

ASSIGNMENT - 01

COURSE: AWS DEVOPS

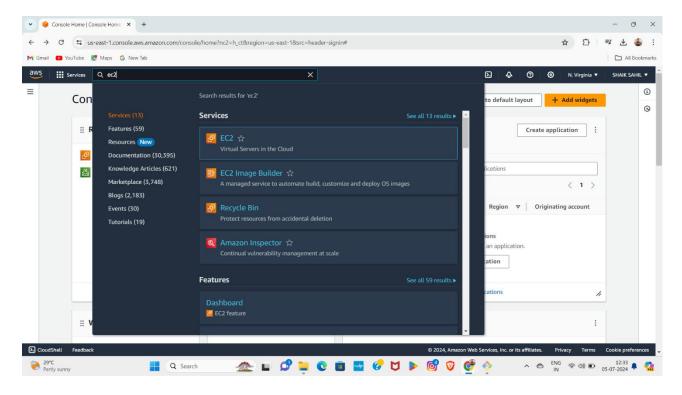
Trainer: Mr. MADHUKAR REDDY

NAME: NIKHILA

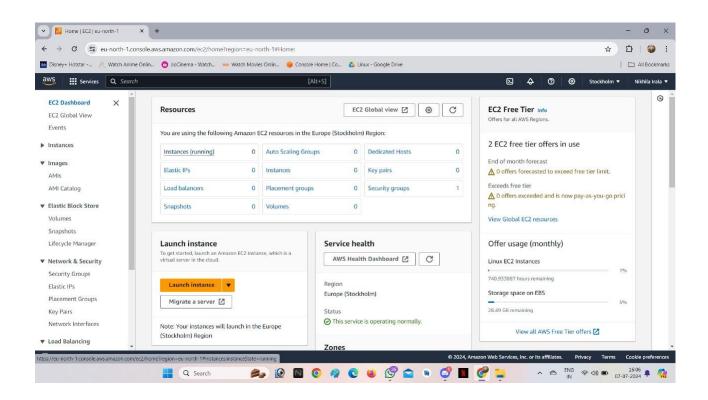
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1. CREATE THREE INSTANCE

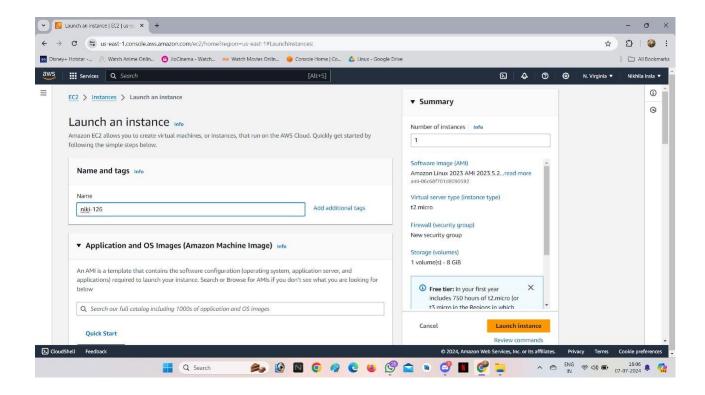
Go to AWS search bar and search EC2 and click on it.



