

Add Volume to existing EC2 instance

Volumes # Note AZ of current EC2 volume

Create Volume in same AZ as EC2

Volume > Actions > Attach Volume # Note Device Name /dev/sdf

```
>sudo -s
```

```
>mkdir /files
```

```
>lsblk
```

```
>fsck -l
```

```
>mkfs.ext4 /dev/xvdf
```

```
>mount /dev/xvdf /files
```

```
lsblk -f # Show UUID's
```

```
/etc/fstab
```

```
UUID="40e16bef-80f1-4bdb-9821-885ce6c06760" /files ext4 defaults,nofail 0 2
```

Convert volume to EFS and share

EFS > Create File System

Network > Manage > Security Groups

EC2 > Security Groups > Edit Inbound

Add Rule > NFS - Anywhere

```
>sudo -s
```

```
>mkdir /efs
```

```
>blk
```

Amazon EFS > File systems > fs-045fb1e523f14fb2e > Attach

```
> mount -t nfs4 -o nfsvers=4.1,rsz=1048576,wsz=1048576,hard,timeo=600,retrans=2,noresvport  
fs-045fb1e523f14fb2e.efs.us-east-1.amazonaws.com:/ /efs
```

```
rsync -avz /data/* /efs
```

```
>vi /etc/fstab
```

```
EFS > ATTACH
```

```
10.0.0.223:/ /data ntfs4
```

```
nfsvers=4.1,rsz=1048576,wsz=1048576,hard,timeo=600,retrans=2,noresvport 0 0
```

```
umount /data
```

```
umount /efs
```

```
mount -a
```

df -h

volumes > select volume > actions > detach
volumes > select volume > delete

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Resize Volume

EC2 > Volumes > Modify

fdisk -l

Disk /dev/xvda: 16 GiB, 17179869184 bytes, 33554432 sectors
Units: sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
I/O size (minimum/optimal): 512 bytes / 512 bytes
Disklabel type: gpt
Disk identifier: 3686890E-384D-47FF-8376-B554064EE59B

Device	Start	End	Sectors	Size	Type
/dev/xvda1	227328	16777182	16549855	7.9G	Linux filesystem
/dev/xvda14	2048	10239	8192	4M	BIOS boot
/dev/xvda15	10240	227327	217088	106M	EFI System

growpart /dev/xvda 1