

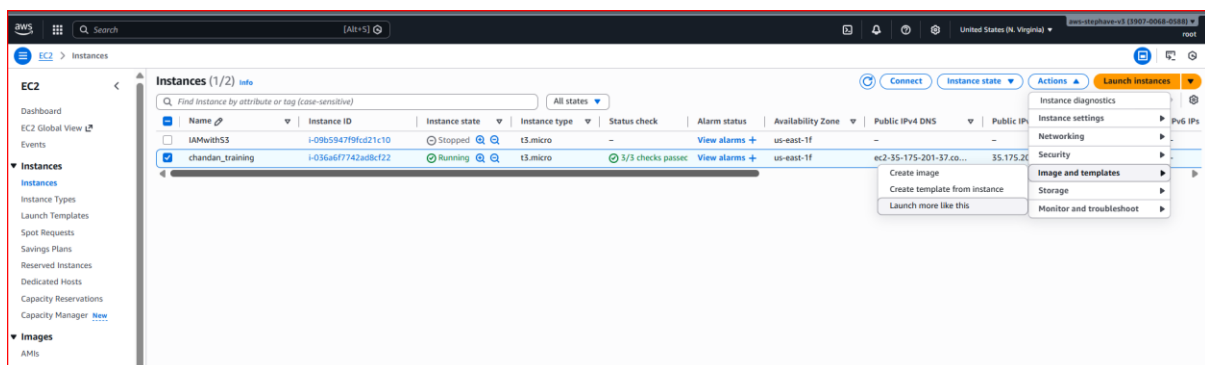
Q- Why you need custom AMI to launch instance?

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



Create Image

Instance ID: i-0b6d7742d8fcf22 (chandan_training)

Image name: chandan_training_image

Image description - optional: image description

☒ Reboot instance

☒ Delete on termination

Storage type	Device	Snapshot	Size	Volume type	IOPS	Throughput	Delete on termination	Encrypted
EBS	/dev/sda1	Create new snapshot from v...	8	EBS General Purpose SSD	3000		<input checked="" type="checkbox"/> Enable	<input type="checkbox"/> Enable

Tags - optional

☒ Tag image and snapshots together

☐ Tag image and snapshots separately

Cancel Create Image

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

Launch an instance

Name and tags: e.g. My Web Server

Application and OS Images (Amazon Machine Image)

Summary:

- Number of instances: 1
- Software Image (AMI): chandan_training_image
- Virtual server type (instance type): t3.micro
- Firewall (security group): New security group
- Storage (volumes): 1 volume(s) - 8 GiB

Launch instance

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
<input type="checkbox"/>	IAMwithSS	i-09b5947f9fcd21c10	Stopped	t3.micro	-	View alarms +	us-east-1f	-	-	-	-
<input checked="" type="checkbox"/>		i-049047a080edb902d	Running	t3.micro	Initializing	View alarms +	us-east-1f	ec2-3-229-130-33.com...	3.229.130.33	-	-
<input checked="" type="checkbox"/>	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

Alarm recommendations

Investigate with AI - new

1h

3h

12h

1d

3d

1w

Custom

UTC timezone

Configure CloudWatch agent

Explore related