

Lab 12 -Elastic File System

1. Select **EFS** service from AWS services.
2. **Create File System.**
 - a. VPC: Default
 - b. Availability Zone :Select **us-east-2a** only

Create file system

Step 1: Configure file system access

Step 2: Configure optional settings

Step 3: Review and create


Configure file system access

An Amazon EFS file system is accessed by EC2 instances running inside one of your VPCs. Instances connect to a file system by using a network interface called a mount target. Each mount target has an IP address, which we assign automatically or you can specify.

VPC ⓘ

Create mount targets

Instances connect to a file system by using mount targets you create. We recommend creating a mount target in each of your VPC's Availability Zones so that EC2 instances across your VPC can access the file system.

	Availability Zone	Subnet	IP address	Security groups
<input checked="" type="checkbox"/>	us-east-2a	<input data-bbox="641 903 803 924" type="text" value="subnet-159d937d (default)"/>	Automatic 	<input data-bbox="1055 903 1388 934" type="text" value="sg-8739eae7 - default x"/>
<input type="checkbox"/>	us-east-2b			
<input type="checkbox"/>	us-east-2c			

Cancel

3. **Next Step.**
4. Tag
 - a. Key: Name
 - b. Value : NewEFS
5. **Next Step.**
6. **Create File System.**
7. Wait for some time for **Mount target state** become **Available**.
8. Copy ip address of EFS mount point.
9. Connect to ec2 instance and run following command for mounting

```
#sudo mkdir /efs
#sudo mount 172.31.35.201://efs
note: Change 172.31.35.201 with your ip address
#df -h
for print mounting.
```

Removing EFS

1. Run following command for unmount efs file system on EC2 instance.
 - a. #umount/efs
2. Delete file system from EFS dashboard of AWS console.
3. Select **NewEFS** --> **Actions** --> **Delete File System**.
4. Paste File system id from description
5. **Delete File system**.

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