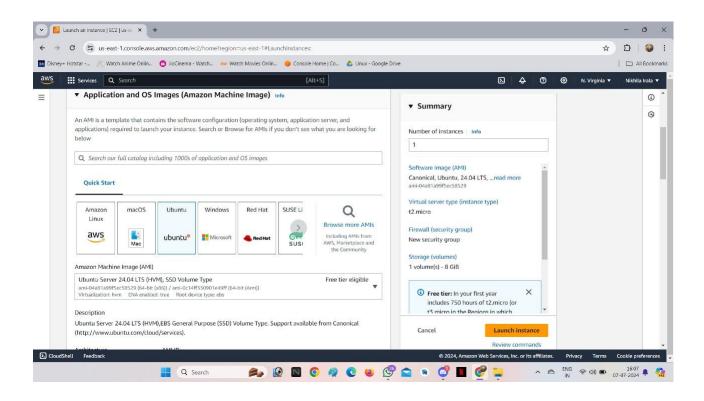
Click on launch instance



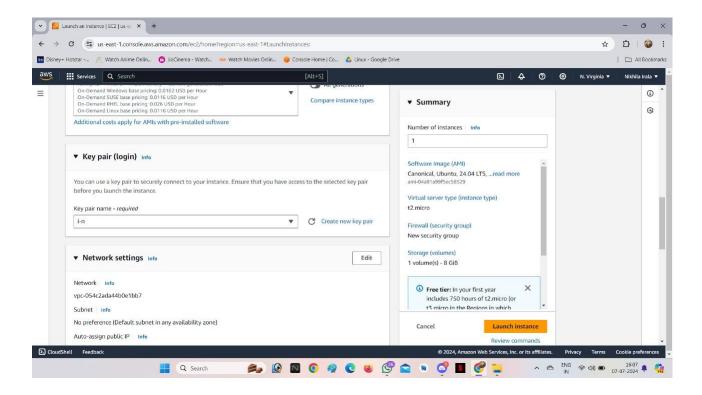
Give a name to the server.



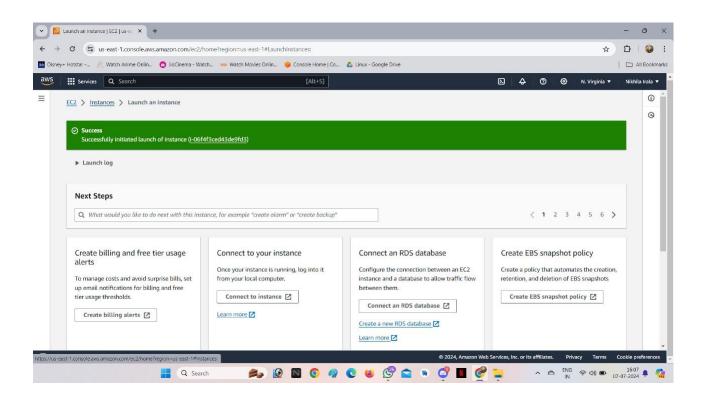
Select an Operating system(OS).



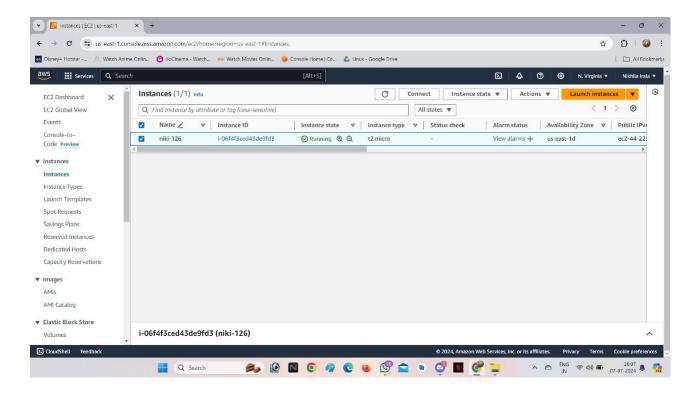
Create a key pair and Click on launch instance.



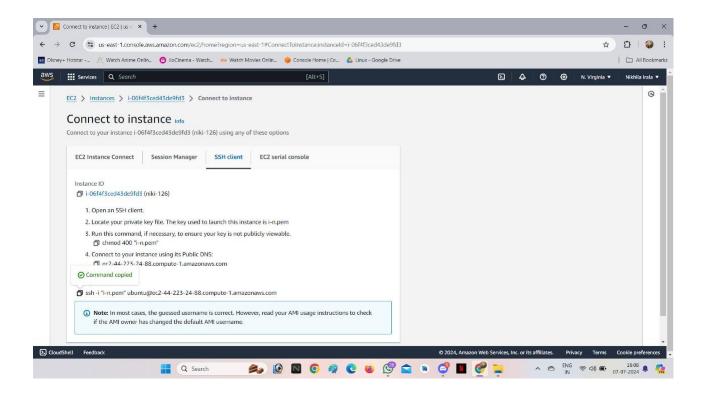
Repeat the same process to have three instances.



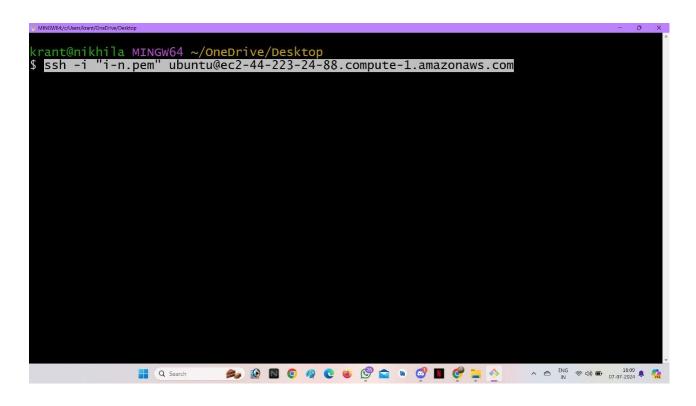
To check the storage of the instances-Go to instances click on instance ID.

