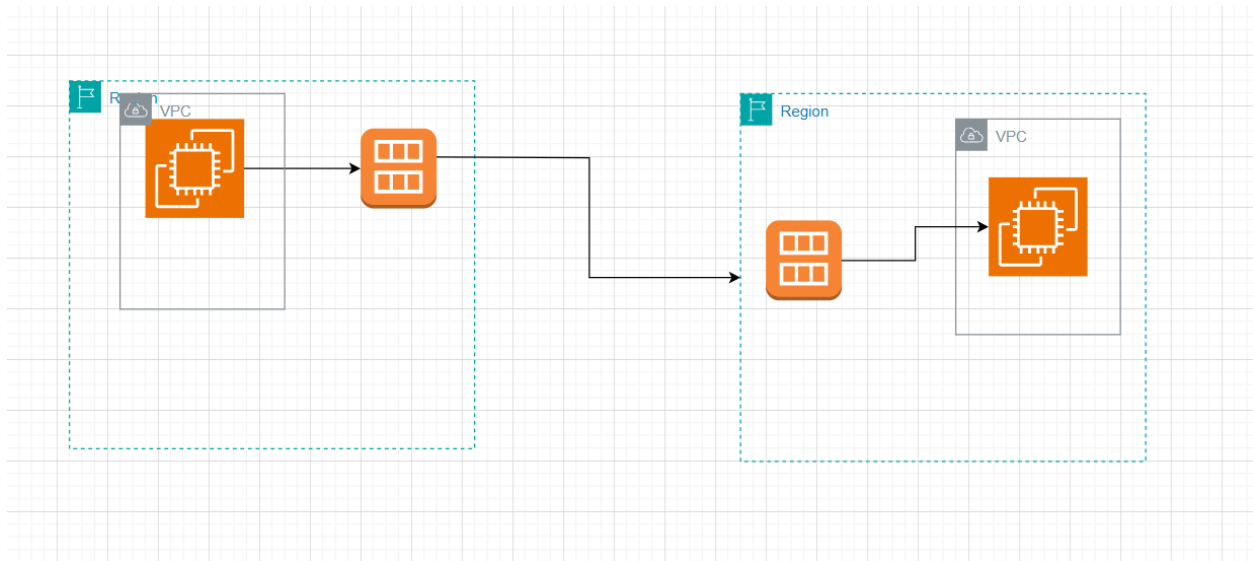


How to take backup of EC2 from one region and run to other region ?



1 – First we create an EC2 instance in N.VIRGINIA (us-east-1) .

The screenshot shows the AWS Management Console for the US East (N. Virginia) region. The top navigation bar includes various AWS services like CloudWatch, IAM, S3, DynamoDB, VPC, ElastiCache, EFS, RDS, Amazon Redshift, CloudFormation, Athena, Elastic Beanstalk, AWS Auto Scaling, and AWS. The main content area is divided into several sections:

- Resources:** A table showing the usage of various EC2 resources in the US East (N. Virginia) region. The table has columns for the resource type and its count.
- Launch instance:** A section with a description of launching an EC2 instance and buttons for "Launch instance" and "Migrate a server".
- Service health:** A section showing the status of the EC2 service in the US East (N. Virginia) region, indicating it is operating normally.
- EC2 Free Tier:** A section showing the usage of the EC2 Free Tier, including the number of offers in use and the end of month forecast.
- Offer usage (monthly):** A section showing the usage of various EC2 offers, including Linux EC2 Instances, Windows EC2 Instances, and EBS:SnapshotUsage.

EC2 > Instances > Launch an instance

Launch an instance

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

Name

Backup

Add additional tags

Application and OS Images (Amazon Machine Image)

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

Q Search our full catalog including 1000s of application and OS images

Recents

Quick Start

Amazon Linux

macOS

Ubuntu

Windows

Red Hat

SUSE Linux

Debian

Browse more AMIs

Including AMIs from AWS, Marketplace and the Community

Summary

Number of instances

1

Software Image (AMI)

