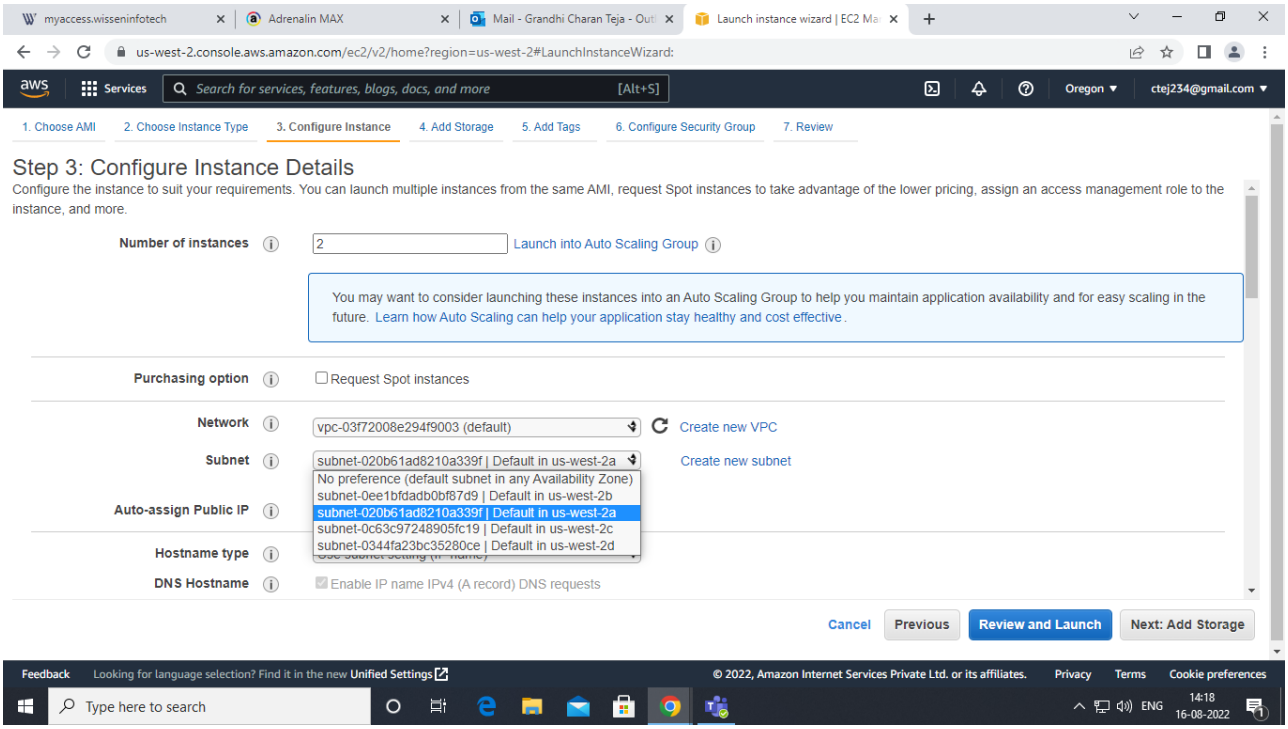
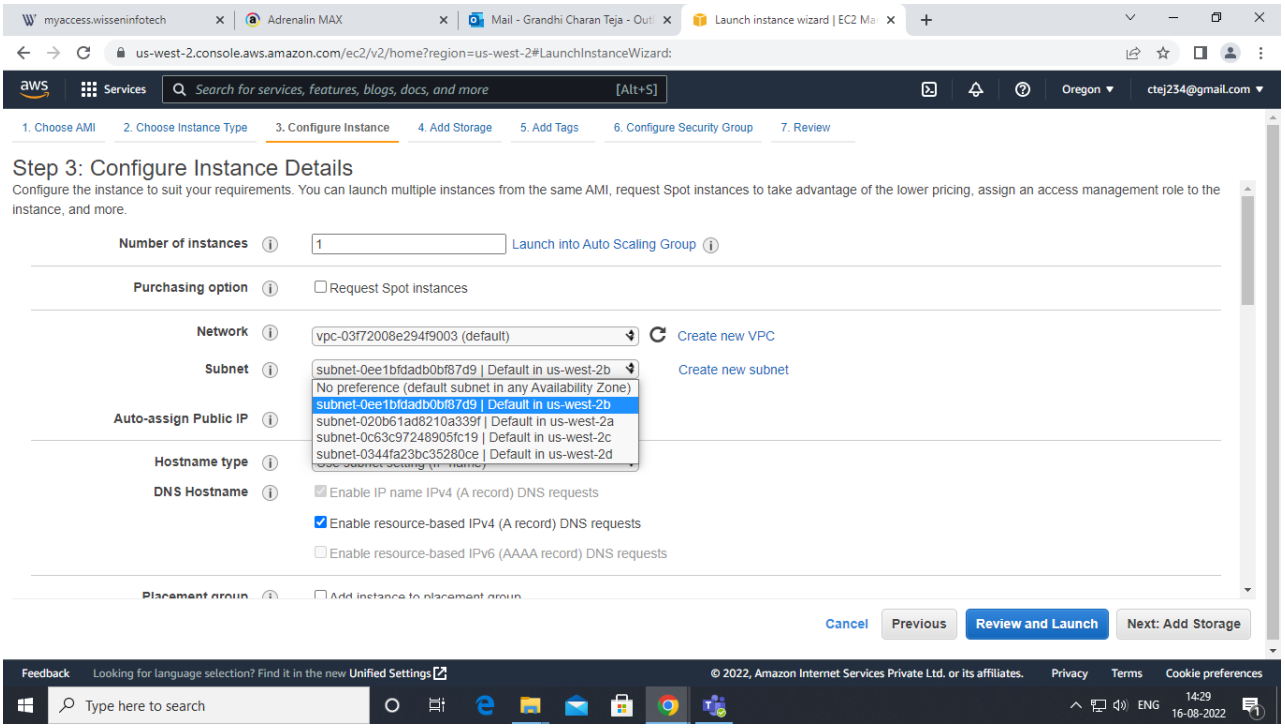
1.Create two instances in one availability zone in us-west-2a

