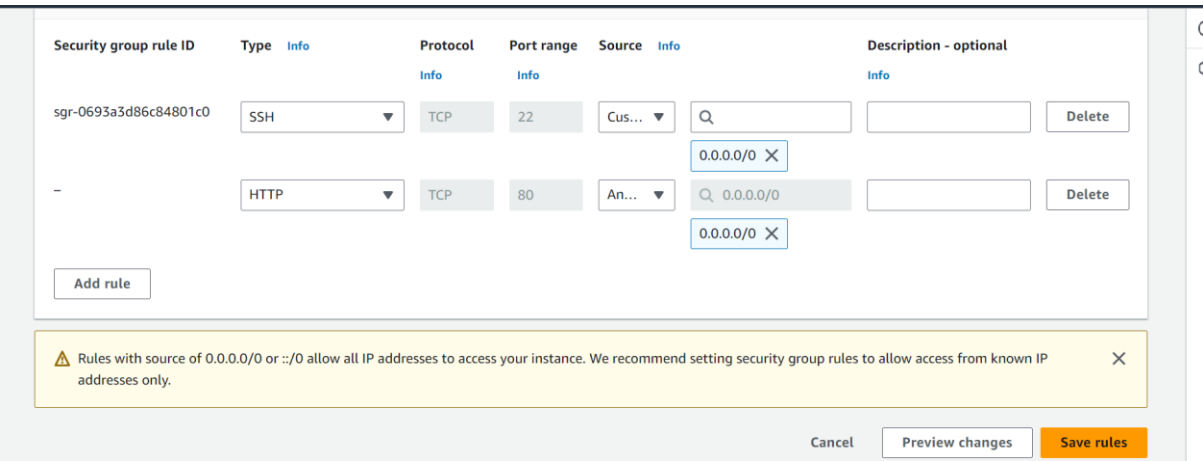
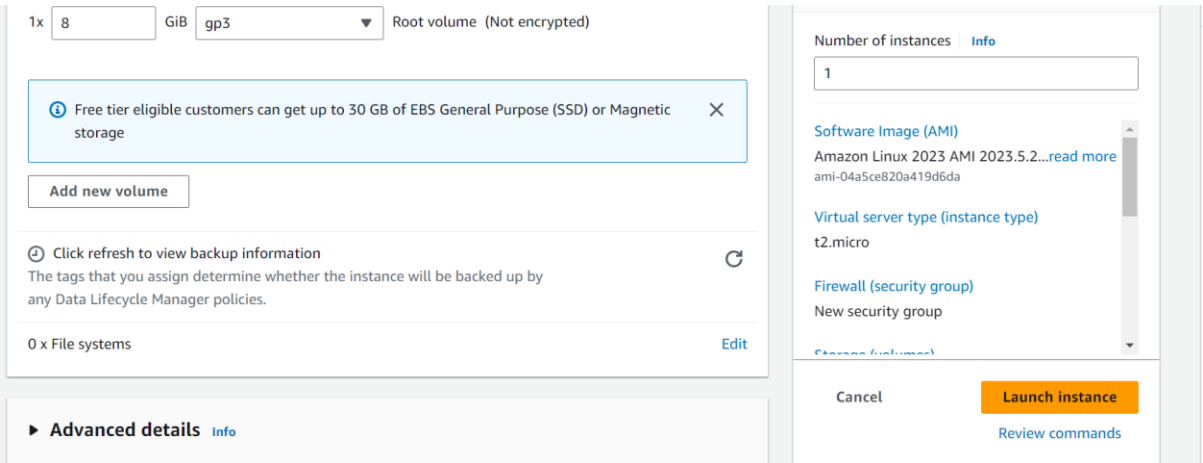
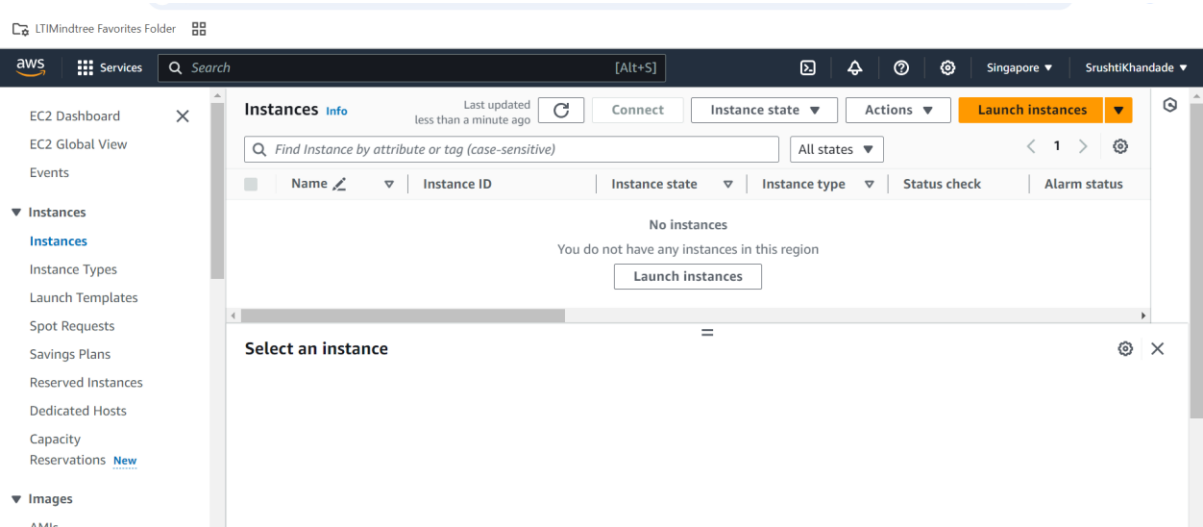


