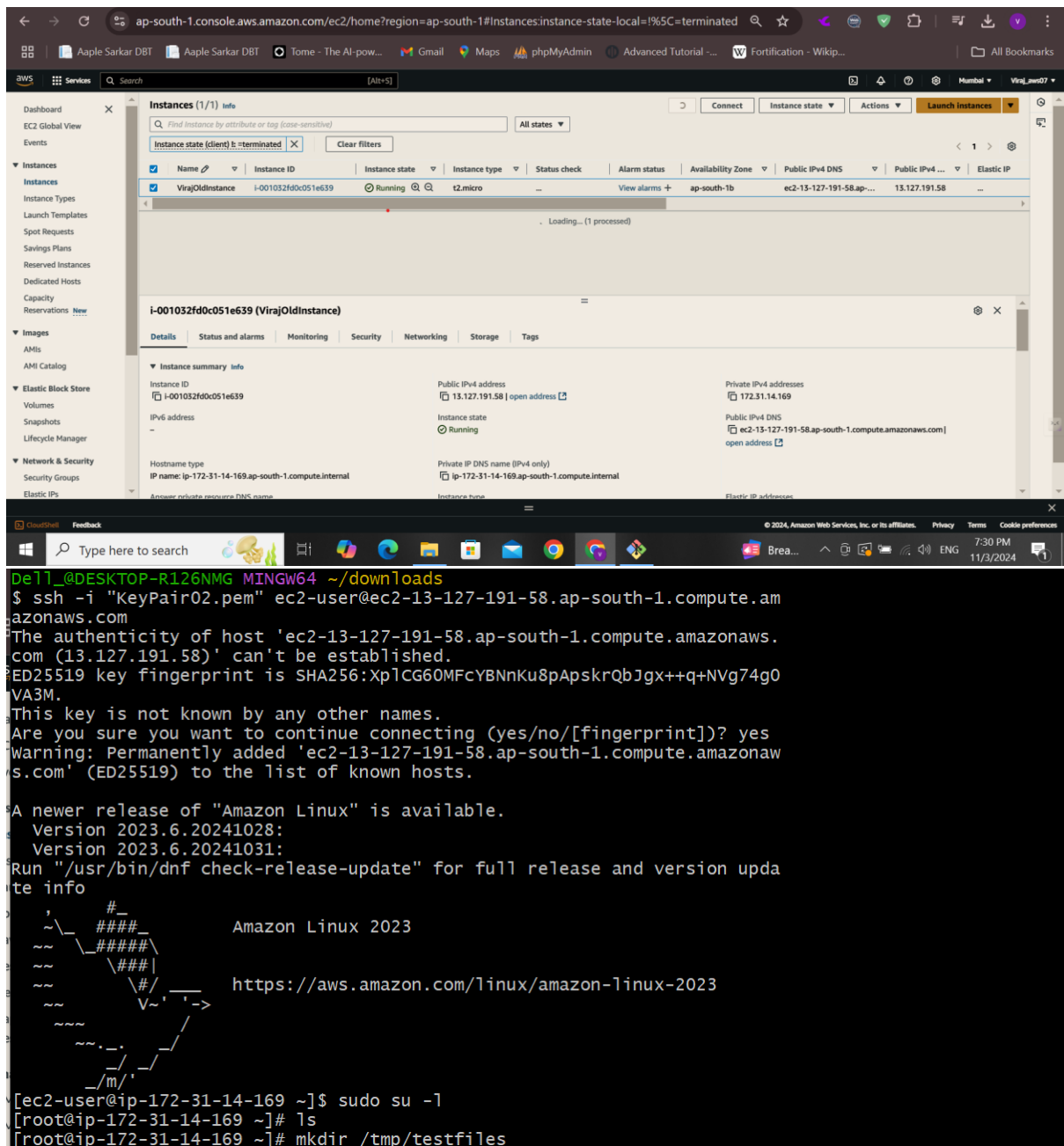


### ***Practical – 1***

### Screenshots of Practical :-





ap-south-1.console.aws.amazon.com/ec2/home?region=ap-south-1#Volumes:

Dashboard EC2 Global View Events

Instances Instance Types Launch Templates Spot Requests Savings Plans Reserved Instances Dedicated Hosts Capacity Reservations

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Network & Security Security Groups Elastic IPs