2.create another instance in us-west-2b

3.create another instance in us-west-2c

4.create instance with security group of NFS TYPE




myaccess.wisseninfotech
Adrenalin MAX
Mail - Grandhi Charan Teja - Out
Launch instance wizard | EC2 Ma
us-west-2.console.aws.amazon.com/ec2/v2/home?region=us-west-2#LaunchInstanceWizard:
Services
Search for services, features, blogs, docs, and more
[Alt+S]
Oregon
ctej234@gmail.com
1. Choose AMI
2. Choose Instance Type
3. Configure Instance
4. Add Storage
5. Add Tags
6. Configure Security Group
7. Review
Step 3: Configure Instance Details
Configure the instance to suit your requirements. You can launch multiple instances from the same AMI, request Spot instances to take advantage of the lower pricing, assign an access management role to the instance, and more.
Number of instances
1
Launch into Auto Scaling Group
Purchasing option
Request Spot instances
Network
vpc-03f72008e294f9003 (default)
Create new VPC
Subnet
subnet-0ee1bfdadb0bf87d9 | Default in us-west-2b
Create new subnet
No preference (default subnet in any Availability Zone)
subnet-0ee1bfdadb0bf87d9 | Default in us-west-2b
subnet-020b61ad8210a339f | Default in us-west-2a
subnet-0c63c97248905fc19 | Default in us-west-2c
subnet-0344fa23bc35280ce | Default in us-west-2d
Auto-assign Public IP
Hostname type
DNS Hostname
Enable IP name IPv4 (A record) DNS requests
Enable resource-based IPv4 (A record) DNS requests
Enable resource-based IPv6 (AAAA record) DNS requests
Placement group
Add instance to placement group
Cancel
Previous
Review and Launch
Next: Add Storage
Feedback
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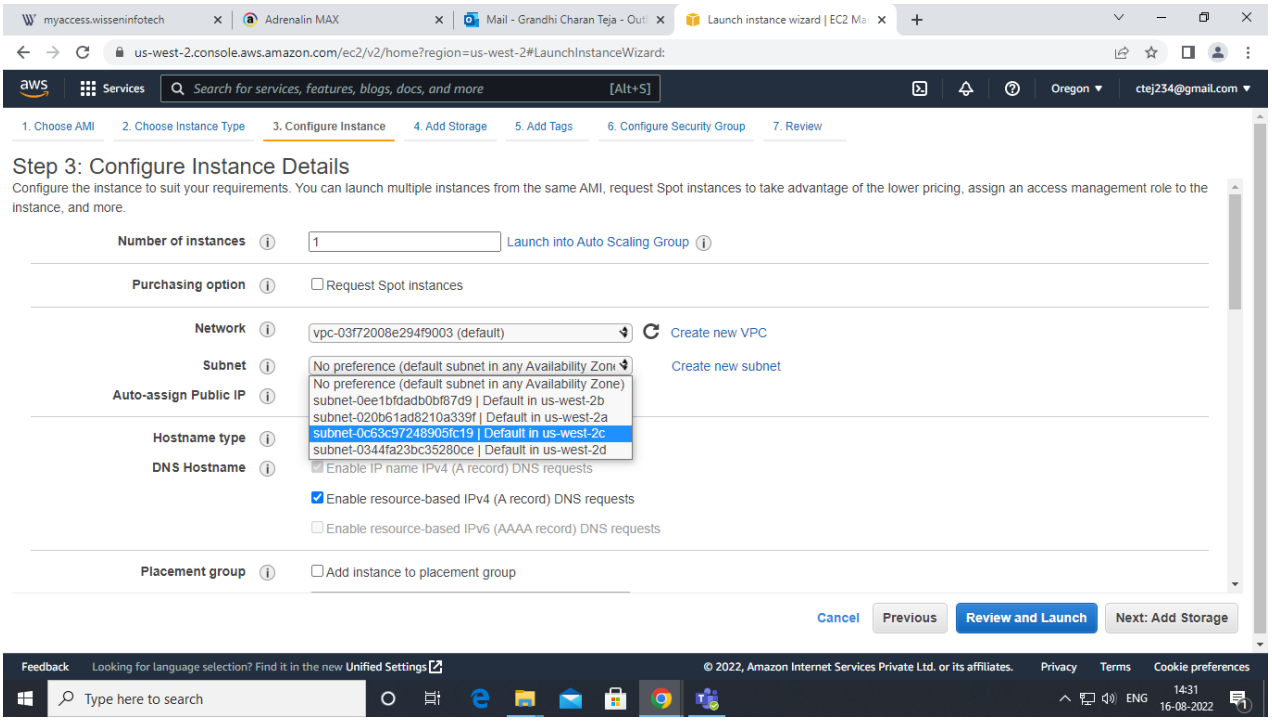
16-08-2022


myaccess.wisseninfotech
Adrenalin MAX
Mail - Grandhi Charan Teja - Out
Launch instance wizard | EC2 Ma
us-west-2.console.aws.amazon.com/ec2/v2/home?region=us-west-2#LaunchInstanceWizard:
Services
Search for services, features, blogs, docs, and more
[Alt+S]
Oregon
ctej234@gmail.com
1. Choose AMI
2. Choose Instance Type
3. Configure Instance
4. Add Storage
5. Add Tags
6. Configure Security Group
7. Review
Step 3: Configure Instance Details
Configure the instance to suit your requirements. You can launch multiple instances from the same AMI, request Spot instances to take advantage of the lower pricing, assign an access management role to the instance, and more.
Number of instances
1
Launch into Auto Scaling Group
Purchasing option
Request Spot instances
Network
vpc-03f72008e294f9003 (default)
Create new VPC
Subnet
No preference (default subnet in any Availability Zone
Create new subnet
No preference (default subnet in any Availability Zone)
subnet-0ee1bfdadb0bf87d9 | Default in us-west-2b
subnet-020b61ad8210a339f | Default in us-west-2a
subnet-0c63c97248905fc19 | Default in us-west-2c
subnet-0344fa23bc35280ce | Default in us-west-2d
Auto-assign Public IP
Hostname type
DNS Hostname
Enable IP name IPv4 (A record) DNS requests
Enable resource-based IPv4 (A record) DNS requests
Enable resource-based IPv6 (AAAA record) DNS requests
Placement group
Add instance to placement group
Cancel
Previous
Review and Launch
Next: Add Storage
Feedback
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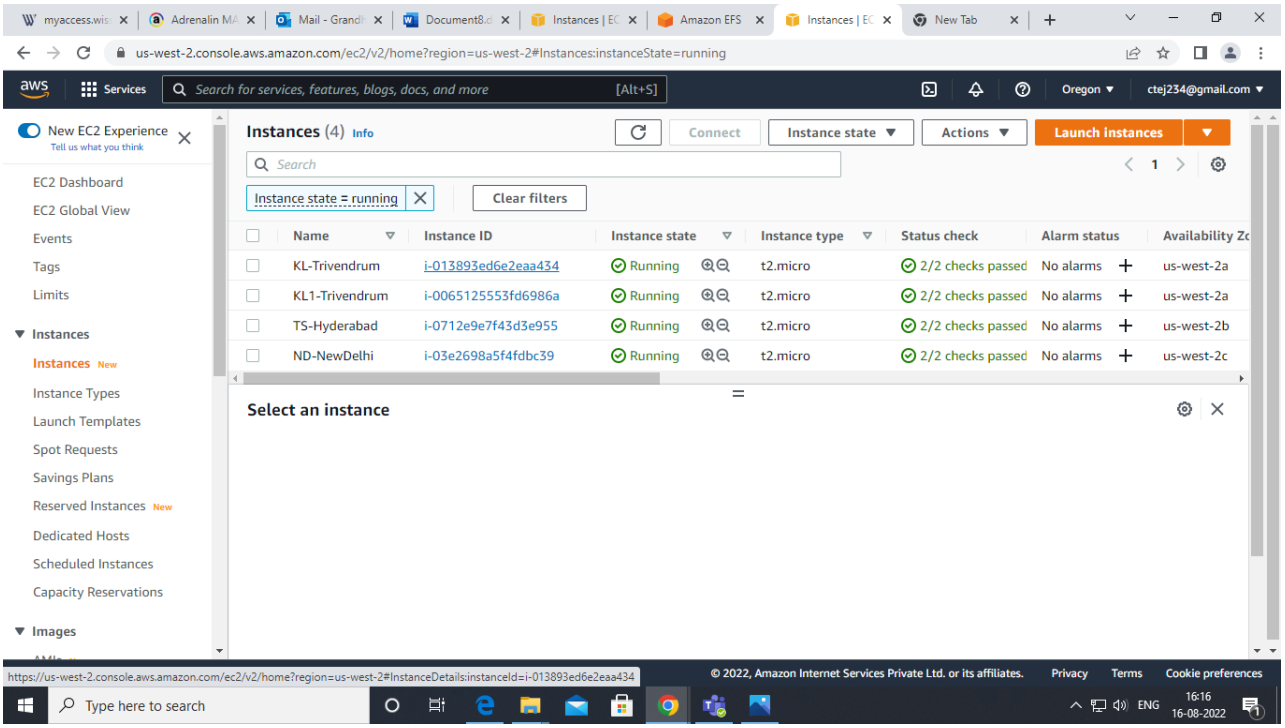
14:31
16-08-2022



