

Install the Apache HTTP Server ([httpd](#)).

```

ec2-user@ip-172-31-17-33 ~]$ sudo systemctl start httpd
ec2-user@ip-172-31-17-33 ~]$ sudo systemctl enable httpd
Created symlink /etc/systemd/system/multi-user.target.wants/httpd.service → /usr/lib/systemd/system/httpd.service.
ec2-user@ip-172-31-17-33 ~]$ systemctl status httpd
● httpd.service - The Apache HTTP Server
   Loaded: loaded (/usr/lib/systemd/system/httpd.service; enabled; preset: disabled)
   Active: active (running) since Tue 2026-01-20 13:53:08 UTC; 15s ago
     Docs: man:httpd.service(8)
  Main PID: 10322 (httpd)
    Status: "Total requests: 0; Idle/Busy workers 100/0; Requests/sec: 0; Bytes served/sec: 0 B/sec"
     Tasks: 177 (limit: 1120)
    Memory: 12.9M
      CPU: 60ms
    CGroup: /system.slice/httpd.service
            └─10322 /usr/sbin/httpd -DFOREGROUND
              └─10432 /usr/sbin/httpd -DFOREGROUND
                └─10437 /usr/sbin/httpd -DFOREGROUND
                  └─10438 /usr/sbin/httpd -DFOREGROUND
                    └─10439 /usr/sbin/httpd -DFOREGROUND

Jan 20 13:53:08 ip-172-31-17-33.ec2.internal systemd[1]: Starting httpd.service - The Apache HTTP Server...
Jan 20 13:53:08 ip-172-31-17-33.ec2.internal systemd[1]: Started httpd.service - The Apache HTTP Server.
Jan 20 13:53:08 ip-172-31-17-33.ec2.internal httpd[10322]: Server configured, listening on: port 80

```

2. Create a Custom AMI

The screenshot shows the AWS Management Console interface for a custom AMI. The top navigation bar includes the 'Ask Amazon Q' button, notification icons, and the region 'United States (N. Virginia)'. The account ID '6866-9977-4218' and the user 'vijaya' are also visible.

The main content area displays the 'Image summary for ami-03025b8619bd7d96b'. The summary is organized into a grid of key-value pairs:

- AMI ID:** ami-03025b8619bd7d96b
- Image type:** machine
- Platform details:** Linux/UNIX
- Root device type:** EBS
- AMI name:** master-ami-vijaya
- Owner account ID:** 686699774218
- Architecture:** x86_64
- Usage operation:** RunInstances
- Root device name:** /dev/xvda
- Status:** Available
- Source:** 686699774218/master-ami-vijaya
- Virtualization type:** hvm
- Boot mode:** uefi-preferred
- State reason:** -
- Creation date:** 2026-01-20T13:54:52.000Z
- Kernel ID:** -
- Description:** Custom AMI with Apache HTTP Server installed.
- Product codes:** -
- RAM disk ID:** -
- Deprecation time:** -
- Last launched time:** -
- Block devices:** /dev/xvda=snap-00d45c14e2498f182:8:truen:gp3
- Deregistration protection:** Disabled
- Allowed image:** -
- Source AMI ID:** ami-07ff62358b87c7116
- Source AMI Region:** us-east-1

At the bottom of the summary, there are tabs for 'Permissions', 'Storage', 'My AMI usage', 'AMI Ancestry - new', and 'Tags'. The 'Permissions' tab is currently selected.

3. Copy the AMI to Another Region

[Alt+S]

United States (Oregon)
Account ID: 6866-9977-4218
vijaya

fcef80d65ba85

Image summary for ami-03dffcef80d65ba85

[EC2 Image Builder](#)
[Actions](#)
[Launch instance from AMI](#)

AMI ID ami-03dffcef80d65ba85	Image type machine	Platform details Linux/UNIX	Root device type EBS
AMI name master-ami-vijaya	Owner account ID 686699774218	Architecture x86_64	Usage operation RunInstances
Root device name /dev/xvda	Status Available	Source 686699774218/master-ami-vijaya	Virtualization type hvm
Boot mode uefi-preferred	State reason -	Creation date 2026-01-20T13:59:32.000Z	Kernel ID -
Description [Copied ami-03025b8619bd7d96b from us-east-1] master-ami-vijaya	Product codes -	RAM disk ID -	Deprecation time -
Last launched time -	Block devices /dev/xvda=snap-0436083e3f46326f5:8:true:gp3	Deregistration protection Disabled	Allowed image -
Source AMI ID ami-03025b8619bd7d96b	Source AMI Region us-east-1		

Deploy an EC2 Instance from the Copied AMI

Search

[Alt+S]

United States (Oregon)
Account ID: 6866-9977-4218
vijaya

Instances > i-0acc84a855af73c6c

view

Instance summary for i-0acc84a855af73c6c (sec-ec2-vijaya) info

[Connect](#)
[Instance state](#)
[Actions](#)

Updated less than a minute ago

Instance ID i-0acc84a855af73c6c	Public IPv4 address 34.220.205.222 open address	Private IPv4 addresses 172.31.29.239
IPv6 address -	Instance state Running	Public DNS ec2-34-220-205-222.us-west-2.compute.amazonaws.com open address
Hostname type IP name: ip-172-31-29-239.us-west-2.compute.internal	Private IP DNS name (IPv4 only) ip-172-31-29-239.us-west-2.compute.internal	Elastic IP addresses -
Answer private resource DNS name IPv4 (A)	Instance type t3.micro	AWS Compute Optimizer finding Opt-in to AWS Compute Optimizer for recommendation s. Learn more
Auto-assigned IP address 34.220.205.222 [Public IP]	VPC ID vpc-0cc7eafb7614c52c1	Auto Scaling Group name -
IAM Role -	Subnet ID subnet-0165aa676bc11ba75	Managed
IMDSv2	Instance ARN	

5. Verify Installation on the New Instance

