

AWS Cloud Router Users Internet und Registered Target Image Subnet Internal AWS AWS DNS Strong + VPN Ohio Subham Pradhan

us-east-2.console.aws.amazon.com/ec2/home?region=us-east-2#LaunchInstances:

aws Services Search [Alt+S]

EC2 > Instances > Launch an instance

## Launch an instance Info

Amazon EC2 allows you to create virtual machines, or instances, that run on the AWS Cloud. Quickly get started by following the simple steps below.

**Name and tags Info**

Name: MySQL-VPN-Linux-server Add additional tags

**Application and OS Images (Amazon Machine Image) Info**

An AMI is a template that contains the software configuration (operating system, application server, and applications) required to launch your instance. Search or Browse for AMIs if you don't see what you are looking for below.

Search: linux 2 X

AMI from catalog Recents My AMIs Quick Start

Amazon Machine Image (AMI)  
amzn2-x86\_64-SQL\_2017\_Standard-2022.04.14 Verified provider

**Summary**

Number of instances Info: 1

Software Image (AMI): Amazon Linux 2 LTS with SQL Se... read more  
ami-0bea0be466a642cf0

Virtual server type (instance type): t3.xlarge

Firewall (security group): New security group

Storage (volumes): 1 volume(s) - 8 GiB

**Launch instance**

Cancel Review commands

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An AMI is a template that contains the software configuration (operating system, application server, and applications) required to launch your instance. Search or Browse for AMIs if you don't see what you are looking for below.

Search: linux 2

AMI from catalog Recents My AMIs Quick Start

Amazon Machine Image (AMI)  
amzn2-x86\_64-SQL\_2017\_Standard-2022.04.14  
ami-0bea0be466a642cf0

Verified provider

Browse more AMIs

Including AMIs from AWS, Marketplace and the Community

Catalog	Published	Architecture	Virtualization	Root device type	ENAv Enabled
Quickstart AMIs	2022-04-15T00:07:15.00	x86_64	hvm	ebs	Yes

We recommend using [AWS Launch Wizard](#) because it provides guidance for quickly deploying Microsoft SQL Server in a high availability or single node configuration on Amazon EC2. [Learn more](#)

▼ Summary

Number of instances [Info](#)  
1

Software Image (AMI)  
Amazon Linux 2 LTS with SQL Se...[read more](#)  
ami-0bea0be466a642cf0

Virtual server type (instance type)  
t3.xlarge

Firewall (security group)  
New security group

Storage (volumes)  
1 volume(s) - 8 GiB

Cancel [Launch instance](#) Review commands

▼ Instance type [Info](#)

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us-east-2.console.aws.amazon.com/ec2/home?region=us-east-2#LaunchInstances:

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**Instance type** Info

Instance type: t3.xlarge

Family: t3 4 vCPU 16 GiB Memory Current generation: true  
On-Demand Linux base pricing: 0.1664 USD per Hour  
On-Demand Windows base pricing: 0.24 USD per Hour  
On-Demand RHEL base pricing: 0.2264 USD per Hour  
On-Demand SUSE base pricing: 0.2227 USD per Hour

All generations Compare instance types

Additional costs apply for AMIs with pre-installed software

**Key pair (login)** Info

You can use a key pair to securely connect to your instance. Ensure that you have access to the selected key pair before you launch the instance.

Key pair name - required: WEB-SERVER-2 Create new key pair

**Network settings** Info

VPC - required Info: vpc-0ea196f69e0e06256 (My-vpc-1) 10.0.0.0/16

Subnet Info

**Summary**

Number of instances Info: 1

Software Image (AMI): Amazon Linux 2 LTS with SQL Se...read more ami-0bea0be466a642cf0

Virtual server type (instance type): t3.xlarge

Firewall (security group): New security group

Storage (volumes): 1 volume(s) - 8 GiB

Cancel Launch instance Review commands

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us-east-2.console.aws.amazon.com/ec2/home?region=us-east-2#LaunchInstances:

Services Search [Alt+S]

Network settings

VPC - required Info  
vpc-0ea196f69e0e06256 (My-vpc-1)  
10.0.0.0/16

Subnet Info  
subnet-02f972367982b313d Private-subnet  
VPC: vpc-0ea196f69e0e06256 Owner: 841429465794 Availability Zone: us-east-2b  
IP addresses available: 247 CIDR: 10.0.2.0/24

Create new subnet

Auto-assign public IP Info  
Enable

Firewall (security groups) Info  
A security group is a set of firewall rules that control the traffic for your instance. Add rules to allow specific traffic to reach your instance.