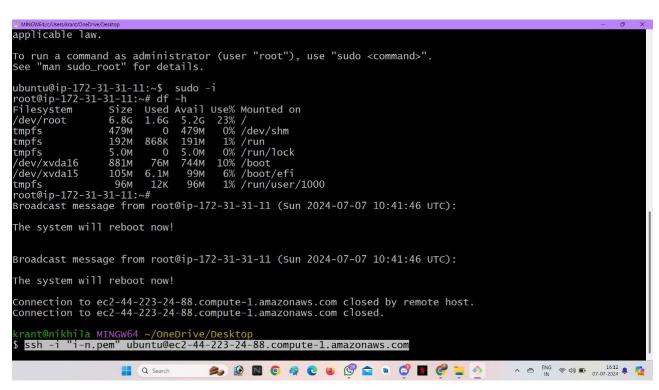


Connect to instance and copy the command below in SSH Client.



Check storage in OS with copied command and modify or increase the volume of the instance.

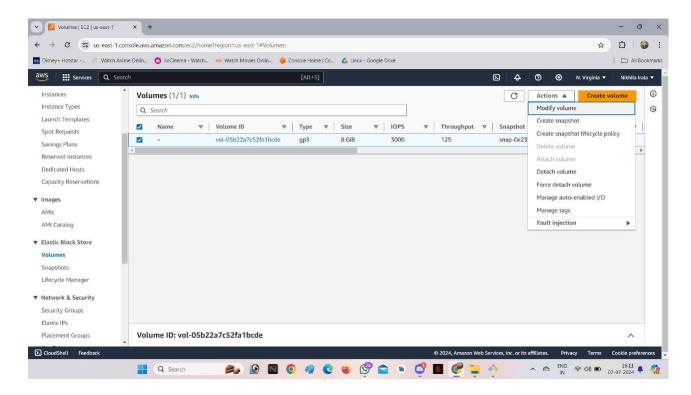




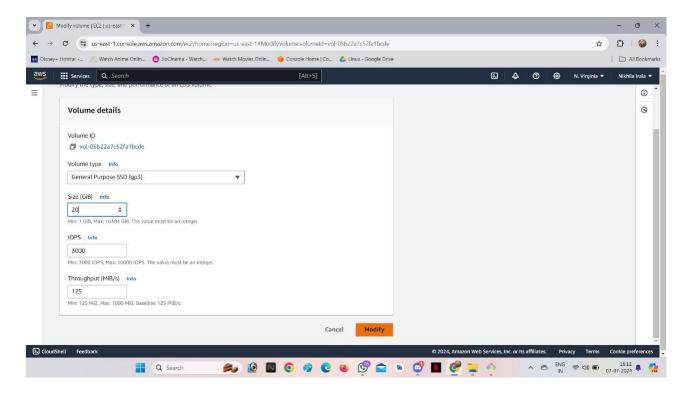
ELASTIC BLOCK STORE:

a.Attach one ebs to one instance.

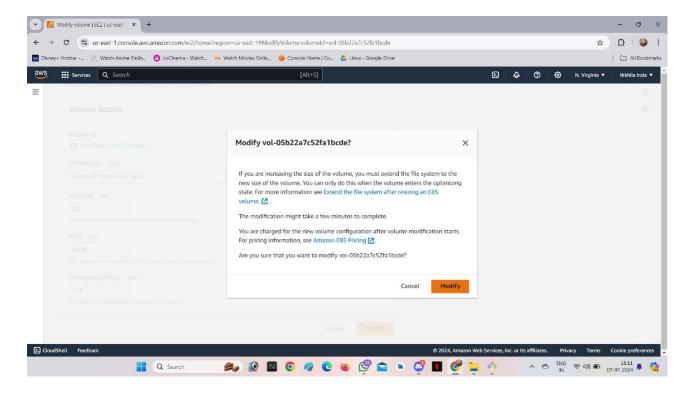
-Go to volumes and click on actions and the modify volume.



