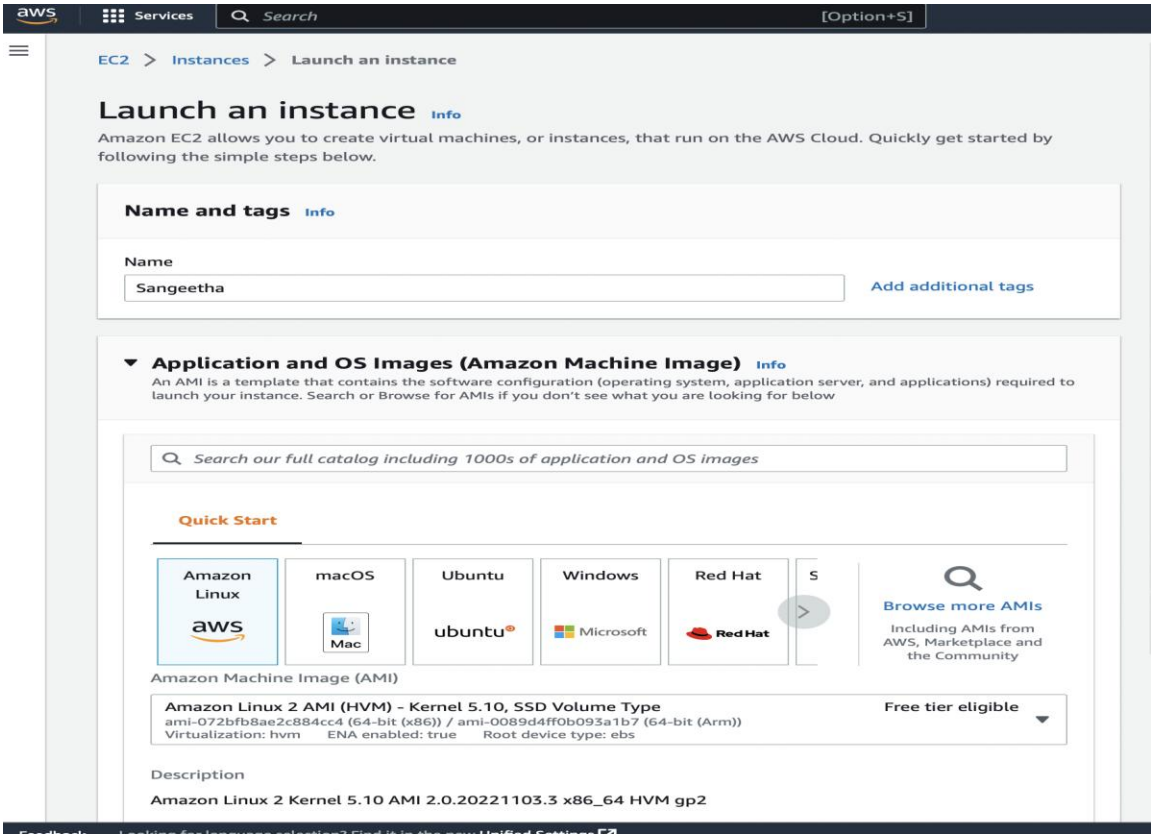
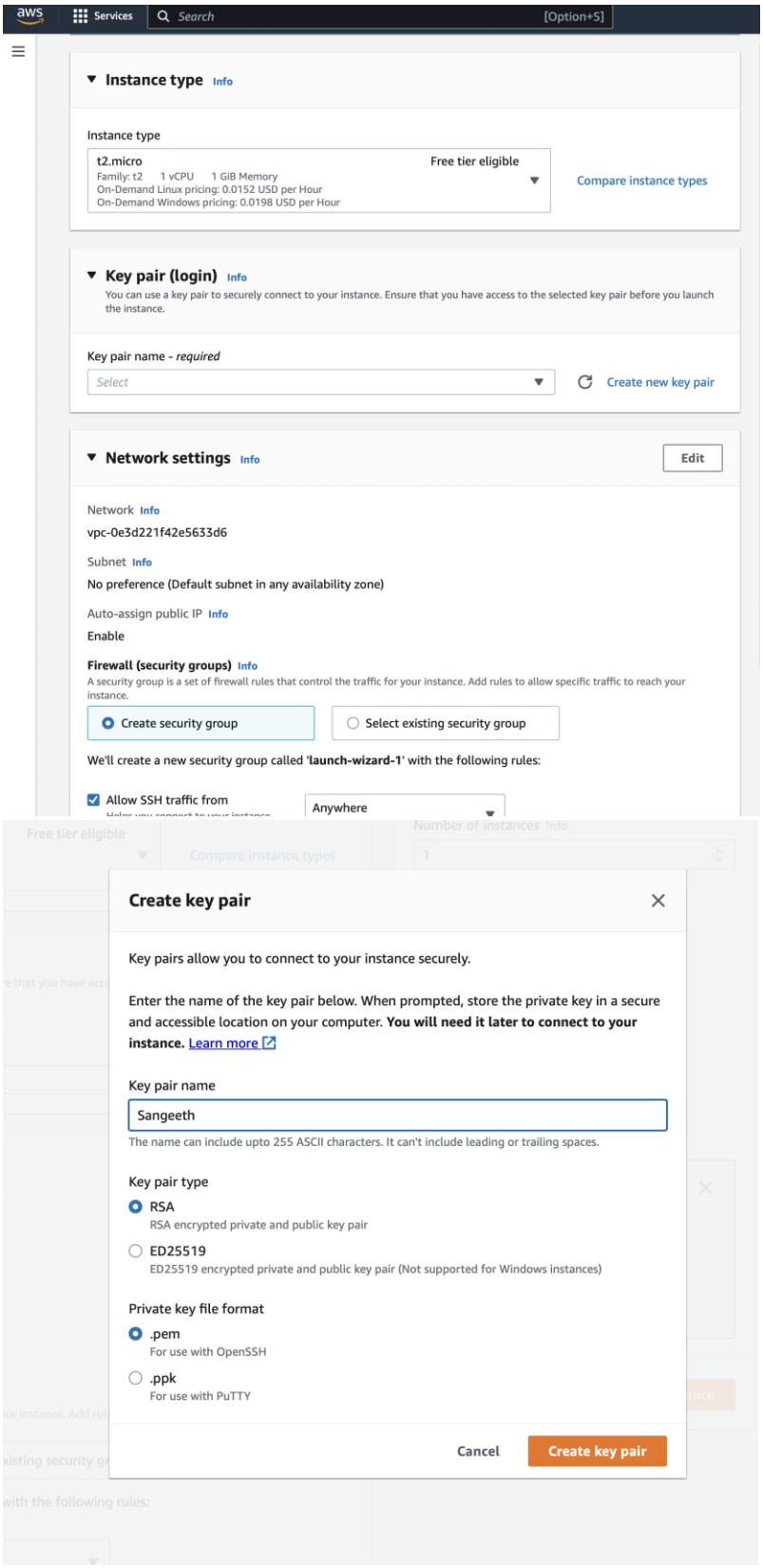