Create security group Select existing security group

Security group name - required  
launch-wizard-5

This security group will be added to all network interfaces. The name can't be edited after the security group is created. Max length is 255 characters. Valid characters: a-z, A-Z, 0-9, spaces, and \_-:/()#@[]+=&{}!\$\*

Description - required Info  
launch-wizard-5 created 2023-09-05T13:28:22.53Z

Inbound Security Group Rules  
Security group rule 1 (TCP, 1433, 0.0.0.0/0)

Remove

Summary

Number of instances Info  
1

Software Image (AMI)  
Amazon Linux 2 LTS with SQL Se...read more  
ami-0bea0be466a642cf0

Virtual server type (instance type)  
t3.xlarge

Firewall (security group)  
New security group

Storage (volumes)  
1 volume(s) - 8 GiB

Cancel Launch instance Review commands

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us-east-2.console.aws.amazon.com/ec2/home?region=us-east-2#LaunchInstances:

Type Info Protocol Info Port range Info  
MSSQL TCP 1433

Source type Info Source Info Description - optional Info  
Anywhere Add CIDR, prefix list or security e.g. SSH for admin desktop  
0.0.0.0/0 X

▼ Security group rule 2 (TCP, 22, 0.0.0.0/0) Remove

Type Info Protocol Info Port range Info  
ssh TCP 22

Source type Info Source Info Description - optional Info  
Anywhere Add CIDR, prefix list or security e.g. SSH for admin desktop  
0.0.0.0/0 X

▼ Security group rule 3 (TCP, 80, 0.0.0.0/0) Remove

Type Info Protocol Info Port range Info  
HTTP TCP 80

Source type Info Source Info Description - optional Info  
Anywhere Add CIDR, prefix list or security e.g. SSH for admin desktop  
0.0.0.0/0 X

▼ Summary

Number of instances Info 1

Software Image (AMI) Amazon Linux 2 LTS with SQL Se...read more ami-0bea0be466a642cf0

Virtual server type (instance type) t3.xlarge

Firewall (security group) New security group

Storage (volumes) 1 volume(s) - 8 GiB

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Type Info Protocol Info Port range Info  
HTTPS TCP 443  
Source type Info Source Info Description - optional Info  
Anywhere Add CIDR, prefix list or security e.g. SSH for admin desktop  
0.0.0.0/0 X

⚠ 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.

Add security group rule Advanced network configuration

▼ Summary Number of instances Info 1

Software Image (AMI) Amazon Linux 2 LTS with SQL Se...read more ami-0bea0be466a642cf0

Virtual server type (instance type) t3.xlarge

Firewall (security group) New security group

Storage (volumes) 1 volume(s) - 8 GiB

Cancel Launch instance Review commands

Configure storage Info Advanced  
1x 8 GiB gp2 Root volume (Not encrypted)

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

Add new volume

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us-east-2.console.aws.amazon.com/ec2/home?region=us-east-2#CreateVolume:

Services Search [Alt+S]

EC2 > Volumes > Create volume

## Create volume Info

Create an Amazon EBS volume to attach to any EC2 instance in the same Availability Zone.

**Volume settings**

Volume type Info  
General Purpose SSD (gp2)

Size (GiB) Info  
20  
Min: 1 GiB, Max: 16384 GiB. The value must be an integer.

IOPS Info  
100 / 3000  
Baseline of 3 IOPS per GiB with a minimum of 100 IOPS, burstable to 3000 IOPS.

Throughput (MiB/s) Info  
Not applicable

Availability Zone Info  
us-east-2b

Snapshot ID - optional Info  
Don't create volume from a snapshot

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us-east-2.console.aws.amazon.com/ec2/home?region=us-east-2#AttachVolume:volumId=vol-0ef65a9b5108f0313

aws Services Search [Alt+S]

EC2 > Volumes > vol-0ef65a9b5108f0313 > Attach volume

## Attach volume Info

Attach a volume to an instance to use it as you would a regular physical hard disk drive.

**Basic details**

Volume ID  
vol-0ef65a9b5108f0313 (SQL\_Vol)

Availability Zone  
us-east-2b

Instance Info  
i-0384385ae16cb7db9 ▼ C  
Only instances in the same Availability Zone as the selected volume are displayed.

Device name Info  
/dev/sdf  
Recommended device names for Linux: /dev/sda1 for root volume. /dev/sd[f-p] for data volumes.

i Newer Linux kernels may rename your devices to **/dev/xvdf** through **/dev/xvdः** internally, even when the device name entered here (and shown in the details) is **/dev/sdf** through **/dev/sdp**.

