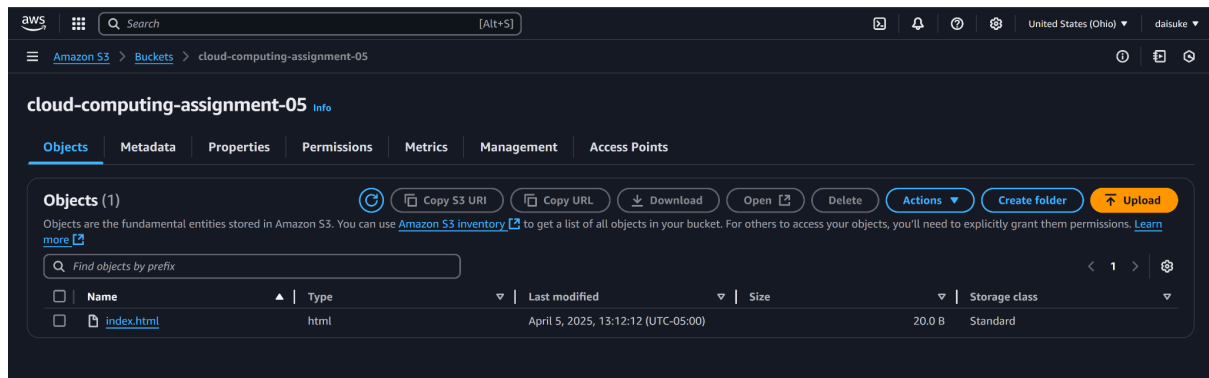
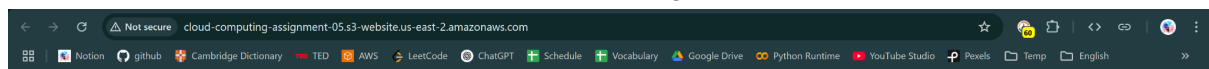