Increase or modify the volume with required size.

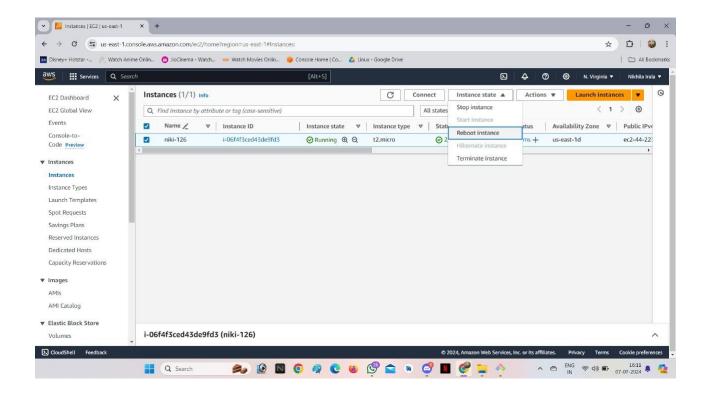


Click on modify.



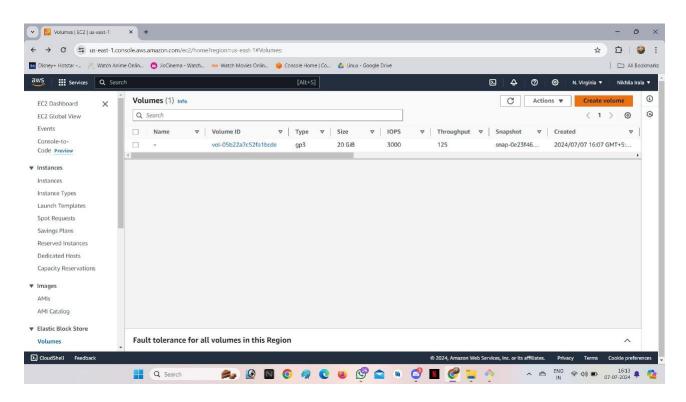
Go to instance

-Click on instance state and reboot instance for before checking storage of volume.