Connect to EC2 INSTANCE and give some commands

1. Sudo su -

2.update command – yum update –y

3.hostname setup command – hostnamectl set-hostname KL-Trivendrum

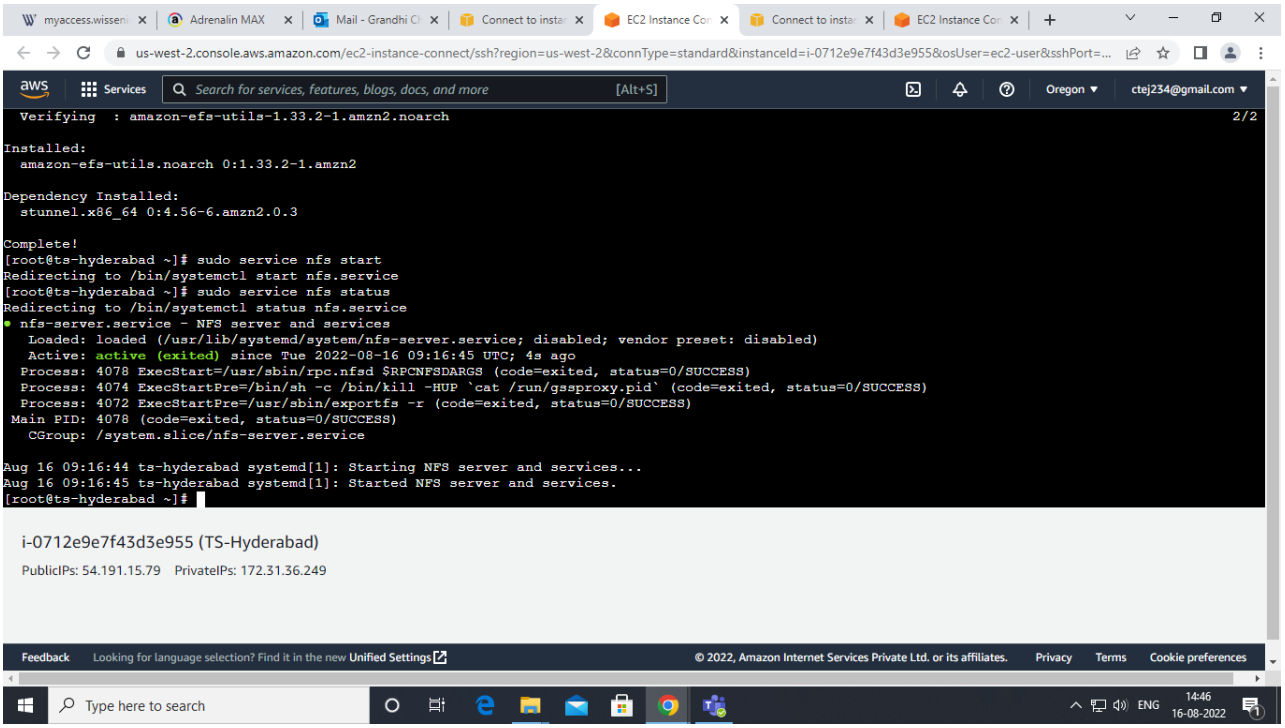
4. execute the host command – exec bash

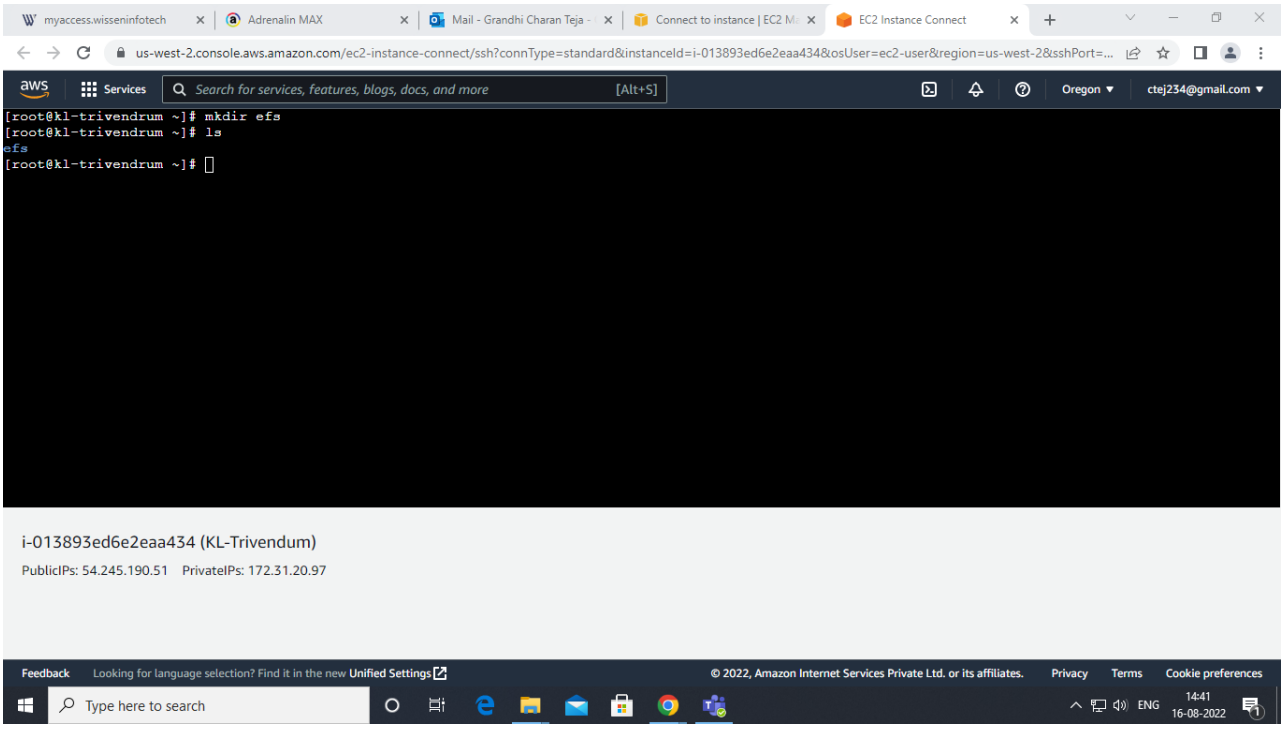
5. efs command -- Sudo yum install –y amazon-efs-utils

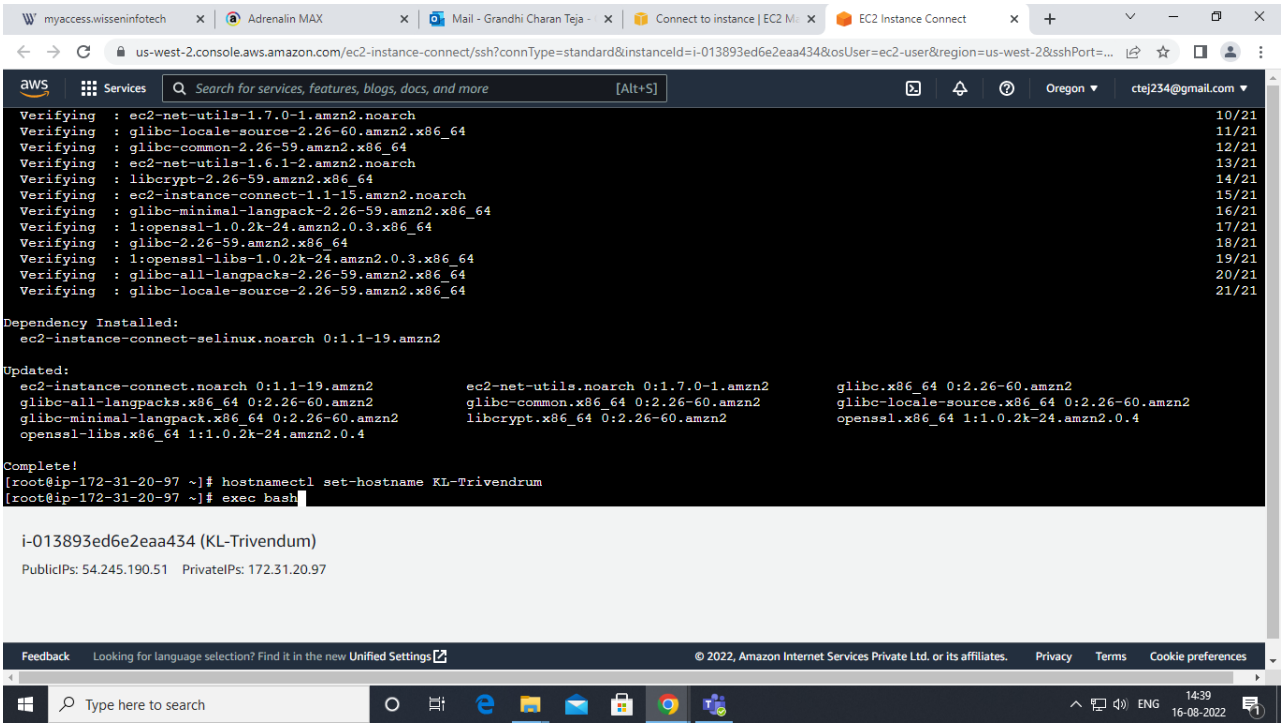
6.To start command - sudo service nfs start

7. To status command – sudo service nfs status

8. mkdir efs – to create directory


Verifying : amazon-efs-utils-1.33.2-1.amzn2.noarch 2/2
Installed:
amazon-efs-utils.noarch 0:1.33.2-1.amzn2
Dependency Installed:
stunnel.x86_64 0:4.56-6.amzn2.0.3
Complete!
[root@ts-hyderabad ~]# sudo service nfs start
Redirecting to /bin/systemctl start nfs.service
[root@ts-hyderabad ~]# sudo service nfs status
Redirecting to /bin/systemctl status nfs.service
nfs-server.service - NFS server and services
Loaded: loaded (/usr/lib/systemd/system/nfs-server.service; disabled; vendor preset: disabled)
Active: active (exited) since Tue 2022-08-16 09:16:45 UTC; 4s ago
Process: 4078 ExecStart=/usr/sbin/rpc.nfsd $RPCNFSDARGS (code=exited, status=0/SUCCESS)
Process: 4074 ExecStartPre=/bin/sh -c /bin/kill -HUP `cat /run/gssproxy.pid` (code=exited, status=0/SUCCESS)
Process: 4072 ExecStartPre=/usr/sbin/exportfs -r (code=exited, status=0/SUCCESS)
Main PID: 4078 (code=exited, status=0/SUCCESS)
CGroup: /system.slice/nfs-server.service
Aug 16 09:16:44 ts-hyderabad systemd[1]: Starting NFS server and services...
Aug 16 09:16:45 ts-hyderabad systemd[1]: Started NFS server and services.
[root@ts-hyderabad ~]#
i-0712e9e7f43d3e955 (TS-Hyderabad)
PublicIPs: 54.191.15.79 PrivateIPs: 172.31.36.249


