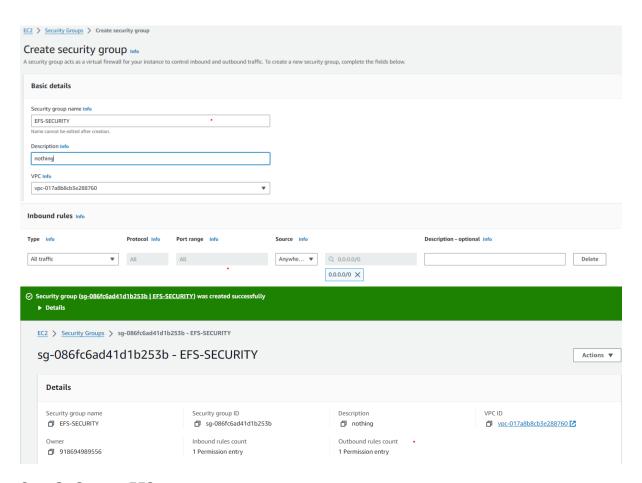
## CREATE AN EFS AND ATTACH TO TWO EC2 INSTANCE.

1)EFS:

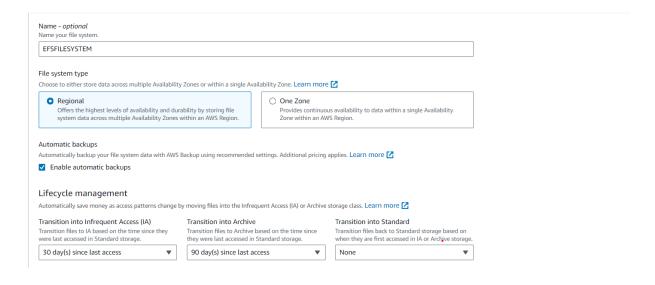
Step1:

Create security group:

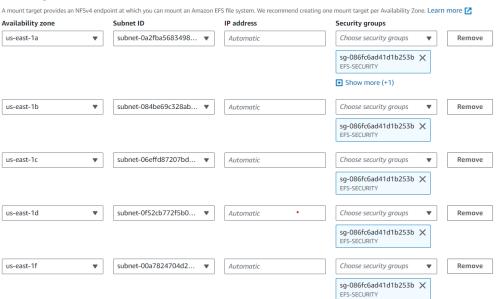


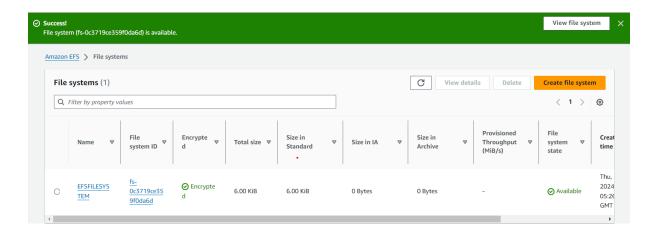
**Step2: Create EFS** 





#### Mount targets





## **Step3: Launch first instance:**

Mac

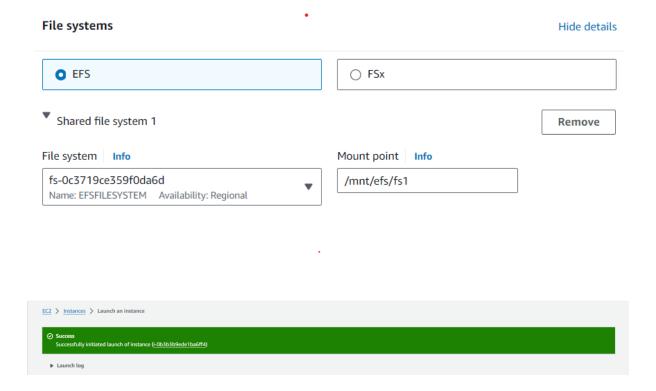
## Name and tags Info Name Add additional tags EC1 ▼ Application and OS Images (Amazon Machine Image) Info An AMI is a template that contains the software configuration (operating system, application server, and applications) required to launch your instance. Search or Browse for AMIs if you don't see what you are looking for below **Q** Search our full catalog including 1000s of application and OS images **Quick Start** Amazon macOS Ubuntu Windows Red Hat SUSE Li Linux Browse more AMIs aws Including AMIs from ubuntu<sup>®</sup> Microsoft Red Hat