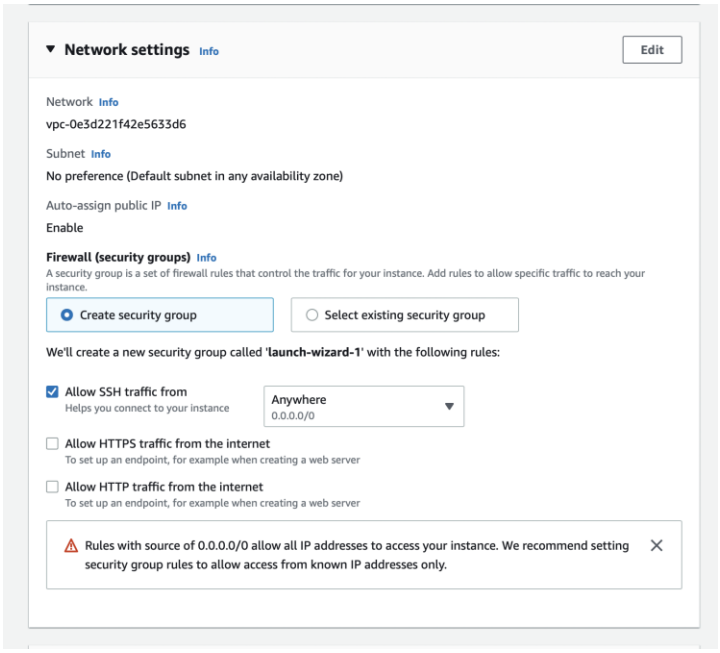
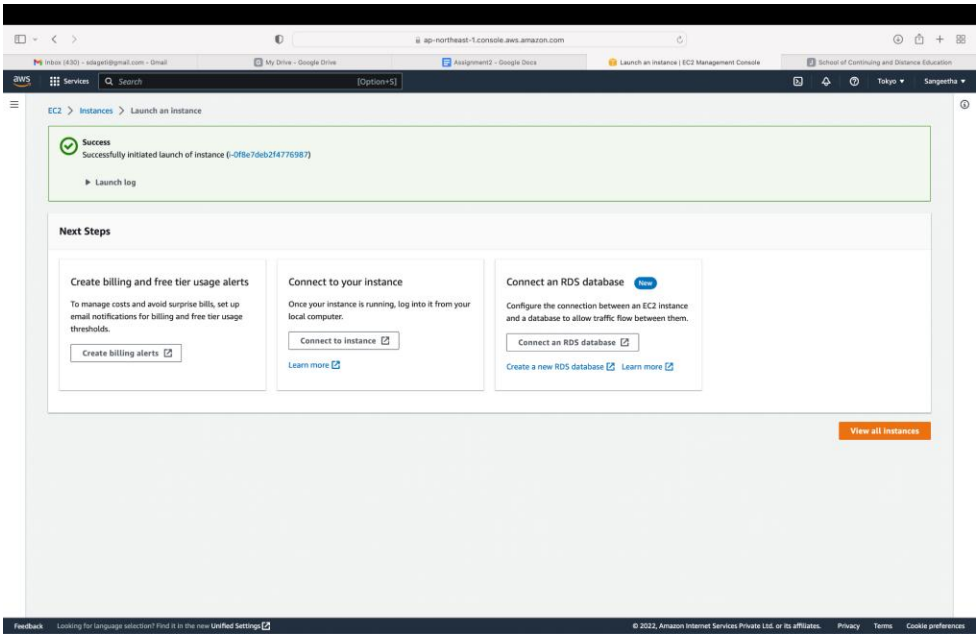
Create EC2 Instance:

Steps: Launch instance>enter name>choose AMI type>create a key pair and select it> create a security group and map it>click on launch



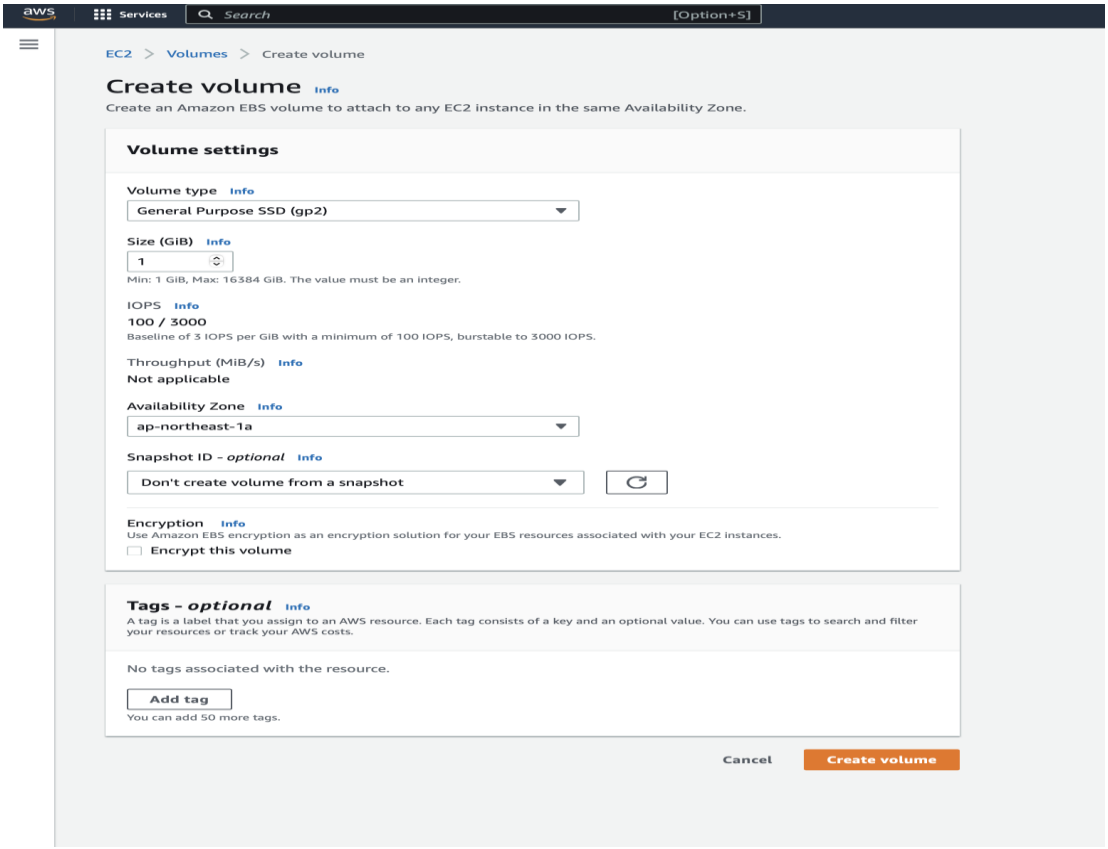

aws
Services
Search
[Option+S]
Instance type Info
Instance type
t2.micro
Free tier eligible
Family: t2 1 vCPU 1 GiB Memory
On-Demand Linux pricing: 0.0152 USD per Hour
On-Demand Windows pricing: 0.0198 USD per Hour
Compare instance types
Key pair (login) Info
You can use a key pair to securely connect to your instance. Ensure that you have access to the selected key pair before you launch the instance.
Key pair name - required
Select
Create new key pair
Network settings Info
Edit
Network Info
vpc-0e3d221f42e5633d6
Subnet Info
No preference (Default subnet in any availability zone)
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
We'll create a new security group called 'launch-wizard-1' with the following rules:
Allow SSH traffic from
Anywhere
Free tier eligible
Compare instance types
Number of instances Info
1
Create key pair
Key pairs allow you to connect to your instance securely.
Enter the name of the key pair below. When prompted, store the private key in a secure and accessible location on your computer. You will need it later to connect to your instance. Learn more
Key pair name
Sangeeth
The name can include upto 255 ASCII characters. It can't include leading or trailing spaces.
Key pair type
RSA
RSA encrypted private and public key pair
ED25519
ED25519 encrypted private and public key pair (Not supported for Windows instances)
Private key file format
.pem
For use with OpenSSH
.ppk
For use with PuTTY
Cancel
Create key pair

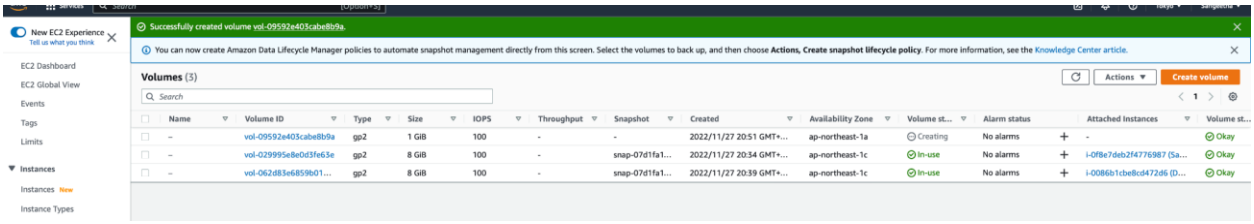

Network settings Info
Edit
Network Info
vpc-0e3d221f42e5633d6
Subnet Info
No preference (Default subnet in any availability zone)
Auto-assign public IP Info
Enable
Firewall (security groups) Info
A security group is a set of firewall rules that control the traffic for your instance. Add rules to allow specific traffic to reach your instance.
Create security group
Select existing security group
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
Allow HTTPS traffic from the internet
To set up an endpoint, for example when creating a web server
Allow HTTP traffic from the internet
To set up an endpoint, for example when creating a web server
Rules with source of 0.0.0.0/0 allow all IP addresses to access your instance. We recommend setting security group rules to allow access from known IP addresses only.


