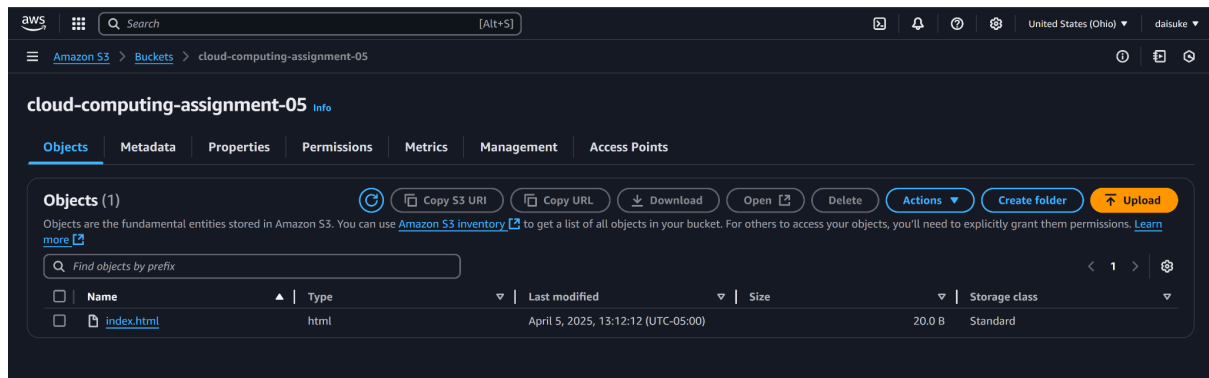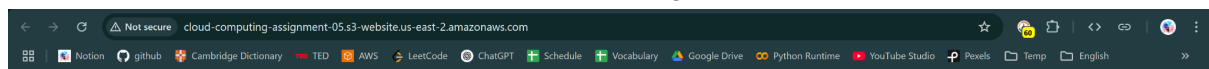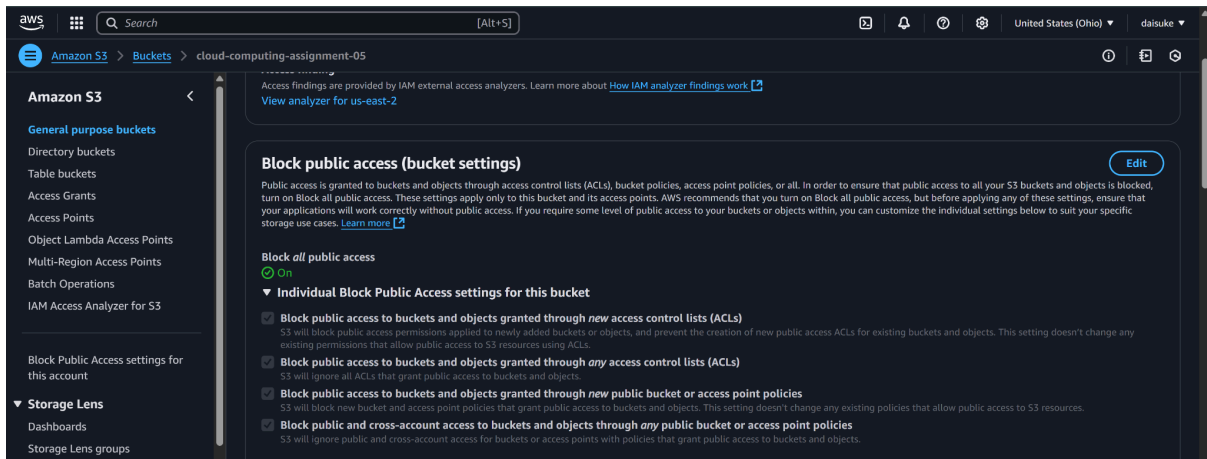Task 1
- S3 created

