

Experimenting with Vertically Scaling

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AMI Details

Free tier eligible

Amazon Linux AMI 2018.03.0 (HVM), SSD Volume Type - ami-0080e4c5bc078760e

The Amazon Linux AMI is an EBS-backed, AWS-supported image. The default image includes AWS command line tools, Python, Ruby, Perl, and Java. The repositories include Docker, PHP, MySQL, PostgreSQL, and other packages.

Root Device Type: ebs Virtualization type: hvm

Edit AMI

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Instance Type

Instance Type	ECUs	vCPUs	Memory (GiB)	Instance Storage (GB)	EBS-Optimized Available	Network Performance
t2.micro	Variable	1	1	EBS only	-	Low to Moderate

Edit instance type

▼

Security Groups

Security group name

SG for Vertical Scaling Experiment

Description

launch-wizard-1 created 2018-12-28T11:43:55.399-05:00

Type ⓘ	Protocol ⓘ	Port Range ⓘ	Source ⓘ	Description ⓘ
SSH	TCP	22	0.0.0.0/0	

Edit security groups

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Instance Details

Number of instances

1

Network

vpc-4516c323

Subnet

No preference (default subnet in any Availability Zone)

EBS-optimized

No

Monitoring

No

Purchasing option

On demand

Edit instance details

▼

Storage

Volume Type ⓘ	Device ⓘ	Snapshot ⓘ	Size (GiB) ⓘ	Volume Type ⓘ	IOPS ⓘ	Throughput (MB/s) ⓘ
Root	/dev/xvda	snap-01d81204beb02804b	8	gp2	100 / 3000	N/A

Edit storage

Then I created a sample text file in the EBS volume.

Then Created Snapshot of the EBS Volume

Snapshot: snap-06e536535d204ad14 (Snapshot of t2 micro ebs)

Description	Permissions	Tags
Snapshot ID	snap-06e536535d204ad14	Progress1%
Status	pending	Capacity8 GiB
Volume	vol-033bed90b6ab789a0	EncryptedNot Encrypted
Started	December 28, 2018 at 1:58:26 PM UTC-5	KMS Key ID
Owner	196215119328	KMS Key Aliases
Product codes	-	KMS Key ARN

Then shut down the instance (t2 micro) and updated instance type to t2-medium from the instance settings menu

Snapshot after launching

Instance: [i-0f8bad7652de9087b](#) (Default T2 Micro) Public DNS: [ec2-34-201-217-242.compute-1.amazonaws.com](#)

Description	Status Checks	Monitoring	Tags
Instance ID	i-0f8bad7652de9087b	Public DNS (IPv4)	ec2-34-201-217-242.compute-1.amazonaws.com
Instance state	running	IPv4 Public IP	34.201.217.242
Instance type	t2.medium	IPv6 IPs	-
Elastic IPs		Private DNS	ip-172-31-21-55.ec2.internal
Availability zone	us-east-1c	Private IPs	172.31.21.55
Security groups	SG for Vertical Scaling Experiment . view inbound rules . view outbound rules	Secondary private IPs	
Scheduled events	No scheduled events	VPC ID	vpc-4516c323
AMI ID	amzn-ami-hvm-2018.03.0.20181129-x86_64-gp2 (ami-0080e4c5bc078760e)	Subnet ID	subnet-c92ca392
Platform	-	Network interfaces	eth0
IAM role	-	Source/dest. check	True
Key pair name	ec2-cert-key	T2/T3 Unlimited	Disabled
Owner	196215119328	EBS-optimized	False
Launch time	December 28, 2018 at 2:18:18 PM UTC-5 (less than one hour)	Root device type	ebs
Termination protection	False	Root device	/dev/xvda
Lifecycle	normal	Block devices	/dev/xvda
Monitoring	basic	Elastic Graphics ID	-

