

## Task – 10

Keep EC2 root volume after terminating the instance.

### Step 1 – Create instance

1. Open EC2 → Launch instance.

2. Enter instance name.

3. Select the AMI.

4. Choose the instance type.

The screenshot shows the 'Launch an instance' wizard in the AWS EC2 console. The 'Name and tags' section has 'AMI' entered. The 'Application and OS Images (Amazon Machine Image)' section shows a search bar and a list of AMIs, with 'Amazon Linux 2023 AMI 2023.8.2...' selected. The 'Instance type' section shows 't2.micro' selected. The 'Summary' panel on the right indicates 1 instance, using the selected AMI and instance type, with 1 volume (8 GiB) attached.

The screenshot shows the 'Launch an instance' wizard in the AWS EC2 console, continuing from the previous step. The 'Architecture' section shows '64-bit (x86)'. The 'AMI ID' is 'ami-0861f4e788f5069dd'. The 'Publish Date' is '2025-08-13'. The 'Username' is 'ec2-user'. The 'Instance type' section shows 't2.micro' selected. The 'Summary' panel on the right indicates 1 instance, using the selected AMI and instance type, with 1 volume (8 GiB) attached.

## Step 2 – Configure storage

1. Go to the Configure storage section.
2. Expand the root volume settings.
3. Delete on termination set it to No.
4. Continue and launch the instance.

The screenshot shows the 'Storage (volumes)' configuration for launching an instance. It includes:

- EBS Volumes:** Volume 1 (AMI Root) is an 8 GiB EBS General purpose SSD (gp3) with 3000 IOPS.
- Volume 2 (Custom):** Storage type is EBS, Device name is /dev/sdb, Snapshot is 'Select', Size is 8 GiB, Volume type is gp3, IOPS is 3000, Delete on termination is 'No', Encrypted is 'Not encrypted', and KMS key is 'Select'. A note states: 'KMS keys are only applicable when encryption is set on this volume.'
- Summary:** Shows 1 instance, Software Image (AMI) as Amazon Linux 2023 AMI 2023.8.2..., Virtual server type (instance type) as t2.micro, Firewall (security group) as New security group, and Storage (volumes) as 2 volume(s) - 16 GiB.
- Buttons:** 'Launch instance' and 'Preview code'.

The screenshot shows the EC2 Instances page with one instance listed:

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4
victus	i-08e4a84834a425280	Terminated	t2.micro	-	View alarms +	ap-south-1a	-
AMI	i-01b4c6f0dafd40337	Running	t2.micro	Initializing	View alarms +	ap-south-1b	ec2-13-201

## Step 3 – Terminate instance

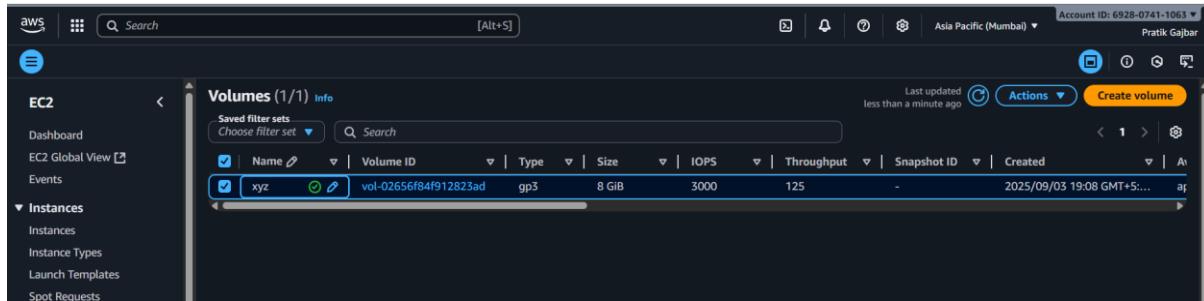
1. After use, go to EC2 → Instances.
2. Select instance → click Instance state → Terminate.

The screenshot shows the EC2 Instances page after terminating the instance. A green success message at the top says: 'Successfully initiated termination (deletion) of i-01b4c6f0dafd40337'. The instance table now shows:

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4
victus	i-08e4a84834a425280	Terminated	t2.micro	-	View alarms +	ap-south-1a	-
AMI	i-01b4c6f0dafd40337	Terminated	t2.micro	-	View alarms +	ap-south-1b	-

## Step 4 – Check volume

1. Go to EC2 → Volumes.
2. Confirm the root volume (8 GB) is still in Available state.



The screenshot shows the AWS EC2 Volumes page. The left sidebar is collapsed, and the main area displays a table titled "Volumes (1/1) Info". The table has columns for Name, Volume ID, Type, Size, IOPS, Throughput, Snapshot ID, and Created. A single row is present, labeled "xyz", with the following details: Name xyz, Volume ID vol-02656f84f912823ad, Type gp3, Size 8 GiB, IOPS 3000, Throughput 125, Snapshot ID -, Created 2025/09/03 19:08 GMT+5... The "Actions" button is visible at the top right of the table.

Name	Volume ID	Type	Size	IOPS	Throughput	Snapshot ID	Created
xyz	vol-02656f84f912823ad	gp3	8 GiB	3000	125	-	2025/09/03 19:08 GMT+5...