[root@kl-trivendrum ~]# mkdir efs
[root@kl-trivendrum ~]# ls
efs
[root@kl-trivendrum ~]#
i-013893ed6e2eaa434 (KL-Trivendum)
PublicIPs: 54.245.190.51 PrivateIPs: 172.31.20.97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Adrenalin MAX
Mail - Grandhi Charan Teja -
Connect to instance | EC2 M
EC2 Instance Connect
us-west-2.console.aws.amazon.com/ec2-instance-connect/ssh?connType=standard&instanceId=i-013893ed6e2eaa434&osUser=ec2-user&region=us-west-2&sshPort=...
aws
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ctej234@gmail.com
Verifying : ec2-net-utils-1.7.0-1.amzn2.noarch 10/21
Verifying : glibc-locale-source-2.26-60.amzn2.x86_64 11/21
Verifying : glibc-common-2.26-59.amzn2.x86_64 12/21
Verifying : ec2-net-utils-1.6.1-2.amzn2.noarch 13/21
Verifying : libcrypt-2.26-59.amzn2.x86_64 14/21
Verifying : ec2-instance-connect-1.1-15.amzn2.noarch 15/21
Verifying : glibc-minimal-langpack-2.26-59.amzn2.x86_64 16/21
Verifying : 1:openssl-1.0.2k-24.amzn2.0.3.x86_64 17/21
Verifying : glibc-2.26-59.amzn2.x86_64 18/21
Verifying : 1:openssl-libs-1.0.2k-24.amzn2.0.3.x86_64 19/21
Verifying : glibc-all-langpacks-2.26-59.amzn2.x86_64 20/21
Verifying : glibc-locale-source-2.26-59.amzn2.x86_64 21/21
Dependency Installed:
ec2-instance-connect-selinux.noarch 0:1.1-19.amzn2
Updated:
ec2-instance-connect.noarch 0:1.1-19.amzn2
