

AMI TYPES (EBS VS INSTANCE STORE)

AMI's

You can select your AMI based on:

- Region (see Regions and Availability Zones)
- Operating system
- Architecture (32-bit or 64-bit)
- Launch Permissions
- Storage for the Root Device (Root Device Volume
 - Instance Store (**EPHEMERAL STORAGE**)
 - EBS Backed Volumes

EBS vs Instance Store Volumes

All AMIs are categorized as either backed by Amazon EBS or backed by instance store.

For EBS Volumes: The root device for an instance launched from the AMI is an Amazon EBS volume created from an Amazon EBS snapshot.

For Instance Store Volumes: The root device for an instance launched from the AMI is an instance store volume created from a template stored in Amazon S3.

1. Choose AMI 2. Choose Instance Type 3. Configure Instance 4. Add Storage 5. Add Tags 6. Configure Security Group 7. Review

Step 1: Choose an Amazon Machine Image (AMI)

[Cancel and Exit](#)

An AMI is a template that contains the software configuration (operating system, application server, and applications) required to launch your instance. You can select an AMI provided by AWS, our user community, or the AWS Marketplace; or you can select one of your own AMIs.

Quick Start

My AMIs

AWS Marketplace

Community AMIs

Operating system

Architecture

amzn-ami-pv-2012.03.2.x86_64-s3 - ami-0078da69

Amazon Linux AMI x86_64 S3

Root device type: instance-store Virtualization type: paravirtual ENA Enabled: No

Select

64-bit (x86)

amzn-ami-minimal-pv-2017.03.rc-0.20170320-x86_64-s3 - ami-00942316

Amazon Linux AMI 2017.03.rc-0.20170320 x86_64 Minimal PV S3

Root device type: instance-store Virtualization type: paravirtual ENA Enabled: No

Select

64-bit (x86)

amzn-ami-pv-2018.03.0.20180811-x86_64-s3 - ami-00f0abdef923519b0

Amazon Linux AMI 2018.03.0.20180811 x86_64 PV S3

Root device type: instance-store Virtualization type: paravirtual ENA Enabled: No

Select

64-bit (x86)

amzn-ami-hvm-2018.03.0.20180811-x86_64-s3 - ami-0130c3a072f3832ff

Amazon Linux AMI 2018.03.0.20180811 x86_64 HVM S3

Root device type: instance-store Virtualization type: hvm ENA Enabled: Yes

Select

64-bit (x86)

amzn-ami-minimal-pv-2015.09.1.x86_64-s3 - ami-01b4c46b

Amazon Linux AMI 2015.09.1 x86_64 minimal PV S3

Root device type: instance-store Virtualization type: paravirtual ENA Enabled: No

Select

64-bit (x86)

Step 4: Add Storage

Your instance will be launched with the following storage device settings. You can attach additional instance store volumes to your instance. You can also attach additional EBS volumes after launching an instance, but not instance store volumes. [Learn more](#) about storage options in Amazon EC2.

Volume Type ⓘ	Device ⓘ	Snapshot ⓘ	Size (GiB) ⓘ	Volume Type ⓘ	IOPS ⓘ	Throughput (MB/s) ⓘ	Delete on Termination ⓘ	Encrypted ⓘ
Instance Store 0 ▾	/dev/sdb ▾	N/A	4	SSD	N/A	N/A	N/A	Not Encrypted ⓘ

General Purpose (SSD) volumes provide the ability to burst to 3000 IOPS per volume, independent of volume size, to meet the performance needs of most applications and also deliver a consistent baseline of 3 IOPS/GiB. [Set my root volume to General Purpose \(SSD\)](#).

Free tier eligible customers can get up to 30 GB of EBS General Purpose (SSD) or Magnetic storage. [Learn more](#) about free usage tier eligibility and usage restrictions.

