AWS - Amazon Elastic File System (Amazon EFS)

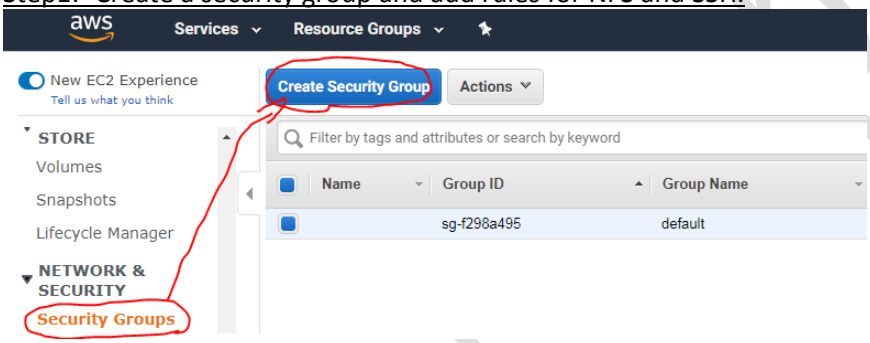
https://docs.aws.amazon.com/AWSEC2/latest/UserGuide/AmazonEFS.html

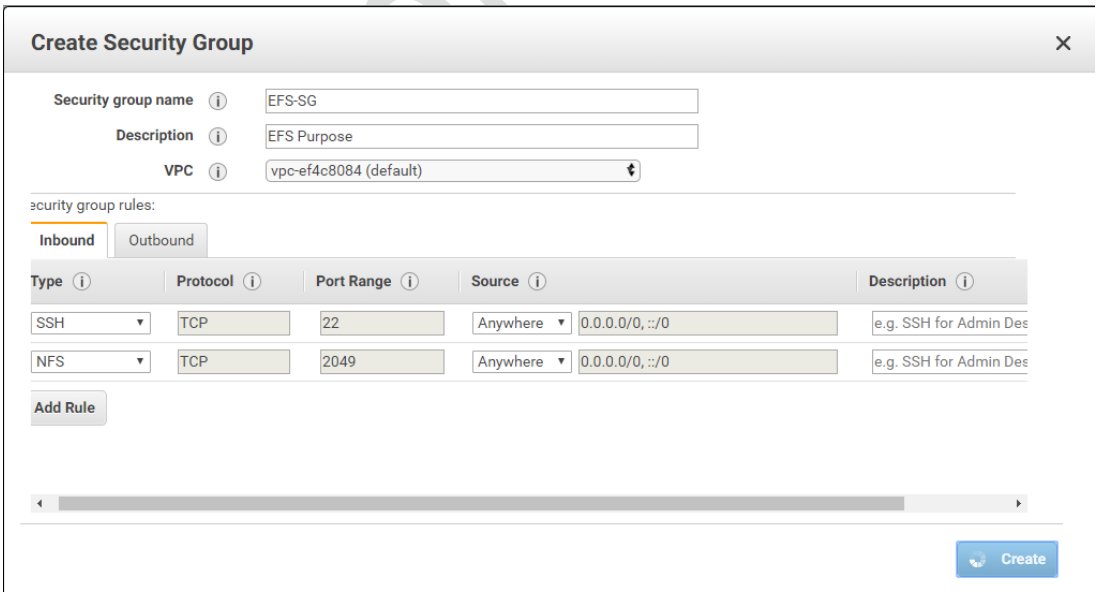
Prerequisites

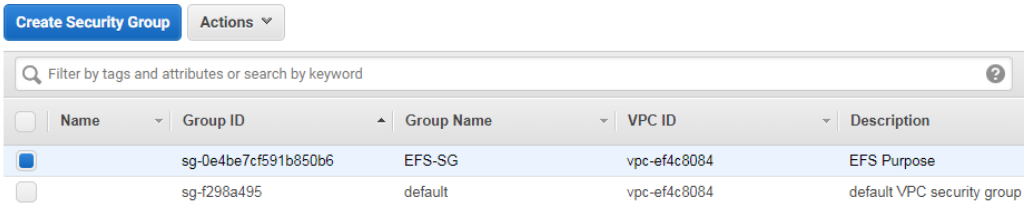
- Create a security group (for example, efs-sg) to associate with the EC2 instances and EFS mount target, and add the following rules:
    - Allow inbound SSH connections to the EC2 instances from your computer (the source is the CIDR block for your network).