AWS, Marketplace and

the Community

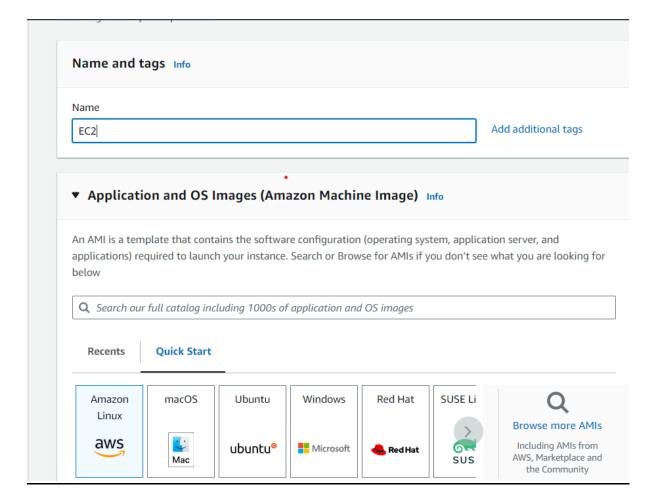
SUS

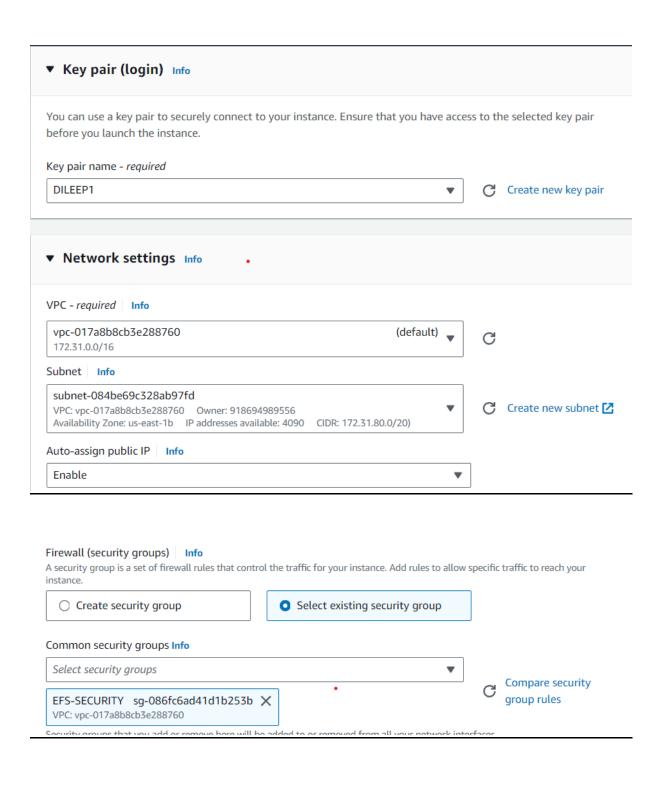
## ▼ Key pair (login) Info You can use a key pair to securely connect to your instance. Ensure that you have access to the selected key pair before you launch the instance. Key pair name - required DILEEP1 C Create new key pair ▼ Network settings Info VPC - required Info vpc-017a8b8cb3e288760 (default) C 172.31.0.0/16 Subnet Info subnet-0a2fba56834986310 VPC: vpc-017a8b8cb3e288760 Owner: 918694989556 Create new subnet <a>IZ</a> Availability Zone: us-east-1a IP addresses available: 4090 CIDR: 172.31.0.0/20) Auto-assign public IP Info Enable ₩ Additional charges apply when outside of free tier allowance 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 Common security groups Info Select security groups Compare security group rules EFS-SECURITY sg-086fc6ad41d1b253b X VPC: vpc-017a8b8cb3e288760