ap-northeast-1.console.aws.amazon.com
Services
Search
[Option+S]
Tokyo
Sangeetha
EC2 > Instances > Launch an instance
Success
Successfully initiated launch of instance (i-0f8e7deb2f4776987)
Launch log
Next Steps
Create billing and free tier usage alerts
To manage costs and avoid surprise bills, set up email notifications for billing and free tier usage thresholds.
Create billing alerts
Connect to your instance
Once your instance is running, log into it from your local computer.
Connect to instance
Learn more
Connect an RDS database
New
Configure the connection between an EC2 instance and a database to allow traffic flow between them.
Connect an RDS database
Create a new RDS database
Learn more
View all instances
Feedback
Looking for language selection? Find it in the new Unified Settings
© 2022, Amazon Internet Services Private Ltd. or its affiliates.
Privacy
Terms
Cookie preferences

Create Elastic Block Store

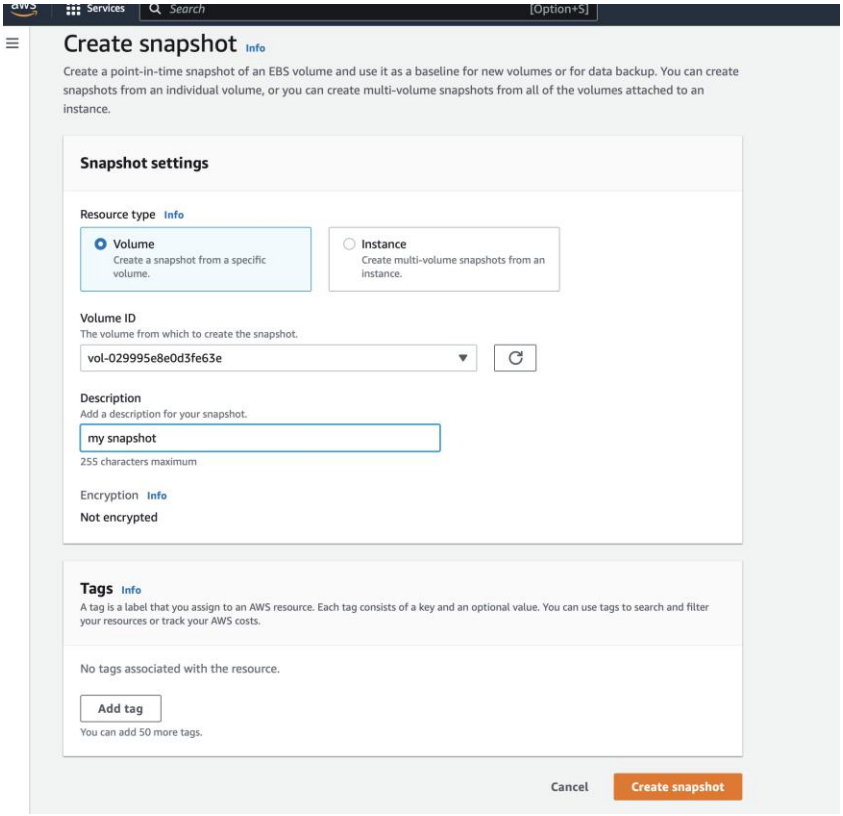
Steps: go to EC2 instance>select volumes>create volume>volume type>choose size>create