Amazon Linux 2023 AMI 2023.6.2...read more

ami-01816d07b1128cd2d

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

Cancel

Launch instance

Preview code

EC2 > Instances > Launch an instance

Instance type

Info | Get advice

Instance type

t2.micro

Family: t2 1 vCPU 1 GiB Memory Current generation: true

On-Demand Windows base pricing: 0.0162 USD per Hour

On-Demand Ubuntu Pro base pricing: 0.0134 USD per Hour

On-Demand SUSE base pricing: 0.0116 USD per Hour On-Demand RHEL base pricing: 0.026 USD per Hour

On-Demand Linux base pricing: 0.0116 USD per Hour

Free tier eligible

All generations

Compare instance types

Additional costs apply for AMIs with pre-installed software

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

jan2

Create new key pair

Network settings

Info

Network

Info

vpc-067409b5122bc64b5

Subnet

Info

Edit

Description - required [Info](#)

launch-wizard-91 created 2025-01-09T05:07:45.797Z

Inbound Security Group Rules

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

Remove

Type [Info](#)

ssh

Protocol [Info](#)

TCP

Port range [Info](#)

22

Source type [Info](#)

Anywhere

Source [Info](#)

Add CIDR, prefix list or security group

0.0.0.0/0

Description - optional [Info](#)

e.g. SSH for admin desktop

Security group rule 2 (All, All, 0.0.0.0/0)

Remove

Type [Info](#)

All traffic

Protocol [Info](#)

All

Port range [Info](#)

All

Source type [Info](#)

Anywhere

Source [Info](#)

Add CIDR, prefix list or security group

0.0.0.0/0

Description - optional [Info](#)

e.g. SSH for admin desktop

Summary

Number of instances [Info](#)

1

Software Image (AMI)

Amazon Linux 2023 AMI 2023.6.2...[read more](#)

ami-01816d07b1128cd2d

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

Cancel



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.

×

Add security group rule

Configure storage [Info](#)

Advanced

1x 8 GiB gp3 Root volume 3000 IOPS (Not encrypted)

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

×

Add new volume

Click refresh to view backup information

The tags that you assign determine whether the instance will be backed up by any Data Lifecycle Manager policies.

↻

0 x File systems

Edit

Summary

Number of instances [Info](#)

1

Software Image (AMI)

Amazon Linux 2023 AMI 2023.6.2...[read more](#)

ami-01816d07b1128cd2d

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

×

Cancel

Launch instance

Preview code

[Alt+S]

United States (N. Virginia)
amal225

CloudWatch IAM S3 DynamoDB VPC ElastiCache EFS RDS Amazon Redshift CloudFormation Athena Elastic Beanstalk AWS Auto Scaling AWS

Instances (1) [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 IP
<input type="checkbox"/>	Backup	i-0bfaea7a26b886904	Running	t2.micro	Initializing	View alarms +	us-east-1a	ec2-

2 – Then after go instance click, and go to action button, go to images and templates ,click to create image .

The screenshot shows the AWS Management Console interface. At the top, there's a navigation bar with various AWS services icons. The main content area is titled 'Instances (1/1) Info'. It contains a table with one instance, 'Backup', with ID 'i-Obfaea7a26b886904', in a 'Running' state, using 't2.micro' instance type. The 'Actions' button is clicked, opening a dropdown menu. The 'Image and templates' option is selected, which opens a sub-menu with three options: 'Create image', 'Create template from instance', and 'Launch more like this'.

Fill all details and click to create .

The screenshot shows the 'Create image' page in the AWS Management Console. The page is titled 'Create image Info'. It contains a form with the following fields and options:

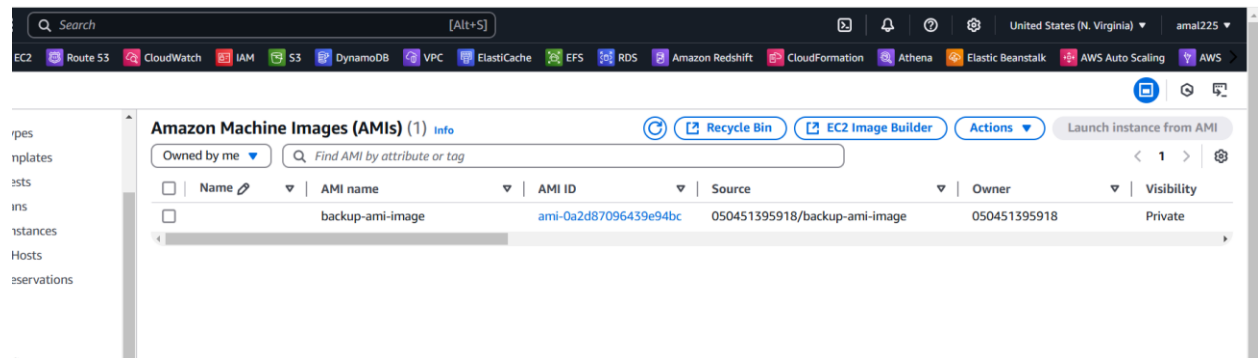
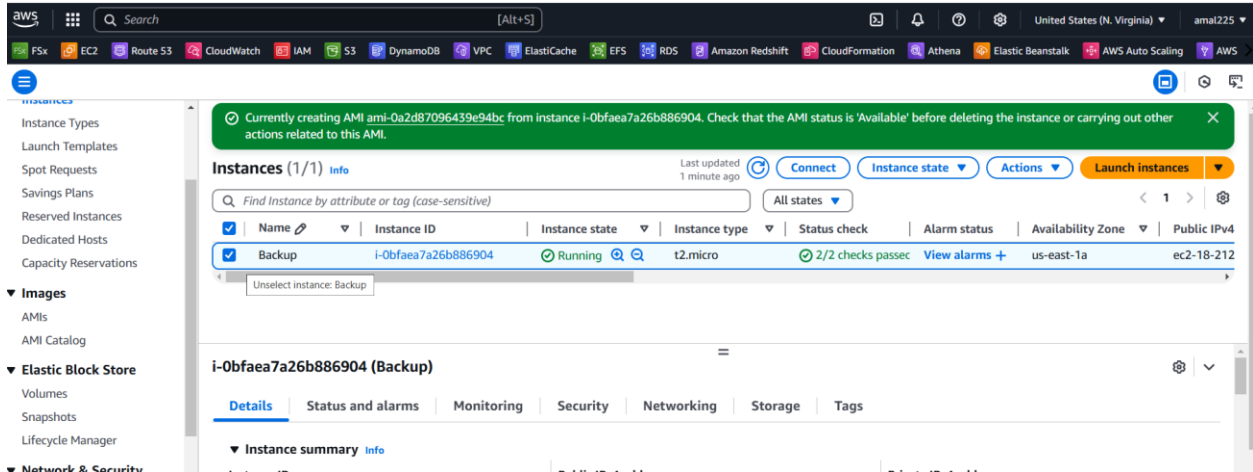
- Instance ID:** i-Obfaea7a26b886904 (Backup)
- Image name:** backup-ami-image (Maximum 127 characters. Can't be modified after creation.)
- Image description - optional:** Image description (Maximum 255 characters)
- Reboot instance:** ☒ (When selected, Amazon EC2 reboots the instance so that data is at rest when snapshots of the attached volumes are taken. This ensures data consistency.)
- Instance volumes:** A table with columns: Storage type, Device, Snapshot, Size, Volume type, IOPS, Throughput, Delete on termination, Encrypted.
- Storage type:** EBS
- Device:** /dev...
- Snapshot:** Create new snapshot fr...
- Size:** 8
- Volume type:** EBS General Purpose SS...
- IOPS:** 3000
- Throughput:**
- Delete on termination:** ☒ Enable
- Encrypted:** ☐ Enable

At the bottom, there are two radio buttons for tagging:

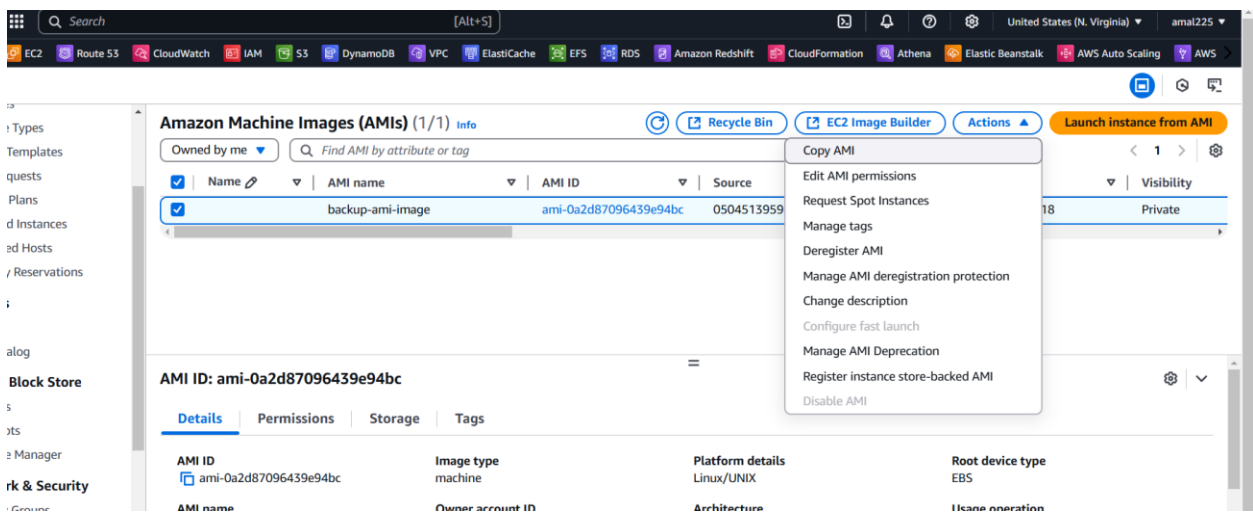
- ☒ Tag image and snapshots together (Tag the image and the snapshots with the same tag.)
- ☐ Tag image and snapshots separately (Tag the image and the snapshots with different tags.)

There are also links for 'Add volume', 'Add new tag', 'Cancel', and 'Create image'.

3- Go to Image in AMI check your image will be created .



4- click to ami and go to action button , click copy ami.



Fill all details like which region you send it ami .

EC2 > AMIs > ami-0a2d87096439e94bc > Copy AMI

Copy AMI

Info

Create a copy of an Amazon Machine Image in a Region.

Copy Amazon Machine Image (AMI)

Original AMI ID

ami-0a2d87096439e94bc

AMI copy name

backup-ami-image

AMI copy description

[Copied ami-0a2d87096439e94bc from us-east-1] backup-ami-image

Destination Region

A copy of the original AMI will be created in the destination Region.

Asia Pacific (Mumbai)

☐ Copy tags

Includes your user-defined AMI tags when copying the AMI.

☐ Encrypt EBS snapshots of AMI copy

Encrypts all snapshots in the AMI copy with the same key.

EC2 > AMIs > ami-0a2d87096439e94bc > Copy AMI

Destination region

A copy of the original AMI will be created in the destination Region.

Asia Pacific (Mumbai)

☐ Copy tags

Includes your user-defined AMI tags when copying the AMI.

☐ Encrypt EBS snapshots of AMI copy

Encrypts all snapshots in the AMI copy with the same key.

Tags - optional

A tag is a label that you assign to an AWS resource. Each tag consists of a key and an optional value. You can use tags to search and filter your resources or track your AWS costs.

☒ Tag image and snapshots together

Tag the image and the snapshots with the same tag.

☐ Tag image and snapshots separately

Tag the image and the snapshots with different tags.

No tags associated with the resource.

Add new tag

You can add up to 50 more tags.

Cancel

Copy AMI

VS

Search

[Alt+S]

United States (N. Virginia)

arnal225

FSx EC2 Route 53 CloudWatch IAM S3 DynamoDB VPC ElastiCache EFS RDS Amazon Redshift CloudFormation Athena Elastic Beanstalk AWS Auto Scaling AWS

instance Types Launch Templates Spot Requests Savings Plans Reserved Instances Dedicated Hosts Capacity Reservations

images

AMIs

AMI Catalog

Elastic Block Store

volumes

Snapshots

AMI copy operation for ami-0a2d87096439e94bc initiated

It can take a few minutes for the AMI to be copied. You can check the progress of the operation in the AMI table in ap-south-1. The AMI ID of the new AMI is ami-09d2b7bffa48b7c48.