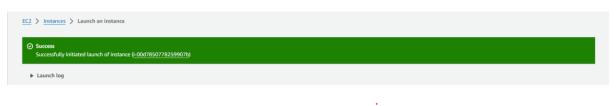


## **Step 4: EC1 instance connect to web:**

# Step 5: Launch 2<sup>nd</sup> instance:





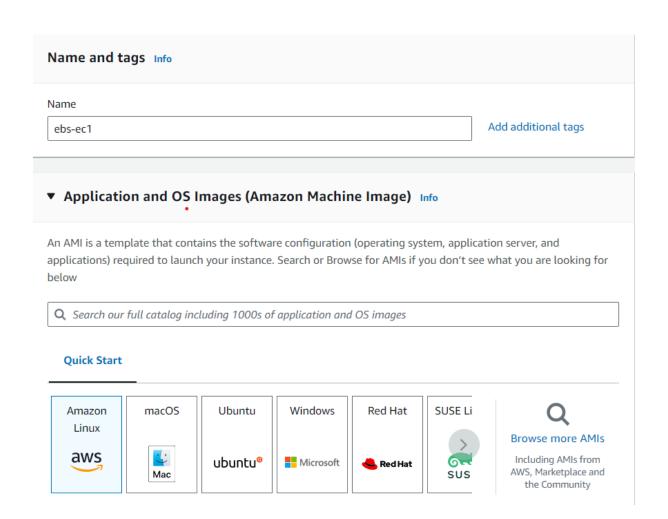


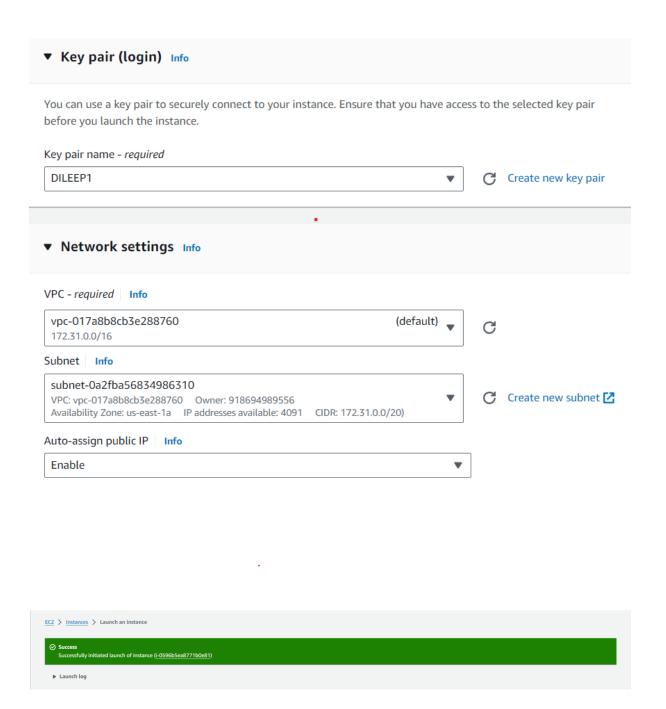
#### **Step 6: EC2 instance connect to web:**

### **CREATE AN EBS AND ATTACH IT TO EC2 INSTANCE:**

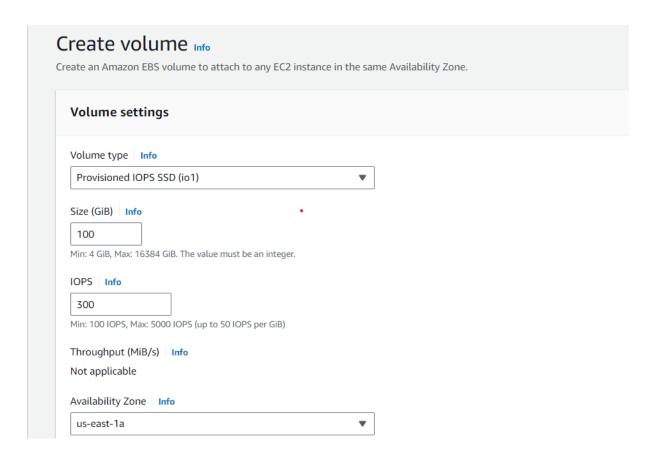
## 2) EBS:

### **Step 1: Create a EC2 instance:**



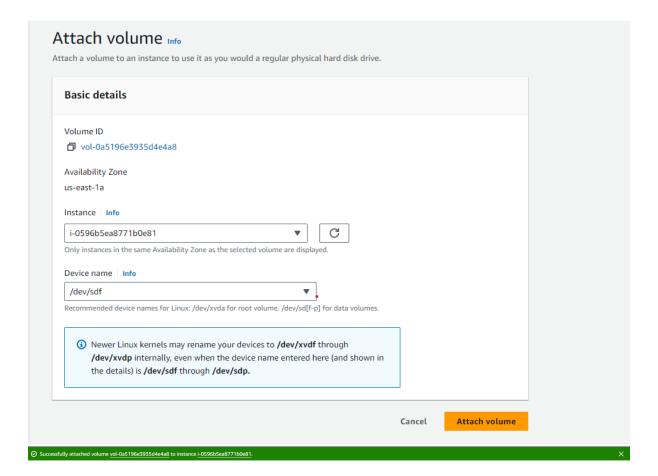


**Step 2: Create volume:** 





### Step 3: Attach a volume to an instance:



#### **Step 4: EC2 instance connect to web:**

```
Amazon Linux 2023
           #####\
                              https://aws.amazon.com/linux/amazon-linux-2023
/m/' -
[ec2-user@ip-172-31-5-82 ~]$ sudo -i
[root@ip-172-31-5-82 ~]# df -h
Filesystem
                       Size Used Avail Use% Mounted on
                       4.0M
475M
                                 0 4.0M
0 475M
                                                  0% /dev
0% /dev/shm
devtmpfs
tmpfs
                               0 4/5M 0% /dev/snm

2.9M 188M 2% /run

1.5G 6.5G 19% /

0 475M 0% /tmp

1.3M 8.7M 13% /boot/efi

0 95M 0% /run/user/1000
                       190M
tmpfs
/dev/xvda1
                       8.0G
tmpfs
/dev/xvda128
                       475M
10M
                         95M
tmpfs
[root@ip-172-31-5-82 ~] # mkfs -t xfs /dev/xvdf
                                                                   agcount=4, agsize=6553600 blks
attr=2, projid32bit=1
finobt=1, sparse=1, rmapbt=0
bigtime=1 inobtcount=1
  eta-data=/dev/xvdf
                                                isize=512
                                                sectsz=512
                                                crc=1
                                                reflink=1
                                                                   blocks=26214400, imaxpct=25
swidth=0 blks
ascii-ci=0, ftype=1
blocks=16384, version=2
sunit=0 blks, lazy-count=1
data
                                                bsize=4096
                                                sunit=0
bsize=4096
            =version 2
 naming
             =internal log
                                                bsize=4096
log
                                                sectsz=512
realtime =none
                                                extsz=4096
                                                                   blocks=0, rtextents=0
[root@ip-172-31-5-82 ~]#
```

```
[root@ip-172-31-5-82 ~] # file -s /dev/xvdf

/dev/xvdf: SGI XFS filesystem data (blksz 4096, inosz 512, v2 dirs)

[root@ip-172-31-5-82 ~] # mkdir -p madhu/vcube122

[root@ip-172-31-5-82 ~] # mount /dev/xvdf madhu/vcube122

[root@ip-172-31-5-82 ~] # df -h

Filesystem Size Used Auxil Use2 Mounted on
Filesystem
                         Size Used Avail Use% Mounted on
devtmpfs
                                           4.0M
                                                       0% /dev
                          4.0M
                          475M
                                            475M
                                                        0% /dev/shm
tmpfs
                                  2.9M
1.5G
tmpfs
                          190M
                                            188M
                                                        2% /run
                                                     8.0G
475M
                                            6.5G
475M
/dev/xvda1
 mpfs
                                            8.7M
95M
                           10M
/dev/xvda128
                                   1.3M
                           95M
 tmpfs
                         100G 746M 100G
/dev/xvdf
[root@ip-172-31-5-82 ~] # cd madhu/vcube122
[root@ip-172-31-5-82 vcube122]# vi file1
[root@ip-172-31-5-82 vcube122]# ls
[root@ip-172-31-5-82 vcube122]#
```