

## QUESTION 1

To create an EC2 instance:

Name tag for server & key pair as ec2usecase2:

The screenshot displays the AWS Management Console interface for launching an EC2 instance. The 'Launch an instance' wizard is in progress, specifically at the 'Name and tags' step. A tag is being added with the key 'Name' and the value 'ec2usecase2', with the resource type set to 'Instances'. The 'Summary' panel on the right indicates that 1 instance will be launched using the Amazon Linux 2023 AMI (ami-03aefa83246f44ef2) on a t2.micro instance type. The storage configuration shows 1 volume of 8 GiB. The 'Key pair (login)' step is also visible, showing the key pair name 'ec2usecase2' and a 'Create new key pair' button. The interface includes a top navigation bar with the AWS logo, a search bar, and a list of services (S3, EC2, IAM, VPC, CloudFront). The left sidebar shows the 'Instances' link selected under the 'EC2' service.

AMI from the Amazon Linux OS platform:

The screenshot displays the AWS Management Console interface for selecting an AMI. The 'Quick Start' section is active, showing the 'Amazon Linux 2023 AMI' (ami-03aefa83246f44ef2) selected. The 'Summary' panel on the right indicates that 1 instance will be launched using the Amazon Linux 2023 AMI (ami-03aefa83246f44ef2) on a t2.micro instance type. The storage configuration shows 1 volume of 8 GiB. The 'Launch instance' button is visible at the bottom right of the 'Summary' panel. The interface includes a top navigation bar with the AWS logo, a search bar, and a list of services (S3, EC2, IAM, VPC, CloudFront). The left sidebar shows the 'Instances' link selected under the 'EC2' service.

CloudFront

[Alt+S]

Frankfurt

VINAYA SV

☐ Allow HTTP traffic from the internet

To set up an endpoint, for example when creating a web server

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.

×

▼ Configure storage [Info](#)

Advanced

1x  GiB  Root volume (Not encrypted)

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

×

Add new volume

0 x File systems [Edit](#)

▼ Summary

Number of instances [Info](#)

Software Image (AMI)

Amazon Linux 2023 AMI 2023.0.2...[read more](#)

ami-03aefa83246f44ef2

Virtual server type (instance type)

t2.micro

Firewall (security group)

New security group

Storage (volumes)

1 volume(s) - 10 GiB

Free tier: In your first year includes

×

Cancel

Launch instance

[Review commands](#)

A screenshot of a terminal window titled "ec2-user@ip-172-31-46-220:~". The terminal shows the following sequence of events:  
1. Prompt: "login as: ec2-user"  
2. Message: "Authenticating with public key \"ec2usecase2\""  
3. ASCII art logo for Amazon Linux 2023.  
4. URL: "https://aws.amazon.com/linux/amazon-linux-2023"  
5. Prompt: "[ec2-user@ip-172-31-46-220 ~]\$"  
The terminal output is displayed on a black background with white text. The window has standard OS controls at the top and bottom.