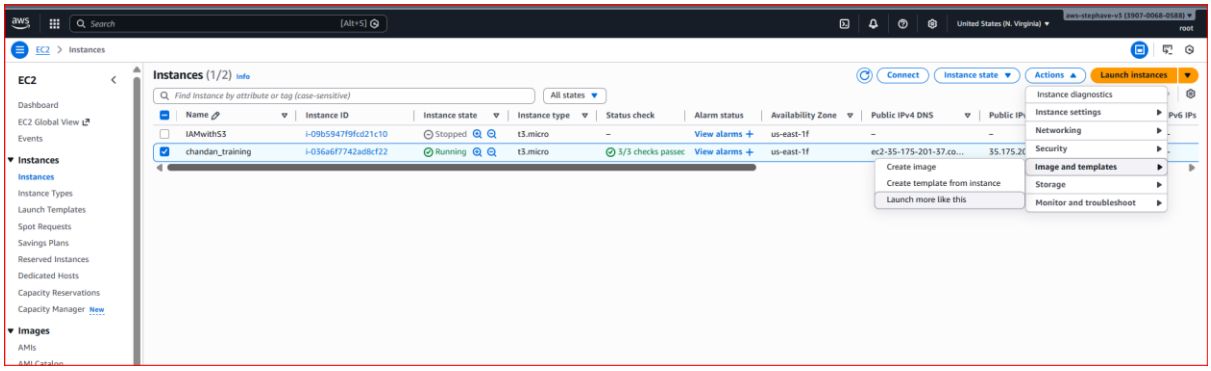
Q- Why you need custom AMI to launch instance?

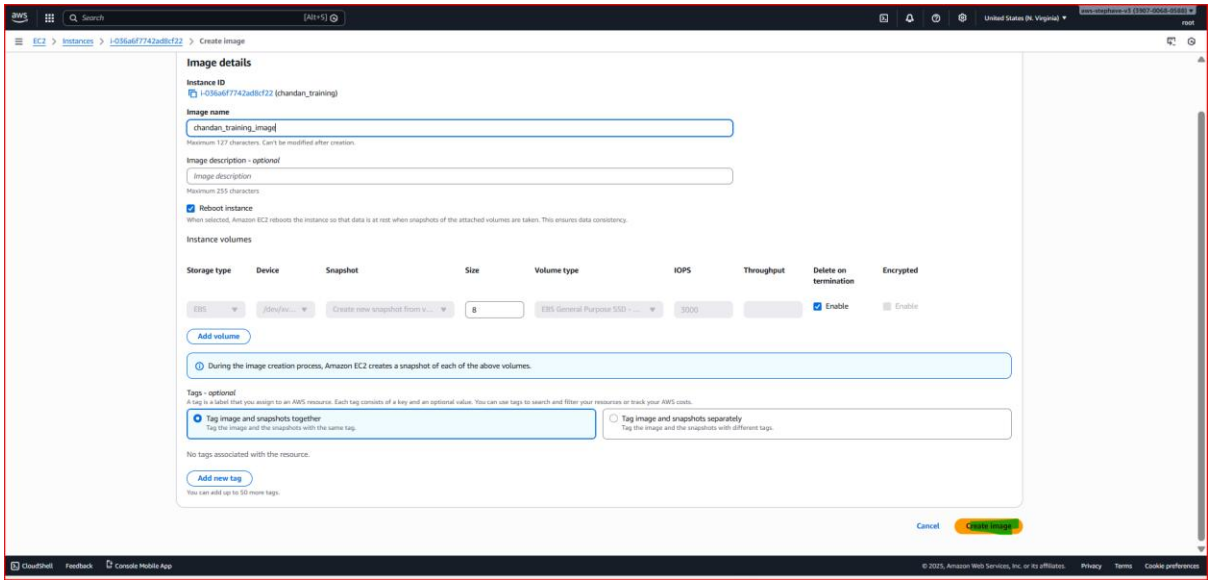
Ans- You need custom AMIs (Amazon Machine Images) to pre-install software, apply specific configurations, bake in security settings, and optimize environments for faster, consistent, and more secure AWS EC2 instance launches, ensuring every new server starts with your exact requirements rather than needing lengthy post-launch setup. They act as reusable templates for identical server environments, crucial for scaling, DevOps, and compliance, reducing deployment time significantly.