ec2-net-utils.noarch 0:1.7.0-1.amzn2
glibc.x86_64 0:2.26-60.amzn2
glibc-all-langpacks.x86_64 0:2.26-60.amzn2
glibc-common.x86_64 0:2.26-60.amzn2
glibc-locale-source.x86_64 0:2.26-60.amzn2
glibc-minimal-langpack.x86_64 0:2.26-60.amzn2
libcrypt.x86_64 0:2.26-60.amzn2
openssl.x86_64 1:1.0.2k-24.amzn2.0.4
openssl-libs.x86_64 1:1.0.2k-24.amzn2.0.4
Complete!
[root@ip-172-31-20-97 ~]# hostnamectl set-hostname KL-Trivendrum
[root@ip-172-31-20-97 ~]# exec bash
i-013893ed6e2eaa434 (KL-Trivendum)
PublicIPs: 54.245.190.51 PrivateIPs: 172.31.20.97
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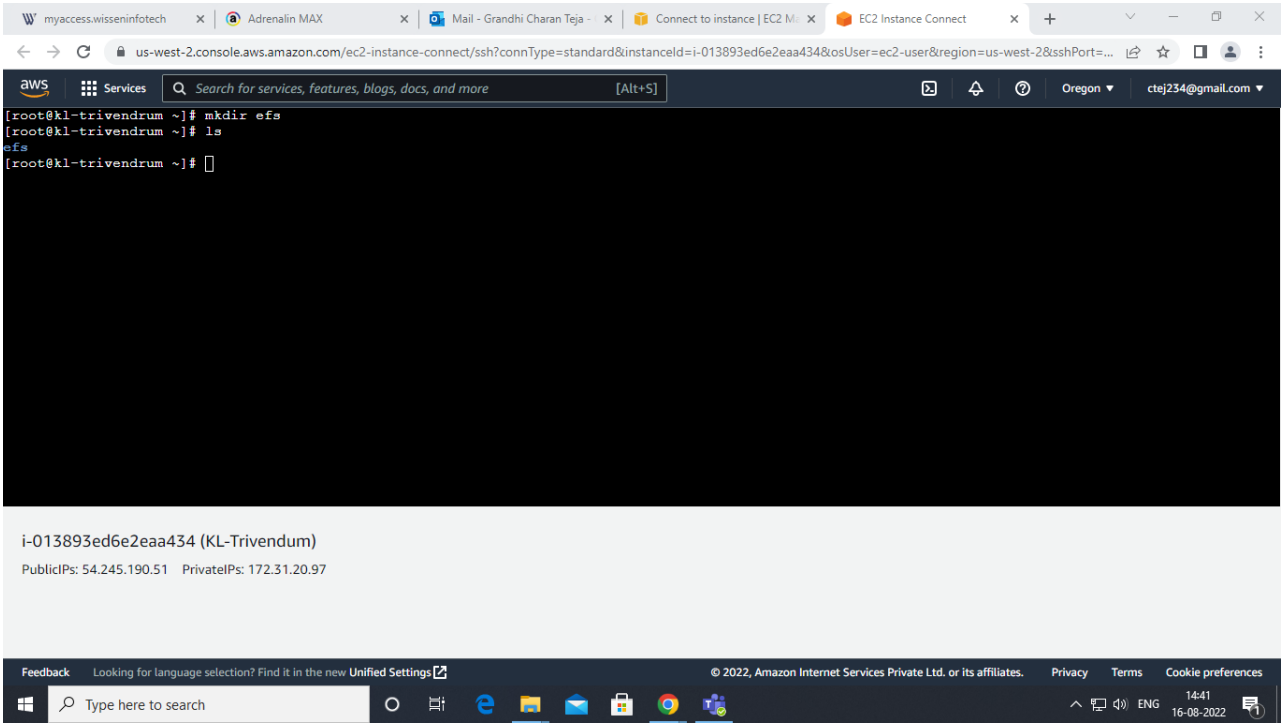
myaccess.wisseninfotech
Adrenalin MAX
Mail - Grandhi Charan Teja -
Connect to instance | EC2 M
EC2 Instance Connect
us-west-2.console.aws.amazon.com/ec2-instance-connect/ssh?connType=standard&instanceId=i-013893ed6e2eaa434&osUser=ec2-user&region=us-west-2&sshPort=...
aws
Services
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[Alt+S]
Oregon
ctej234@gmail.com
[root@kl-trivendrum ~]# mkdir efs
[root@kl-trivendrum ~]# ls
efs
[root@kl-trivendrum ~]#
i-013893ed6e2eaa434 (KL-Trivendum)
PublicIPs: 54.245.190.51 PrivateIPs: 172.31.20.97
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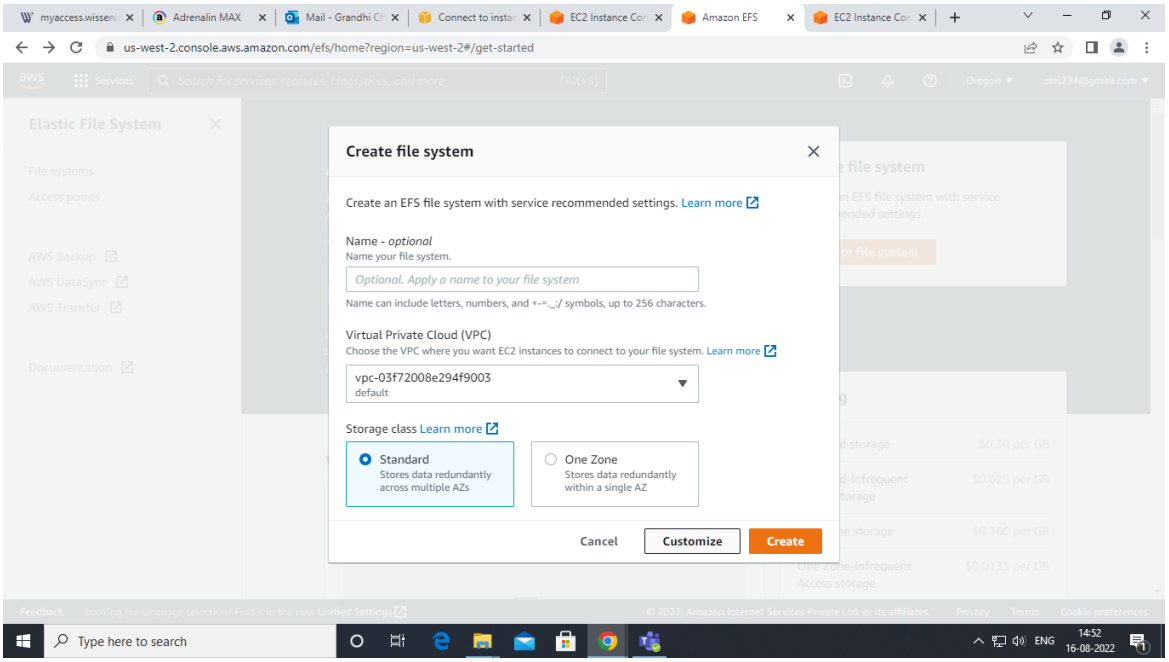
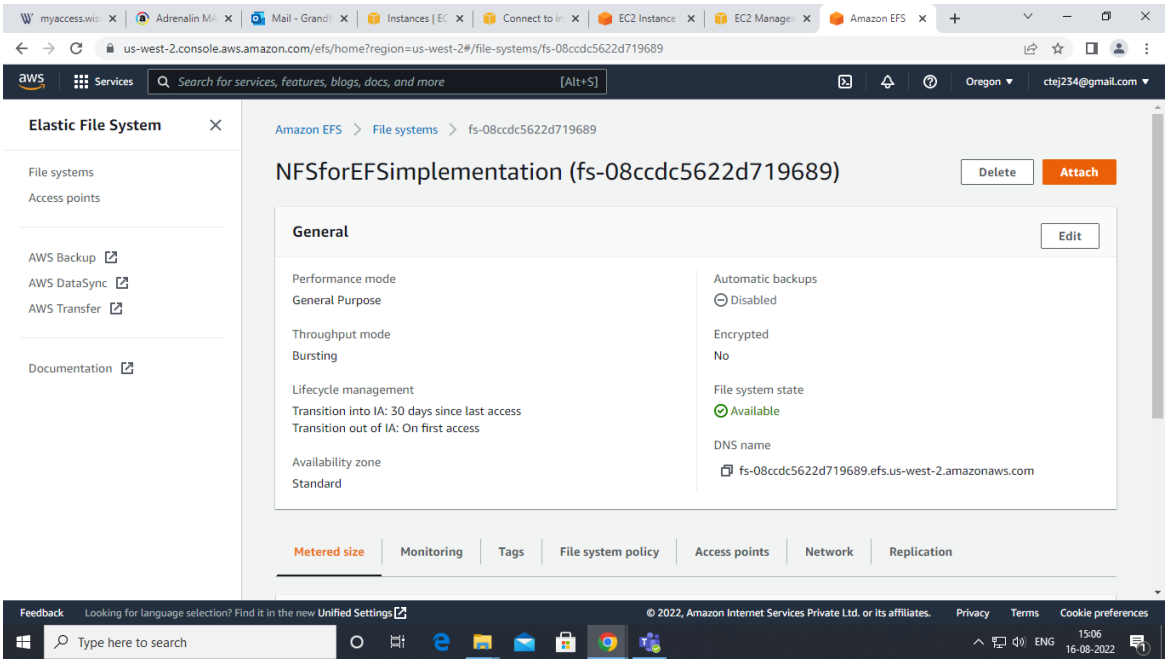
CREATE EFS

