

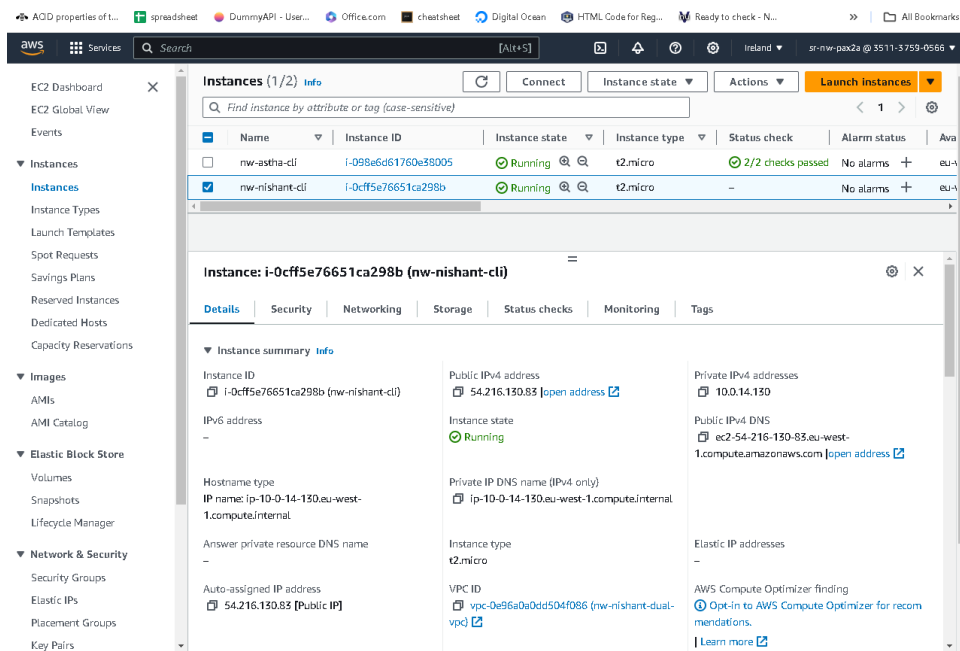
AWS assignment 2

Create an EC2 instance on AWS.

Connect with the instance. Set hostname as nw-yourname-cli

Install AWS CLI and configure the default settings.

- Create S3 bucket.
- Download a sample csv file in your instance.
- Copy file from instance to S3 using AWS CLI command. [Visit S3 bucket and verify the file is uploaded]
- Execute lsblk to check devices available
- Create an EBS volume
- Specifications of EBS (GP2, 11-19GB)
- Attach this EBS volume to your EC2 using AWS CLI command
- Fire lsblk to check whether it appears in devices list.
- Mount this external storage volume
- Copy some data to this volume
- Configure fstab for automatic mounting everytime the instance is stopped or restarted
- Exit CLI
- Stop the instance. Start after a min or two. Verify that your device is mounted again by visiting the mount folder.



Open putty and install AWS CLI

curl "https://awscli.amazonaws.com/awscli-exe-linux-x86_64.zip" -o "awscliv2.zip"

```
ubuntu@ip-10-0-14-130: ~$ curl "https://awscli.amazonaws.com/awscli-exe-linux-x86_64.zip" -o "awscliv2.zip"
% Total    % Received % Xferd  Average Speed   Time    Time     Time  Current
           Dload  Upload   Total     Spent    Left  Speed
100 56.0M  100 56.0M    0     0  80.4M    0 --:--:-- --:--:-- --:--:--  80.3M
ubuntu@ip-10-0-14-130: ~$
```