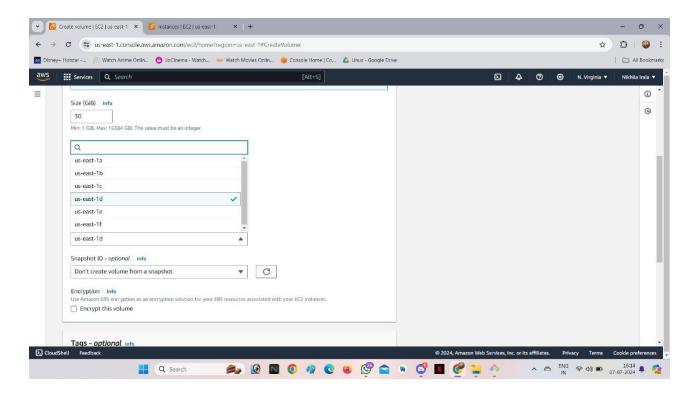


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https://ubuntu.com/pro
  Support:
 System information as of Sun Jul 7 10:42:43 UTC 2024
                0.91
                                                            110
 System load:
                                    Processes:
                8.4% of 18.33GB
 Usage of /:
                                   Users logged in:
                                    IPv4 address for enx0: 172.31.31.11
 Memory usage: 20%
 Swap usage:
                0%
Expanded Security Maintenance for Applications is not enabled.
O updates can be applied immediately.
Enable ESM Apps to receive additional future security updates.
See https://ubuntu.com/esm or run: sudo pro status
Last login: Sun Jul 7 10:39:59 2024 from 205.254.168.154
ubuntu@ip-172-31-31-11:~$ sudo -i
Size
19G
                      Used Avail Use% Mounted on
1.6G 17G 9% /
0 479M 0% /dev/shm
/dev/root
tmpfs
                479M
                                    0% /dev/shm
                                   1% /run
0% /run/lock
10% /boot
6% /boot/efi
1% /run/user/1000
tmpfs
                192M
                       872K
                             191M
                             5.0M
744M
                5.0M
                         0
tmpfs
/dev/xvda16
/dev/xvda15
                881M
105M
                        76M
                      6.1M
12K
                              99M
                              96M
                 96M
tmpfs
root@ip-172-31-31-11:~#
                                  Q Search
```

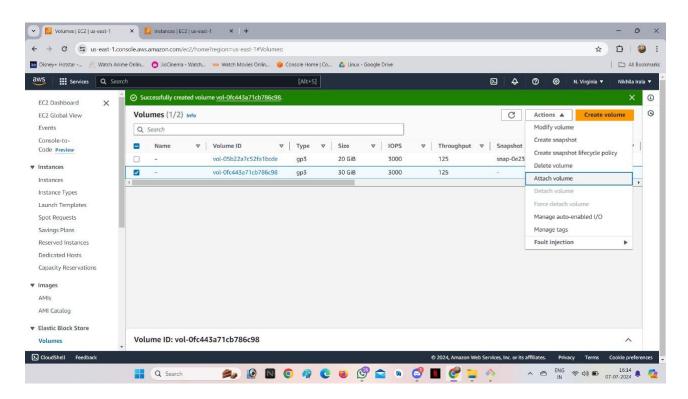
Go to volumes and click on create volume.



