

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. 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
 4. Source of your security group should be Private of your Ec2 instance

Create EFS

1. Navigate to AWS **EFS** service
2. Create a new efs and name it **My-EFS**
 - a. On the network configuration, only allow subnet in same AZ and your instances
 5. 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

- a. `sudo su -`
- b. `df -h` (Notice file share is not mounted)
- c. `cd /mnt/`
- d. `mkdir -p efs`
- e. copy and paste efs command then **enter**
- f. `df -h` (Notice new mount point)
- g. `cd efs`
- h. `echo "My efs mount" > testfile.txt`
- i. `cd testfile.txt`
- j. `ls`
- k. `cat Testfile1.txt`

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