Allow inbound NFS connections to the file system via the EFS mount target from the EC2 instances that are associated with this security group (the source is the security group itself). For more information, see Amazon EFS Rules, and Security Groups for Amazon EC2 Instances and Mount Targets in the *Amazon Elastic File System User Guide*.
https://docs.aws.amazon.com/AWSEC2/latest/UserGuide/security-group-rules-reference.html#sg-rules-efs

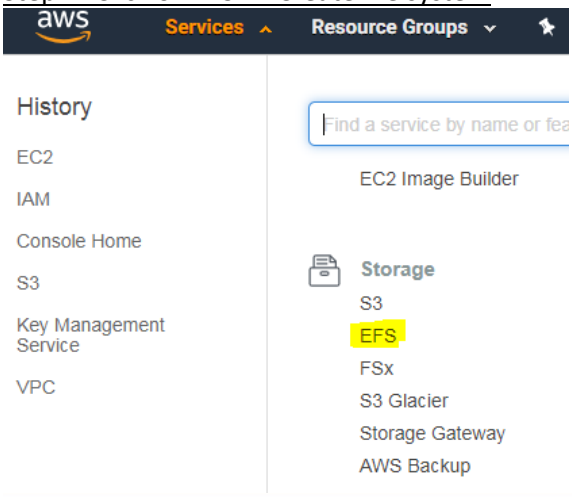
Step1:- Create a security group and add rules for NFS and SSH.