- Public Access Confirmed as a static web page

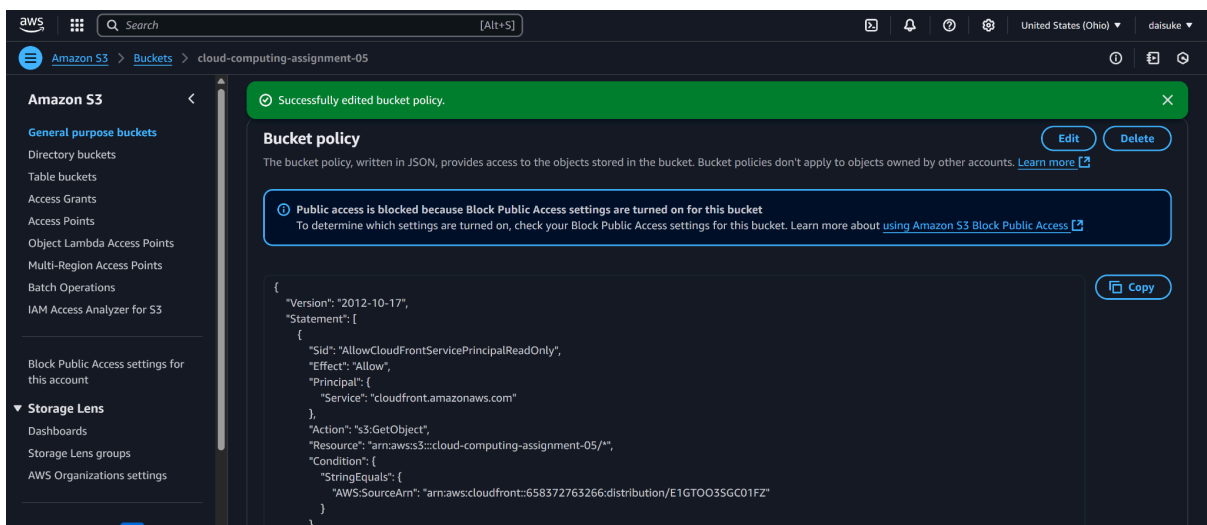**Hello World**

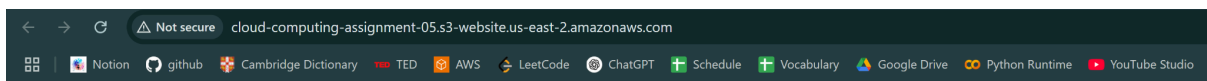- CloudFront Created
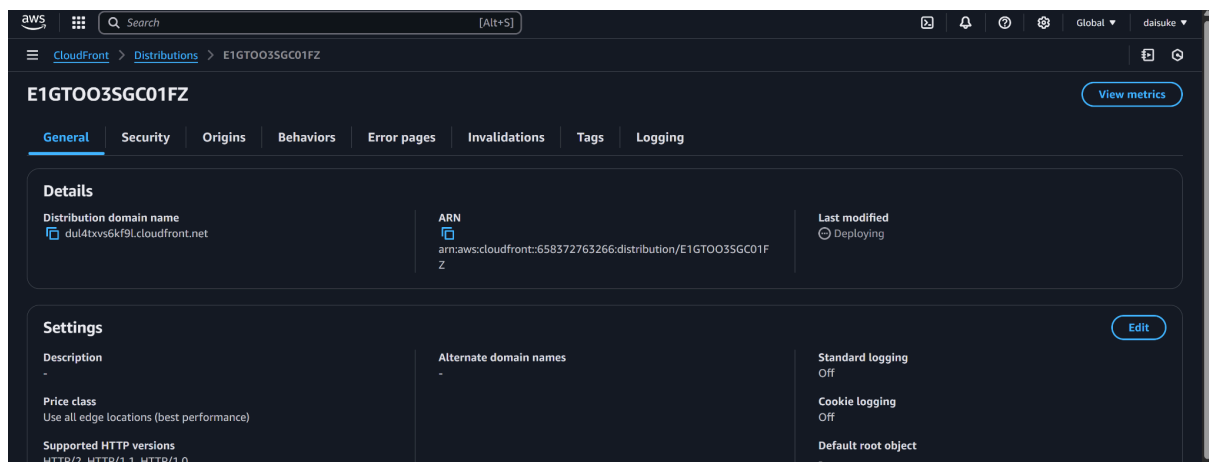
- S3 public access blocked

- OAC Enabled

- Direct Access Blocked

403 Forbidden
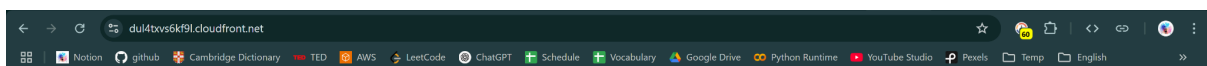
- Code: AccessDenied
- Message: Access Denied
- RequestId: YYXPRSBX9AARX4EX
- HostId: C6JEeE12xFSJy7qvyWzLwveQOeR9C7Z0wR3KOF8ZLGS8bHhCf/GiVQU4pnCz7tcIEY5SlR3xlAYPT5W3jR4zpkhrgCpJQh3cVNclrmHZDZc=

