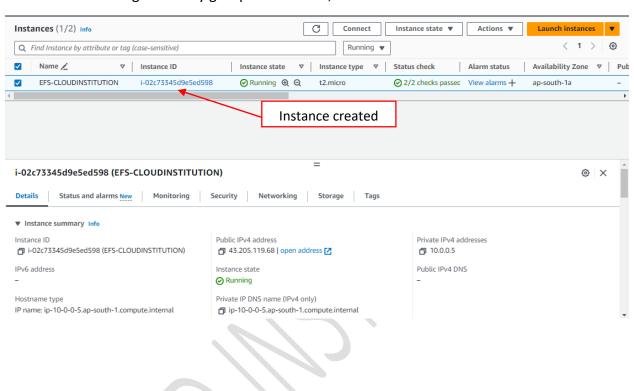


AMAZON EFS FILE SYSTEM CREATION, MOUNTING & SETTING

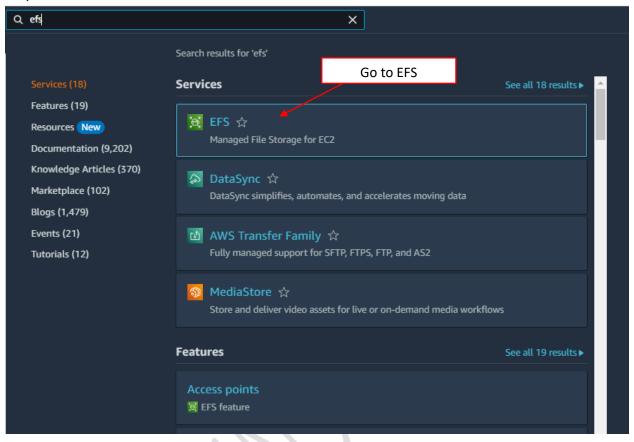
Step 1: Create a EC2 instance

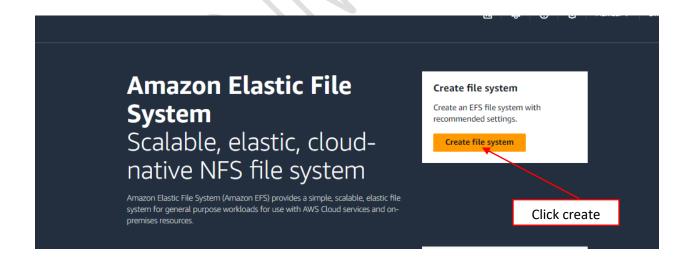
Note: While creating a security group for instance, include NFS in the inbound rules