sudo apt update

sudo apt install unzip

```
ubuntu@ip-10-0-14-130:~$ curl "https://awscli.amazonaws.com/awscli-exe-linux-x86_64.zip" -o "awscliv2.zip"
% Total    % Received % Xferd  Average Speed   Time    Time     Time  Current
           Dload  Upload   Total     Spent    Left  Speed
100 56.0M  100 56.0M    0     0  80.4M    0 --:--:-- --:--:-- --:--:--  80.3M
ubuntu@ip-10-0-14-130:~$ sudo apt update
Hit:1 http://eu-west-1.ec2.archive.ubuntu.com/ubuntu jammy InRelease
Get:2 http://eu-west-1.ec2.archive.ubuntu.com/ubuntu jammy-updates InRelease [119 kB]
Get:3 http://eu-west-1.ec2.archive.ubuntu.com/ubuntu jammy-backports InRelease [109 kB]
Get:4 http://eu-west-1.ec2.archive.ubuntu.com/ubuntu jammy/universe amd64 Packages [14.1 MB]
Get:5 http://security.ubuntu.com/ubuntu jammy-security InRelease [110 kB]
Get:6 http://eu-west-1.ec2.archive.ubuntu.com/ubuntu jammy/universe Translation-en [5652 kB]
Get:7 http://eu-west-1.ec2.archive.ubuntu.com/ubuntu jammy/universe amd64 c-n-f Metadata [286 kB]
Get:8 http://eu-west-1.ec2.archive.ubuntu.com/ubuntu jammy/multiverse amd64 Packages [217 kB]
Get:9 http://eu-west-1.ec2.archive.ubuntu.com/ubuntu jammy/multiverse Translation-en [112 kB]
Get:10 http://eu-west-1.ec2.archive.ubuntu.com/ubuntu jammy/multiverse amd64 c-n-f Metadata [8372 B]
```

```
Building dependency tree... Done
Reading state information... Done
30 packages can be upgraded. Run 'apt list --upgradable' to see them.
ubuntu@ip-10-0-14-130:~$ ls
awscliv2.zip
ubuntu@ip-10-0-14-130:~$ sudo apt install unzip
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
Suggested packages:
zip
The following NEW packages will be installed:
```

unzip awscliv2.zip

ls

```
cd aws/  
ls  
sudo ./install  
aws --version
```

```
inflatig: aws/dist/docutils/writers/html4css1/html4css1.css  
inflatig: aws/dist/docutils/writers/odf_odt/styles.odt  
ubuntu@ip-10-0-14-130:~$ ls  
aws  
ubuntu@ip-10-0-14-130:~$ cd aws/  
ubuntu@ip-10-0-14-130:~/aws$ ls  
README.md  THIRD_PARTY_LICENSES  dist  install  
ubuntu@ip-10-0-14-130:~/aws$ sudo ./install  
You can now run: /usr/local/bin/aws --version  
ubuntu@ip-10-0-14-130:~/aws$ aws --version  
aws-cli/2.13.27 Python/3.11.6 Linux/6.2.0-1012-aws exe/x86_64.ubuntu.22 prompt/off  
ubuntu@ip-10-0-14-130:~/aws$
```

Aws s3 ls

AWS configure

lsr-nw-pax2a AKIAVDQLONUTJ4VTMEHL dqg+wt0HKuYfuWX2bSB8zN+oRQssEPXPbkxStkag

```
ubuntu@ip-10-0-14-130:~$ cd aws/  
ubuntu@ip-10-0-14-130:~/aws$ ls  
README.md  THIRD_PARTY_LICENSES  dist  install  
ubuntu@ip-10-0-14-130:~/aws$ sudo ./install  
You can now run: /usr/local/bin/aws --version  
ubuntu@ip-10-0-14-130:~/aws$ aws --version  
aws-cli/2.13.27 Python/3.11.6 Linux/6.2.0-1012-aws exe/x86_64.ubuntu.22 prompt/off  
ubuntu@ip-10-0-14-130:~/aws$ aws s3 ls  
  
Unable to locate credentials. You can configure credentials by running "aws configure".  
ubuntu@ip-10-0-14-130:~/aws$ aws configure  
AWS Access Key ID [None]: lsr-nw-pax2a AKIAVDQLONUTJ4VTMEHL  
AWS Secret Access Key [None]: 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  
Default region name [None]: eu-west-1  
Default output format [None]:  
ubuntu@ip-10-0-14-130:~/aws$
```