- CloudFront Access Confirmed

Hello World

Task 2
- Instance created

- EBS Created

- EBS attached

- lsblk

```
_/mt/
[ec2-user@ip-172-31-4-243 ~]$ 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   3G  0 disk
```

- df -h

```
[ec2-user@ip-172-31-4-243 ~]$ 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  452K  190M   1% /run
/dev/xvda1       8.0G  1.6G  6.4G  20% /
tmpfs            475M     0  475M   0% /tmp
/dev/xvda128      10M  1.3M  8.7M  13% /boot/efi
tmpfs             95M     0   95M   0% /run/user/1000
```

- mkfs

```
[ec2-user@ip-172-31-4-243 /]$ sudo mkfs -t xfs /dev/xvdb
meta-data=/dev/xvdb            isize=512    agcount=4, agsize=196608 blks
         =                     sectsz=512   attr=2, projid32bit=1
         =                     crc=1        finobt=1, sparse=1, rmapbt=0
         =                     reflink=1    bigtime=1 inobtcount=1
data     =                     bsize=4096   blocks=786432, imaxpct=25
         =                     sunit=0      swidth=0 blks
naming   =version 2           bsize=4096   ascii-ci=0, ftype=1
log      =internal log        bsize=4096   blocks=16384, version=2
         =                     sectsz=512   sunit=0 blks, lazy-count=1
realtime =none                 extsz=4096   blocks=0, rtextents=0
```

- mkdir

```
[ec2-user@ip-172-31-4-243 /]$ sudo mkdir /mnt/myvolume
[ec2-user@ip-172-31-4-243 /]$
```

- mount

```
[ec2-user@ip-172-31-4-243 /]$ sudo mount /dev/xvdb /mnt/myvolume
[ec2-user@ip-172-31-4-243 /]$
```
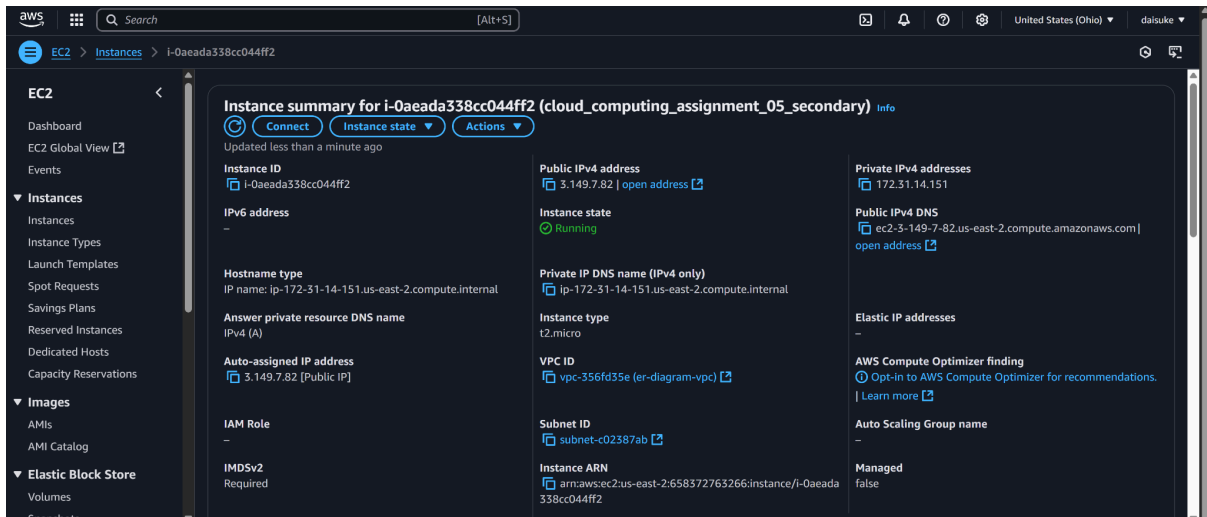
- reboot setting

```
[ec2-user@ip-172-31-4-243 /]$ echo ' /mnt/myvolume xfs defaults,nofail 0 2' | sudo tee -a /etc/fstab
 /mnt/myvolume xfs defaults,nofail 0 2
```