Creating an AMI from an existing Amazon EC2 instance

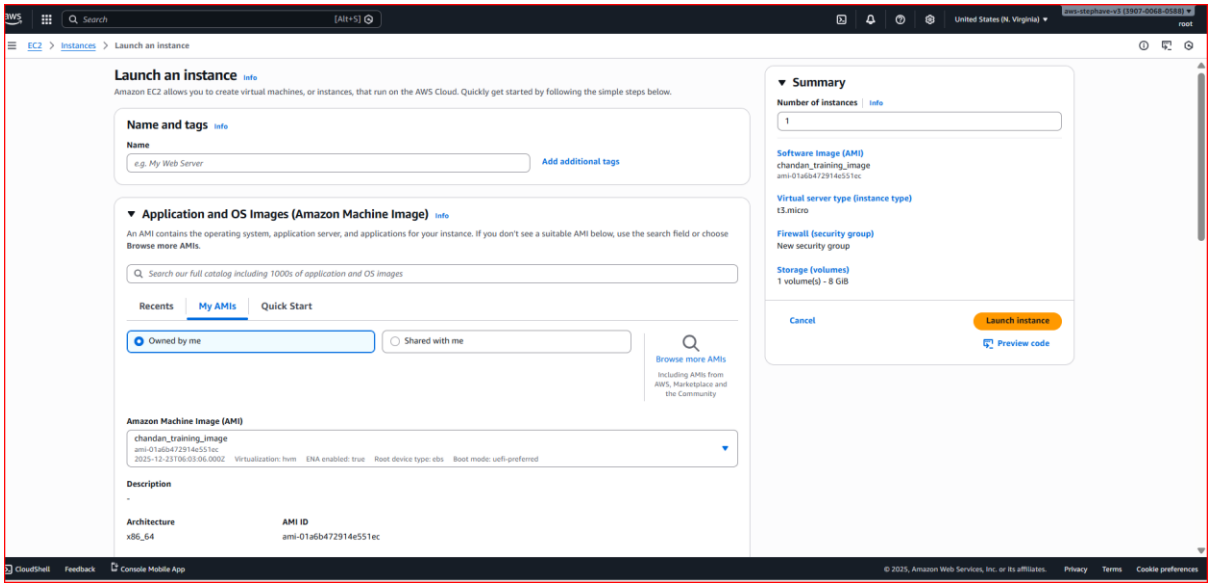
1. From the AWS Toolkit Explorer, expand **Amazon EC2** and choose **Instances** to view a list of your existing instances.
2. Right-click the instance that you want to use as the basis for your AMI and choose **Create Image (ABS AMI)** to open the **Create Image** dialog window.
3. From the **Create Image** dialog window, add a name and a description for your image into the provided fields, then choose the **OK** button to continue.
4. The **Image Created** confirmation window opens in Visual Studio when the image is created, choose the **OK** button to continue.

Select the existing EC2 instance and under Actions, choose Image and templates. Click on Create Image

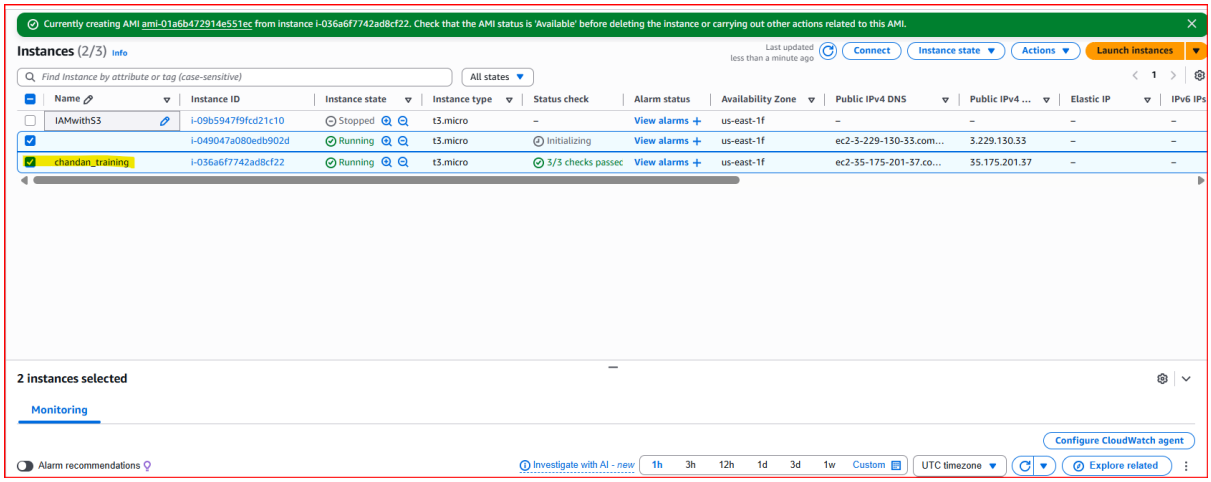




Once the Once the image is successfully created, you can view it in the AMI panel under my AMI



Follow the same process of launching an EC2 instance. This time select from my AMI


Currently creating AMI ami-01a6b472914e551ec from instance i-036a6f7742ad8cf22. Check that the AMI status is 'Available' before deleting the instance or carrying out other actions related to this AMI.
Instances (2/3) 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 IPv4 ...
Elastic IP
IPv6 IPs
IAMwithS3
i-09b5947f9fcd21c10
Stopped
t3.micro
–
View alarms
us-east-1f
–
–
–
–
i-049047a080edb902d
Running
t3.micro
Initializing
View alarms
us-east-1f
ec2-3-229-130-33.com...
3.229.130.33
–
–
chandan_training
i-036a6f7742ad8cf22
Running
t3.micro
3/3 checks passed
View alarms
us-east-1f
ec2-35-175-201-37.co...
35.175.201.37
–
–
2 instances selected
Monitoring
Configure CloudWatch agent
Alarm recommendations
Investigate with AI - new
1h
3h
12h
1d
3d
1w
Custom
UTC timezone
Explore related