aws s3 ls | grep nw

```
ubuntu@ip-10-0-14-130:~/aws$ aws s3 ls | grep nw  
2023-09-29 11:04:07 a-nw-animesh  
2023-09-29 11:04:26 a-nw-arun  
2023-10-03 07:19:23 a-nw-astha  
2023-09-29 11:15:42 a-nw-bhavna  
2023-10-03 06:31:19 a-nw-harsh  
2023-09-29 11:04:02 a-nw-krunal  
2023-09-29 11:04:14 a-nw-leeia  
2023-09-29 11:04:05 a-nw-lisa  
2023-09-29 11:04:22 a-nw-mayank  
2023-09-29 11:04:08 a-nw-nimanshi  
2023-09-29 11:04:09 a-nw-nishant  
2023-09-29 11:04:11 a-nw-padmakar  
2023-09-29 10:58:55 a-nw-prati  
2023-10-04 07:25:20 a-nw-saloni  
2023-09-29 11:12:52 a-nw-sushmitha  
2023-09-29 11:04:08 a-nw-vaibhavi  
2023-10-03 09:25:35 a-nw-vijesh  
2023-09-29 11:11:22 ankur-ray-nw  
2023-10-13 10:17:15 nw-agnes-cli  
2023-10-13 10:15:52 nw-animesh-cli  
2023-10-18 06:49:01 nw-animesh-cli1  
2023-10-13 10:13:28 nw-arun-cli  
2023-10-19 06:37:21 nw-arun-cliaccess  
2023-10-13 10:16:41 nw-astha-cli  
2023-10-19 06:48:08 nw-astha-cli-assignment  
2023-10-13 10:13:24 nw-bhavna-cli  
2023-10-18 05:38:37 nw-bhavna-cli1  
2023-10-13 10:13:59 nw-divya-cli  
2023-10-19 06:39:47 nw-divya-cli-assignment  
2023-10-18 05:13:16 nw-divya-cli2  
2023-10-10 05:52:08 nw-divyal  
2023-10-13 10:16:59 nw-harsh-cli  
2023-10-13 10:16:44 nw-krunal-cli  
2023-10-13 08:05:35 nw-krunal-data  
2023-10-19 06:29:42 nw-leeia  
2023-10-13 10:13:36 nw-leeia-cli  
2023-10-13 10:13:13 nw-lisa-cli  
2023-10-13 10:15:52 nw-mayank-cli  
2023-10-13 10:13:22 nw-moni-cli  
2023-10-18 06:00:52 nw-moni-cli1  
2023-10-19 06:48:37 nw-moni-cli3  
2023-10-13 10:14:23 nw-nimanshi-cli  
2023-10-13 10:15:38 nw-nishant-cli  
2023-10-13 10:15:44 nw-padmakar-cli  
2023-10-19 06:55:01 nw-prati-cli  
2023-10-13 10:13:39 nw-saloni-cli  
2023-10-13 10:15:40 nw-sushmitha-cli  
2023-10-19 06:56:43 nw-vaibhavi-cli  
2023-10-13 10:17:28 nw-vijesh-cli  
2023-09-29 11:16:11 p-nw-moni  
ubuntu@ip-10-0-14-130:~/aws$
```

While creating new bucket getting error of created to many bucket

aws ec2 describe-instances

```
2023-10-19 06:56:43 [vathhavi-cli]
2023-10-13 10:17:28 [vignesh-cli]
2023-09-29 11:16:11 p [moni]
ubuntu@ip-10-0-14-130:~$ aws s3 mb s3://nw-nishant-cli-assignment
make_bucket failed: s3://nw-nishant-cli-assignment An error occurred (TooManyBuckets) when calling the CreateBucket operation: You have attempted to create more buckets than allowed
ubuntu@ip-10-0-14-130:~$ aws s3 mb s3://nw-nishant-cli
make_bucket failed: s3://nw-nishant-cli An error occurred (TooManyBuckets) when calling the CreateBucket operation: You have attempted to create more buckets than allowed
ubuntu@ip-10-0-14-130:~$ aws ec2 describe-instances
{
  "Reservations": [
    {
      "Groups": [],
      "Instances": [
        {
          "AmiLaunchIndex": 0,
          "ImageId": "ami-0c94d31c0e176e7d",
          "InstanceId": "i-00cde71b362f3ffaa",
          "InstanceType": "t2.micro",
          "KeyName": "nw-nishant",
          "LaunchTime": "2023-10-19T06:49:08+00:00",
          "Monitoring": {
            "State": "disabled"
          },
          "Placement": {
            "AvailabilityZone": "eu-west-1a",
            "GroupName": "",
            "Tenancy": "default"
          },
          "PrivateDnsName": "ip-10-0-15-249.eu-west-1.compute.internal",
          "PrivateIpAddress": "10.0.15.249",
          "ProductCodes": [],
          "PublicDnsName": "ec2-3-252-89-32.eu-west-1.compute.amazonaws.com",
          "PublicIpAddress": "3.252.89.32",
          "State": {
            "Code": 16,
            "Name": "running"
          },
          "StateTransitionReason": ""
        }
      ]
    }
  ]
}
```