Task 3
- another ec2 created

- EFS Created

- install efs util

```
Installed:
  amazon-efs-utils-2.2.1-1.amzn2023.x86_64                    stunnel-5.58-1.amzn2023.0.2.x86_64
Complete!
[ec2-user@ip-172-31-14-151 ~]$
```
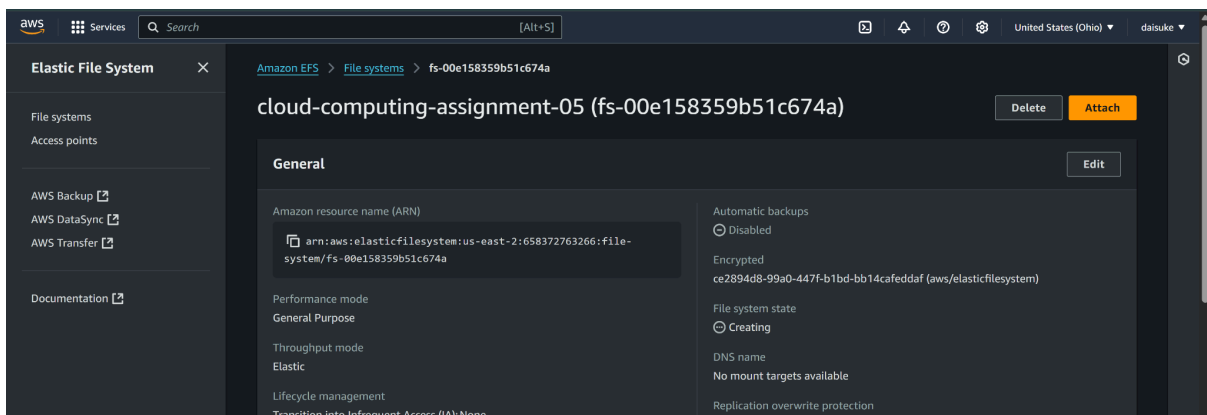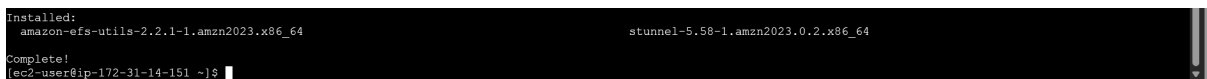
- Port opened for NFS

- EFS Mounted

```
[ec2-user@ip-172-31-14-151 ~]$  sudo mount -t efs fs-00e158359b51c674a /mnt/efs
[ec2-user@ip-172-31-14-151 ~]$ sudo vim /etc/fstab
[ec2-user@ip-172-31-14-151 ~]$
```
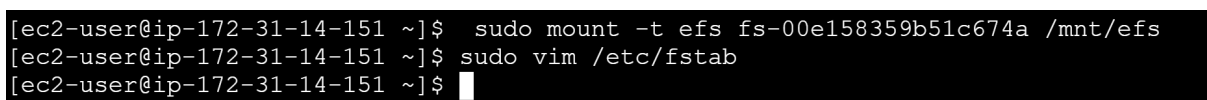
- remount configured

```
#
fs-fs-00e158359b51c674a:/ /mnt/efs efs defaults,_netdev 0 0
UUID=1d710364-8204-4eaa-a51c-4ef0c0aff5a4      /       xfs     defaults,noatime  1   1
UUID=C883-7C08          /boot/efi      vfat    defaults,noatime,uid=0,gid=0,umask=0077,shortname=winnt,x-systemd.automount 0 2
~
~
~
~
~
~
~
```
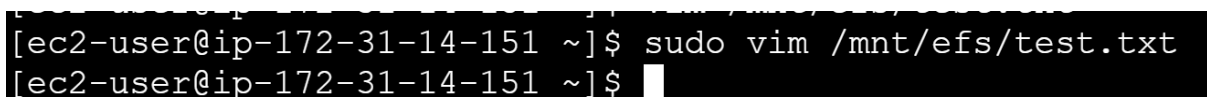
- test file created

```
[ec2-user@ip-172-31-14-151 ~]$ sudo vim /mnt/efs/test.txt
[ec2-user@ip-172-31-14-151 ~]$
```

- test file confirmed from the other ec2

```
[ec2-user@ip-172-31-4-243 /]$ sudo mkdir /mnt/efs
[ec2-user@ip-172-31-4-243 /]$ sudo mount -t efs fs-00e158359b51c674a /mnt/efs
[ec2-user@ip-172-31-4-243 /]$ ls /mnt/efs
test.txt
[ec2-user@ip-172-31-4-243 /]$ cat /mnt/efs/test.txt
hello world
```