Cancel **Attach volume**

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Images AMIs AMI Catalog

Elastic Block Store Volumes Snapshots Lifecycle Manager

Instances (1/5) Info Find instance by attribute or tag (case-sensitive)

Instance state = running Clear filters

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 DNS
Web-server-1	i-0f970c3d74d7a7522	Running	t2.micro	2/2 checks passed	No alarms	us-east-2a	ec2-3-138-138-44.us-e...
DB-server	i-07100e44db328d8d9	Running	t2.micro	2/2 checks passed	No alarms	us-east-2b	-
Web-server-2	i-05f5af351c40f445a	Running	t2.micro	2/2 checks passed	No alarms	us-east-2a	ec2-13-58-154-78.us-e...
MySQL-VPN-Li...	i-0384385ae16cb7db9	Running	t3.xlarge	2/2 checks passed	No alarms	us-east-2b	ec2-3-136-11-172.us-e...

Instance: i-0384385ae16cb7db9 (MySQL-VPN-Linux-server)

Details Security Networking Storage Status checks Monitoring Tags

Instance summary Instance ID: i-0384385ae16cb7db9 (MySQL-VPN-Linux-server) Public IPv4 address: 3.136.11.172 | open address Private IPv4 addresses: 10.0.2.220

IPv6 address: - Instance state: Running Public IPv4 DNS: ec2-3-136-11-172.us-east-2.compute.amazonaws.com | open address

Hostname type: IP name: ip-10-0-2-220.us-east-2.compute.internal Private IP DNS name (IPv4 only): ip-10-0-2-220.us-east-2.compute.internal Instance type: t3.xlarge Elastic IP addresses:

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Search results - subhampradhan966@ | Launch an instance | EC2 | us-east-1 | +

us-east-2.console.aws.amazon.com/ec2/home?region=us-east-2#LaunchInstances:

Services | Search [Alt+S]

EC2 > Instances > Launch an instance

## Launch an instance Info

Amazon EC2 allows you to create virtual machines, or instances, that run on the AWS Cloud. Quickly get started by following the simple steps below.

**Name and tags Info**

Name: Testing-server [Add additional tags](#)

**Application and OS Images (Amazon Machine Image) Info**

An AMI is a template that contains the software configuration (operating system, application server, and applications) required to launch your instance. Search or Browse for AMIs if you don't see what you are looking for below.

Search our full catalog including 1000s of application and OS images

Recents | My AMIs | Quick Start

Amazon Linux | macOS | Ubuntu | Windows | Red Hat | SUSE Linux | [Browse more AMIs](#) | [Search](#)

**Summary**

Number of instances [Info](#): 1

Software Image (AMI): Amazon Linux 2023 AMI 2023.1.2... [read more](#)  
ami-01103fb68b3569475

Virtual server type (instance type): t2.micro

Firewall (security group): New security group

Storage (volumes): 1 volume(s) - 8 GiB

[Cancel](#) [Launch instance](#) [Review commands](#)

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Type here to search         27°C Cloudy ENG 12:32 PM 14-09-2023

Search results - subhampradhan966@... Launch an instance | EC2 | us-east-1

us-east-2.console.aws.amazon.com/ec2/home?region=us-east-2#LaunchInstances:

Services Search [Alt+S]

Key pair (login) [Info](#)

You can use a key pair to securely connect to your instance. Ensure that you have access to the selected key pair before you launch the instance.

Key pair name - required

WEB-SERVER-2 [Create new key pair](#)

Subnets

Subnet ID	Type	VPC	Owner	Availability Zone	IP addresses available	CIDR
subnet-0dedf238d024a29ce	Public-subnet	vpc-0ea196f69e0e06256	841429465794	us-east-2a	247	10.0.1.0/24
subnet-02f972367982b313d	Private-subnet	vpc-0ea196f69e0e06256	841429465794	Availability Zone: us-east-2b	IP addresses available: 248	CIDR: 10.0.2.0/24
subnet-0dedf238d024a29ce	Public-subnet	vpc-0ea196f69e0e06256	841429465794	Availability Zone: us-east-2a	IP addresses available: 247	CIDR: 10.0.1.0/24

Auto-assign public IP [Info](#)

Enable

Firewall (security groups) [Info](#)

A security group is a set of firewall rules that control the traffic for your instance. Add rules to allow specific traffic to reach your instance.