File uploaded in cli bucket

```
ubuntu@ip-10-0-14-130:~$ ls
[redacted]
ubuntu@ip-10-0-14-130:~$ wget https://a-nw-nishant.s3.eu-west-1.amazonaws.com/imdb_1000.csv
--2023-10-19 07:25:16-- https://a-nw-nishant.s3.eu-west-1.amazonaws.com/imdb_1000.csv
Resolving a-nw-nishant.s3.eu-west-1.amazonaws.com (a-nw-nishant.s3.eu-west-1.amazonaws.com)... 52.92.18.34, 52.218.0.72, 52.218.57.192, ...
Connecting to a-nw-nishant.s3.eu-west-1.amazonaws.com (a-nw-nishant.s3.eu-west-1.amazonaws.com)|52.92.18.34|:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: 91499 (89K) [text/csv]
Saving to: 'imdb_1000.csv'

imdb_1000.csv                               100%[=====] 89.35K --.-KB/s in 0.001s

2023-10-19 07:25:26 (62.2 MB/s) - 'imdb_1000.csv' saved [91499/91499]
ubuntu@ip-10-0-14-130:~$
```

aws s3 cp imdb_1000.csv s3://nw-nishant-cli

```
imdb_1000.csv                               100%[=====]
2023-10-19 07:25:26 (62.2 MB/s) - 'imdb_1000.csv' saved [91499/91499]

ubuntu@ip-10-0-14-130:~$ aws s3 cp imdb_1000.csv s3://nw-nishant-cli
upload: ./imdb_1000.csv to s3://nw-nishant-cli/imdb_1000.csv
ubuntu@ip-10-0-14-130:~$ lsblk
NAME        MAJ:MIN RM  SIZE RO TYPE MOUNTPOINTS
loop0       7:0    0  24.6M  1 loop /snap/amazon-ssm-agent/7528
loop1       7:1    0  55.7M  1 loop /snap/core18/2790
loop2       7:2    0  63.5M  1 loop /snap/core20/2015
loop3       7:3    0 111.9M  1 loop /snap/lxd/24322
loop4       7:4    0  40.8M  1 loop /snap/snapd/20092
xvda        202:0    0    8G    0 disk
└─xvda1     202:1    0   7.9G  0 part /
└─xvda14    202:14   0    4M    0 part
└─xvda15    202:15   0  106M  0 part /boot/efi
ubuntu@ip-10-0-14-130:~$
```

aws ec2 create-volume --availability-zone eu-west-1a --size 19 --volume-type gp2

```
└─xvda15 202:15   0  106M  0 part /boot/efi
ubuntu@ip-10-0-14-130:~$ aws ec2 create-volume --availability-zone eu-west-1a --size 19 --volume-type gp2
{
  "AvailabilityZone": "eu-west-1a",
  "CreateTime": "2023-10-19T07:50:30+00:00",
  "Encrypted": false,
  "Size": 19,
  "SnapshotId": "",
  "State": "creating",
  "VolumeId": "vol-0e7900160abba2de3",
  "Iops": 100,
  "Tags": [],
  "VolumeType": "gp2",
  "MultiAttachEnabled": false
}
ubuntu@ip-10-0-14-130:~$
```

Check EC2-Volumes

Attach volume from putty

aws ec2 attach-volume --volume-id vol-0e7900160abba2de3 --instance-id i-0cff5e76651ca298b --device /dev/sdn

```
buntu@nw-nishant-cli:~$ aws ec2 attach-volume --volume-id vol-0e7900160abba2de3 --instance-id i-0cff5e76651ca298b --device /dev/sdn
{"AttachTime": "2023-10-19T08:39:20.769000+00:00",
 "Device": "/dev/sdn",
 "InstanceId": "i-0cff5e76651ca298b",
 "State": "attaching",
 "VolumeId": "vol-0e7900160abba2de3"}
buntu@nw-nishant-cli:~$
```