### Volumes (2) Info

Name	Volume ID	Type	Size	IOPS	Throughput	Snapshot ID	Created	Availability Zone	Volume state	Alarm
-	vol-08ba3d505083e871	gp3	10 GiB	3000	125	snap-0875c14...	2024/11/03 19:37 GMT+5...	ap-south-1b	In-use	No alar
-	vol-06a33d98342be7677	gp3	8 GiB	3000	125	snap-0875c14...	2024/11/03 19:04 GMT+5...	ap-south-1b	In-use	No alar

**Fault tolerance for all volumes in this Region**

**Snapshot summary** Last updated on Sun, Nov 03, 2024, 07:43:30 PM (GMT+05:30)

Recently backed up volumes / Total # volumes

0 / 2

Data Lifecycle Manager default policy for EBS Snapshots status  
No default policy set up | Create policy

CloudShell Feedback

Type here to search

26°C 7:43 PM 11/3/2024

Successfully detached volume.

### Volumes (2) Info

IOPS	Throughput	Snapshot ID	Created	Availability Zone	Volume state	Alarm status	Attached resources	Volume sta...	Encryption
3000	125	snap-0875c14...	2024/11/03 19:37 GMT+5...	ap-south-1b	In-use	No alarms	+ i-07ab2468c4707f3e2 (vira...	Okay	Not encrypted
3000	125	snap-0875c14...	2024/11/03 19:04 GMT+5...	ap-south-1b	Available	No alarms	+ -	Okay	Not encrypted

**Fault tolerance for all volumes in this Region**

**Snapshot summary** Last updated on Sun, Nov 03, 2024, 07:43:30 PM (GMT+05:30)

Recently backed up volumes / Total # volumes

0 / 2

Data Lifecycle Manager default policy for EBS Snapshots status  
No default policy set up | Create policy

CloudShell Feedback

Type here to search

26°C 7:45 PM 11/3/2024

### Instances (1/2) Info

Find Instance by attribute or tag (case-sensitive) All states

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 DNS	Public IPv4 ...	Elastic IP
VirajOldInstance	i-001032f0c051e639	Stopped	t2.micro	-	View alarms +	ap-south-1b	-	-	-
VirajNewInstance	i-07ab2468c4707f3e2	Stopping	t2.micro	-	View alarms +	ap-south-1b	ec2-3-110-40-221.ap-s...	3.110.40.221	-

**i-07ab2468c4707f3e2 (virajNewInstance)**

Details Status and alarms Monitoring Security Networking Storage Tags

**Instance summary Info**

Instance ID i-07ab2468c4707f3e2

Public IPv4 address 3.110.40.221 | open address

Private IPv4 addresses 172.31.14.21

Instance state Stopping

Public IPv4 DNS ec2-3-110-40-221.ap-south-1.compute.amazonaws.com | open address

Hostname type IP name: ip-172-31-14-21.ap-south-1.compute.internal

Private IP DNS name (IPv4 only) ip-172-31-14-21.ap-south-1.compute.internal

Answer private resource DNS name IPv4 (A)