Instances through AMIs




EC2 Instance Connect

Session Manager

SSH client

EC2 serial console


Instance ID

 i-081fb68741fa336a8 (server-test)


1. Open an SSH client.


2. Locate your private key file. The key used to launch this instance is dev.pem


3. Run this command, if necessary, to ensure your key is not publicly viewable.


 `chmod 400 "dev.pem"`

4. Connect to your instance using its Public DNS:

 `ec2-18-136-195-160.ap-southeast-1.compute.amazonaws.com`

 Command copied

 `ssh -i "dev.pem" ec2-user@ec2-18-136-195-160.ap-southeast-1.compute.amazonaws.com`

 **Note:** In most cases, the guessed username is correct. However, read your AMI usage instructions to check if the AMI owner has changed the default AMI username.

[illegible]

```
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently added 'ec2-18-136-195-160.ap-southeast-1.compute.amazonaws.com' (ED2
#_
~\  #####_      Amazon Linux 2023
~~ \_#####\
~~ \_###|
~~ \#/  _ _ _
~~  V~'  ' ->
      /
     /
    /
   /
  /
 /
/_/m/'

[ec2-user@ip-172-31-31-233 ~]$ sudo su -
[root@ip-172-31-31-233 ~]# yum update -y
Last metadata expiration check: 0:04:31 ago on Sun Sep  8 10:04:15 2024.
Dependencies resolved.
Nothing to do.
Complete!
[root@ip-172-31-31-233 ~]# |
```

```

package httpd is not installed
[root@ip-172-31-31-233 ~]# yum install httpd -y
Last metadata expiration check: 0:06:16 ago on Sun Sep  8 10:04:15 2024.
Dependencies resolved.
=====
Package                        Architecture      Version           Repository        Size
=====
Installing:
httpd                         x86_64            2.4.62-1.amzn2023    amazonlinux        48 k
Installing dependencies:
apr                           x86_64            1.7.2-2.amzn2023.0.2    amazonlinux        129 k
apr-util                      x86_64            1.6.3-1.amzn2023.0.1    amazonlinux        98 k
generic-logos-httpd          noarch            18.0.0-12.amzn2023.0.3    amazonlinux        19 k
httpd-core                    x86_64            2.4.62-1.amzn2023    amazonlinux        1.4 M
httpd-filesystem              noarch            2.4.62-1.amzn2023    amazonlinux        14 k
httpd-tools                   x86_64            2.4.62-1.amzn2023    amazonlinux        81 k
libbrotli                     x86_64            1.0.9-4.amzn2023.0.2    amazonlinux        315 k
mailcap                       noarch            2.1.49-3.amzn2023.0.3    amazonlinux        33 k
Installing weak dependencies:
apr-util-openssl              x86_64            1.6.3-1.amzn2023.0.1    amazonlinux        17 k
mod_http2                     x86_64            2.0.27-1.amzn2023.0.3    amazonlinux        166 k
mod_lua                       x86_64            2.4.62-1.amzn2023    amazonlinux        61 k
=====
Transaction Summary
=====
Install 12 Packages