Task 1

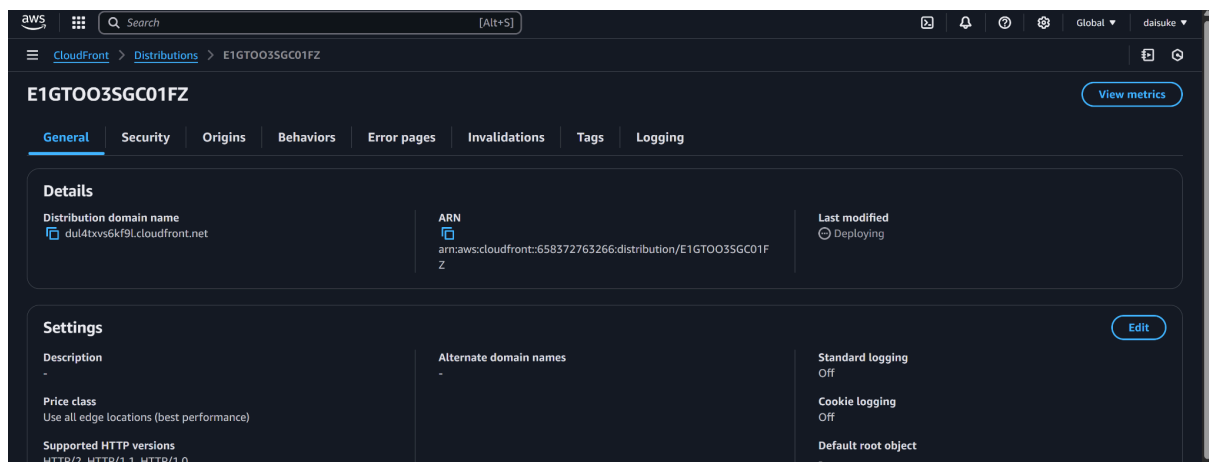
- S3 created



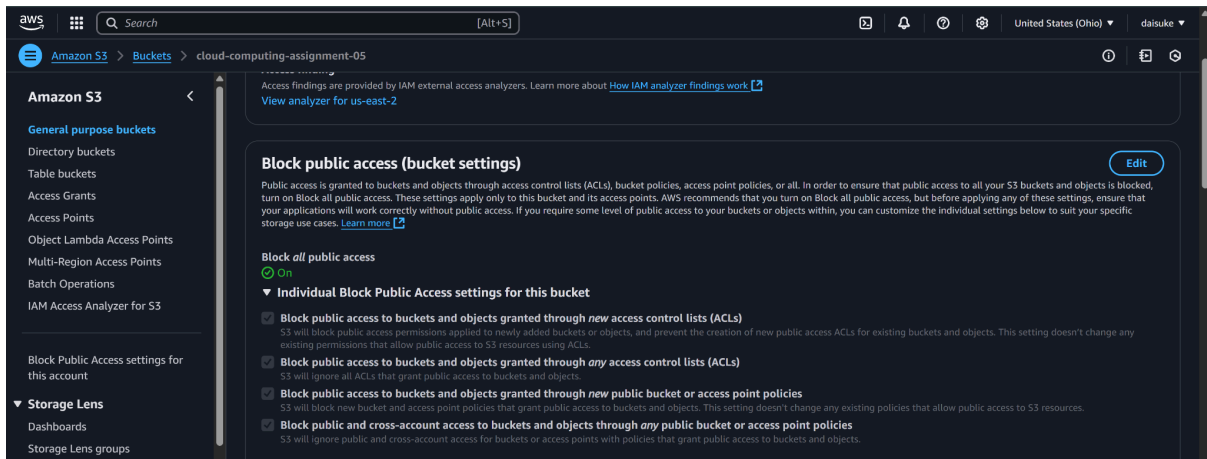
- Public Access Confirmed as a static web page



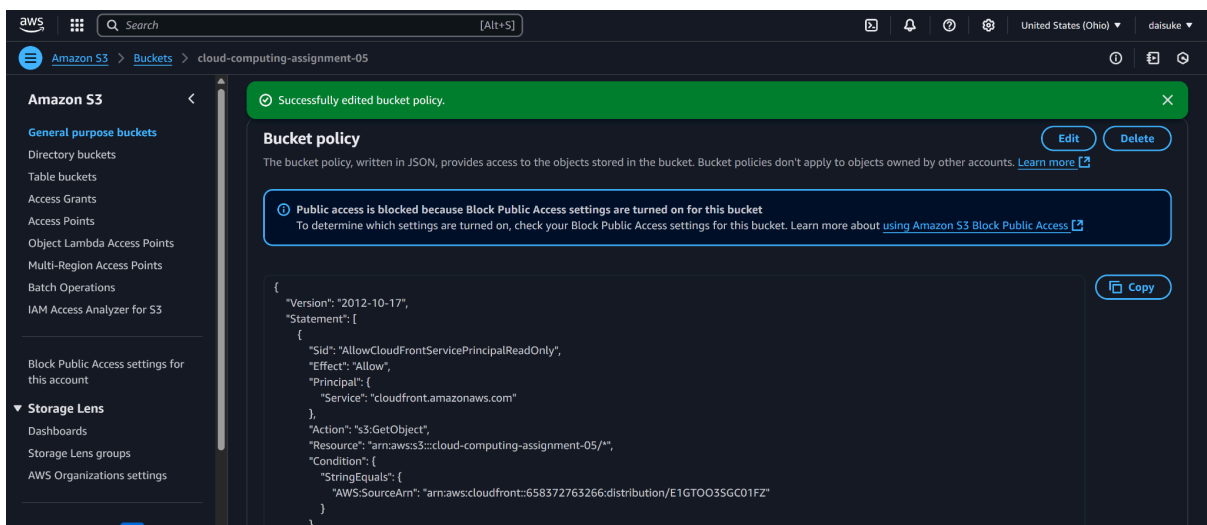
- CloudFront Created



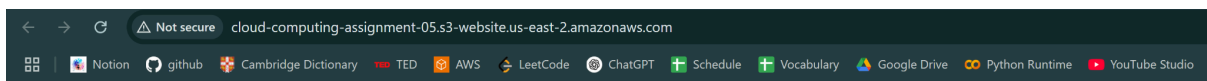
- S3 public access blocked



- OAC Enabled

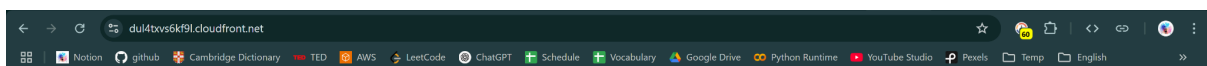


- Direct Access Blocked



- Code: AccessDenied
- Message: Access Denied
- RequestId: YYXPRSBX9AARX4EX
- HostId: C6JEeE12xFSJy7qvyWzLwveQOeR9C7Z0wR3KOF8ZLGS8bHhCf/GiVQU4pnCz7tcIEY5SIR3xlAYPT5W3jR4zpkhrgCpJQh3cVNclrmHZDZc=