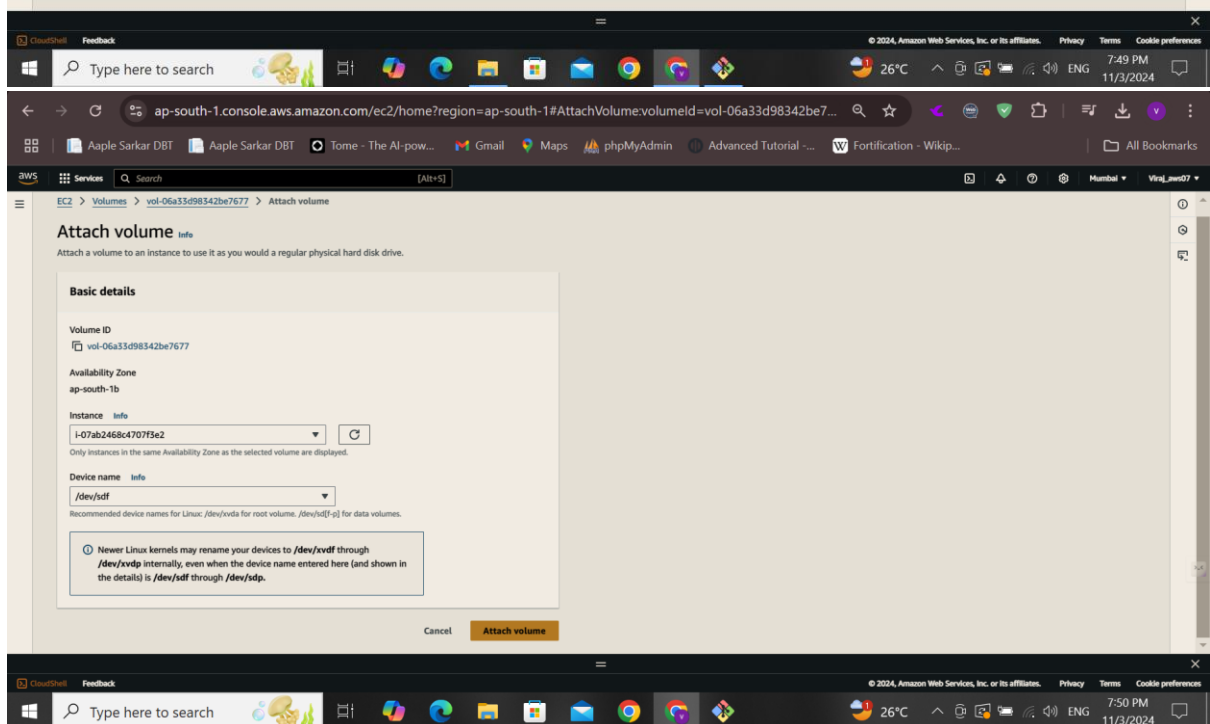
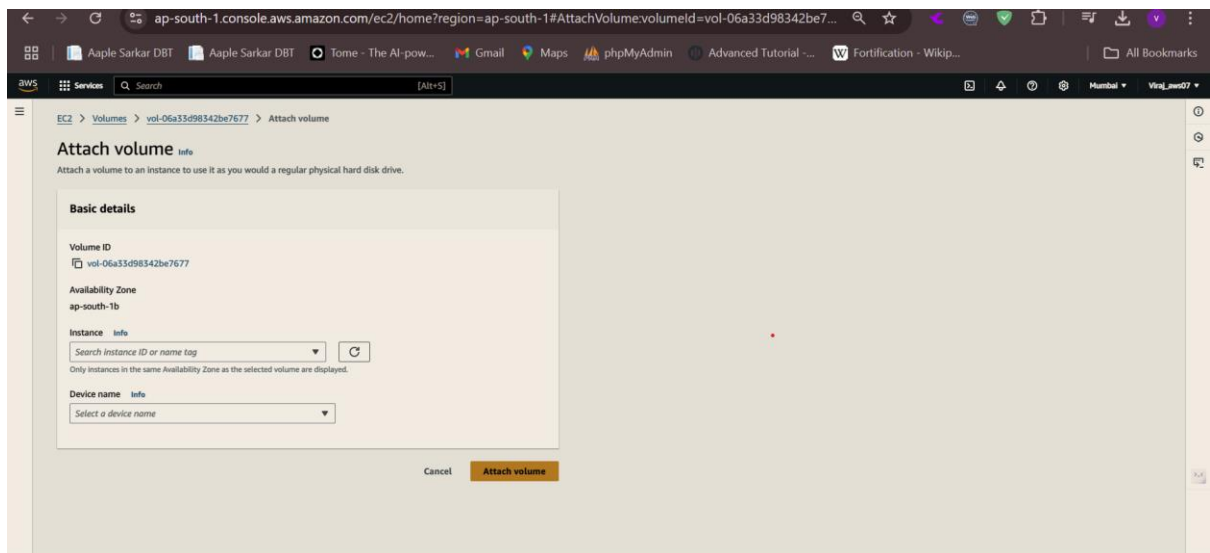
Instance type t2.micro

Elastic IP addresses

CloudShell Feedback

Type here to search

26°C 7:47 PM 11/3/2024



ap-south-1.console.aws.amazon.com/ec2/home?region=ap-south-1#Volumes:

Services [Alt+S]

### Volumes (2) Info

	Availability Zone	Volume state	Alarm status	Attached resources	Volume sta...	Encryption	KMS key ID	KMS key al...	Fast snaps...	Mu
/03 19:37 GMT+5:...	ap-south-1b	In-use	No alarms	+ i-07ab2468c4707f5e2 (vira...	Okay	Not encrypted	-	-	No	No
/03 19:04 GMT+5:...	ap-south-1b	In-use	No alarms	+ i-07ab2468c4707f5e2 (vira...	Okay	Not encrypted	-	-	No	No

**Fault tolerance for all volumes in this Region**

**Snapshot summary** Last updated on Sun, Nov 03, 2024, 07:43:30 PM (GMT+05:30)

Recently backed up volumes / Total # volumes: 0 / 2

Data Lifecycle Manager default policy for EBS Snapshots status: No default policy set up | [Create policy](#)

CloudShell Feedback

Type here to search

ap-south-1.console.aws.amazon.com/ec2/home?region=ap-south-1#instances.v=3,ycase=tags:true%3C,client:fa...