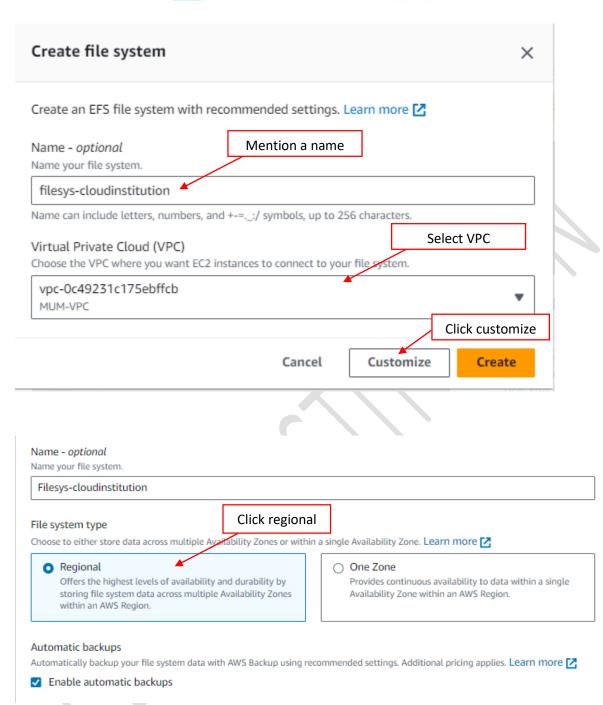


Step 2: Create EFS

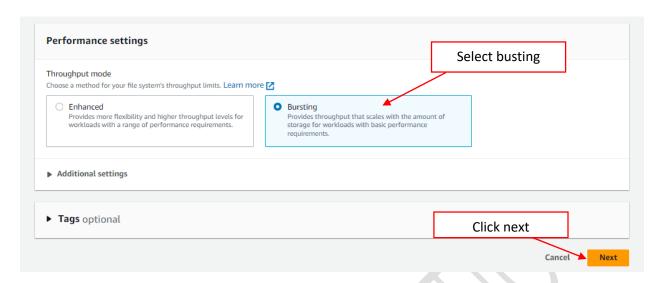


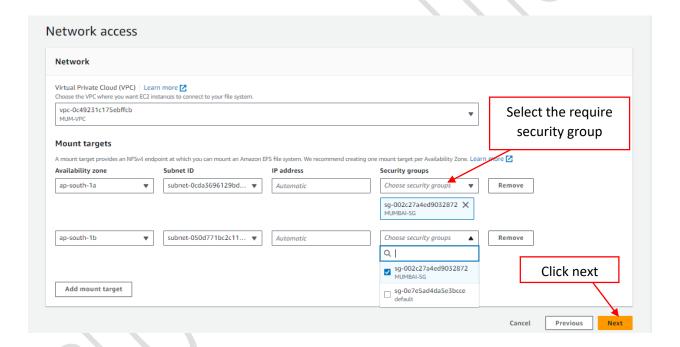






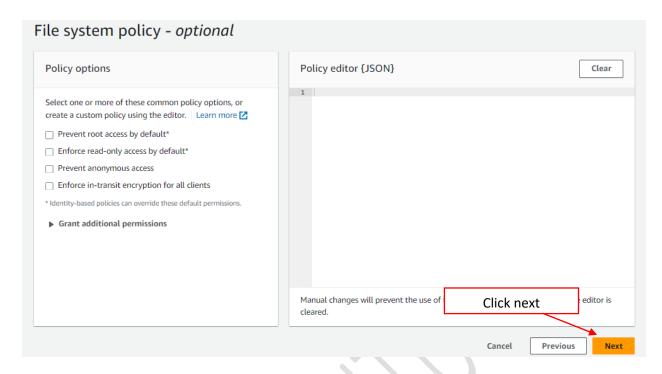


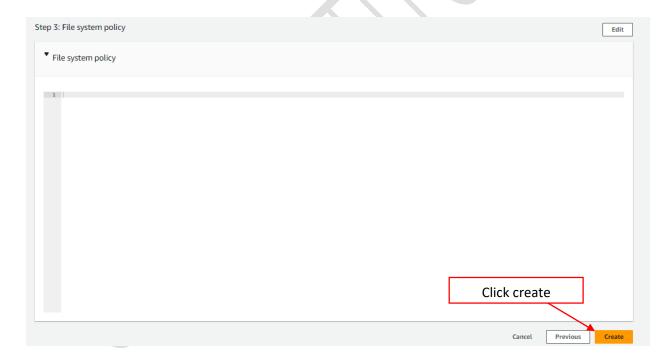




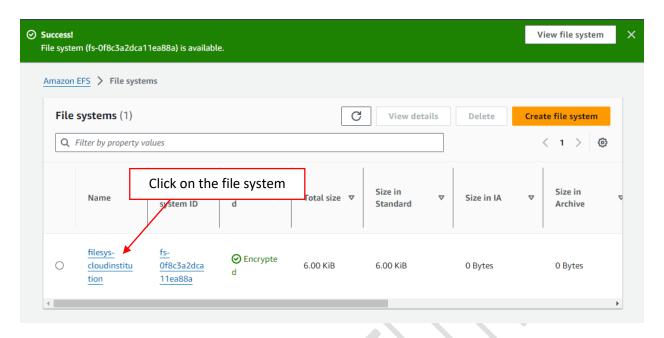




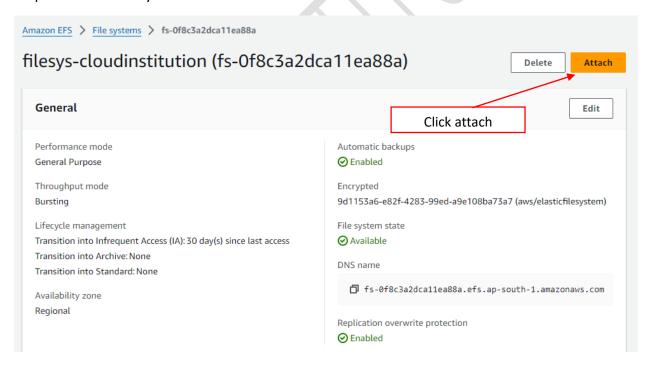




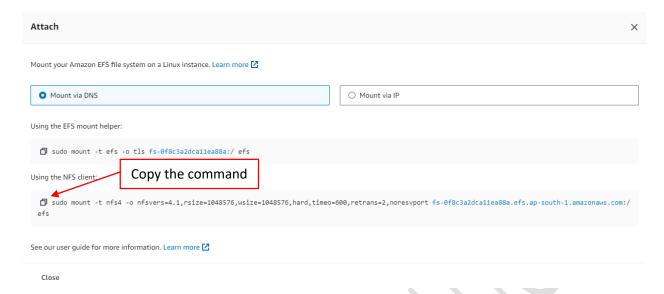




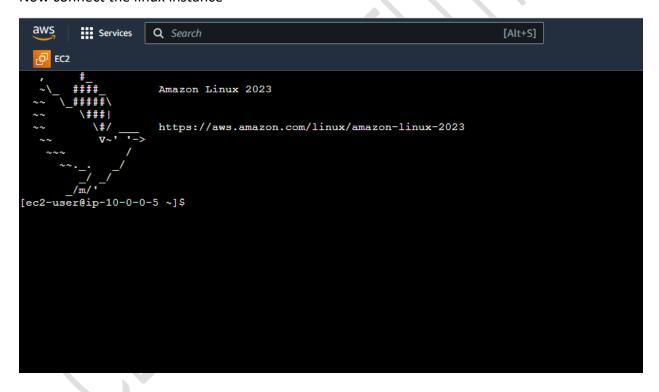
Step 3: Attach File system to the linux machine







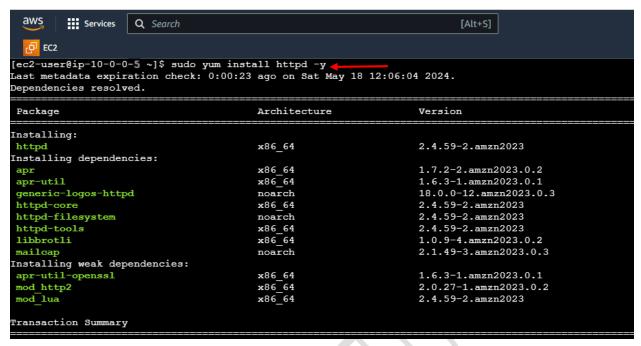
Now connect the linux instance

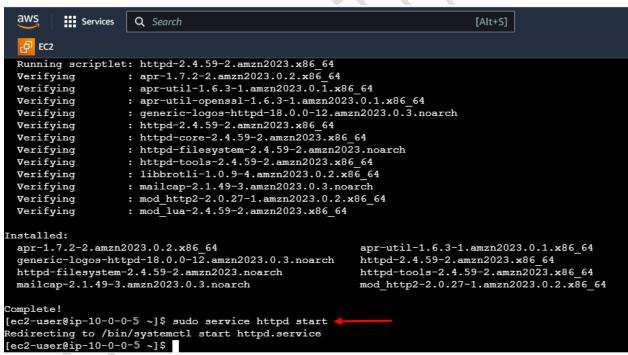


Install httpd service in the linux instance



Cloud Institution

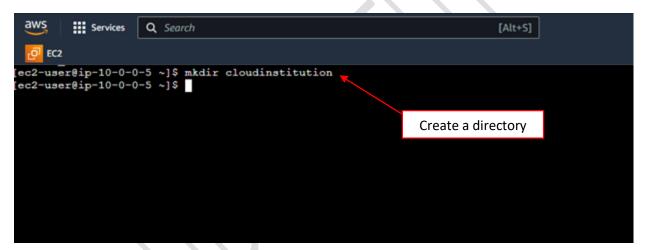






```
Q Search
              Services
                                                                                                                   [Alt+S]
                                                                                                                                                                         N
                                                                                                                                                                                 ₽
    ₁Ō EC2
   Verifying
                              : apr-util-openssl-1.6.3-1.amzn2023.0.1.x86_64
: generic-logos-httpd-18.0.0-12.amzn2023.0.3.noarch
   Verifying
Verifying
                                httpd-2.4.59-2.amzn2023.x86_64
                              : httpd-core-2.4.59-2.amzn2023.x86_64
: httpd-filesystem-2.4.59-2.amzn2023.noarch
: httpd-tools-2.4.59-2.amzn2023.x86_64
   Verifying
   Verifying
   Verifying
                              : libbrotli-1.0.9-4.amzn2023.0.2.x86 64
   Verifying
                              : mailcap-2.1.49-3.amzn2023.0.3.noarch
: mod_http2-2.0.27-1.amzn2023.0.2.x86_64