Amazon Machine Images (AMIs) (1/1) Info

Owned by me Find AMI by attribute or tag

	Name	AMI name	AMI ID	Source	Owner	Visibility
<input checked="" type="checkbox"/>	backup-ami-image		ami-0a2d87096439e94bc	050451395918/backup-ami-image	050451395918	Private

AMI ID: ami-0a2d87096439e94bc

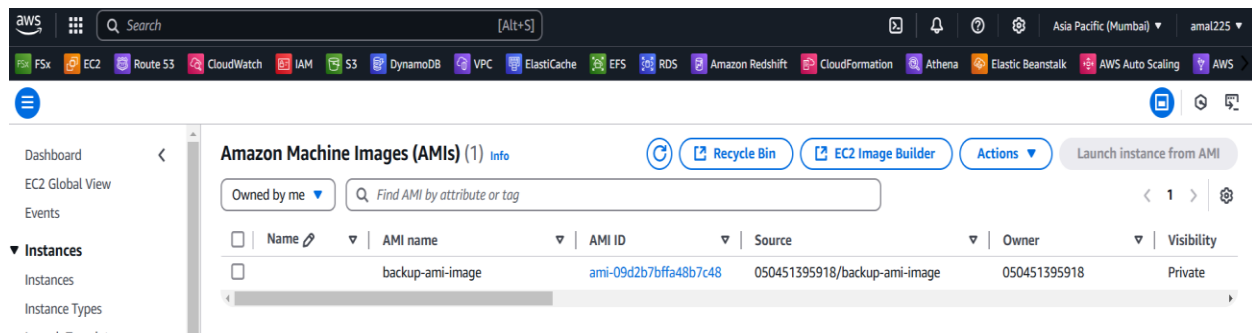
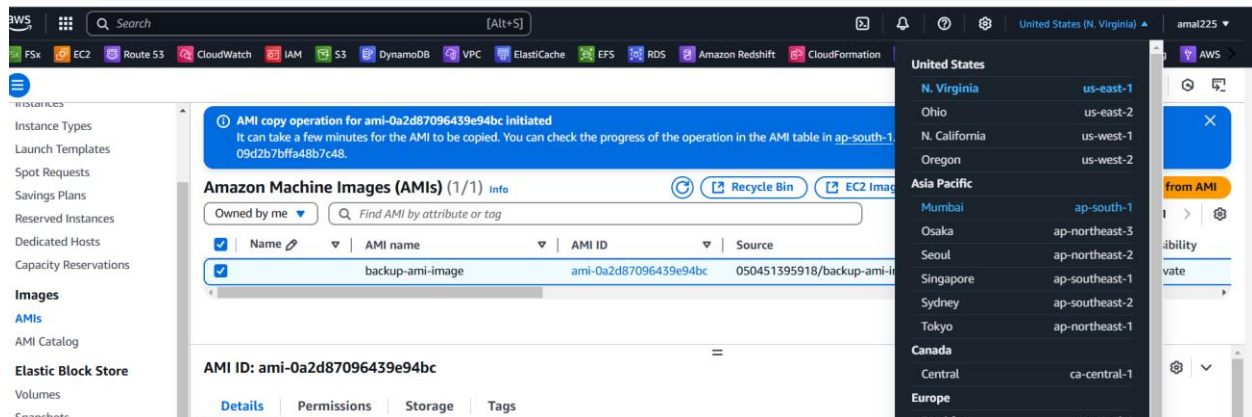
Details