Create security group  Select existing security group

Security group name - required

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Launch instance

Review commands

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Search results - subhampradhan966@ [Launch an instance | EC2 | us-east-1] + us-east-2.console.aws.amazon.com/ec2/home?region=us-east-2#LaunchInstances: AWS Services Search [Alt+S] Subham Pradhan, Ohio, VPN, i

**Security group rule 1 (All, All, 0.0.0.0/0)**

Type Info Protocol Info Port range Info  
All traffic All All

Source type Info Source Info Description - optional Info  
Anywhere Add CIDR, prefix list or security e.g. SSH for admin desktop  
0.0.0.0/0 X

Add security group rule ▶ Advanced network configuration

**Configure storage** Info Advanced

1x 8 GiB gp2 Root volume (Not encrypted)

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

Add new volume

0 x File systems Edit

**Summary**

Number of instances Info 1

Software Image (AMI)  
Amazon Linux 2 Kernel 5.10 AMI...read more ami-05e1405c57ab23683

Virtual server type (instance type)  
t2.micro

Firewall (security group)  
New security group

Storage (volumes)  
1 volume(s) - 8 GiB

Cancel Launch instance Review commands

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Search results - subhampradhan966@... Instances | EC2 | us-east-2 us-east-2.console.aws.amazon.com/ec2/home?region=us-east-2#Instances:instanceState=runn... [Alt+S] AWS Services Search Instances (1/2) Info Find instance by attribute or tag (case-sensitive) Instance state = running Clear filters < 1 > Instances Name Instance ID Instance state Instance type Status check Alarm status Availability Zone Public IPv4 DNS Testing-server i-07004e3cd5794b592 Running t2.micro Initializing No alarms + us-east-2a ec2-3-141-35-148.us-e... - i-0c1a7b1b220eb0773 Running t2.micro 2/2 checks passed No alarms + us-east-2b ec2-3-17-56-162.us-e... Instance: i-07004e3cd5794b592 (Testing-server) Details Security Networking Storage Status checks Monitoring Tags Instance summary Instance ID i-07004e3cd5794b592 (Testing-server) Public IPv4 address 3.141.35.148 [open address] Private IPv4 addresses 10.0.1.52 IPv6 address - Instance state Running Public IPv4 DNS ec2-3-141-35-148.us-east-2.compute.amazonaws.com [open address] Private IP DNS name (IPv4 only) ip-10-0-1-52.us-east-2.compute.internal Elastic IP addresses - Hostname type IP name: ip-10-0-1-52.us-east-2.compute.internal Answer private resource DNS name - VPC ID vpc-0e106fc0e0e0c25c (My VPC, 1) [Edit] AWS Compute Optimizer finding Opt in to AWS Compute Optimizer for recommendations CloudShell Feedback Language © 2023, Amazon Web Services India Private Limited or its affiliates. Privacy Terms Cookie preferences Type here to search 27°C Cloudy ENG 12:35 PM 14-09-2023

root@ip-10-0-1-52:~

```
ASUS@LAPTOP-Q9QDRNKO MINGW64 ~/Downloads
$ chmod 400 WEB-SERVER-2.pem
```

```
ASUS@LAPTOP-Q9QDRNKO MINGW64 ~/Downloads
$ ssh -i "WEB-SERVER-2.pem" ec2-user@ec2-3-141-35-148.us-east-2.compute.amazonaws.com
The authenticity of host 'ec2-3-141-35-148.us-east-2.compute.amazonaws.com (3.141.35.1
48)' can't be established.
ED25519 key fingerprint is SHA256:ikIm8kQN3b65DL4AUiBrcVM8s900gEN3z+nr+H152P0.
This key is not known by any other names.
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently added 'ec2-3-141-35-148.us-east-2.compute.amazonaws.com' (ED25519
) to the list of known hosts.
```

—| ( —|— /    Amazon Linux 2 AMI  
—| \—|—|

```
https://aws.amazon.com/amazon-linux-2/
5 package(s) needed for security, out of 36 available
Run "sudo yum update" to apply all updates.
```

```
[ec2-user@ip-10-0-1-52 ~]$ sudo su
[root@ip-10-0-1-52 ec2-user]# cd
[root@ip-10-0-1-52 ~]# lsblk
NAME   MAJ:MIN RM SIZE RO TYPE MOUNTPOINT
xvda    202:0    0  8G  0 disk
└─xvda1 202:1    0  8G  0 part /
[root@ip-10-0-1-52 ~]# df -h
```

