**Elastic File Service System**

**LAB - EFS**

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

We will use DefaultVPC for the lab

1. Launch a Linux instance **EFSLinuxServer1** in **us-east-1** region
   1. Make sure to select AZ **1a** subnet
   2. Allow public IP
2. Create a new security group
   1. Group Name: **myefs-sg**
   2. Description**: myefs-sg**
   3. Open Protocol type **NFS** on **2049** on security group

Create EFS

1. Navigate to AWS **EFS** service
2. Create a new efs **MyEFS**
   1. On the network, only allow subnet in AZ 1a
   2. Select **MyEFS** created in previous step
3. Select **MyEFS**
4. Click on **Attach**
5. Select **Mount via IP**
6. Availability Zone: **Select 1a**
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
* Navigate back to **efs** service in the management console
* Select **MyEFS**
* Click on **Network**
* Click **Manage**
* **Add Mount Target**
  + Selectsubnet in **1b**
  + Select **myefs-sg**
* Click **on Save**
* Click **Attach**
* Select **Mount via IP**
* **Availability Zone: 1b**
* Copy command and paste on a text file

launch a second **EFSLinuxServer2**

1. Select subnet in **1b**
2. Connect to **EFSLinuxServer2**

Let’s mount same file share on **EFSLinuxServer2** and verify we can access folder and file created inside in **EFSLinuxServer1**

1. sudo su –
2. df -h
3. cd /mnt/
4. mkdir -p efs
5. copy and paste efs command then **enter**
6. df -h
7. cd efs
   1. ls
   2. cat testfile.txt