- CloudFront Access Confirmed



Task 2

- Instance created

aws [Search] [Alt+S] United States (Ohio) daisuke

EC2 > Instances > i-06befe98a9d8966ae

EC2

- Dashboard
- EC2 Global View
- Events
- ▼ Instances
 - Instances
 - Instance Types
 - Launch Templates
 - Spot Requests
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 - Capacity Reservations
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 - AMIs
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- ▼ Elastic Block Store
 - Volumes

Instance summary for i-06befe98a9d8966ae (cloud_computing_assignment_05) Info

Updated less than a minute ago

Instance ID
i-06befe98a9d8966ae

Public IPv4 address
18.222.179.59 | [open address](#)

Private IPv4 addresses
172.31.4.243

Instance state
Running

Public IPv4 DNS
ec2-18-222-179-59.us-east-2.compute.amazonaws.com | [open address](#)

IPV6 address
-

Private IP DNS name (IPv4 only)
ip-172-31-4-243.us-east-2.compute.internal

Hostname type
IP name: ip-172-31-4-243.us-east-2.compute.internal

Instance type
t2.micro

Answer private resource DNS name
IPv4 (A)

VPC ID
vpc-356fd35e (er-diagram-vpc)

Auto-assigned IP address
18.222.179.59 [Public IP]

Elastic IP addresses
-

IAM Role
-

AWS Compute Optimizer finding
Opt-in to AWS Compute Optimizer for recommendations. | [Learn more](#)

Subnet ID
subnet-c02387ab

Auto Scaling Group name
-

IMDSv2
Required

Instance ARN
arn:aws:ec2:us-east-2:658372763266:instance/i-06befe98a9d8966ae

Managed
false

- EBS Created

aws [Search] X United States (Ohio) daisuke

EC2 > Volumes > vol-087d4f92d63f94b23

EC2

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vol-087d4f92d63f94b23

Last updated less than a minute ago

Details

Volume ID vol-087d4f92d63f94b23	Size 3 GiB	Type gp3	Status check Okay
AWS Compute Optimizer finding Opt-in to AWS Compute Optimizer for recommendations. Learn more	Volume state Available	IOPS 3000	Throughput 125
Fast snapshot restored No	Availability Zone us-east-2a	Created Sat Apr 05 2025 13:38:37 GMT-0500 (Central Daylight Time)	Multi-Attach enabled No
Attached resources -	Outposts ARN -	Managed false	Operator -
Source Snapshot ID			

- EBS attached

aws [Search] X United States (Ohio) daisuke

EC2 > Volumes > vol-087d4f92d63f94b23

EC2

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vol-087d4f92d63f94b23

Last updated less than a minute ago

Details

Volume ID vol-087d4f92d63f94b23	Size 3 GiB	Type gp3	Status check Okay
AWS Compute Optimizer finding Opt-in to AWS Compute Optimizer for recommendations. Learn more	Volume state In-use	IOPS 3000	Throughput 125
Fast snapshot restored No	Availability Zone us-east-2a	Created Sat Apr 05 2025 13:38:37 GMT-0500 (Central Daylight Time)	Multi-Attach enabled No
Attached resources i-06befe98a9d8966ae (cloud_computing_assignment_05): /dev/sdb (attached)	Outposts ARN -	Managed false	Operator -
Source Snapshot ID			