   Verifying
   Verifying
   Verifying
                              : mod_lua-2.4.59-2.amzn2023.x86_64
   apr-1.7.2-2.amzn2023.0.2.x86 64
                                                                                       apr-util-1.6.3-1.amzn2023.0.1.x86_64
                                                                                                                                                         apr-util-openssl-1.6.
   generic-logos-httpd-18.0.0-12.amzn2023.0.3.noarch
                                                                                       httpd-2.4.59-2.amzn2023.x86_64
                                                                                                                                                         httpd-core-2.4.59-2.am
   httpd-filesystem-2.4.59-2.amzn2023.noarch mailcap-2.1.49-3.amzn2023.0.3.noarch
                                                                                      httpd-tools-2.4.59-2.amzn2023.x86_64
mod_http2-2.0.27-1.amzn2023.0.2.x86_64
                                                                                                                                                         libbrotli-1.0.9-4.amzr
                                                                                                                                                         mod_lua-2.4.59-2.amzn2
 Complete!
[ec2-user@ip-10-0-0-5 ~]$ sudo service httpd start
[ec2-user@ip-10-0-0-5 ~]$ sudo Service httpd start
Redirecting to /bin/systemctl start httpd.service
[ec2-user@ip-10-0-0-5 ~]$ sudo chkconfig httpd on
Note: Forwarding request to 'systemctl enable httpd.service'.
Created symlink /etc/systemd/system/multi-user.target.wants/httpd.service → /usr/lib/systemd/system/httpd.service.
[ec2-user@ip-10-0-0-5 ~]$
```