```

```

Installed:
apr-1.7.2-2.amzn2023.0.2.x86_64
apr-util-openssl-1.6.3-1.amzn2023.0.1.x86_64
httpd-2.4.62-1.amzn2023.x86_64
httpd-filesystem-2.4.62-1.amzn2023.noarch
libbrotli-1.0.9-4.amzn2023.0.2.x86_64
mod_http2-2.0.27-1.amzn2023.0.3.x86_64
apr-util-1.6
generic-logos-httpd
httpd-core-2
httpd-tools-2
mailcap-2.1
mod_lua-2.4

```

```

Complete!
[root@ip-172-31-31-233 ~]# rpmquery httpd
httpd-2.4.62-1.amzn2023.x86_64
[root@ip-172-31-31-233 ~]# |

```

```

Complete!
[root@ip-172-31-31-233 ~]# rpmquery httpd
httpd-2.4.62-1.amzn2023.x86_64
[root@ip-172-31-31-233 ~]# cd /var/www/html/
[root@ip-172-31-31-233 html]# echo "Hiee my name is Srushti" >index.html
[root@ip-172-31-31-233 html]# ll
total 4
-rw-r--r--. 1 root root 24 Sep  8 10:12 index.html
[root@ip-172-31-31-233 html]# cat index.html
Hiee my name is Srushti
[root@ip-172-31-31-233 html]# cd
[root@ip-172-31-31-233 ~]# |

```

```

Complete!
[root@ip-172-31-31-233 ~]# rpmquery httpd
httpd-2.4.62-1.amzn2023.x86_64
[root@ip-172-31-31-233 ~]# cd /var/www/html/
[root@ip-172-31-31-233 html]# echo "Hiee my name is Srushti" >index.html
[root@ip-172-31-31-233 html]# ll
total 4
-rw-r--r--. 1 root root 24 Sep  8 10:12 index.html
[root@ip-172-31-31-233 html]# cat index.html
Hiee my name is Srushti
[root@ip-172-31-31-233 html]# cd
[root@ip-172-31-31-233 ~]# systemctl start httpd
[root@ip-172-31-31-233 ~]# systemctl enable httpd

```

```
Hiiee my name is Srushti
[root@ip-172-31-31-233 ~]# curl http://localhost
Hiiee my name is Srushti
[root@ip-172-31-31-233 ~]# ip a s
1: lo: <LOOPBACK,UP,LOWER_UP> mtu 65536 qdisc noqueue state UNKNOWN group default qlen 1000
    link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00
    inet 127.0.0.1/8 scope host lo
        valid_lft forever preferred_lft forever
    inet6 ::1/128 scope host noprefixroute
        valid_lft forever preferred_lft forever
2: enX0: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 9001 qdisc fq_codel state UP group default qlen 1000
    link/ether 02:73:91:c8:82:9b brd ff:ff:ff:ff:ff:ff
    altname eni-07d0681afe4ee4059
    altname device-number-0.0
    inet 172.31.31.233/20 metric 512 brd 172.31.31.255 scope global dynamic enX0
        valid_lft 2941sec preferred_lft 2941sec
    inet6 fe80::73:91ff:fec8:829b/64 scope link
        valid_lft forever preferred_lft forever
[root@ip-172-31-31-233 ~]# |
```

```
1: lo: <LOOPBACK,UP,LOWER_UP> mtu 65536 qdisc noqueue state UNKNOWN group default qlen 1000
    link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00
    inet 127.0.0.1/8 scope host lo
        valid_lft forever preferred_lft forever
    inet6 ::1/128 scope host noprefixroute
        valid_lft forever preferred_lft forever
2: enX0: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 9001 qdisc fq_codel state UP group default qlen 1000
    link/ether 02:73:91:c8:82:9b brd ff:ff:ff:ff:ff:ff
    altname eni-07d0681afe4ee4059
    altname device-number-0.0
    inet 172.31.31.233/20 metric 512 brd 172.31.31.255 scope global dynamic enX0
        valid_lft 2941sec preferred_lft 2941sec
    inet6 fe80::73:91ff:fec8:829b/64 scope link
        valid_lft forever preferred_lft forever
[root@ip-172-31-31-233 ~]# curl http://172.31.31.233
Hiiee my name is Srushti
[root@ip-172-31-31-233 ~]# yum install vsftpd -y
Last metadata expiration check: 0:12:04 ago on Sun Sep  8 10:04:15 2024.
Dependencies resolved.
```

