**Elastic File Service System**

**LAB - EFS**

**Create EFS and mount on 2 Linux instances.**

We will use **DefaultVPC** for the lab

1. Launch 2 Linux instances **EFSLinuxServer1** and **EFSLinuxServer2** in2 different AZ within your preferred AWSregion.
   1. Make sure to note down the AZs in which you placed your instances.
2. Create a new security group for your efs
   1. Group Name: **myefs-sg**
   2. Description**: myefs-sg**
   3. Open Protocol type **NFS** on **2049** on security group from the private IP of your servers.
   4. Source of your security group should be Private IP of your Ec2 instance

**Create EFS**

1. Navigate to AWS **EFS** service
2. Create a new efs and name it **My-EFS**
   1. On the network configuration, only allow subnet in same AZ and your instances
   2. Select **myefs-sg** created in previous step
3. Select **MyEFS**
4. Click on **Attach**
5. Select **Mount via IP**
6. Availability Zone: Select same AZ as your instance
7. Copy command to a text file

Connect to **Linux Server 1** and mount efs

* 1. sudo su –
  2. df -h (Notice file share is not mounted)
  3. cd /mnt/
  4. mkdir -p efs
  5. copy and paste efs command then **enter**
  6. df -h (Notice new mount point)
  7. cd efs
  8. echo “My efs mount” > testfile.txt
  9. cd testfile.txt
  10. ls
  11. cat Testfile1.txt

Repeat same process on other server, mount efs on server 2 and notice same file shows up.