Filesystem	Size	Used	Avail	Use%	Mounted on
devtmpfs	468M	0	468M	0%	/dev
tmpfs	477M	0	477M	0%	/dev/shm
tmpfs	477M	408K	476M	1%	/run
tmpfs	477M	0	477M	0%	/sys/fs/cgroup
/dev/xvda1	8.0G	1.7G	6.4G	21%	/
tmpfs	96M	0	96M	0%	/run/user/1000

```
[root@ip-10-0-1-52 ~]#
```



Type here to search



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Search results - subhampradhan966@ | Connect to instance | EC2 | us-east-2 | Create volume | EC2 | us-east-2 | Make an Amazon EBS volume available | +

us-east-2.console.aws.amazon.com/ec2/home?region=us-east-2#CreateVolume:

aws Services Search [Alt+S]

## Create volume Info

Create an Amazon EBS volume to attach to any EC2 instance in the same Availability Zone.

### Volume settings

Volume type Info  
General Purpose SSD (gp2)

Size (GiB) Info  
5  
Min: 1 GiB, Max: 16384 GiB. The value must be an integer.

IOPS Info  
100 / 3000  
Baseline of 3 IOPS per GiB with a minimum of 100 IOPS, burstable to 3000 IOPS.

Throughput (MiB/s) Info  
Not applicable

Availability Zone Info  
us-east-2a

Snapshot ID - optional Info  
Don't create volume from a snapshot

Encryption Info  
Use Amazon EBS encryption as an encryption solution for your EBS resources associated with your EC2 instances.

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Search results - subhampradhan966@ | Connect to instance | EC2 | us-east-2 | Volumes | EC2 | us-east-2 | Make an Amazon EBS volume available | +

us-east-2.console.aws.amazon.com/ec2/home?region=us-east-2#Volumes:

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### Volumes (1/7) Info

Name	Volume ID	Type	Size	IOPS	Throughput	Snapshot	Created	Available
SQL_Vol	vol-0c19893f100f931	gp2	20 GiB	100	-	snap-0318650...	2023/09/05 10:51 GMT+5:30	us-east-2
-	vol-0fb68eafbe53a7e34	gp2	8 GiB	100	-	snap-0939c46...	2023/09/13 10:17 GMT+5:...	us-east-2
-	vol-03faa77c3caa5f67d	gp2	8 GiB	100	-	snap-0939c46...	2023/09/05 15:53 GMT+5:...	us-east-2
-	vol-06416b9c724472b24	gp2	8 GiB	100	-	snap-0939c46...	2023/09/05 15:56 GMT+5:...	us-east-2
-	vol-0a899ed7b6365f0ea	gp2	8 GiB	100	-	snap-0c81575...	2023/09/14 12:34 GMT+5:...	us-east-2
<input checked="" type="checkbox"/> New vol	vol-0fc6c49993e3dc2d1	gp2	5 GiB	100	-	-	2023/09/14 12:39 GMT+5:...	us-east-2

#### Volume ID: vol-0fc6c49993e3dc2d1 (New vol)

Details	Status checks	Monitoring	Tags
Volume ID vol-0fc6c49993e3dc2d1 (New vol)	Size 5 GiB	Type gp2	Volume status Okay
AWS Compute Optimizer finding <small>Opt-in to AWS Compute Optimizer for recommendations.   Learn more</small>	Volume state Available	IOPS 100	Throughput -
Encryption Not encrypted	KMS key ID -	KMS key alias -	KMS key ARN -
Fast snapshot restored No	Snapshot -	Availability Zone us-east-2a	Created Thu Sep 14 2023 12:39:30 GMT+0530 (India Standard Time)

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Search results - subhampradhan966@ | Connect to instance | EC2 | us-east-2 | Attach volume | EC2 | us-east-2 | Make an Amazon EBS volume available | +

us-east-2.console.aws.amazon.com/ec2/home?region=us-east-2#AttachVolume:volumId=vol-0fc6c49993e3dc2d1

aws Services Search [Alt+S]

EC2 > Volumes > vol-0fc6c49993e3dc2d1 > Attach volume

## Attach volume Info

Attach a volume to an instance to use it as you would a regular physical hard disk drive.

**Basic details**

Volume ID  
 vol-0fc6c49993e3dc2d1 (New vol)

Availability Zone  
us-east-2a

Instance Info  
  Only instances in the same Availability Zone as the selected volume are displayed.