[Cancel](#) [Previous](#) [Review and Launch](#) [Next: Add Tags](#)

aws

Services ▾ Resource Groups ▾

EC2 Dashboard

Events

Tags

Reports

Limits

INSTANCES

Instances

Launch Templates

Spot Requests

Reserved Instances

Dedicated Hosts

Scheduled Instances

Capacity Reservations

IMAGES

AMIs

Bundle Tasks

ELASTIC BLOCK STORE

Volumes

Snapshots

Lifecycle Manager

NETWORK & SECURITY

Security Groups

Elastic IPs

Placement Groups

Key Pairs

Network Interfaces

LOAD BALANCING

Load Balancers

Target Groups

Launch Instance ▾

Connect

Actions ▾

Filter by tags and attributes or search by keyword

1 to 2 of 2

< >

Name	Instance ID	Instance Type	Availability Zone	Instance State	Status Checks	Alarm Status	Public DNS (IPv4)	IPv4 Public IP	IPv6 IPs
	i-02a8ada185167e60f	m3.medium	us-east-1c	pending	Initializing	None	ec2-3-88-101-9.comput...	3.88.101.9	-
	i-05cd10eaf6eaaad32	t2.micro	us-east-1b	running	Initializing	None	ec2-18-207-221-139.co...	18.207.221.139	-

Select an instance above

Status checks detect problems that may impair this instance from running your applications. [Learn more](#) about status checks.

[Create Status Check Alarm](#)

System Status Checks ⓘ

These checks monitor the AWS systems required to use this instance and ensure they are functioning properly.

System reachability check passed

Additional Resources

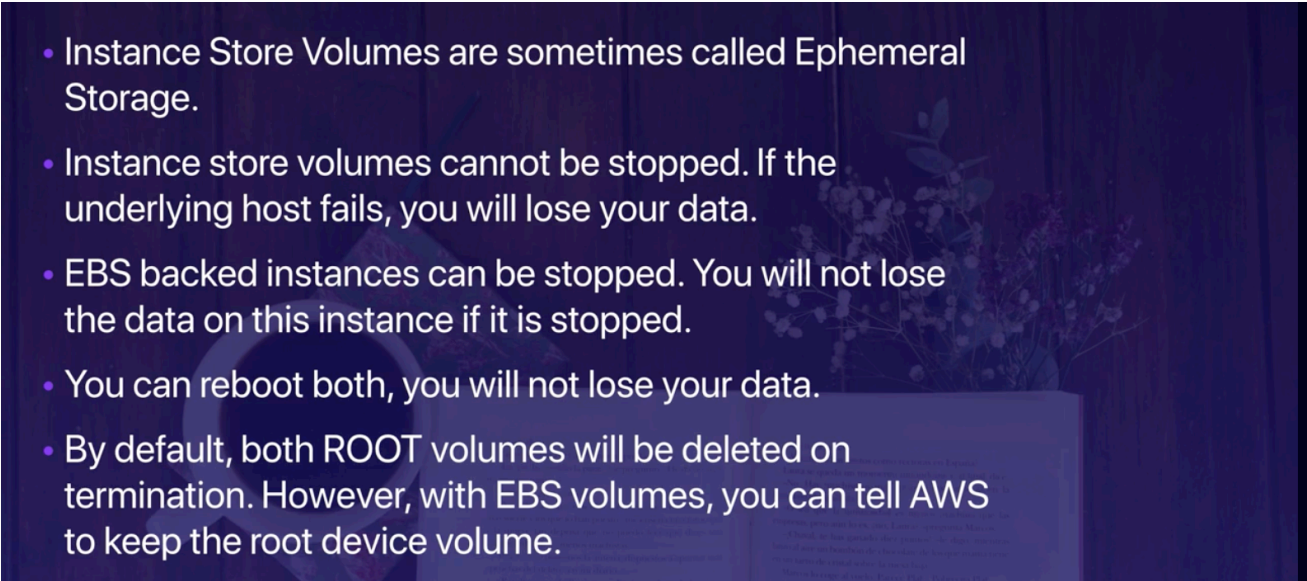
[Submit feedback](#) if our checks do not reflect your experience with this instance or if they do not detect the issues you are having.

Please note that we will not respond to customer support issues reported via this form. Please post your issue on the [Developer Forums](#) or contact [AWS Support](#) if you need technical assistance with this instance.

Instance Status Checks ⓘ

These checks monitor your software and network configuration for this instance.

Instance reachability check passed

- 
- The background of the slide features a dark, textured image of a book with a small plant growing out of the top. The text is overlaid on this background.
- Instance Store Volumes are sometimes called Ephemeral Storage.
 - Instance store volumes cannot be stopped. If the underlying host fails, you will lose your data.
 - EBS backed instances can be stopped. You will not lose the data on this instance if it is stopped.
 - You can reboot both, you will not lose your data.
 - By default, both ROOT volumes will be deleted on termination. However, with EBS volumes, you can tell AWS to keep the root device volume.