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You do not have any instances in this region

Select an instance above

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Launch instances

1

1. Launch instance in AWS EC2

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.

Q

nvidia

X

Search by Systems Manager parameter

Quick Start (8)		1 to 8 of 8 AMIs	
My AMIs (0)			
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Community AMIs (620)			
<input type="checkbox"/> Free tier only ⓘ			
		<div><div>Deep Learning AMI (Ubuntu 18.04) Version 48.0 - ami-028dbc12531690cf4</div><div>MXNet-1.8.0 & 1.7.0, TensorFlow-2.4.2, 2.3.3 & 1.15.5, PyTorch-1.4.0 & 1.8.1, Neuron, & others. NVIDIA CUDA, cuDNN, NCCL, Intel MKL-DNN, Docker, NVIDIA-Docker & EFA support. For fully managed experience, check: https://aws.amazon.com/sagemaker</div><div>Root device type: ebs Virtualization type: hvm ENA Enabled: Yes</div></div>	<div>Select</div> <div>64-bit (x86)</div>
		<div><div>Deep Learning AMI (Ubuntu 16.04) Version 48.0 - ami-0ac920b413bda833f</div><div>MXNet-1.8.0 & 1.7.0, TensorFlow-2.4.2, 2.3.3 & 1.15.5, PyTorch-1.4.0 & 1.8.1, EI, Neuron, & others. NVIDIA CUDA, cuDNN, NCCL, Intel MKL-DNN, Docker, NVIDIA-Docker & EFA. For fully managed experience, check: https://aws.amazon.com/sagemaker</div><div>Root device type: ebs Virtualization type: hvm ENA Enabled: Yes</div></div>	<div>Select</div> <div>64-bit (x86)</div>
		<div><div>Deep Learning AMI (Amazon Linux 2) Version 49.0 - ami-074b7d62275be78a0</div><div>MXNet-1.8.0 & 1.7.0, TensorFlow-2.4.1, 2.1.3 & 1.15.5, PyTorch-1.4.0 & 1.8.1, Neuron, & others. NVIDIA CUDA, cuDNN, NCCL, Intel MKL-DNN, Docker, NVIDIA-Docker & EFA support. For fully managed experience, check: https://aws.amazon.com/sagemaker</div><div>Root device type: ebs Virtualization type: hvm ENA Enabled: Yes</div></div>	<div>Select</div> <div>64-bit (x86)</div>
		<div><div>Deep Learning Base AMI (Ubuntu 18.04) Version 41.0 - ami-0d36a4e11caa2b26f</div><div>Built with NVIDIA CUDA, cuDNN, NCCL, GPU Drivers, Intel MKL-DNN, Docker, NVIDIA-Docker and EFA support. For a fully managed experience, check: https://aws.amazon.com/sagemaker</div><div>Root device type: ebs Virtualization type: hvm ENA Enabled: Yes</div></div>	<div>Select</div> <div>64-bit (x86)</div>
		<div><div>Deep Learning Base AMI (Ubuntu 16.04) Version 40.0 - ami-0ac5a3737d540e82a</div><div>Built with NVIDIA CUDA, cuDNN, NCCL, GPU Drivers, Intel MKL-DNN, Docker, NVIDIA-Docker and EFA support. For a fully managed experience, check: https://aws.amazon.com/sagemaker</div><div>Root device type: ebs Virtualization type: hvm ENA Enabled: Yes</div></div>	<div>Select</div> <div>64-bit (x86)</div>

2. Select Deep Learning AMI (Ubuntu 18.04)

Step 2: Choose an Instance Type

Amazon EC2 provides a wide selection of instance types optimized to fit different use cases. Instances are virtual servers that can run applications. They have varying combinations of CPU, memory, storage, and networking capacity, and give you the flexibility to choose the appropriate mix of resources for your applications. [Learn more](#) about instance types and how they can meet your computing needs.