Services [Alt+S]

Successfully initiated starting of i-07ab2468c4707f5e2

### Instances (2) Info

Last updated: less than a minute ago

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 DNS	Public IPv4 ...	Elastic IP
VirajOldInstance	i-001032f0c051e639	Stopped	t2.micro	-	View alarms +	ap-south-1b	-	-	-
virajNewInstance	i-07ab2468c4707f5e2	Running	t2.micro	Initializing	View alarms +	ap-south-1b	ec2-13-235-87-101.ap...	13.235.87.101	-

**Select an instance**

[illegible]

```

root@ip-172-31-14-21 ~]#
root@ip-172-31-14-21 ~]#
root@ip-172-31-14-21 ~]#
root@ip-172-31-14-21 ~]#
root@ip-172-31-14-21 ~]#
root@ip-172-31-14-21 ~]#
root@ip-172-31-14-21 ~]#
root@ip-172-31-14-21 ~]# lsblk
NAME        MAJ:MIN RM SIZE RO TYPE MOUNTPOINTS
xvda        202:0    0  10G  0 disk
├─xvda1     202:1    0  10G  0 part /
├─xvda127   259:0    0   1M  0 part
├─xvda128   259:1    0  10M  0 part
└─xvdf      202:80    0   8G  0 disk
  ├─xvdf1    202:81    0   8G  0 part
  ├─xvdf127  259:2    0   1M  0 part
  └─xvdf128  259:3    0  10M  0 part /boot/efi
root@ip-172-31-14-21 ~]# lsblk -fp
NAME        FSTYPE FSVER LABEL UUID                               FSAVAIL FSUSE% MOUNTPOINTS
/dev/xvda
├─/dev/xvda1 xfs                      /       7b395683-8f97-49be-bc51-d7b52020feb2    8.4G    16% /
├─/dev/xvda127
├─/dev/xvda128 vfat   FAT16                53F8-484B
└─/dev/xvdf
  ├─/dev/xvdf1 xfs                      /       7b395683-8f97-49be-bc51-d7b52020feb2
  ├─/dev/xvdf127
  └─/dev/xvdf128 vfat   FAT16                53F8-484B                8.7M    13% /boot/efi
root@ip-172-31-14-21 ~]# ls /mnt
root@ip-172-31-14-21 ~]# mount -o rw,nouuid /dev/xvdf1 /mnt
root@ip-172-31-14-21 ~]# ls /mnt
bin  dev  home  lib64  media  opt  root  sbin  sys  usr
boot  etc  lib   local  mnt    proc  run   srv   tmp  var
root@ip-172-31-14-21 ~]#

```

```

root@ip-172-31-14-21 ~]#
root@ip-172-31-14-21 ~]#
root@ip-172-31-14-21 ~]#
root@ip-172-31-14-21 ~]# lsblk
NAME        MAJ:MIN RM SIZE RO TYPE MOUNTPOINTS
xvda        202:0    0  10G  0 disk
├─xvda1     202:1    0  10G  0 part /
├─xvda127   259:0    0   1M  0 part
├─xvda128   259:1    0  10M  0 part
└─xvdf      202:80    0   8G  0 disk
  ├─xvdf1    202:81    0   8G  0 part
  ├─xvdf127  259:2    0   1M  0 part
  └─xvdf128  259:3    0  10M  0 part /boot/efi
root@ip-172-31-14-21 ~]# lsblk -fp
NAME        FSTYPE FSVER LABEL UUID                               FSAVAIL FSUSE% MOUNTPOINTS
/dev/xvda
├─/dev/xvda1 xfs                      /       7b395683-8f97-49be-bc51-d7b52020feb2    8.4G    16% /
├─/dev/xvda127
├─/dev/xvda128 vfat   FAT16                53F8-484B
└─/dev/xvdf
  ├─/dev/xvdf1 xfs                      /       7b395683-8f97-49be-bc51-d7b52020feb2
  ├─/dev/xvdf127
  └─/dev/xvdf128 vfat   FAT16                53F8-484B                8.7M    13% /boot/efi
root@ip-172-31-14-21 ~]# ls /mnt
root@ip-172-31-14-21 ~]# mount -o rw,nouuid /dev/xvdf1 /mnt
root@ip-172-31-14-21 ~]# ls /mnt
bin  dev  home  lib64  media  opt  root  sbin  sys  usr
boot  etc  lib   local  mnt    proc  run   srv   tmp  var
root@ip-172-31-14-21 ~]# cat /home/centos/.ssh/authorized_keys >> /mnt/home/centos/.ssh/authorized_keys
-bash: /mnt/home/centos/.ssh/authorized_keys: No such file or directory
root@ip-172-31-14-21 ~]# umount /mnt
-bash: umount: command not found
root@ip-172-31-14-21 ~]#