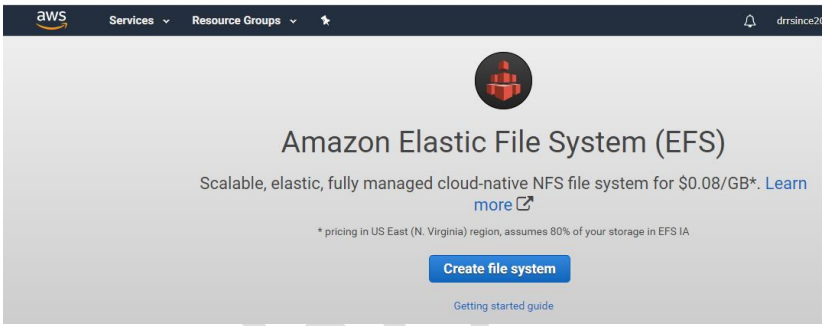


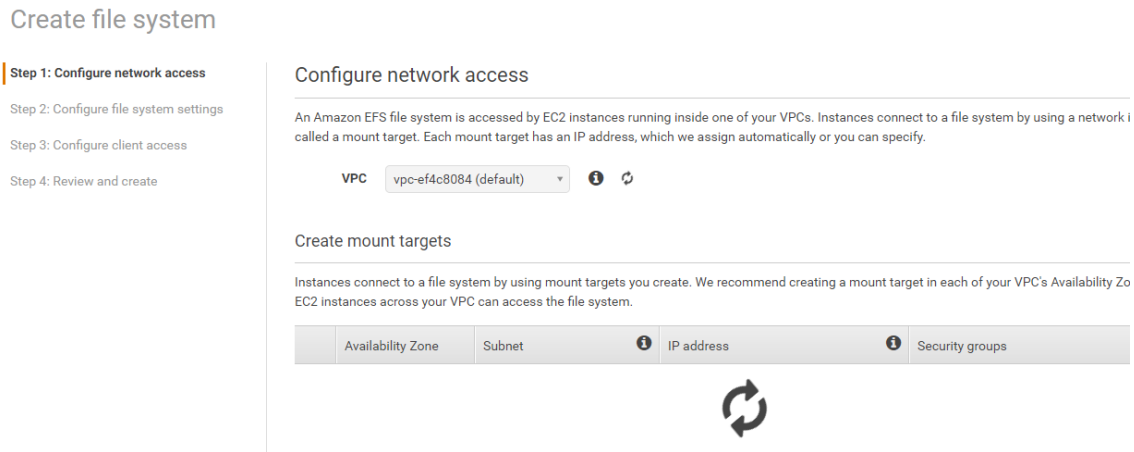




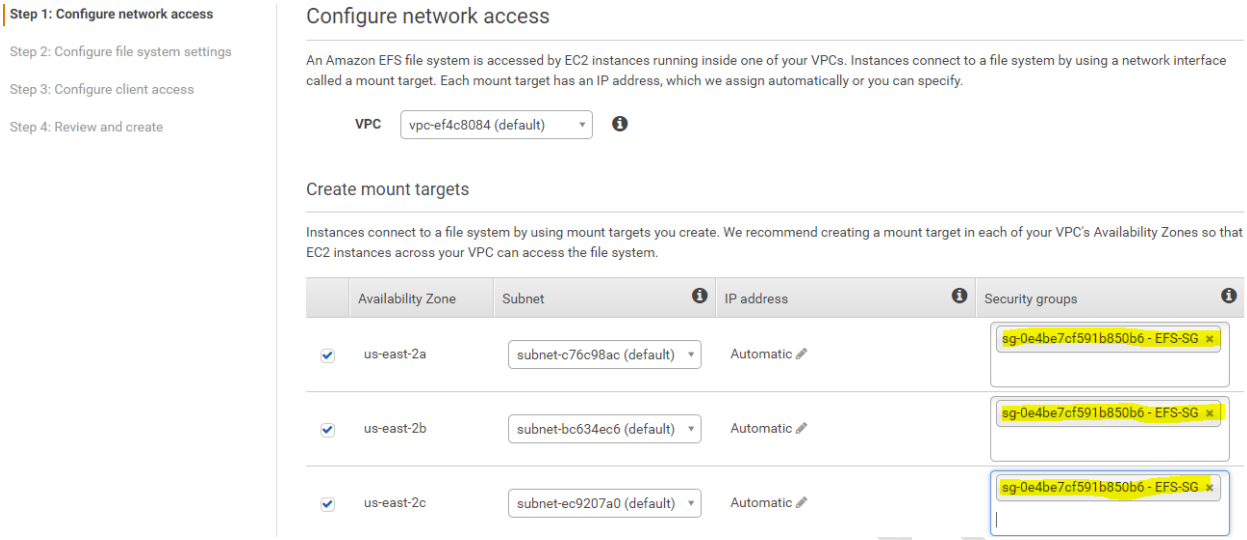
Step2:- Click on EFS → Create file system