Package	Architecture	Version	Repository
Installing:			
vsftpd	x86_64	3.0.5-1.amzn2023.0.2	amazonlinux
Transaction Summary			

```
Complete!
[root@ip-172-31-31-233 ~]# yum install cifs-utils -y
Last metadata expiration check: 0:12:48 ago on Sun Sep  8 10:04:15 2024.
Dependencies resolved.
```

Package	Architecture	Version	Repository	Size
Installing:				
cifs-utils	x86_64	6.15-1.amzn2023.0.2	amazonlinux	95 k
Installing dependencies:				
avahi-libs	x86_64	0.8-14.amzn2023.0.12	amazonlinux	68 k
libcui	x86_64	67.1-7.amzn2023.0.3	amazonlinux	9.6 M
libwbclient	x86_64	2:4.17.12-1.amzn2023.0.1	amazonlinux	47 k
samba-client-libs	x86_64	2:4.17.12-1.amzn2023.0.1	amazonlinux	5.0 M
samba-common	noarch	2:4.17.12-1.amzn2023.0.1	amazonlinux	153 k
samba-common-libs	x86_64	2:4.17.12-1.amzn2023.0.1	amazonlinux	106 k
Installing weak dependencies:				
cifs-utils-info	x86_64	6.15-1.amzn2023.0.2	amazonlinux	20 k
Transaction Summary				
Install 8 Packages				

```
Complete!
[root@ip-172-31-31-233 ~]# yum install tree -y
Last metadata expiration check: 0:13:26 ago on Sun Sep  8 10:04:15 2024.
Dependencies resolved.
=====
Package                Architecture          Version               Repository
=====
Installing:
tree                   x86_64                1.8.0-6.amzn2023.0.2  amazonlinux

Transaction Summary
=====
Install 1 Package

Total download size: 56 k
Installed size: 113 k
Downloading Packages:
tree-1.8.0-6.amzn2023.0.2.x86_64.rpm                                812 kB/s | 56 kB    00:00
-----
Total                                                                426 kB/s | 56 kB    00:00
Running transaction check
Transaction check succeeded.
Running transaction test
Transaction test succeeded.
Running transaction
  Preparing      :
  Installing     : tree-1.8.0-6.amzn2023.0.2.x86_64
  Running scriptlet: tree-1.8.0-6.amzn2023.0.2.x86_64
  Verifying      : tree-1.8.0-6.amzn2023.0.2.x86_64

Installed:
```

Instances (1/1) Info

Last updated less than a minute ago

Connect

Instance state ▾

Actions ▾

Launch instances ▾

Find Instances

☒

Name

☒

server-test

Stop instance

Stopping your instance allows you to update systems, change setting, fix problems, and manage costs

Instance ID

Stop protection

i-081fb68741fa336a8

Off (Can stop instance)

You will be billed for associated resources

After you stop the instance, you are no longer charged usage or data transfer fees for it. However, you will still be billed for associated Elastic IP addresses and EBS volumes.