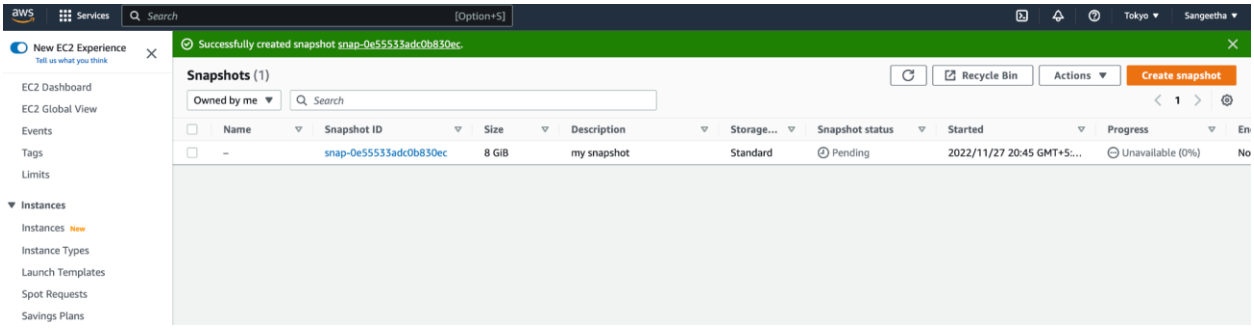




Snapshot Screenshot creation

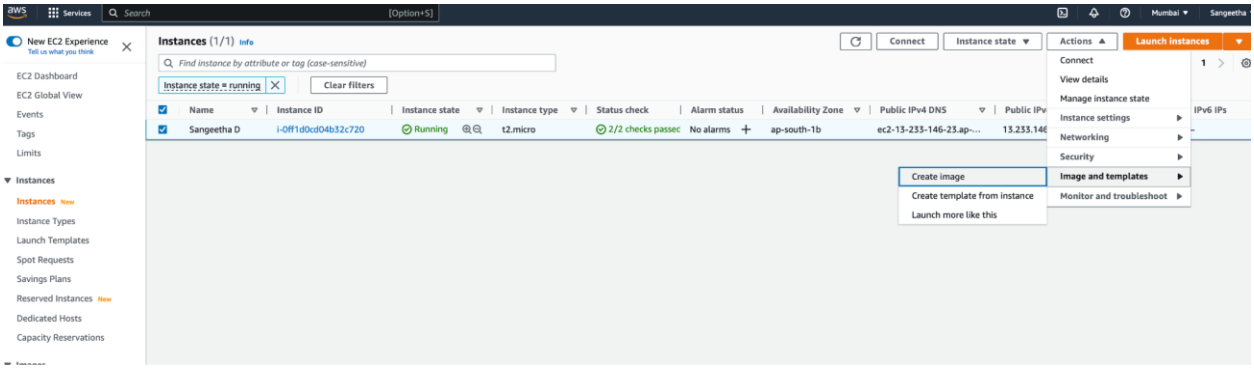
Steps: create a snapshot>select volume>name>click on create snapshot

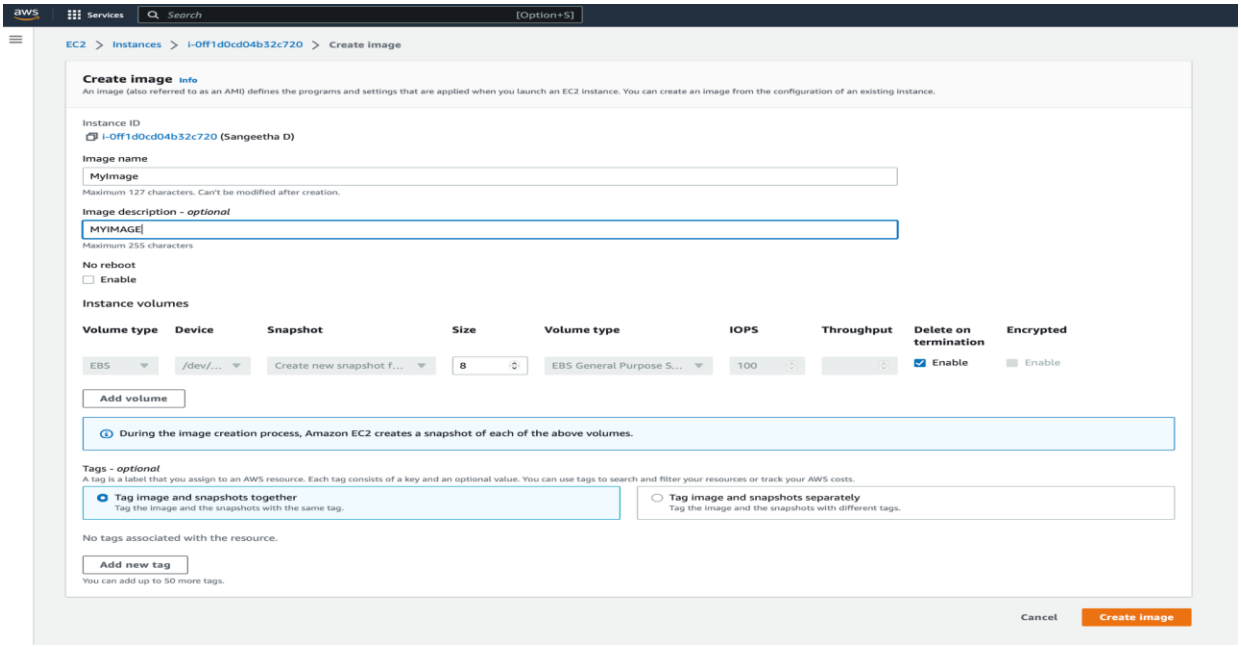


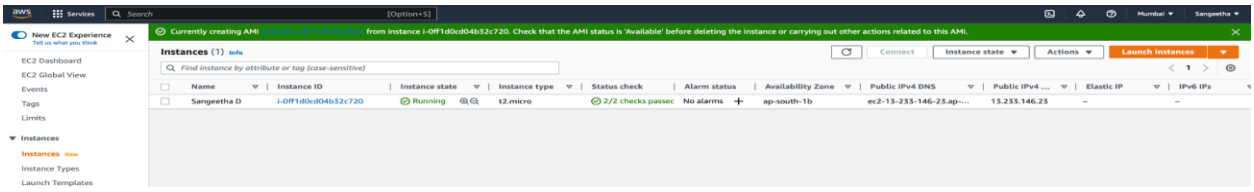


AMI Creation

Steps:go to instance>actions>click image and snapshot>create image>image name>create