```

ap-south-1.console.aws.amazon.com/ec2/home?region=ap-south-1#Instances:v=3;\$case=tags:true%5Cclient:false;...

Successfully initiated stopping of i-07ab2468c4707f3e2

Instances (1/2) Info

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 DNS	Public IPv4 ...	Elastic IP
VirajOldInstance	i-001032f9d0c051e639	Stopped	t2.micro	-	View alarms +	ap-south-1b	-	-	-
VirajNewInstance	i-07ab2468c4707f3e2	Stopped	t2.micro	-	View alarms +	ap-south-1b	-	-	-

i-07ab2468c4707f3e2 (virajNewInstance)

Details Status and alarms Monitoring Security Networking Storage Tags

Instance summary info

Instance ID	i-07ab2468c4707f3e2	Public IPv4 address	-	Private IPv4 addresses	172.31.14.21
IPv6 address	-	Instance state	Stopped	Public IPv4 DNS	-
Hostname type	-	Private IP DNS name (IPv4 only)	ip-172-31-14-21.ap-south-1.compute.internal	Elastic IP addresses	-
IP name	ip-172-31-14-21.ap-south-1.compute.internal	Instance type	t2.micro		
Answer private resource DNS name	IPv4 (a)				

CloudShell Feedback

Type here to search

ap-south-1.console.aws.amazon.com/ec2/home?region=ap-south-1#Volumes:

Successfully detached volume.

Volumes (2) Info

Volume ID	Type	Size	IOPS	Throughput	Snapshot ID	Created	Availability Zone	Volume state	Alarm status
vol-08cba3d505083e871	gp3	10 GiB	3000	125	snap-0875c14...	2024/11/03 19:37 GMT+5...	ap-south-1b	In-use	No alarms
vol-06a33d98342be7677	gp3	8 GiB	3000	125	snap-0875c14...	2024/11/03 19:04 GMT+5...	ap-south-1b	Available	No alarms

Fault tolerance for all volumes in this Region

Snapshot summary

0 / 2

Recently backed up volumes / Total # volumes

Data Lifecycle Manager default policy for EBS Snapshots status

No default policy set up | Create policy

CloudShell Feedback

Type here to search

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8:05 PM 11/3/2024



ap-south-1.console.aws.amazon.com/ec2/home?region=ap-south-1#Volumes:

Services Search [Alt+S]

Dashboard EC2 Global View

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Volumes (1/2) info

Search

Name	Volume ID	Type	Size	IOPS	Throughput	Snapshot ID	Created	Availability Zone
-	vol-08bca3d505083e871	gp3	10 GiB	3000	125	snap-0875c14...	2024/11/03 19:37 GMT+5...	ap-south-1b
-	vol-06a33d98342be7677	gp3	8 GiB	3000	125	snap-0875c14...	2024/11/03 19:04 GMT+5...	ap-south-1b

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 ID: vol-06a33d98342be7677

Details Status checks Monitoring Tags

Volume ID: vol-06a33d98342be7677

Size: 8 GiB

Type: gp3

Volume status: Okay

AWS Compute Optimizer finding: Opt-in to AWS Compute Optimizer for recommendations. | Learn more

IOPS: 3000

Throughput: 125

Fast snapshot restored: No

Availability Zone: ap-south-1b

Created: Sun Nov 03 2024 19:04:45 GMT+0530 (India Standard Time)

Multi-Attach enabled: No

Attached resources

Outposts ARN

CloudShell Feedback

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Nea... 8:08 PM 11/3/2024

ap-south-1.console.aws.amazon.com/ec2/home?region=ap-south-1#AttachVolume:volumeId=vol-06a33d98342be7...

Services Search [Alt+S]

EC2 > Volumes > vol-06a33d98342be7677 > 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-06a33d98342be7677

Availability Zone: ap-south-1b

Instance: i-001032f40c051e639

/dev/sda1

No results found.