► Associated resources

You will continue to incur charges for these resources while the instance is stopped

Cancel

Stop

i-081fb68741fa336a8 (server-test)

Last updated
n a minute ago

ing (case-sensitive)

Instance ID

fb68741fa336a8

Launch instances

Launch instance from template

Migrate a server

Connect

Force stop instance

Start instance

Reboot instance

Hibernate instance

Terminate (delete) instance

Instance settings

Networking

Security

Image and templates

Monitor and troubleshoot

▼

Action

All states ▼

Instance type ▼

micro

ver-test)

Add volume

During the image creation process, Amazon EC2 creates a snapshot of each of the above volumes.

Tags - optional

A tag is a label that you assign to an AWS resource. Each tag consists of a key and an optional value. You can use tags to search and filter your resources or track your AWS costs.

☒ Tag image and snapshots together

Tag the image and the snapshots with the same tag.

☐ Tag image and snapshots separately

Tag the image and the snapshots with different tags.

No tags associated with the resource.

Add new tag

You can add up to 50 more tags.

Cancel

Create image

Amazon Machine Images (AMIs) (1/3) Info

Recycle Bin

EC2 Image Builder

Actions ▼

Launch instance from AMI

Owned by me ▼

Find AMI by attribute or tag

< 1 > ⚙

	Name	AMI name	AMI ID	Source
<input type="checkbox"/>		new-img1	ami-090db086bcb0af50c	442042551387/new-img1
<input checked="" type="checkbox"/>		img1	ami-066d527aaa40a1377	442042551387/img1
<input type="checkbox"/>		new-img	ami-04c037502be507e8f	442042551387/new-img

Services

Search

[Alt+S]

Singapore

SrushtiKhandade

Launch an instance

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

Name

Add additional tags

Application and OS Images (Amazon Machine Image)

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

Summary

Number of instances

Software Image (AMI)

img1
ami-066d527aaa40a1377

Virtual server type (instance type)

t2.micro

Firewall (security group)

New security group

Cancel

Launch instance

[EC2](#) > [Instances](#) > Launch an instance

Success

Successfully initiated launch of instance (i-0b89a5c822a8902fa)

Launch log

Next Steps

< 1 2 3 4 5 6 >

Create billing and free tier usage alerts

Connect to your instance

Connect an RDS database

Create EBS snapshot policy

Amazon Machine Images (AMIs) (1/3)

Refresh

Recycle Bin

EC2 Image Builder

Actions

Launch instance from AMI

Owned by me

Find AMI by attribute or tag

	Name	AMI name
<input type="checkbox"/>		new-img
<input checked="" type="checkbox"/>		img1
<input type="checkbox"/>		new-img1

AMI ID: ami-066d527aaa40a1377

Details

Permissions

Storage

Tags

AMI ID

Image type

ami-066d527aaa40a1377

machine

Copy AMI

Edit AMI permissions

Request Spot Instances

Manage tags

Deregister AMI

Manage AMI deregistration protection

Change description

Configure fast launch

Manage AMI Deprecation

Register instance store-backed AMI

Disable AMI

Source

42042551387/new-


42042551387/img1

42042551387/new-

Root device type

EBS

Original AMI ID

 [ami-066d527aaa40a1377](#)

AMI copy name

img1

AMI copy description

[Copied ami-066d527aaa40a1377 from ap-southeast-1] img1

Destination Region

A copy of the original AMI will be created in the destination Region.

Asia Pacific (Seoul)

☐ Copy tags

Includes your user-defined AMI tags when copying the AMI.

☐ Encrypt EBS snapshots of AMI copy





Encrypts all snapshots in the AMI copy with the same key.

Tags - optional

A tag is a label that you assign to an AWS resource. Each tag consists of a key and an optional value. You can use tags to search and f

Search

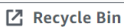


[Alt+S]




Seoul ▼


SrushtiKhandade ▼

Amazon Machine Images (AMIs) (1) [Info](#)



 Recycle Bin EC2 Image BuilderActions ▼Launch instance from AMI

Owned by me ▼

< 1 > 

<input type="checkbox"/>	Name 	AMI name	AMI ID	Source
<input type="checkbox"/>		img1	ami-0d9b218de04a3d4f3	442042551387/img1

Select an AMI



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](#)

ap-southeast-1b ▼

✓ Successfully created volume vol-07f086a51d4aeef3e.