Lsblk

```
ubuntu@nw-nishant-cli:~$ lsblk
NAME        MAJ:MIN RM  SIZE RO TYPE MOUNTPOINTS
loop0       7:0      0   24.6M  1 loop /snap/amazon-ssm-agent/7528
loop1       7:1      0   55.7M  1 loop /snap/core18/2790
loop2       7:2      0   63.5M  1 loop /snap/core20/2015
loop3       7:3      0  111.9M  1 loop /snap/lxd/24322
loop4       7:4      0   40.8M  1 loop /snap/snapd/20092
xvda        202:0    0    15G  0 disk
├─xvda1     202:1    0    7.9G  0 part /
├─xvda14    202:14   0     4M  0 part
└─xvda15    202:15   0   106M  0 part /boot/efi
xvdn        202:208  0    19G  0 disk
ubuntu@nw-nishant-cli:~$
```

sudo mkfs -t xfs /dev/xvdn

```
xvda1 202:15 0 106M 0 part /boot/efi
xvdn   202:208 0 19G 0 disk
ubuntu@nw-nishant-cli:~$ sudo mkfs -t xfs /dev/xvdn
meta-data=/dev/xvdn          isize=512    agcount=4, agsize=1245184 blks
                     =                  sectsz=512   attr=2, projid32bit=1
                     =                  crc=1      finobt=1, sparse=1, rmapbt=0
                     =                  reflink=1   bigtime=0 inobtcount=0
data      =                  bsize=4096   blocks=4980736, imaxpct=25
                     =                  sunit=0    swidth=0 blks
naming    =version 2          bsize=4096   ascii-ci=0, ftype=1
log       =internal log      bsize=4096   blocks=2560, version=2
                     =                  sectsz=512   sunit=0 blks, lazy-count=1
realtime  =none              extsz=4096   blocks=0, rtextents=0
ubuntu@nw-nishant-cli:~$
```

sudo file -s /dev/xvdn

```
                     =                  sectsz=512   sunit=0 blks, lazy-count=1
realtime =none              extsz=4096   blocks=0, rtextents=0
ubuntu@nw-nishant-cli:~$ sudo file -s /dev/xvdn
/dev/xvdn: SGI XFS filesystem data (blksz 4096, inosz 512, v2 dirs)
ubuntu@nw-nishant-cli:~$
```

ls /

sudo mkdir /export

sudo mount /dev/xvdn /export

lsblk

```
ubuntu@nw-nishant-cli:~$ sudo file -s /dev/xvda
/dev/xvda: SGI XFS filesystem data (blkisz 4096, inosz 512, v2 dirs)
ubuntu@nw-nishant-cli:~$ ls
awscli1v2.zip  imdb_1000.csv
ubuntu@nw-nishant-cli:~$ ls /
bin  boot  dev  etc  home  lib  lib32  lib64  libx32  media  mnt  opt  root  run  sbin  srv  sys  tmp  usr  var
ubuntu@nw-nishant-cli:~$ sudo mkdir /export
ubuntu@nw-nishant-cli:~$ sudo mount /dev/xvda /export
ubuntu@nw-nishant-cli:~$ lsblk
NAME        MAJ:MIN RM   SIZE RO TYPE MOUNTPOINTS
loop0        7:0    0   24.6M  1 loop /snap/amazon-ssm-agent/7528
loop1        7:1    0   55.7M  1 loop /snap/core18/2790
loop2        7:2    0   63.5M  1 loop /snap/core20/2015
loop3        7:3    0  111.9M  1 loop /snap/lxd/24322
loop4        7:4    0   40.8M  1 loop /snap/snapd/20092
xvda        202:0    0    15G  0 disk
└─xvda1     202:1    0    7.9G  0 part /
└─xvda14    202:14   0     4M  0 part
└─xvda15    202:15   0   106M  0 part /boot/efi
xvda        202:208  0    19G  0 disk /export
ubuntu@nw-nishant-cli:~$
```