Device name Info  
  
Recommended device names for Linux: /dev/sda1 for root volume. /dev/sd[f-p] for data volumes.

i Newer Linux kernels may rename your devices to **/dev/xvdf** through **/dev/xvdः** internally, even when the device name entered here (and shown in the details) is **/dev/sdf** through **/dev/sdp**.

Cancel

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root@ip-10-0-1-52:~

5 package(s) needed for security, out of 36 available

Run "sudo yum update" to apply all updates.

[ec2-user@ip-10-0-1-52 ~]\$ sudo su

[root@ip-10-0-1-52 ec2-user]# cd

[root@ip-10-0-1-52 ~]# lsblk

NAME	MAJ:MIN	RM	SIZE	RO	TYPE	MOUNTPOINT
------	---------	----	------	----	------	------------

xvda	202:0	0	8G	0	disk	
------	-------	---	----	---	------	--

└─xvda1	202:1	0	8G	0	part	/
---------	-------	---	----	---	------	---

[root@ip-10-0-1-52 ~]# df -h

Filesystem	Size	Used	Avail	Use%	Mounted on
------------	------	------	-------	------	------------

devtmpfs	468M	0	468M	0%	/dev
----------	------	---	------	----	------

tmpfs	477M	0	477M	0%	/dev/shm
-------	------	---	------	----	----------

tmpfs	477M	408K	476M	1%	/run
-------	------	------	------	----	------

tmpfs	477M	0	477M	0%	/sys/fs/cgroup
-------	------	---	------	----	----------------

/dev/xvda1	8.0G	1.7G	6.4G	21%	/
------------	------	------	------	-----	---

tmpfs	96M	0	96M	0%	/run/user/1000
-------	-----	---	-----	----	----------------

[root@ip-10-0-1-52 ~]# lsblk

NAME	MAJ:MIN	RM	SIZE	RO	TYPE	MOUNTPOINT
------	---------	----	------	----	------	------------

xvda	202:0	0	8G	0	disk	
------	-------	---	----	---	------	--

└─xvda1	202:1	0	8G	0	part	/
---------	-------	---	----	---	------	---

xvdf	202:80	0	5G	0	disk	
------	--------	---	----	---	------	--

[root@ip-10-0-1-52 ~]# |



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root@ip-10-0-1-52:~

```
/dev/xvda1      8.0G  1.7G  6.4G  21% /
tmpfs          96M    0   96M   0% /run/user/1000
```

```
[root@ip-10-0-1-52 ~]# lsblk
```

NAME	MAJ:MIN	RM	SIZE	RO	TYPE	MOUNTPOINT
------	---------	----	------	----	------	------------

xvda	202:0	0	8G	0	disk	
└─xvda1	202:1	0	8G	0	part	/
xvdf	202:80	0	5G	0	disk	

```
[root@ip-10-0-1-52 ~]# df -h
```

Filesystem	Size	Used	Avail	Use%	Mounted on
devtmpfs	468M	0	468M	0%	/dev
tmpfs	477M	0	477M	0%	/dev/shm
tmpfs	477M	412K	476M	1%	/run
tmpfs	477M	0	477M	0%	/sys/fs/cgroup
/dev/xvda1	8.0G	1.7G	6.4G	21%	/
tmpfs	96M	0	96M	0%	/run/user/1000

```
[root@ip-10-0-1-52 ~]# mkdir /test
```

```
[root@ip-10-0-1-52 ~]# mount /dev/xvdf /test
```

```
mount: /test: wrong fs type, bad option, bad superblock on /dev/xvdf, missing codepage or helper program, or other error.
```

```
[root@ip-10-0-1-52 ~]# mkfs.ext4 /dev/xvdf
```

```
mke2fs 1.42.9 (28-Dec-2013)
```

```
Filesystem label=
```



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root@ip-10-0-1-52:/test

Writing inode tables: done

Creating journal (32768 blocks): done

Writing superblocks and filesystem accounting information: done

```
[root@ip-10-0-1-52 ~]# mount /dev/xvdf /test
```

```
[root@ip-10-0-1-52 ~]# cd /test
```

```
[root@ip-10-0-1-52 test]# ls
```

lost+found

```
[root@ip-10-0-1-52 test]# touch abc{1..100}
```

```
[root@ip-10-0-1-52 test]# ls
```