Volumes (1/2) [Info](#)

Q Search

	Name ▼	Volume ID ▼	Type ▼	Size ▼	IOPS
<input type="checkbox"/>	-	vol-0618f7d994e9ca26e	gp3	8 GiB	3000
<input checked="" type="checkbox"/>	vol1	vol-07f086a51d4aeef3e	gp2	5 GiB	100

Volume ID: vol-07f086a51d4aeef3e (vol1)

[Details](#) [Status checks](#) [Monitoring](#) [Tags](#)

Volume ID	Size	Type
 vol-07f086a51d4aeef3e (vol1)	 5 GiB	gp2

Actions ▲

Create volume

- Modify volume
 - Create snapshot
 - Create snapshot lifecycle policy
 - Delete volume
 - Attach volume
 - Detach volume
 - Force detach volume
 - Manage auto-enabled I/O
 - Manage tags
 - Fault injection ▶
- ✓ Okay

vol-07f086a51d4aeef3e (vol1)

Availability Zone

ap-southeast-1b

Instance [Info](#)

i-05417f0f49411b1f3



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

Device name [Info](#)

/dev/sdb

Recommended device names for Linux: /dev/xvda for root volume, /dev/sd[f-p] for data volumes.

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

Cancel

Attach volume

```
~~~~~
~~~.-.-.-
-/-/-/-/-
-/m/'

Last login: Sun Sep  8 10:42:15 2024 from 136.226.255.19
[ec2-user@ip-172-31-27-17 ~]$ sudo su -
Last login: Sun Sep  8 10:42:19 UTC 2024 on pts/1
[root@ip-172-31-27-17 ~]# lsblk
NAME        MAJ:MIN RM  SIZE RO TYPE MOUNTPOINTS
xvda         202:0    0   8G  0 disk
├─xvda1       202:1    0   8G  0 part /
├─xvda127     259:0    0    1M  0 part
└─xvda128     259:1    0   10M  0 part /boot/efi
xvdb         202:16   0    5G  0 disk
[root@ip-172-31-27-17 ~]# mkdir /data/
[root@ip-172-31-27-17 ~]# cd /data
[root@ip-172-31-27-17 data]# touch index.txt{1..100}
[root@ip-172-31-27-17 data]# ll
total 0
```



```
473b-0734-01b0d1e14020
/dev/xvda127: PARTLABEL="BIOS Boot Partition" PARTUUID="be846e72-2c7d-4da0-bfae-6f5692bea81c"
/dev/xvda1: LABEL="/" UUID="ce033cb1-d3d9-473c-ba89-939fd978b4cb" BLOCK_SIZE="4096" TYPE="xfs" PARTLABEL="L
5dd-4c57-9ba8-9837a4d64731"
/dev/xvdb: UUID="8999a4f3-0ec7-4b70-bf2f-495234c2e6db" BLOCK_SIZE="4096" TYPE="ext4"
[root@ip-172-31-27-17 data]# vim /etc/fstab
[root@ip-172-31-27-17 data]# mount /dev/xvdb /data/
[root@ip-172-31-27-17 data]# lsblk
NAME        MAJ:MIN RM  SIZE RO TYPE MOUNTPOINTS
xvda         202:0    0   8G  0 disk
├─xvda1      202:1    0   8G  0 part /
├─xvda127    259:0    0   1M  0 part
└─xvda128    259:1    0  10M  0 part /boot/efi
xvdb         202:16   0    5G  0 disk /data
[root@ip-172-31-27-17 data]#
```

Inc vol

Successfully attached volume vol-07f086a51d4aeef3e to instance i-05417f0f49411b1f3.