Add files and export

```
xvda        202:208  0    19G  0 disk /export
ubuntu@nw-nishant-cli:~$ touch nishant.txt data.csv
ubuntu@nw-nishant-cli:~$ wget https://www.alamy.com/stock-photo-natwest-bank-westfield-shopping-centre-stratford-london-78748345.html
--2023-10-19 09:07:15-- https://www.alamy.com/stock-photo-natwest-bank-westfield-shopping-centre-stratford-london-78748345.html
Resolving www.alamy.com (www.alamy.com)... 34.241.4.248, 52.208.36.153, 63.94.121.12
Connecting to www.alamy.com (www.alamy.com)[34.241.4.248]:443... connected.
HTTP request sent, awaiting response... 200 OK
length: 169713 (166K) [text/html]
Saving to: 'stock-photo-natwest-bank-westfield-shopping-centre-stratford-london-78748345.html'
stock-photo-natwest-bank-westfield-shop 100%[=====] 165.74K --.-KB/s in 0.003s

2023-10-19 09:07:15 (61.3 MB/s) - 'stock-photo-natwest-bank-westfield-shopping-centre-stratford-london-78748345.html' saved [169713/169713]
ubuntu@nw-nishant-cli:~$ ls
awscli1v2.zip  data.csv  imdb_1000.csv  nishant.txt  stock-photo-natwest-bank-westfield-shopping-centre-stratford-london-78748345.html
ubuntu@nw-nishant-cli:~$ sudo cp * /export/
cp: -s not specified: omitting directory 'aws'
ubuntu@nw-nishant-cli:~$ sudo cp -r * /export/
ubuntu@nw-nishant-cli:~$ cd /export/
ubuntu@nw-nishant-cli:/export$ ls
awscli1v2.zip  data.csv  imdb_1000.csv  nishant.txt  stock-photo-natwest-bank-westfield-shopping-centre-stratford-london-78748345.html
ubuntu@nw-nishant-cli:/export$
```

cd

Lsblk -f

```
ubuntu@nw-nishant-cli:~$ lsblk -f
NAME        FSTYPE FSVER LABEL        UUID                                FSAVAIL FSUSE% MOUNTPOINTS
loop0                                              0 100% /snap/amazon-ssm-agent/7528
loop1                                              0 100% /snap/core18/2790
loop2                                              0 100% /snap/core20/2015
loop3                                              0 100% /snap/lxd/24322
loop4                                              0 100% /snap/snapd/20092
xvda
└─xvda1     ext4    1.0    cloudimg-rootfs 4f575094-453e-450d-aeed-215d8cbcbf58 5.3G   29% /
└─xvda14    vfat    FAT32  A611          60A8-A611          98.3M   6% /boot/efi
xvda        xfs     xfs     b2413de8-b1f1-416e-9859-2b7ec155a899 18.6G   2% /export
ubuntu@nw-nishant-cli:~$
```

UUID=b2413de8-b1f1-416e-9859-2b7ec155a899 /export xfs defaults,nofail 0 2

Cat /etc/fstab

```
ubuntu@nw-nishant-cli:~$ cat /etc/fstab
LABEL=cloudimg-rootfs / ext4 discard,errors=remount-ro 0 1
LABEL=UEFI /boot/efi vfat umask=0077 0 1
ubuntu@nw-nishant-cli:~$
```

Take back up of file

Sudo cp /etc/fstab .