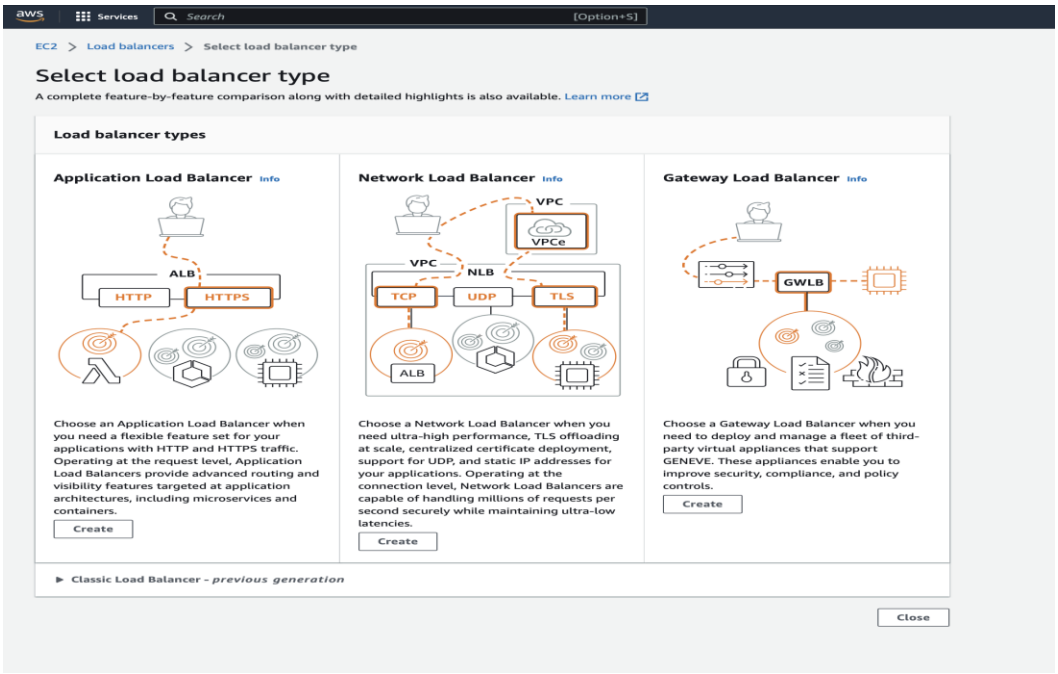


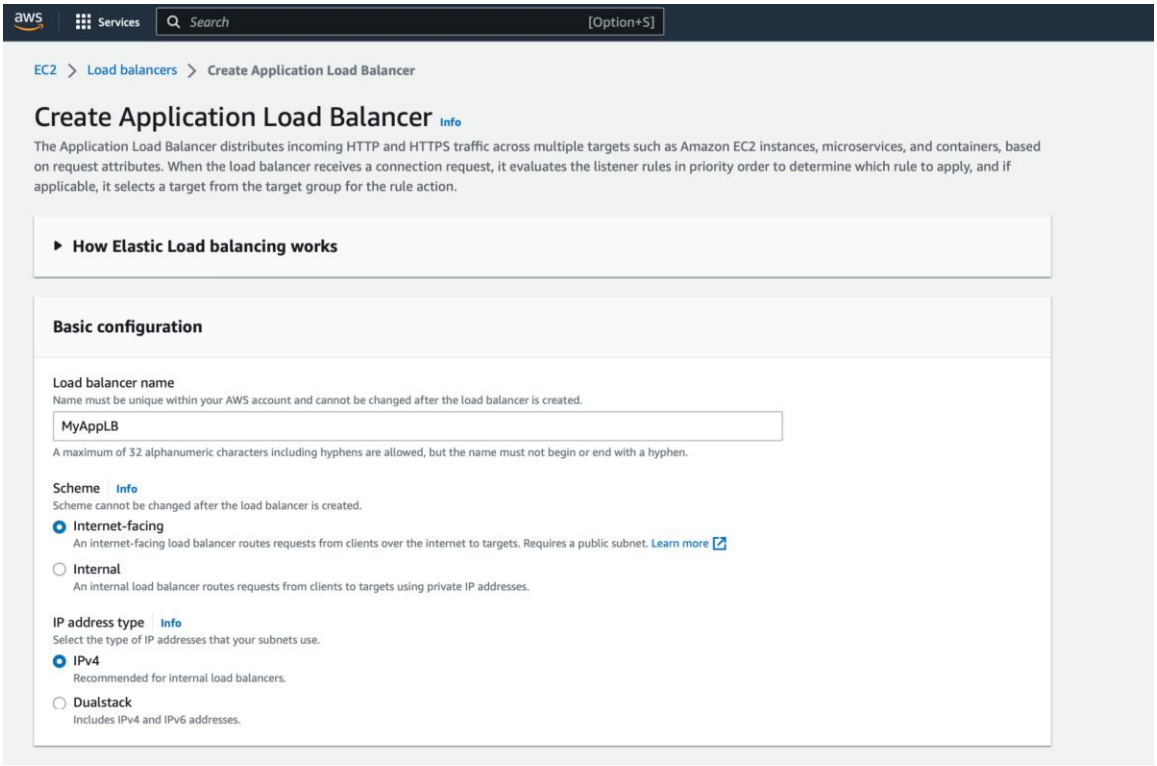


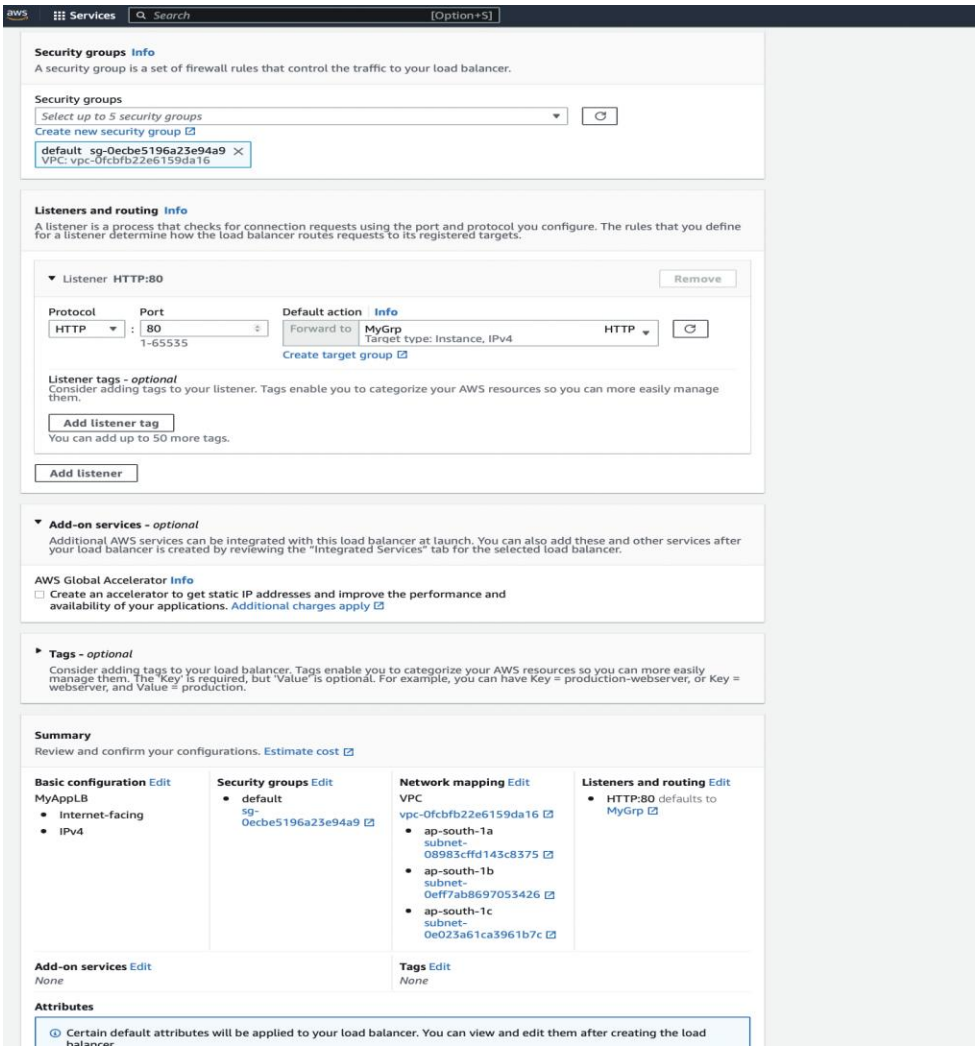


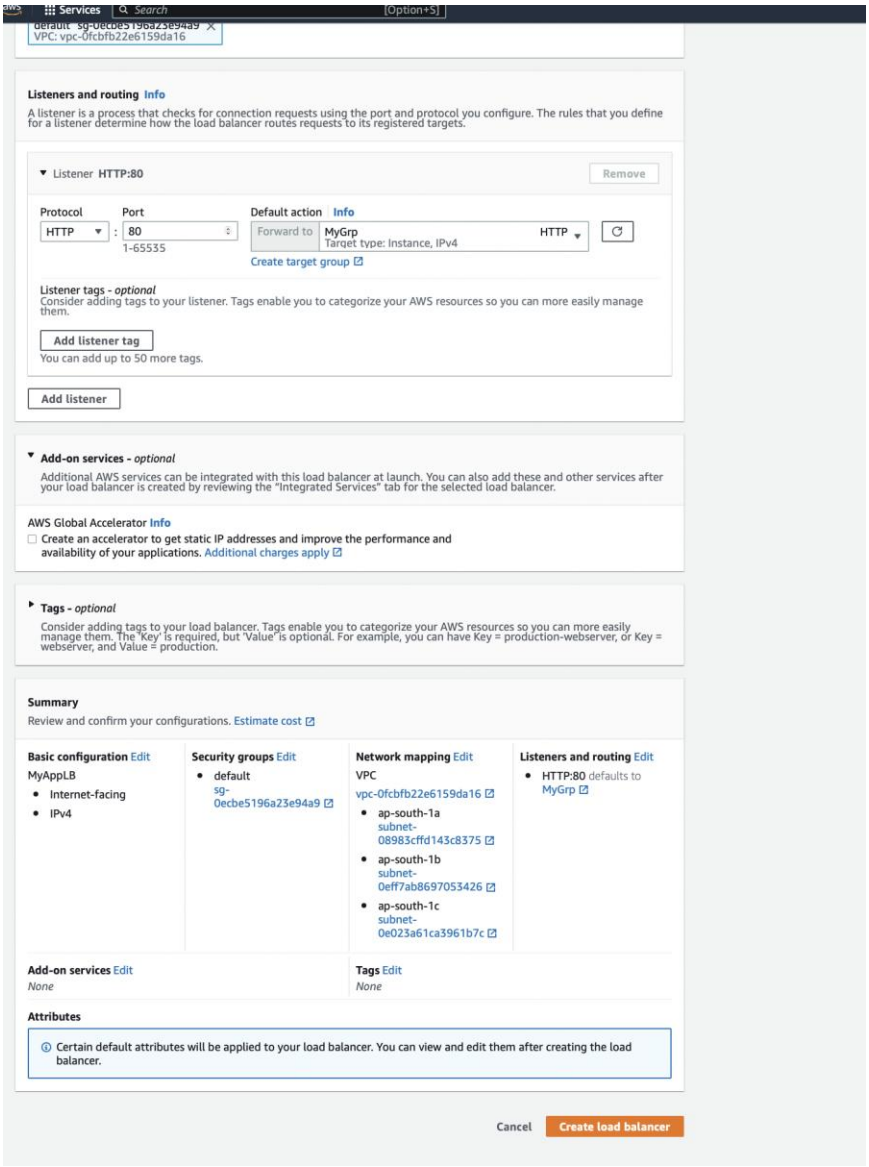
Load Balancer creation

Steps:create a application LB>name>select subnet>protocol>create






aws
Services
Search
[Option+S]
Security groups Info
A security group is a set of firewall rules that control the traffic to your load balancer.
Security groups
Select up to 5 security groups
Create new security group
default sg-0ecbe5196a23e94a9
VPC: vpc-0fcbfb22e6159da16
Listeners and routing Info
A listener is a process that checks for connection requests using the port and protocol you configure. The rules that you define for a listener determine how the load balancer routes requests to its registered targets.
Listener HTTP:80
Remove
Protocol
Port
Default action Info
HTTP
80
1-65535
Forward to
MyGrp
Target type: Instance, IPv4
HTTP
Create target group
Listener tags - optional
Consider adding tags to your listener. Tags enable you to categorize your AWS resources so you can more easily manage them.
Add listener tag
You can add up to 50 more tags.
Add listener
Add-on services - optional
Additional AWS services can be integrated with this load balancer at launch. You can also add these and other services after your load balancer is created by reviewing the "Integrated Services" tab for the selected load balancer.