Volumes (1/2) Info

Search

	Name	Volume ID	Type	Size	IOPS
<input type="checkbox"/>	-	vol-0618f7d994e9ca26e	gp3	8 GiB	3000
<input checked="" type="checkbox"/>	vol1	vol-07f086a51d4aeef3e	gp2	5 GiB	100

Volume ID: vol-07f086a51d4aeef3e (vol1)

Details

Status checks

Monitoring

Tags

Actions

Create volume

Modify volume

Create snapshot

Create snapshot lifecycle policy

Delete volume

Attach volume

Detach volume

Force detach volume

Manage auto-enabled I/O

Manage tags

Fault injection

Volume details

Volume ID

vol-07f086a51d4aeef3e (vol1)

Volume type

Info

General Purpose SSD (gp2)

Size (GiB)

Info

7

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.

Cancel

Modify

Requested volume modification for volume [vol-07f086a51d4aef3e](#).
The volume is being modified.

Volumes (2) [Info](#) [Refresh](#) [Actions](#) [Create volume](#)

<input type="checkbox"/>	Name	Volume ID	Type	Size	IOPS	Throughput	Snapshot ID
<input type="checkbox"/>	-	vol-0618f7d994e9ca26e	gp3	8 GiB	3000	125	snap-0f046e4...
<input type="checkbox"/>	vol1	vol-07f086a51d4aef3e	gp2	7 GiB	100	-	-

Fault tolerance for all volumes in this Region [Settings](#) [Close](#)

```
[root@ip-172-31-27-17 data]# lsblk
NAME        MAJ:MIN RM  SIZE RO TYPE MOUNTPOINTS
xvda        202:0    0   8G  0 disk
├─xvda1      202:1    0   8G  0 part /
├─xvda127    259:0    0    1M  0 part
└─xvda128    259:1    0   10M  0 part /boot/efi
xvdb        202:16   0    7G  0 disk /data
```

```
[root@ip-172-31-27-17 data]# df -h
Filesystem      Size  Used Avail Use% Mounted on
devtmpfs        4.0M    0  4.0M   0% /dev
```

```
[root@ip-172-31-27-17 data]# resize2fs /dev/xvdb
resize2fs 1.46.5 (30-Dec-2021)
Filesystem at /dev/xvdb is mounted on /data; on-line resizing required
old_desc_blocks = 1, new_desc_blocks = 1
The filesystem on /dev/xvdb is now 1835008 (4k) blocks long.
```

```
[root@ip-172-31-27-17 data]#
```

```
old_desc_blocks = 1, new_desc_blocks = 1
The filesystem on /dev/xvdb is now 1835008 (4k) blocks long.
```

```
[root@ip-172-31-27-17 data]# df -h
Filesystem      Size  Used Avail Use% Mounted on
devtmpfs        4.0M    0  4.0M   0% /dev
tmpfs           475M    0  475M   0% /dev/shm
tmpfs           190M  460K  190M   1% /run
/dev/xvda1      8.0G  1.6G  6.4G  21% /
tmpfs           475M    0  475M   0% /tmp
/dev/xvda128    10M   1.3M   8.7M  13% /boot/efi
tmpfs           95M    0    95M   0% /run/user/1000
/dev/xvdb       6.9G   24K  6.5G   1% /data
[root@ip-172-31-27-17 data]# ll
```

dec vol

Volume type [Info](#)

General Purpose SSD (gp2) ▼

Size (GiB) [Info](#)

4

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](#)

ap-southeast-1b ▼

Snapshot ID [optional](#) [Info](#)

Volumes (1/3) [Info](#)

Q Search

	Name ▼	Volume ID ▼	Type ▼	Size ▼	IOPS
<input type="checkbox"/>	-	vol-0618f7d994e9ca26e	gp3	8 GiB	3000
<input type="checkbox"/>	vol1	vol-07f086a51d4aeef3e	gp2	7 GiB	100
<input checked="" type="checkbox"/>	vol2	vol-0b26898f3e9902765	gp2	4 GiB	100

Volume ID: **vol-0b26898f3e9902765 (vol2)**

Details

Status checks

Monitoring

Tags

Volume ID vol-0b26898f3e9902765 (vol2)	Size 4 GiB	Type gp2	Volume status Okay
---	---------------	-------------	-----------------------

Actions ▲

Create volume

Modify volume

Create snapshot

Create snapshot lifecycle policy

Delete volume

Attach volume

Detach volume

Force detach volume

Manage auto-enabled I/O

Manage tags

Fault injection ▶

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-0b26898f3e9902765](#) (vol2)