/dev/sdb

Recommended device names for Linux: /dev/xvda for root volume, /dev/xvdf-qz 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

CloudShell Feedback

Type here to search

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27°C 8:09 PM 11/3/2024

ap-south-1.console.aws.amazon.com/ec2/home?region=ap-south-1#Instances:v=3,\$case=tags:true%5Cclient:false;...

Dashboard EC2 Global View Events

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Successfully initiated starting of i-001032fd0c051e639

Notifications 2 1 0 0 0 0

Instances (1/2) Info

Find instance by attribute or tag (case-sensitive)

All states

Last updated less than a minute ago

Connect

Instance state

Actions

Launch instances

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 DNS	Public IPv4 ...	Elastic IP
VirajOldInstance	i-001032fd0c051e639	Running	t2.micro	Initializing	View alarms +	ap-south-1b	ec2-15-206-148-201.ap...	15.206.148.201	-
VirajNewInstance	i-07ab2468c4707f3e2	Stopped	t2.micro	-	View alarms +	ap-south-1b	-	-	-

i-001032fd0c051e639 (VirajOldInstance)

Details Status and alarms Monitoring Security Networking Storage Tags

Instance summary Info

Instance ID i-001032fd0c051e639

Public IPv4 address 15.206.148.201 | open address

Private IPv4 addresses 172.31.14.169

IPv6 address -

Instance state Running

Public IPv4 DNS ec2-15-206-148-201.ap-south-1.compute.amazonaws.com | open address

Hostname type

IP name: ip-172-31-14-169.ap-south-1.compute.internal

Private IP DNS name (IPv4 only) ip-172-31-14-169.ap-south-1.compute.internal

Answer: private resource DNS name

Instance type

Elastic IP addresses

CloudShell Feedback

Type here to search

27°C

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ap-south-1.console.aws.amazon.com/ec2/home?region=ap-south-1#Instances:v=3,\$case=tags:true%5Cclient:false;...

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Successfully initiated starting of i-001032fd0c051e639

Notifications 2 1 0 0 0 0

Instances (1/2) Info

Find instance by attribute or tag (case-sensitive)

All states

Last updated 1 minute ago

Connect

Instance state

Actions

Launch instances

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 DNS	Public IPv4 ...	Elastic IP
VirajOldInstance	i-001032fd0c051e639	Running	t2.micro	Initializing	View alarms +	ap-south-1b	ec2-15-206-148-201.ap...	15.206.148.201	-
VirajNewInstance	i-07ab2468c4707f3e2	Stopped	t2.micro	-	View alarms +	ap-south-1b	-	-	-

i-001032fd0c051e639 (VirajOldInstance)

Details Status and alarms Monitoring Security Networking Storage Tags

Instance summary Info

Instance ID i-001032fd0c051e639

Public IPv4 address 15.206.148.201 | open address

Private IPv4 addresses 172.31.14.169

IPv6 address -

Instance state Running

Public IPv4 DNS ec2-15-206-148-201.ap-south-1.compute.amazonaws.com | open address

Hostname type

IP name: ip-172-31-14-169.ap-south-1.compute.internal

Private IP DNS name (IPv4 only) ip-172-31-14-169.ap-south-1.compute.internal

Answer: private resource DNS name

Instance type

Elastic IP addresses

CloudShell Feedback

Type here to search

27°C

8:15 PM

11/3/2024

```
[centos@ip-172-31-1-181 ~]$ sudo su -l
Last login: Sun Feb 6 11:27:55 UTC 2022 on pts/0
[root@ip-172-31-1-181 ~]#
[root@ip-172-31-1-181 ~]#
[root@ip-172-31-1-181 ~]# 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-172-31-1-181 ~]#
[root@ip-172-31-1-181 ~]#
[root@ip-172-31-1-181 ~]# ls /tmp/
ks-script-dyarry systemd-private-d8116b7c60a548ff9f406b5749908584-chronyd.service-Incs27 yum.log
ks-script-wnz4e2 testfiles
[root@ip-172-31-1-181 ~]#
[root@ip-172-31-1-181 ~]#
[root@ip-172-31-1-181 ~]# ls /tmp/testfiles/
testfile10.txt testfile2.txt testfile4.txt testfile6.txt testfile8.txt
testfile11.txt testfile3.txt testfile5.txt testfile7.txt testfile9.txt
[root@ip-172-31-1-181 ~]#
```