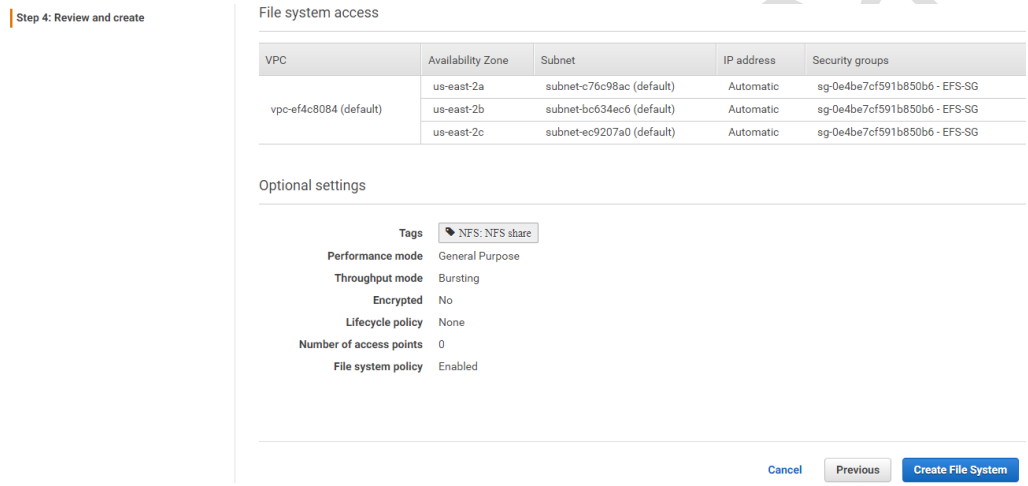




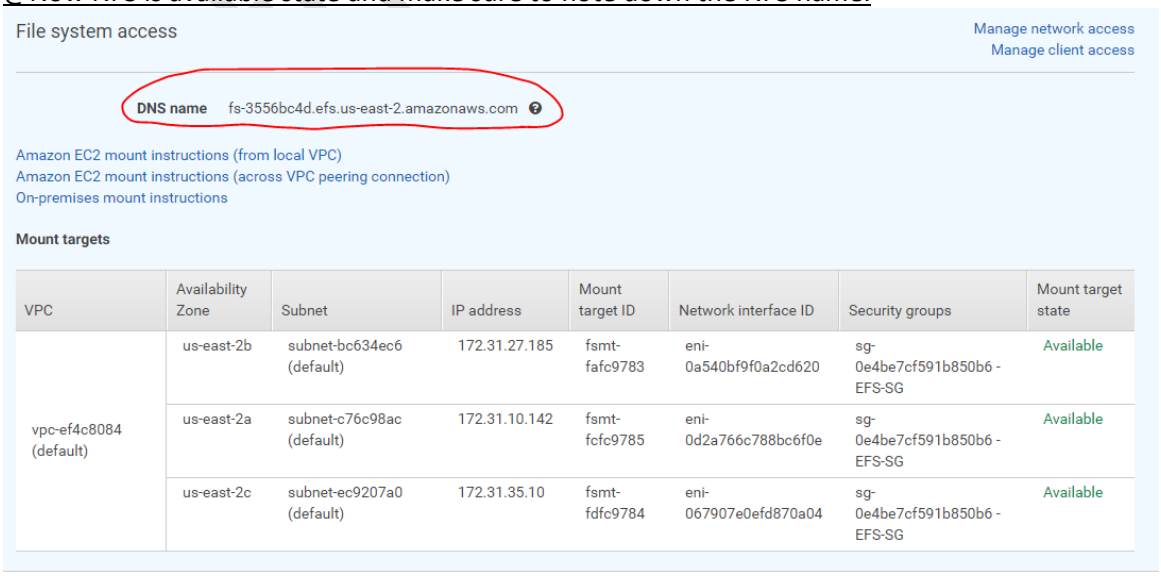
@Select security group for all zone, which has been created before → Click on Next step



@Click on Create File System.



@Now NFS is available state and make sure to note down the NFS name.



Step3:- Launch one Ec2 and Mount the NFS on linux machine.
@Launch the EC2 instance with help of (AWS_Launch-EC2instance.pdf)

yum update -y
yum install -y nfs-utils
#mount fs-3556bc4d.efs.us-east-2.amazonaws.com:/ /mnt
#df -hTP /mnt

```
Filesystem                                Type  Size  Used Avail Use% Mounted on
fs-3556bc4d.efs.us-east-2.amazonaws.com:/ nfs4  8.0E     0  8.0E   0% /mnt
[root@ip-172-31-2-0 ~]#
```

Note:- you can test by copying data into nfs folder and mount the same nfs to another instance and test it.