Availability Zone

ap-southeast-1b

Instance [Info](#)



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

Device name [Info](#)

```
[root@ip-172-31-27-17 ~]# cd /data
[root@ip-172-31-27-17 ~]# lsblk
NAME        MAJ:MIN RM  SIZE RO TYPE MOUNTPOINTS
xvda         202:0    0   8G  0 disk
├─xvda1      202:1    0   8G  0 part /
├─xvda127    259:0    0    1M  0 part
└─xvda128    259:1    0   10M  0 part /boot/efi
xvdb         202:16   0    7G  0 disk /data
xvdc         202:32   0    4G  0 disk
[root@ip-172-31-27-17 ~]#
```

```
xvdc         202:32   0    4G  0 disk
[root@ip-172-31-27-17 ~]# mkdir /file/
[root@ip-172-31-27-17 ~]# cd /file
[root@ip-172-31-27-17 file]# touch srushti.txt{1..100}
[root@ip-172-31-27-17 file]# ll
total 0
```

```

[root@ip-172-31-27-17 file]# mkfs.ext4 /dev/xvdc
mke2fs 1.46.5 (30-Dec-2021)
Creating filesystem with 1048576 4k blocks and 262144 inodes
Filesystem UUID: 938f045b-a4df-476c-bf71-d6c82723fe05
Superblock backups stored on blocks:
    32768, 98304, 163840, 229376, 294912, 819200, 884736

Allocating group tables: done
Writing inode tables: done
Creating journal (16384 blocks): done
Writing superblocks and filesystem accounting information: done

[root@ip-172-31-27-17 file]# mkfs -t
mkfs.ext2: option requires an argument -- 't'
Usage: mkfs.ext2 [-c|-l filename] [-b block-size] [-C cluster-size]
        [-i bytes-per-inode] [-I inode-size] [-J journal-options]
        [-G flex-group-size] [-N number-of-inodes] [-d root-directory]
        [-m reserved-blocks-percentage] [-o creator-os]
        [-g blocks-per-group] [-L volume-label] [-M last-mounted-directory]
        [-O feature[,...]] [-r fs-revision] [-E extended-option[,...]]
        [-t fs-type] [-T usage-type ] [-U UUID] [-e errors_behavior][-z undo_file]
        [-jnvDFSV] device [blocks-count]

[root@ip-172-31-27-17 file]# lsblk
NAME        MAJ:MIN RM  SIZE RO TYPE MOUNTPOINTS
xvda         202:0    0   8G  0 disk
├─xvda1      202:1    0   8G  0 part /
├─xvda127    259:0    0    1M  0 part
└─xvda128    259:1    0   10M  0 part /boot/efi
xvdb         202:16   0    7G  0 disk /data
xvdc         202:32   0    4G  0 disk

```

```

xvdc         202:32   0    4G  0 disk
[root@ip-172-31-27-17 file]# vim /etc/fstab
4L, 293B written
[root@ip-172-31-27-17 file]# mount /dev/xvdc /file/
[root@ip-172-31-27-17 file]# lsblk
NAME        MAJ:MIN RM  SIZE RO TYPE MOUNTPOINTS
xvda         202:0    0   8G  0 disk
├─xvda1      202:1    0   8G  0 part /
├─xvda127    259:0    0    1M  0 part
└─xvda128    259:1    0   10M  0 part /boot/efi
xvdb         202:16   0    7G  0 disk /data
xvdc         202:32   0    4G  0 disk /file
[root@ip-172-31-27-17 file]# cd
[root@ip-172-31-27-17 ~]# cd /data
[root@ip-172-31-27-17 data]#

```

```

[root@ip-172-31-27-17 data]# cd
[root@ip-172-31-27-17 ~]# cd /data
[root@ip-172-31-27-17 data]# mv * /file/
[root@ip-172-31-27-17 data]# ll
total 0
[root@ip-172-31-27-17 data]# cd
[root@ip-172-31-27-17 ~]# cd /file/
[root@ip-172-31-27-17 file]# ll
total 4

```