Go to Customize and create efs



Efs is created and click on attach


us-west-2.console.aws.amazon.com/efs/home?region=us-west-2#/file-systems/fs-08ccdc5622d719689
Elastic File System
File systems
Access points
AWS Backup
AWS DataSync
AWS Transfer
Documentation
Amazon EFS > File systems > fs-08ccdc5622d719689
NFSforEFSimplementation (fs-08ccdc5622d719689)
Delete
Attach
General
Edit
Performance mode
General Purpose
Throughput mode
Bursting
Lifecycle management
Transition into IA: 30 days since last access
Transition out of IA: On first access
Availability zone
Standard
Automatic backups
Disabled
Encrypted
No
File system state
Available
DNS name
fs-08ccdc5622d719689.efs.us-west-2.amazonaws.com
Metered size
Monitoring
Tags
File system policy
Access points
Network
Replication
Feedback
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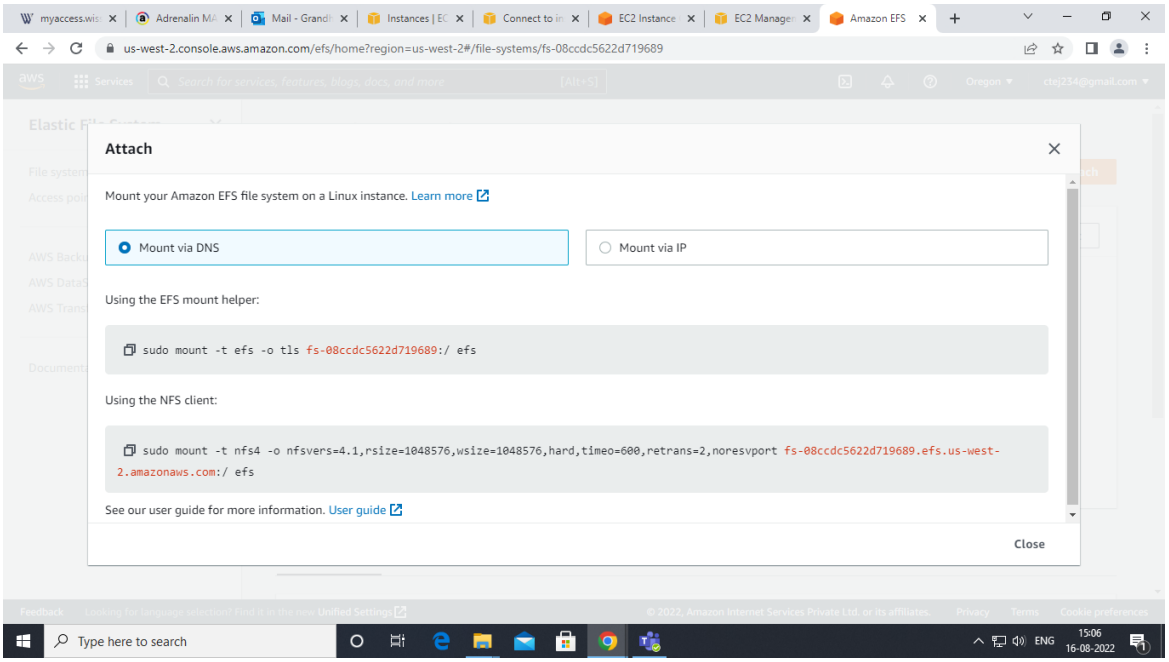
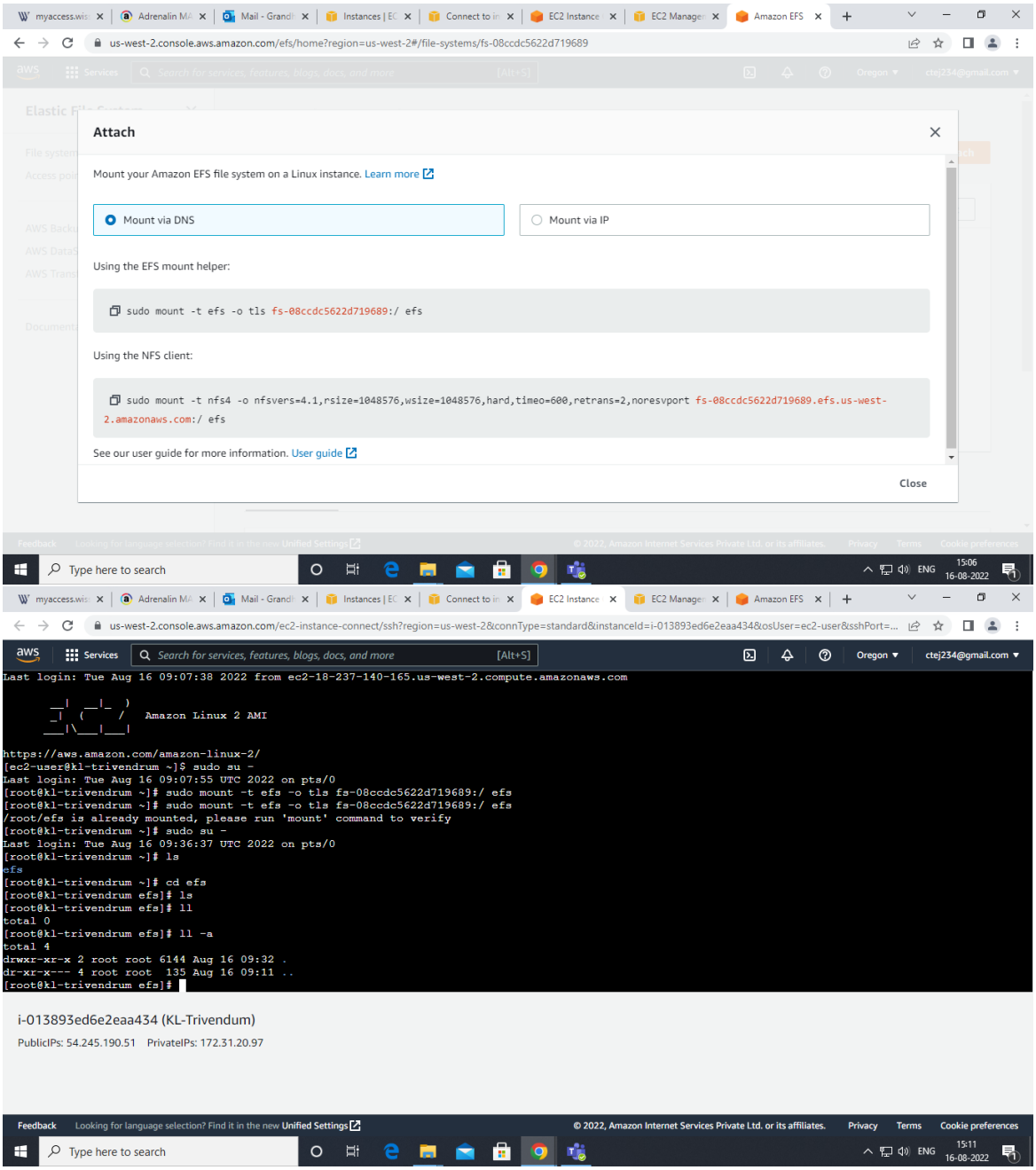
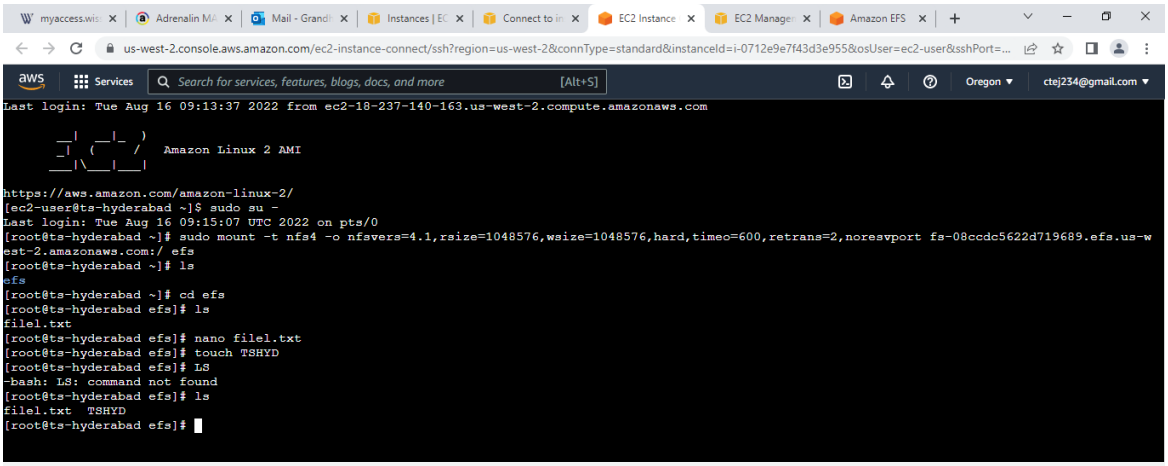
16-08-2022


us-west-2.console.aws.amazon.com/efs/home?region=us-west-2#/file-systems/fs-08ccdc5622d719689
Attach
Mount your Amazon EFS file system on a Linux instance. Learn more
Mount via DNS
Mount via IP
Using the EFS mount helper:
sudo mount -t efs -o tls fs-08ccdc5622d719689:/ efs
Using the NFS client:
sudo mount -t nfs4 -o nfsvers=4.1,rsize=1048576,wsize=1048576,hard,timeo=600,retrans=2,noresvport fs-08ccdc5622d719689.efs.us-west-2.amazonaws.com:/ efs
See our user guide for more information. User guide
Close
Type here to search
ENG
15:06
16-08-2022