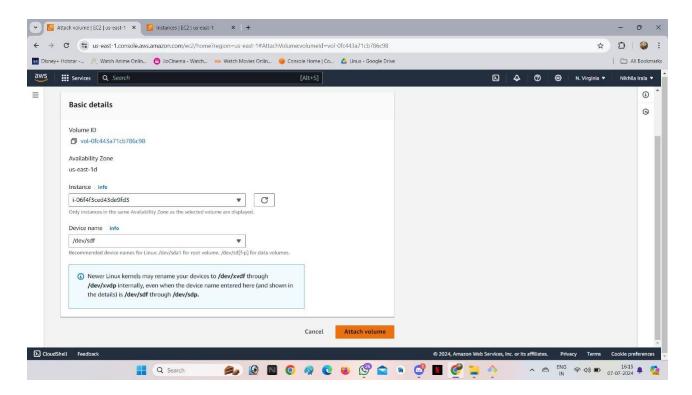
Create a volume size as required with same availability zone as instance.



Go to volumes and click on Actions and then Attach volume.



Check the availability zone, instance Id and select device name.



So the volume is attached to instance.

- -To check list of all block device by using "Isblk" command.
- -To check file system by using "file -s /dev/xvdf" command.
- -To create file system by using "mkfs -t xfs /dev/xvdf" command.
- -To create directory by using "mkdir-papps/volume" command.
- -Mount the directory by using "mount /dev/xvdf apps/volume" command.
- -To check the disk free with human readable language by using "df -h" command.

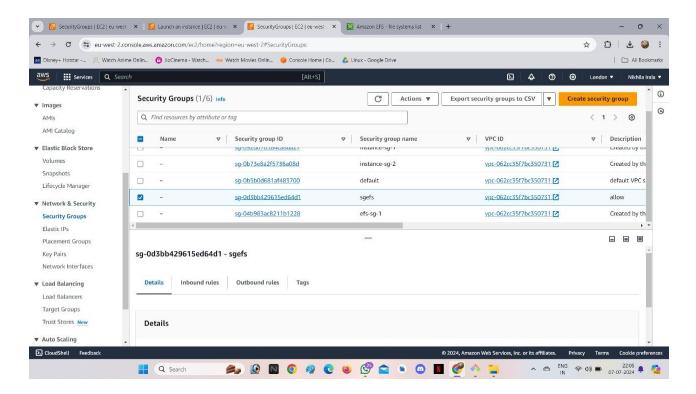
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| April | Company | Compan
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NOTE: One ebs can be attached to one instance but it cannot be attached to multiple instances.

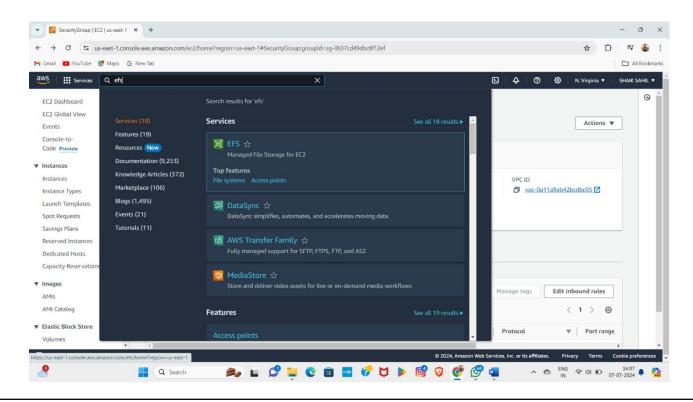
ELASTIC FILE SYSTEM:

b.Attach one efs to two instances.

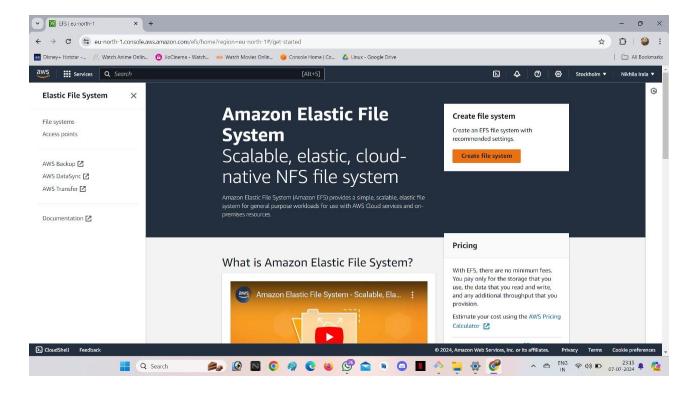
Go to security groups and create a security group with basic details.



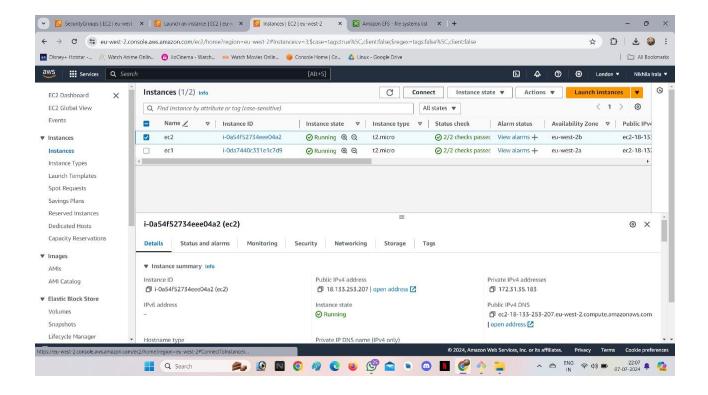
Search efs in aws search bar.



Click on create file system.

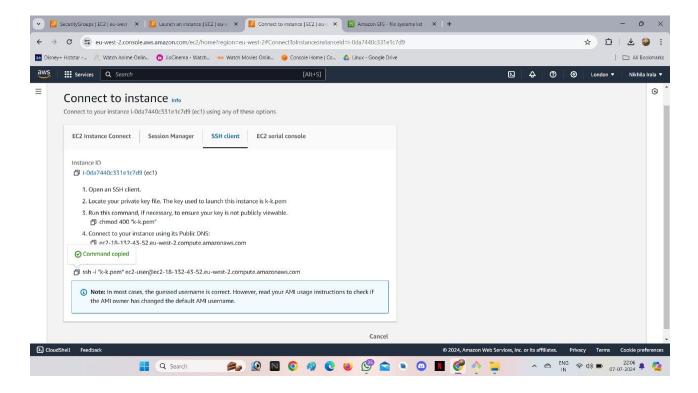


Go to instances and launch two instance with name, os and key pair.

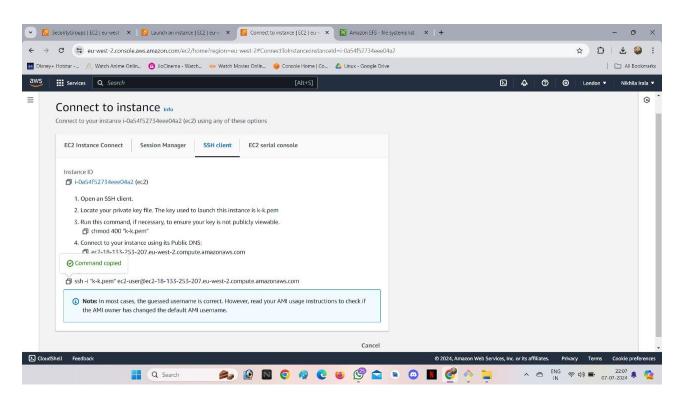


Go to both instance ID and connect to instance and copy the command from SSH client.

INSTANCE -1



INSTANCE-2



Create files in both instances and check those files in different OS platforms.

Git bash-1

Git bash-2

