

# Elastic Block Store

## LAB - EBS Volume

### Use case scenario:

There is a linux server running in client's AWS account. This linux server is running out of storage. You have been assigned to create an additional elastic block storage (10GB) and attached to this server. In addition to this task, you have been asked to also mount this new volume.

1. Create a new EC2 Linux instance - Note Block device name in the storage tab of EC2 instance
2. Create new EBS volume with size of 10gb in same AZ as the above Linux Server
3. Attach new EBS volume as additional volume to Linux Server with the default device name **sdf**
4. Connect to the linux Server and configure mount process

### Follow below steps to mount your additional EBS volume

1. **Sudo su** – (change to root user)
2. **df -h** (Check and notice your volumed is not mounted yet)
3. **lsblk** (Lists all block devices - check and see your attached volume)
4. **mkfs -t ext3 /dev/sdf** (Create a file system)
5. **mkdir -p /mnt/data-store** (Create a mount point)
6. **mount /dev/sdf /mnt/data-store** (Mount your file system to your mount point)
7. **df -h** (Check and notice your volume is now mount)
8. **echo "/dev/sdf /mnt/data-store ext3 defaults,noatime 1 2" | sudo tee -a /etc/fstab** (Add a field in fstab to make this change permanent)
9. **echo "test file" /mnt/data-store/test.txt** (Create a test file in your mounted ebs volume)