Now edit the file

Sudo nano /etc/fstab

```
ubuntu@nw-nishant-cli:~$ sudo /etc/fstab .
sudo: /etc/fstab: command not found
ubuntu@nw-nishant-cli:~$ sudo cp /etc/fstab .
ubuntu@nw-nishant-cli:~$ ls
data.csv  fstab  imdb  1000.csv  nishant.txt  stock-photo-natwest-bank-westfield-shopping-centre-stratford-london-78748345.html
ubuntu@nw-nishant-cli:~$ sudo nano /etc/fstab
ubuntu@nw-nishant-cli:~$ sudo mount /export/
ubuntu@nw-nishant-cli:~$ lsblk
NAME        MAJ:MIN RM  SIZE RO TYPE MOUNTPOINTS
loop0        7:0      0   24.6M  1 loop /snap/amazon-ssm-agent/7528
loop1        7:1      0   55.7M  1 loop /snap/core18/2790
loop2        7:2      0   63.5M  1 loop /snap/core20/2015
loop3        7:3      0  111.9M  1 loop /snap/lxd/24322
loop4        7:4      0   40.8M  1 loop /snap/snapd/20092
xvda        202:0    0    15G  0 disk
└─xvda1      202:1    0    7.9G  0 part /
└─xvda14     202:14   0     4M  0 part /
└─xvda15     202:15   0   106M  0 part /boot/efi
xvda16      202:16   0    19G  0 disk
ubuntu@nw-nishant-cli:~$ sudo mount /export/
ubuntu@nw-nishant-cli:~$ lsblk
NAME        MAJ:MIN RM  SIZE RO TYPE MOUNTPOINTS
loop0        7:0      0   24.6M  1 loop /snap/amazon-ssm-agent/7528
loop1        7:1      0   55.7M  1 loop /snap/core18/2790
loop2        7:2      0   63.5M  1 loop /snap/core20/2015
loop3        7:3      0  111.9M  1 loop /snap/lxd/24322
loop4        7:4      0   40.8M  1 loop /snap/snapd/20092
xvda        202:0    0    15G  0 disk
└─xvda1      202:1    0    7.9G  0 part /
└─xvda14     202:14   0     4M  0 part /
└─xvda15     202:15   0   106M  0 part /boot/efi
xvda16      202:16   0    19G  0 disk /export
ubuntu@nw-nishant-cli:~$
```

After that exit from putty

Stopped instances

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone
nw-nimanshi-cli	i-00cde71b362f3f9aa	Running	t2.micro	2/2 checks passed	No alarms	eu-nl-1
nw-astha-cli	i-098e6d61760e38005	Running	t2.micro	2/2 checks passed	No alarms	eu-nl-1
nw-nishant-cli	i-0cff5e76651ca298b	Stopped	t2.micro	-	No alarms	eu-nl-1
nw-salomi-cli	i-0f73fce89fd3d2c65	Running	t2.micro	2/2 checks passed	No alarms	eu-nl-1

Again run instance and open putty

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone
nw-nimanshi-cli	i-00cde71b362f3f9aa	Running	t2.micro	2/2 checks passed	No alarms	eu-nl-1
nw-astha-cli	i-098e6d61760e38005	Stopped	t2.micro	-	No alarms	eu-nl-1
nw-nishant-cli	i-0cff5e76651ca298b	Initializing	t2.micro	0/2 checks passed	No alarms	eu-nl-1
nw-salomi-cli	i-0f73fce89fd3d2c65	Running	t2.micro	2/2 checks passed	No alarms	eu-nl-1

Open putty

Lsblk

Cd /export/

Ls

ubuntu@ip-10-0-14-130: ~

ubuntu@ip-10-0-14-130:~\$ lsblk

NAME	MAJ:MIN	RM	SIZE	RO	TYPE	MOUNTPOINTS
loop0	7:0	0	24.6M	1	loop	/snap/amazon-ssm-agent/7528
loop1	7:1	0	55.7M	1	loop	/snap/core18/2790
loop2	7:2	0	63.5M	1	loop	/snap/core20/2015
loop3	7:3	0	111.9M	1	loop	/snap/lxd/24322
loop4	7:4	0	40.8M	1	loop	/snap/snapd/20092
xvda	202:0	0	15G	0	disk	
└─xvda1	202:1	0	14.9G	0	part	/
└─xvda14	202:14	0	4M	0	part	
└─xvda15	202:15	0	106M	0	part	/boot/efi
xvdn	202:208	0	19G	0	disk	/export

ubuntu@ip-10-0-14-130:~\$

```
└─xvda14 202:14 0 4M 0 part
└─xvda15 202:15 0 106M 0 part /boot/efi
xvdn 202:208 0 19G 0 disk /export
ubuntu@ip-10-0-14-130:~$ ls
data.csv  imdb_1000.csv  nishant.txt  stock-photo-natwest-bank-westfield-shopping-centre-stratford-london-78748345.html
ubuntu@ip-10-0-14-130:~$ cd /export/
ubuntu@ip-10-0-14-130:/export$ ls
data.csv  imdb_1000.csv  nishant.txt  stock-photo-natwest-bank-westfield-shopping-centre-stratford-london-78748345.html
ubuntu@ip-10-0-14-130:/export$
```