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**
    a. On the network, only allow subnet in AZ 1a
    b. 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

    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

- Navigate back to **efs** service in the management console
- Select **MyEFS**
- Click on **Network**
- Click **Manage**

- **Add Mount Target**
  - Select subnet 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**

a. sudo su –
b. df -h
c. cd /mnt/
d. mkdir -p efs
e. copy and paste efs command then **enter**
f. df -h
g. cd efs
l. ls
m. cat testfile.txt