- lsblk

```

[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

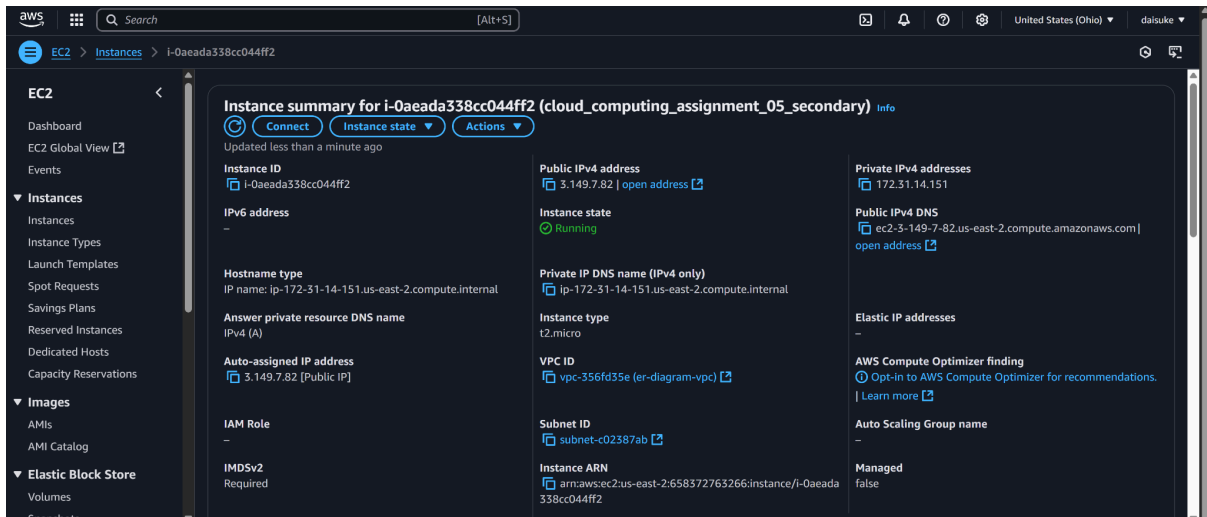
```

[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

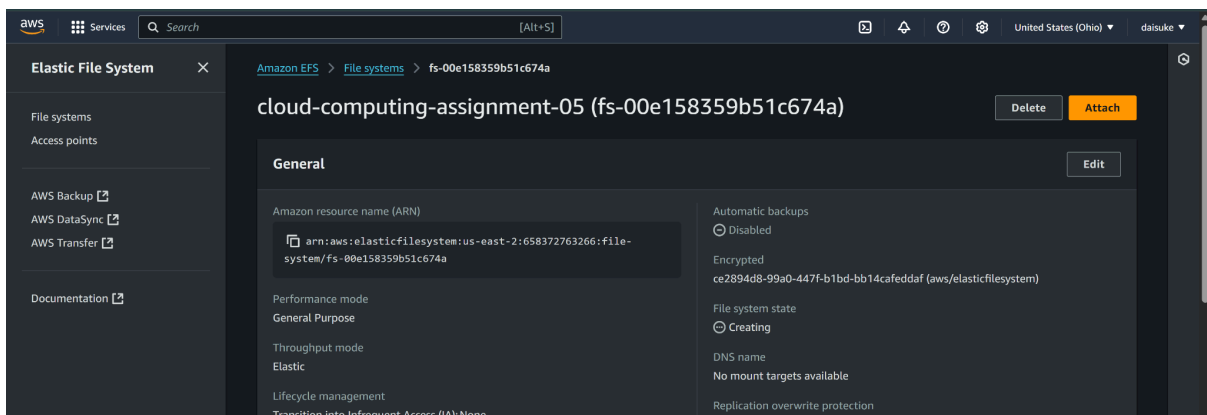
```

Task 3

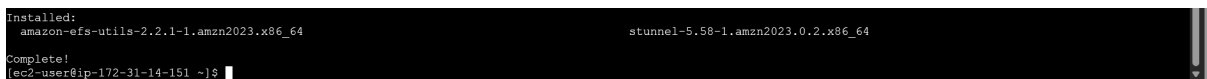
- another ec2 created



- EFS Created



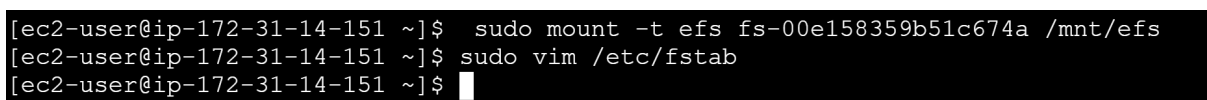
- install efs util




- Port opened for NFS



- EFS Mounted

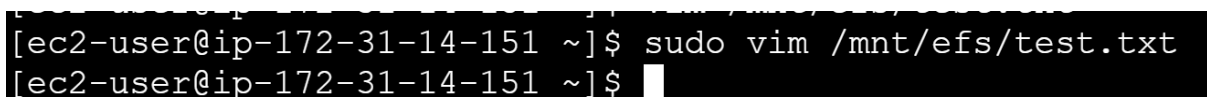


- remount configured



```
#
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
```