abc1	abc19	abc29	abc39	abc49	abc59	abc69	abc79	abc89	abc99
abc10	abc2	abc3	abc4	abc5	abc6	abc7	abc8	abc9	lost+found
abc100	abc20	abc30	abc40	abc50	abc60	abc70	abc80	abc90	
abc11	abc21	abc31	abc41	abc51	abc61	abc71	abc81	abc91	
abc12	abc22	abc32	abc42	abc52	abc62	abc72	abc82	abc92	
abc13	abc23	abc33	abc43	abc53	abc63	abc73	abc83	abc93	
abc14	abc24	abc34	abc44	abc54	abc64	abc74	abc84	abc94	
abc15	abc25	abc35	abc45	abc55	abc65	abc75	abc85	abc95	
abc16	abc26	abc36	abc46	abc56	abc66	abc76	abc86	abc96	
abc17	abc27	abc37	abc47	abc57	abc67	abc77	abc87	abc97	
abc18	abc28	abc38	abc48	abc58	abc68	abc78	abc88	abc98	

```
[root@ip-10-0-1-52 test]# |
```



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root@ip-10-0-1-52:/test

[root@ip-10-0-1-52 test]# ls

abc1	abc19	abc29	abc39	abc49	abc59	abc69	abc79	abc89	abc99
abc10	abc2	abc3	abc4	abc5	abc6	abc7	abc8	abc9	lost+found
abc100	abc20	abc30	abc40	abc50	abc60	abc70	abc80	abc90	
abc11	abc21	abc31	abc41	abc51	abc61	abc71	abc81	abc91	
abc12	abc22	abc32	abc42	abc52	abc62	abc72	abc82	abc92	
abc13	abc23	abc33	abc43	abc53	abc63	abc73	abc83	abc93	
abc14	abc24	abc34	abc44	abc54	abc64	abc74	abc84	abc94	
abc15	abc25	abc35	abc45	abc55	abc65	abc75	abc85	abc95	
abc16	abc26	abc36	abc46	abc56	abc66	abc76	abc86	abc96	
abc17	abc27	abc37	abc47	abc57	abc67	abc77	abc87	abc97	
abc18	abc28	abc38	abc48	abc58	abc68	abc78	abc88	abc98	

[root@ip-10-0-1-52 test]# df -h

Filesystem	Size	Used	Avail	Use%	Mounted on
devtmpfs	468M	0	468M	0%	/dev
tmpfs	477M	0	477M	0%	/dev/shm
tmpfs	477M	412K	476M	1%	/run
tmpfs	477M	0	477M	0%	/sys/fs/cgroup
/dev/xvda1	8.0G	1.7G	6.4G	21%	/
tmpfs	96M	0	96M	0%	/run/user/1000
/dev/xvdf	4.8G	24K	4.6G	1%	/test

[root@ip-10-0-1-52 test]#



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root@ip-10-0-1-52:/test

```
abc12  abc22  abc32  abc42  abc52  abc62  abc72  abc82  abc92
abc13  abc23  abc33  abc43  abc53  abc63  abc73  abc83  abc93
abc14  abc24  abc34  abc44  abc54  abc64  abc74  abc84  abc94
abc15  abc25  abc35  abc45  abc55  abc65  abc75  abc85  abc95
abc16  abc26  abc36  abc46  abc56  abc66  abc76  abc86  abc96
abc17  abc27  abc37  abc47  abc57  abc67  abc77  abc87  abc97
abc18  abc28  abc38  abc48  abc58  abc68  abc78  abc88  abc98
```

```
[root@ip-10-0-1-52 test]# df -h
```

Filesystem	Size	Used	Avail	Use%	Mounted on
devtmpfs	468M	0	468M	0%	/dev
tmpfs	477M	0	477M	0%	/dev/shm
tmpfs	477M	412K	476M	1%	/run
tmpfs	477M	0	477M	0%	/sys/fs/cgroup
/dev/xvda1	8.0G	1.7G	6.4G	21%	/
tmpfs	96M	0	96M	0%	/run/user/1000
/dev/xvdf	4.8G	24K	4.6G	1%	/test

```
[root@ip-10-0-1-52 test]# blkid
```

```
/dev/xvda1: UUID="ea7bce70-1e61-4f9b-b04a-fd919874bf76" TYPE="xfs"
" PARTLABEL="Linux" PARTUUID="829db2fb-6063-4ead-a561-810252f3ae6f"
/dev/xvdf: UUID="fdd204ce-1f58-4e6c-8379-6e8b373cec60" TYPE="ext4"
```

```
[root@ip-10-0-1-52 test]# vi /etc/fstab
```

```
[root@ip-10-0-1-52 test]# |
```