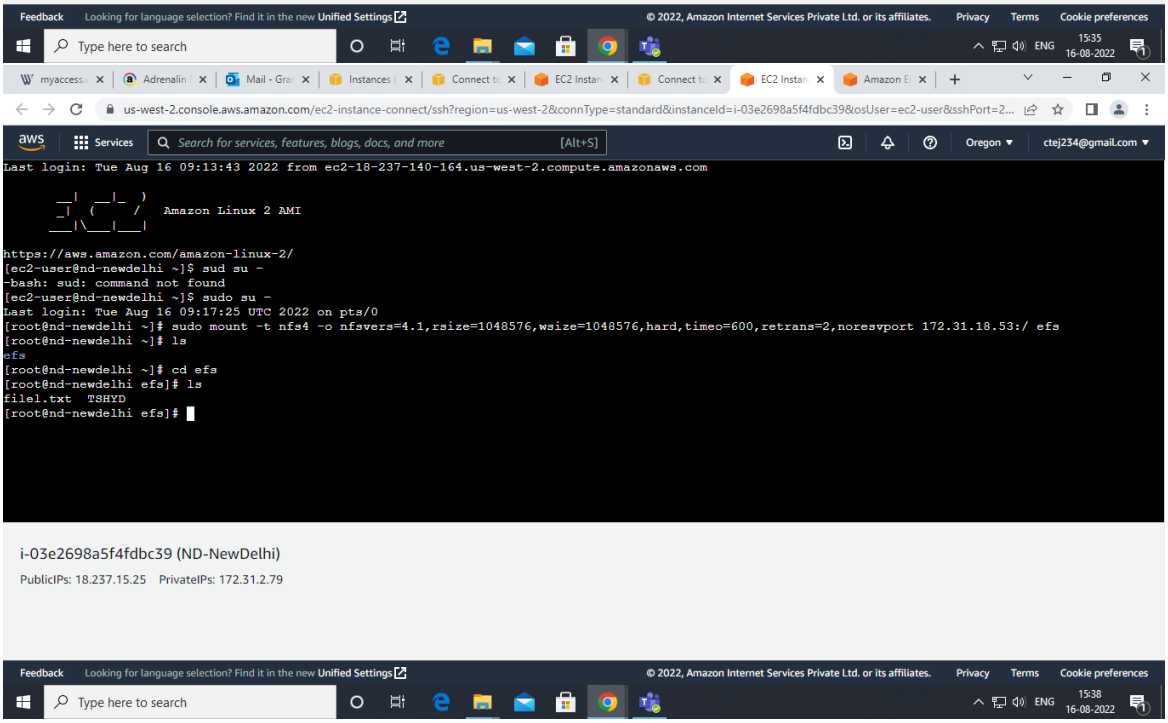
i-013893ed6e2eaa434 (KL-Trivendum)

PublicIPs: 54.245.190.51 PrivateIPs: 172.31.20.97



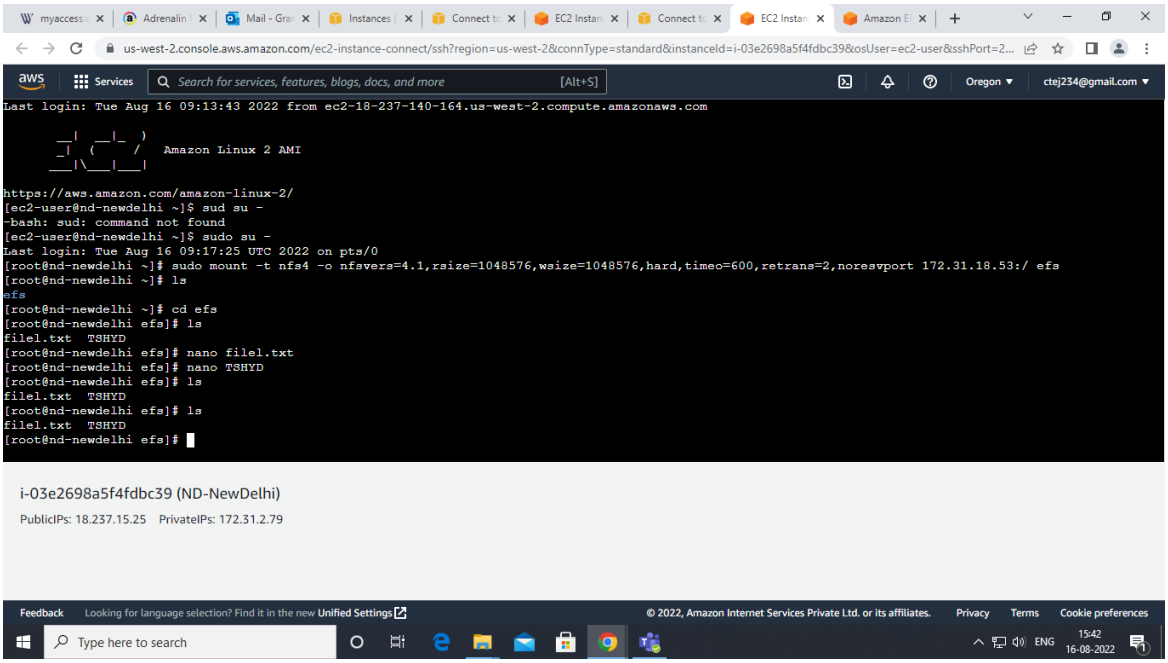
i-0712e9e7f43d3e955 (TS-Hyderabad)

PublicIPs: 54.191.15.79 PrivateIPs: 172.31.36.249



i-03e2698a5f4fdbc39 (ND-NewDelhi)

PublicIPs: 18.237.15.25 PrivateIPs: 172.31.2.79



Conclusion: EFS Mounting and Running successfully with different availability zones