

Amazon Machine Image (AMI) In AWS

AMI:

Amazon machine image is a template, it contains software configuration such as OS, Application server configuration which is required to launch an EC2 instance.

When you create an AMI, automatically snapshot is created in the backend.

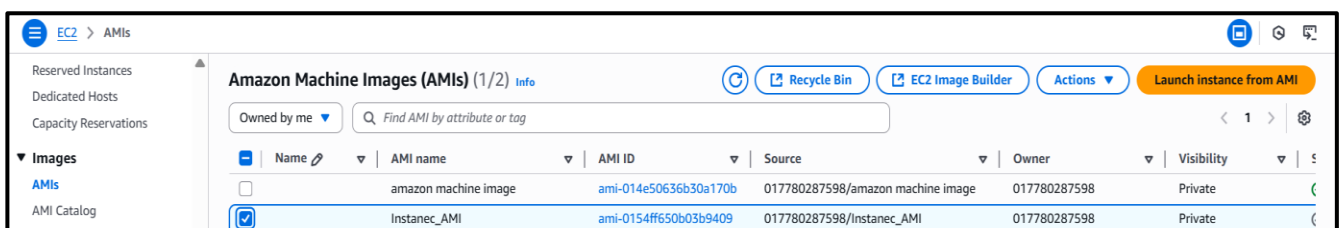
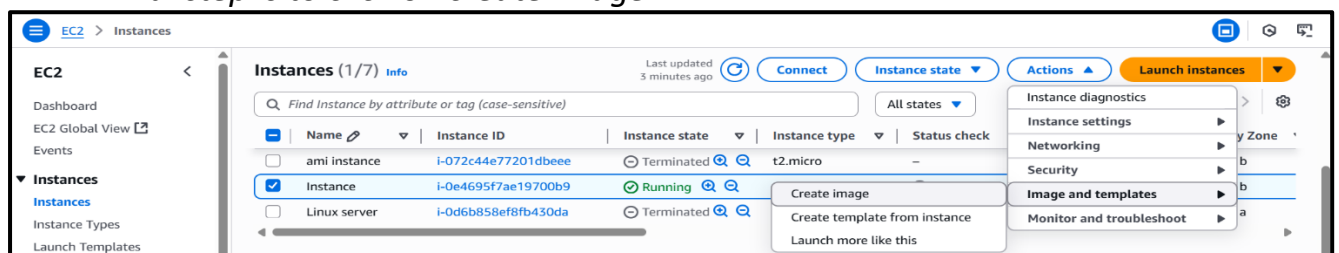
AMIs are completely free but snapshots are stored in S3 which are chargeable based on the size.

The following are some common use cases of AMIs:

- Taking backup for entire EC2 instance
- Migrating servers across the region
- Security and vulnerability scanning
- Sharing AMI with other accounts and organization

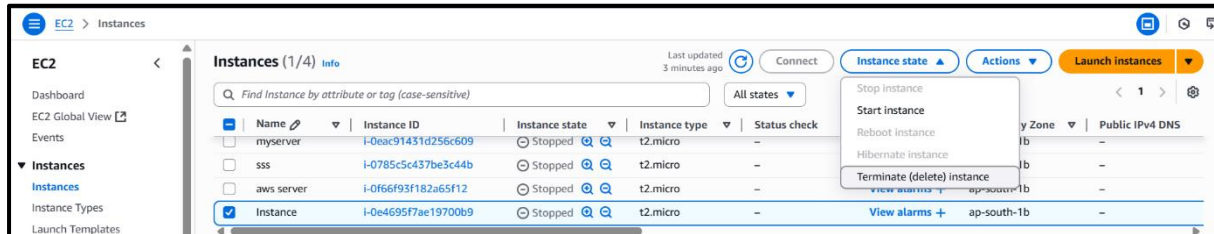
How to create a custom AMI

- ✓ Launch an instance
- ✓ Select the instance and go to actions
- ✓ Click on image and templates then select create image
- ✓ Now give image name and description
- ✓ Select image and snapshots together option
- ✓ Final step is to click on create image

