**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 **Linux Server 1** 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: **Linux Server Security Group**
   2. Description**: Linux Server Security Group**
   3. Open ports **22** and **2049** on security group

Create EFS

1. Navigate to AWS **EFS** service
2. Create a new efs **LabEFS**
   1. On the network, only allow subnet in AZ 1a
   2. Select **Linux Security group** created in previous step
3. Select **LabEFS**
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. cd /mnt/
  3. mkdir -p efs
  4. copy and paste efs command then **enter**
  5. cd efs
  6. mkdir testfolder
  7. cd testfolder
  8. echo “test file” > Testfile1.txt
  9. ls
  10. cat Testfile1.txt
* Navigate back to **efs** service in the management console
* Select **LabEFS**
* Click on **Network**
* Click **Manage**
* **Add Mount Target**
  + Selectsubnet in **1b**
  + Select **Linux Security Group**
* Click **on Save**
* Click **Attach**
* Select **Mount via IP**
* **Availability Zone: 1b**
* Copy command and paste on a text file

launch a second **server Linux Server 2**

1. Select subnet in **1b**
2. Use same security group as **Linux Server 1**
3. Connect to **server Linux Server 2**

Let’s mount same file share on **server Linux Server 2** and verify we can access folder and file created inside in **Linux Server 1**

1. sudo su –
2. cd /mnt/
3. mkdir -p efs
4. copy and paste efs command then **enter**
5. cd efs
   1. cd testfolder
   2. ls
   3. cat Testfile1.txt
   4. You should see **test file**