AWS Global Accelerator Info
Create an accelerator to get static IP addresses and improve the performance and availability of your applications. Additional charges apply
Tags - optional
Consider adding tags to your load balancer. Tags enable you to categorize your AWS resources so you can more easily manage them. The 'Key' is required, but 'Value' is optional. For example, you can have Key = production-webserver, or Key = webserver, and Value = production.
Summary
Review and confirm your configurations. Estimate cost
Basic configuration Edit
MyAppLB
Internet-facing
IPv4
Security groups Edit
default
sg-0ecbe5196a23e94a9
Network mapping Edit
VPC
vpc-0fcbfb22e6159da16
ap-south-1a
subnet-08983cffd143c8375
ap-south-1b
subnet-0eff7ab8697053426
ap-south-1c
subnet-0e023a61ca3961b7c
Listeners and routing Edit
HTTP:80 defaults to MyGrp
Add-on services Edit
None
Tags Edit
None
Attributes
Certain default attributes will be applied to your load balancer. You can view and edit them after creating the load balancer


Services
Search
[Option+S]
default sg-0ecbe5196a23e94a9
VPC: vpc-0fcbfb22e6159da16
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Protocol
HTTP
Port
80
1-65535
Default action Info
Forward to
MyGrp
Target type: Instance, IPv4
HTTP
Create target group