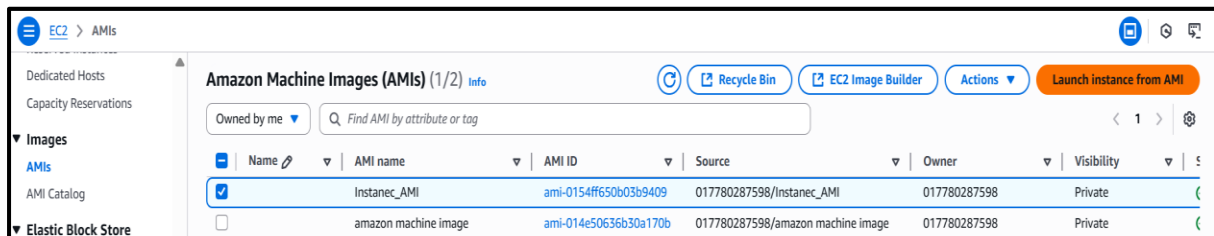


Launch an instance from custom AMI and verify the backup

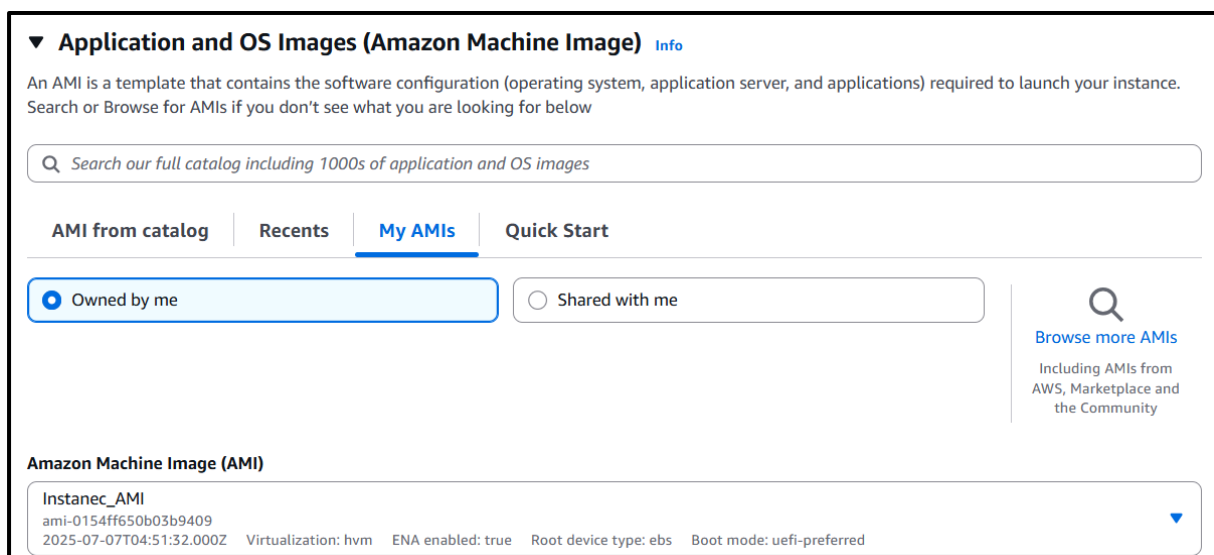
- ✓ Terminate the instance for which we have backup



- ✓ Now go to AMIs section
- ✓ Select the option "launch instance from AMI"



