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

    a. sudo su –
    b. cd /mnt/
    c. mkdir -p efs
    d. copy and paste efs command then **enter**
    e. cd efs
    f. mkdir testfolder
    g. cd testfolder
    h. echo "test file" > Testfile1.txt
    i. ls
    j. cat Testfile1.txt
- Navigate back to **efs** service in the management console
- Select **LabEFS**
- Click on **Network**
- Click **Manage**

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

a. sudo su –
b. cd /mnt/
c. mkdir -p efs
d. copy and paste efs command then **enter**
e. cd efs
k. cd testfolder
l. ls
m. cat Testfile1.txt
n. You should see **test file**