Now create a directory

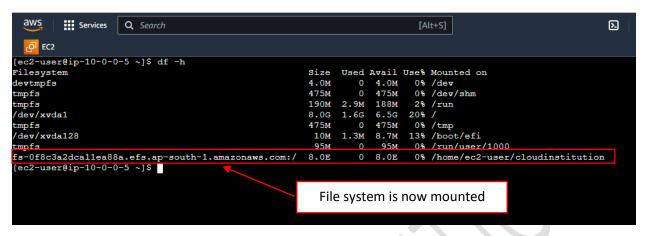


Now mount the EFS in the linux instance





The **df** -h command is used in Linux to display information about the disk space usage of all mounted filesystems



Step 4: Mount a file to the linux instance

The **Is -al** command is used to list the contents of a directory in long format, including hidden files.

```
aws
         Services
                    Q Search
                                                                         [Alt+S]
  EC2
[ec2-user@ip-10-0-0-5 ~]$ ls -al <
total 20
drwx----. 4 ec2-user ec2-user 119 May 18 07:18 .
                                  22 May 18 05:42 ...
drwxr-xr-x. 3 root
                      root
      ---. 1 ec2-user ec2-user 1800 May 18 07:21 .bash_history
                                 18 Jan 28 2023 .bash_logout
rw-r--r--. 1 ec2-user ec2-user
   -r--r-. 1 ec2-user ec2-user
                                 141 Jan 28
                                             2023 .bash_profile
   -r--r--. 1 ec2-user ec2-user
                                492 Jan 28
                                            2023 .bashrc
      ---. 2 ec2-user ec2-user
                                 29 May 18 05:42 .ssh
                                6144 May 18 06:29 cloudinstitution
drwxr-xr-x. 2 root
                      root
[ec2-user@ip-10-0-0-5 ~]$
```



Go to the cloudinstitution directory

```
aws
         Services
                    Q Search
                                                                            [Alt+S]
  ┌○ EC2
[ec2-user@ip-10-0-0-5 ~]$ ls -al
total 20
drwx----. 4 ec2-user ec2-user 119 May 18 07:18
drwxr-xr-x. 3 root
                     root
                                   22 May 18 05:42 ...
-rw-----. 1 ec2-user ec2-user 1800 May 18 07:21 .bash_history
rw-r--r-. 1 ec2-user ec2-user
                                             2023 .bash logout
                                 18 Jan 28
rw-r--r. 1 ec2-user ec2-user 141 Jan 28 2023 .bash profile
-rw-r--r-. 1 ec2-user ec2-user 492 Jan 28 2023 .bashrc
drwx----. 2 ec2-user ec2-user 29 May 18 05:42 .ssh
drwxr-xr-x. 2 root root 6144 May 18 06 [ec2-user@ip-10-0-0-5 ~]$ cd cloudinstitution
                                 6144 May 18 06:29 cloudinstitution
[ec2-user@ip-10-0-0-5 cloudinstitution]$
```