Filter by: p3 ▾ Current generation ▾ [Show/Hide Columns](#)

Currently selected: p3.2xlarge (- ECUs, 8 vCPUs, 2.7 GHz, -, 61 GiB memory, EBS only)

	Family ▾	Type ▾	vCPUs ⓘ ▾	Memory (GiB) ▾	Instance Storage (GB) ⓘ ▾	EBS-Optimized Available ⓘ ▾	Network Performance ⓘ ▾	IPv6 Support ⓘ ▾
<input checked="" type="checkbox"/>	p3	p3.2xlarge	8	61	EBS only	Yes	Up to 10 Gigabit	Yes
<input type="checkbox"/>	p3	p3.8xlarge	32	244	EBS only	Yes	10 Gigabit	Yes
<input type="checkbox"/>	p3	p3.16xlarge	64	488	EBS only	Yes	25 Gigabit	Yes

3. Select the 2xlarge P3 instance type (V100).
(2xlarge has 1 V100 GPU, 8xlarge has 4 and
16xlarge has 8)

Step 3: Configure Instance Details

Configure the instance to suit your requirements. You can launch multiple instances from the same AMI, request Spot instances to take advantage of the lower pricing, assign an access management role to the instance, and more.

Number of instances 1 Launch into Auto Scaling Group

Purchasing option ☒ Request Spot instances

Availability Zone	Current price
us-east-2a	\$0.918
us-east-2b	\$0.918

Maximum price \$ 0.93

Persistent request ☐ Persistent request

Network vpc-84cd36ef (default) Create new VPC

Subnet No preference (default subnet in any Availability Zone) Create new subnet

Auto-assign Public IP Use subnet setting (Enable)

Placement group ☐ Add instance to placement group

Capacity Reservation Open

IAM role None Create new IAM role

CPU options ☐ Specify CPU options

Monitoring

EBS-optimized instance

Elastic Inference

4. Request spot instances and set the smallest possible price above the current price.

One can also specify the CPU to increase the number of cores, each simulation uses a single thread.

Launch

Next: Add Storage

aws

Services

Search for services, features, marketplace products, and docs

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Step 4: Add Storage

Your instance will be launched with the following storage device settings. You can attach additional EBS volumes and instance store volumes to your instance, or edit the settings of the root volume. 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
<div><div>Warning</div>Specifying this size of a root volume may result in the instance not booting successfully. Not all operating systems support root volumes that are greater than 1023 GiB.</div>								
Root	/dev/sda1	snap-0e5396dced33cef42	2000	General Purpose SSD (gp2)	6000	N/A	<input checked="" type="checkbox"/>	Not Encrypted

Add New Volume

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.

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Review and Launch

Next: Add Tags

5. Set the root volume size to 2TB if running the default option (Rodinia 3.1), adjust accordingly if running more benchmarks.

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Step 7: Review Instance Launch

▼ Instance Details

[Edit instance details](#)

Number of instances

1

Network

vpc-84cd36ef

Subnet

No preference (default subnet in any Availability Zone)

EBS-optimized

Yes

Monitoring

No

Termination protection

Shutdown behavior

Stop - Hibernate behavior

Disabled

Capacity Reservation

open

IAM role

None

Tenancy

default

Host ID

Host resource group name

Affinity

Off

Kernel ID

Use default

RAM disk ID

Use default

Enclave

false

Metadata accessible

Enabled

Metadata version

V1 and V2 (token optional)

Metadata token response hop limit

1

User data

Assign Public IP

Use subnet setting (Enable)

Assign IPv6 IP

Use subnet setting (Enable)

Assign Carrier IP

Purchasing option

Spot Request

Maximum price

0.93

Availability Zone group

Request valid to

Any time

Persistent request

No

Interruption behavior

6. Launch the instance

▼ Storage

[Edit storage](#)

Volume Type ⓘ	Device ⓘ	Snapshot ⓘ	Size (GiB) ⓘ	Volume Type ⓘ	IOPS ⓘ	Throughput (MB/s) ⓘ	Delete on Termination ⓘ	Encrypted ⓘ
Root	/dev/sda1	snap-0e5396dced33ce...	2000	gp2	6000 / 3000	N/A	Yes	Not Encrypted

► Tags

[Edit tags](#)

Cancel

Previous

Launch

Define key pair and launch