Permissions

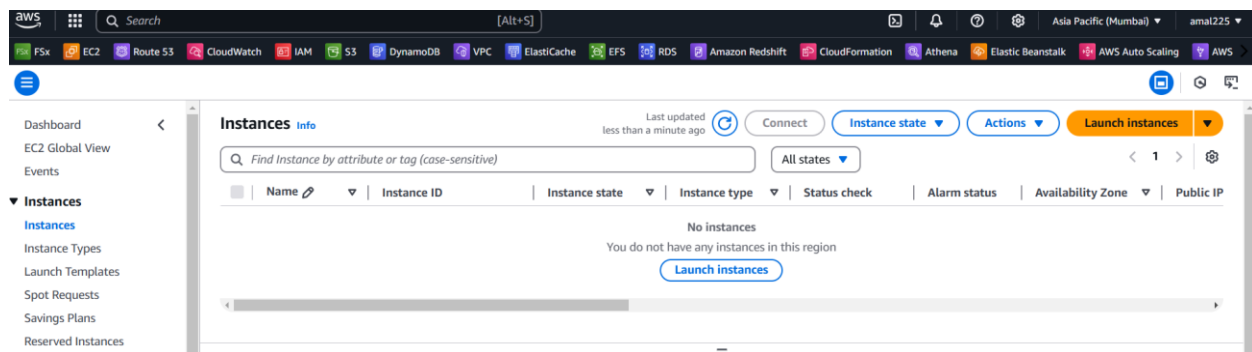
Storage

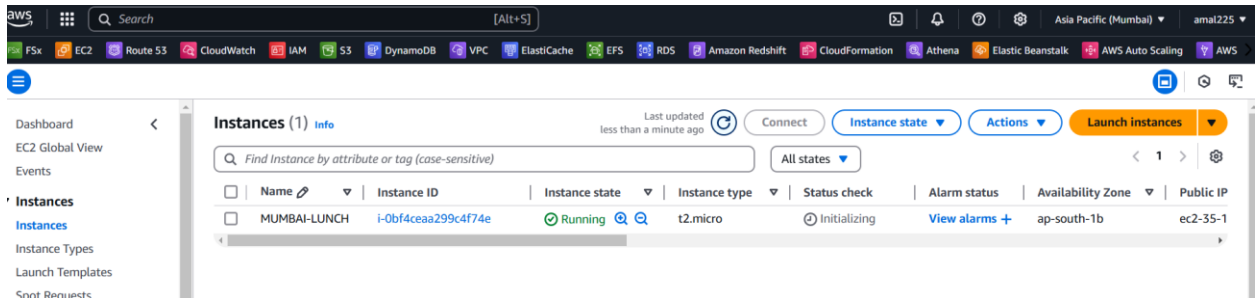
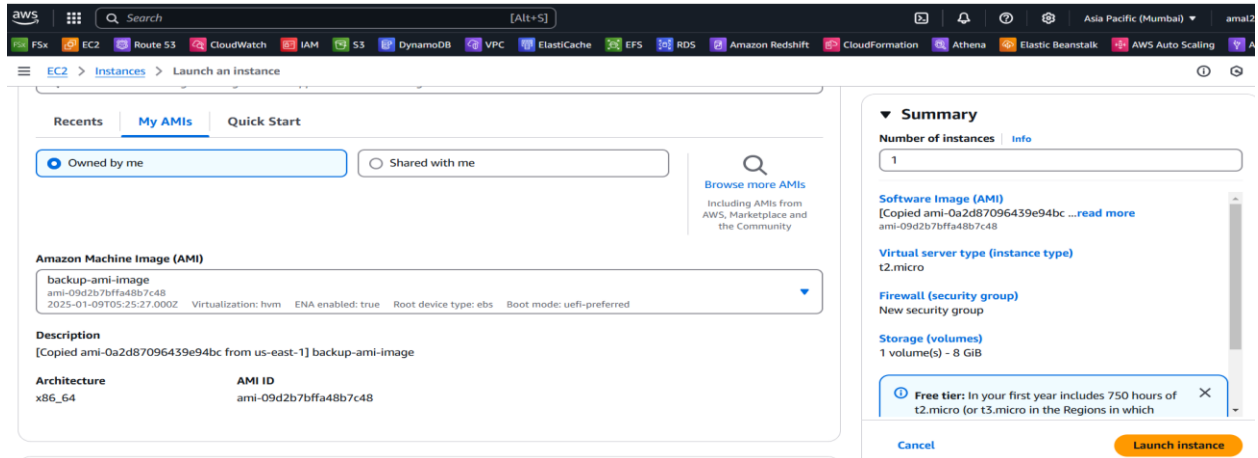
Tags

5 – Go to that region where you copy the ami , and create instance.



6- GO instance and when create instance then selected Myami ,AND LUANCH .





Backup is ready !!