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Review and confirm your configurations. Estimate cost
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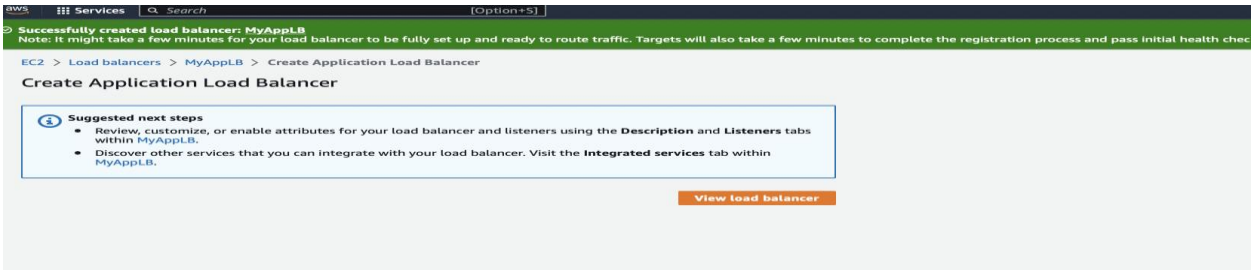
default
sg-0ecbe5196a23e94a9
Network mapping Edit
VPC
vpc-0fcbfb22e6159da16
ap-south-1a
subnet-08983cffd143c8375
ap-south-1b
subnet-0eff7ab8697053426
ap-south-1c
subnet-0e023a61ca3961b7c
Listeners and routing Edit
HTTP:80 defaults to MyGrp
Add-on services Edit
None
Tags Edit
None
Attributes
Certain default attributes will be applied to your load balancer. You can view and edit them after creating the load balancer.
Cancel
Create load balancer


Services
Search
[Option+S]
Successfully created load balancer: MyAppLB
Note: It might take a few minutes for your load balancer to be fully set up and ready to route traffic. Targets will also take a few minutes to complete the registration process and pass initial health chec
EC2 > Load balancers > MyAppLB > Create Application Load Balancer
Create Application Load Balancer
Suggested next steps
Review, customize, or enable attributes for your load balancer and listeners using the Description and Listeners tabs within MyAppLB.
Discover other services that you can integrate with your load balancer. Visit the Integrated services tab within MyAppLB.
View load balancer