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root@ip-10-0-1-52:/test

```
#  
UUID=ea7bce70-1e61-4f9b-b04a-fd919874bf76      /          xfs      defaults,n  
oatime 1 1  
UUID=ea7bce70-1e61-4f9b-b04a-fd919874bf76      /test      ext4      defaults,n  
oatime 1 1|  
~  
~  
~  
~  
~  
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~  
~  
~  
~  
~  
~  
~  
~  
-- INSERT --
```

3,89

All



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Temps rise



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root@ip-10-0-1-52:/test

```
/dev/xvda1: LABEL="/" UUID="ea7bce70-1e61-4f9b-b04a-fd919874bf76" TYPE="xfs"
" PARTLABEL="Linux" PARTUUID="829db2fb-6063-4ead-a561-810252f3ae6f"
/dev/xvdf: UUID="fdd204ce-1f58-4e6c-8379-6e8b373cec60" TYPE="ext4"
[root@ip-10-0-1-52 test]# vi /etc/fstab
[root@ip-10-0-1-52 test]# vi /etc/fstab
[root@ip-10-0-1-52 test]# vi /etc/fstab
[root@ip-10-0-1-52 test]# mount -a
mount: /test: /dev/xvda1 already mounted on /.
[root@ip-10-0-1-52 test]# cd /test
[root@ip-10-0-1-52 test]# ls
abc1   abc19  abc29  abc39  abc49  abc59  abc69  abc79  abc89  abc99
abc10  abc2   abc3   abc4   abc5   abc6   abc7   abc8   abc9   lost+found
abc100 abc20  abc30  abc40  abc50  abc60  abc70  abc80  abc90
abc11  abc21  abc31  abc41  abc51  abc61  abc71  abc81  abc91
abc12  abc22  abc32  abc42  abc52  abc62  abc72  abc82  abc92
abc13  abc23  abc33  abc43  abc53  abc63  abc73  abc83  abc93
abc14  abc24  abc34  abc44  abc54  abc64  abc74  abc84  abc94
abc15  abc25  abc35  abc45  abc55  abc65  abc75  abc85  abc95
abc16  abc26  abc36  abc46  abc56  abc66  abc76  abc86  abc96
abc17  abc27  abc37  abc47  abc57  abc67  abc77  abc87  abc97
abc18  abc28  abc38  abc48  abc58  abc68  abc78  abc88  abc98
[root@ip-10-0-1-52 test]#
```



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Name Instance ID Instance state

Testing-server i-07004e3cd5794b592 Running

- i-0c1a7b1b220eb0773 Running

Stop instance Start instance Reboot instance Hibernate instance

Terminate instance status check Alarm status Available

2/2 checks passed No alarms + us-east-2

2/2 checks passed No alarms + us-east-2

Instance: i-07004e3cd5794b592 (Testing-server)

Details Security Networking Storage Status checks Monitoring Tags

Instance summary Info

Instance ID	Public IPv4 address	Private IPv4 addresses
i-07004e3cd5794b592 (Testing-server)	3.141.35.148  open address	10.0.1.52
IPv6 address	Instance state	Public IPv4 DNS
-	Running	ec2-3-141-35-148.us-east-2.compute.amazonaws.com  open address

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Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Avg.
Testing-server	i-07004e3cd5794b592	Running	t2.micro	2/2 checks passed	No alarms	us-
-	i-					

Stop instance?

Instance IDs

i-07004e3cd5794b592 (Testing-server)

To confirm that you want to stop the instance, choose the Stop button below.

Cancel

Stop

Instance ID: i-07004e3cd5794b592 (Testing-server)

Public IPv4 address: 3.141.35.148 [open address]

Private IPv4 addresses: 10.0.1.52

IPv6 address: -

Instance state: Running

Public IPv4 DNS: ec2-3-141-35-148.us-east-2.compute.amazonaws.com [open address]

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- i-0c1a7b1b220eb0773 Running ○ 2/2 checks passed No alarms + us-east-2b

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Instance: i-07004e3cd5794b592 (Testing-server)

Details Security Networking Storage Status checks Monitoring Tags

Instance summary Info

Instance ID	Public IPv4 address	Private IPv4 addresses
i-07004e3cd5794b592 (Testing-server)	3.143.7.221 [open address]	10.0.1.52
IPv6 address	Instance state	Public IPv4 DNS
-	Running	ec2-3-143-7-221.us-east-2.compute.amazonaws.com [open address]
Hostname type	Private IP DNS name (IPv4 only)	
IP name: ip-10-0-1-52.us-east-2.compute.internal	ip-10-0-1-52.us-east-2.compute.internal	

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