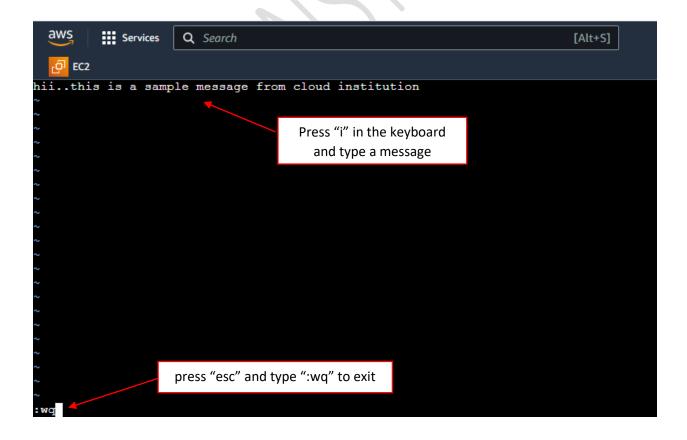
Create a directory and name it as file1

```
aws
        Services
                   Q Search
                                                                      [Alt+S]
  EC2
[ec2-user@ip-10-0-0-5 ~]$ ls -al
total 20
drwx----. 4 ec2-user ec2-user 119 May 18 07:18 .
drwxr-xr-x. 3 root root
                              22 May 18 05:42 ...
-rw-----. 1 ec2-user ec2-user 1800 May 18 07:21 .bash_history
-rw-r--r-. 1 ec2-user ec2-user 18 Jan 28 2023 .bash loqout
-rw-r--r-. 1 ec2-user ec2-user 141 Jan 28 2023 .bash profile
rw-r--r-. 1 ec2-user ec2-user 492 Jan 28 2023 .bashrc
drwx----. 2 ec2-user ec2-user 29 May 18 05:42 .ssh
drwxr-xr-x. 2 root root
                              6144 May 18 06:29 cloudinstitution
[ec2-user@ip-10-0-0-5 ~]$ cd cloudinstitution
[ec2-user@ip-10-0-0-5 cloudinstitution]$ sudo mkdir file1
```



Create a index.html file inside the directory

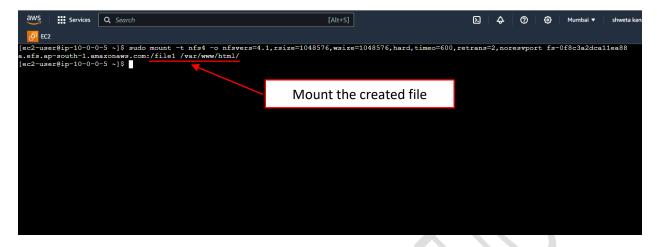
```
aws
        Services
                   Q Search
                                                                       [Alt+S]
  ro EC2
[ec2-user@ip-10-0-0-5 ~]$ ls -al
total 20
drwx----. 4 ec2-user ec2-user 119 May 18 07:18 .
drwxr-xr-x. 3 root
                     root
                                22 May 18 05:42 ...
-rw-----. 1 ec2-user ec2-user 1800 May 18 07:21 .bash_history
                               18 Jan 28 2023 .bash logout
rw-r--r-. 1 ec2-user ec2-user
rw-r--r-. 1 ec2-user ec2-user 141 Jan 28 2023 .bash profile
-rw-r--r-. 1 ec2-user ec2-user 492 Jan 28 2023 .bashrc
drwx----. 2 ec2-user ec2-user 29 May 18 05:42 .ssh
                             6144 May 18 06:29 cloudinstitution
drwxr-xr-x. 2 root root
[ec2-user@ip-10-0-0-5 ~]$ cd cloudinstitution
[ec2-user@ip-10-0-0-5 cloudinstitution]$ sudo mkdir file1
[ec2-user@ip-10-0-0-5 cloudinstitution]$ sudo vi file1/index.html
```



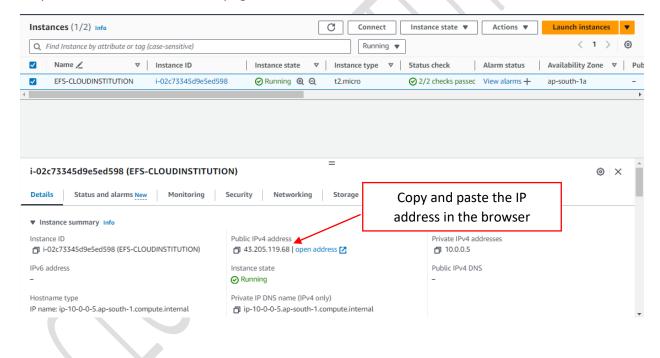




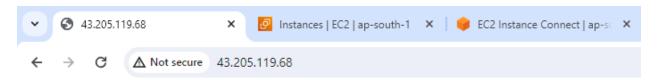
Now copy and paste the NFS client code from file system console



Step 5: Go to the EC2 instance page







hii..this is a sample message from cloud institution