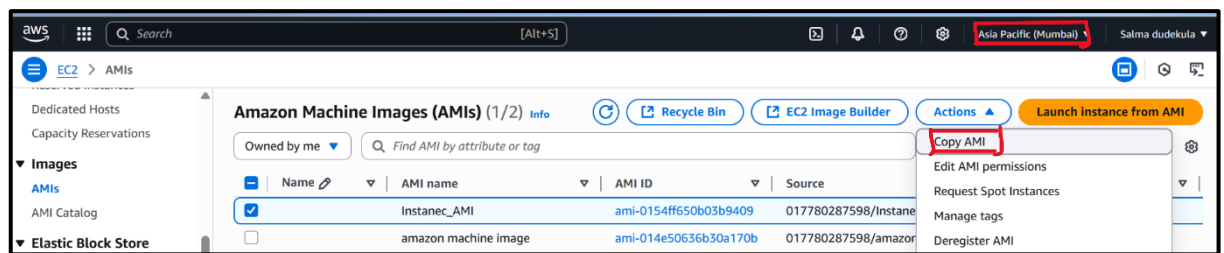
- ✓ Allocate name to the AMI
- ✓ Now click on "My AMIs" then choose "Owned by me" option



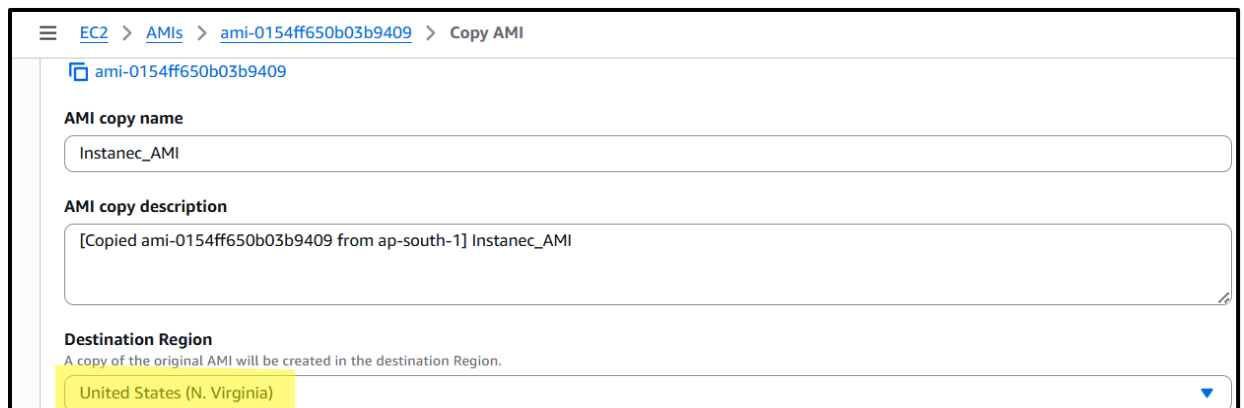
- ✓ Select key pair and security groups then launch instance
- ✓ Paste the new instance public id in new tab

Migrating instance from one region to another

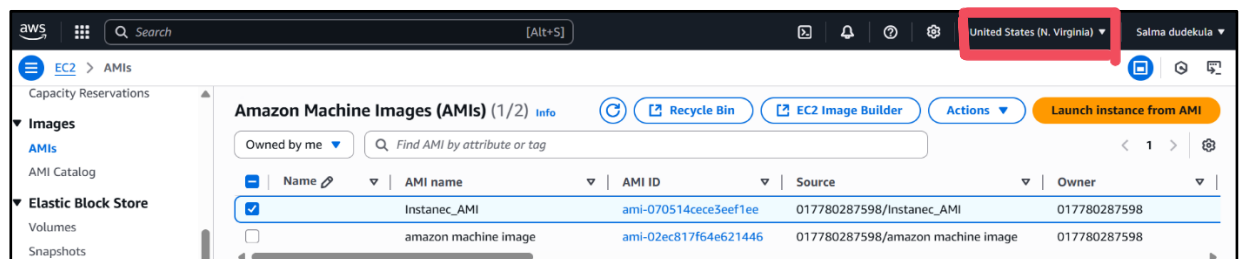
- ✓ Go to AMIs section
- ✓ Select the AMI which is in Mumbai region
- ✓ Go to Actions then click on "copy AMI"



- ✓ In it select the Destination region



- ✓ Now click on copy AMI
- ✓ Go to destination region and paste the AMIs IP address in it
- ✓ Now we are able to see our AMI there



(AMI will be copied and but not IP address, it will be changed)