

LAB: Create a file in /var/www/html in an instance and mount it on other instances using EFS

1. Create 3 Instances in three different regions (where you want to mount your file systems)
2. Create a security Group having following inbound rules

Edit inbound rules ✕

Type ⓘ	Protocol ⓘ	Port Range ⓘ	Source ⓘ	Description ⓘ	
HTTP ▾	TCP	80	Custom ▾ 0.0.0.0/0	e.g. SSH for Admin Desktop	✕
Custom TCP F ▾	TCP	8080	Custom ▾ 0.0.0.0/0	e.g. SSH for Admin Desktop	✕
SSH ▾	TCP	22	Custom ▾ 0.0.0.0/0	e.g. SSH for Admin Desktop	✕
HTTPS ▾	TCP	443	Custom ▾ 0.0.0.0/0	e.g. SSH for Admin Desktop	✕
NFS ▾	TCP	2049	Custom ▾ 0.0.0.0/0	e.g. SSH for Admin Desktop	✕

Add Rule

Add this Security Group to each instance.

3. Click on **Services** → **EFS** → **Create File System**
 4. **Configure File System :**
 - Select subnets where you added the Instances
 - Add the security group that you created for each instance to every subnet along with the default security group
 5. Configure additional settings
 6. Review and Create → Click on create file system
- The mount points will take time to be available**
7. Once the mount target is available click on: [Amazon EC2 mount instructions \(from local VPC\)](#) → Follow the instructions (according to the config)
 - In this case
 - ❖ `yum install httpd`
 - ❖ `service httpd start`
 - ❖ `sudo yum install -y amazon-efs-utils`
 - ❖ `sudo mount -t efs fs-0dfc70ed:/ /var/www/html`
 8. Follow above steps for each instance

Testing

Create an index.html file inside /var/www/html folder and then check if it is available in other instances as well. If yes then the file was successfully mounted.