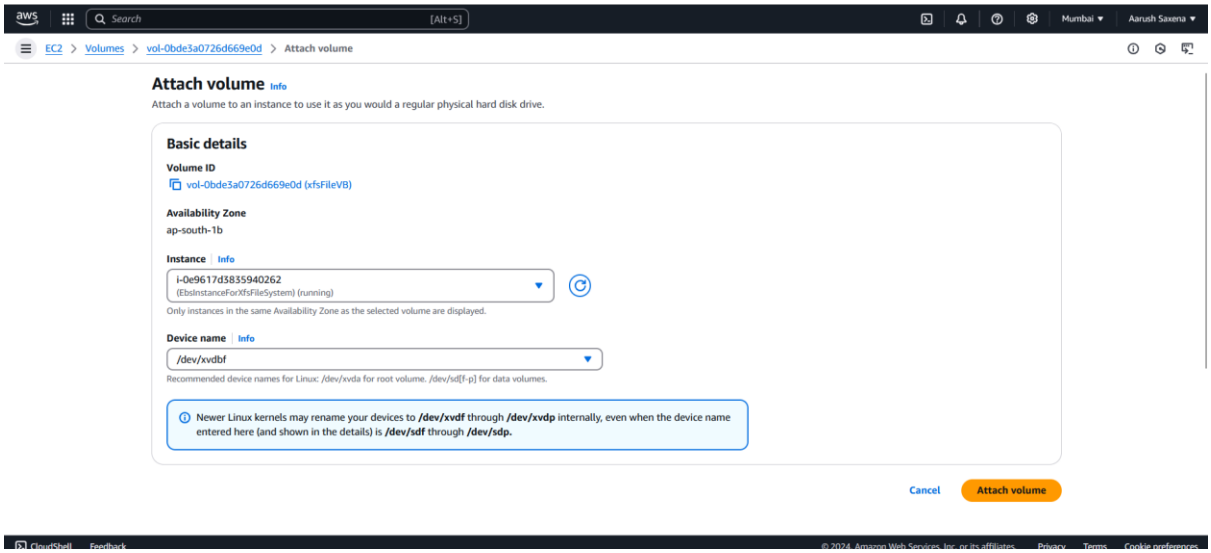


You can see your volume is created. Attach it with your instance for that go with step4.



Step4: select your volume and click on actions and click on attach volume.





Step5: go back to your aws ec2 connect.

And type command

1. lsblk
2. mkfs -t xfs /dev/xvdbf
3. cd ..
4. mkdir /volume
5. mount /dev/xvdbf /volume
6. file -s /dev/xvdbf(to check whether file is xfs or not)