

Attach a extra disk to a Linux VM

step 1

- create an extra disk in azure-portal
 - select the vm
 - click on disk
 - select create and attach a new disk
 - give disk name , give storage type as “Standard HDD LRS” , select the required size & save

step 2

- enter into that vm
 - execute lsblk or df -h command to view the attached disk's in the device

step 3

- to create a partition
 - execute `sudo fdisk /dev/sdc [diskname]`
 - type n (to add new partition)
 - select primary partition & size
 - type w to save
 - type partprobe
 - type q to exit
- to create a dir
 - `mkdir /data/3` (dir name)
- to create file-system
 - `mkfs.ext4 /dev/sdc1`
- to mount the file system
 - `mount /dev/sdc1 /data/3`
- to mount permanantly
 - execute blkid command to get UUID
 - create an fstab entry
 - `vi /etc/fstab` & add an entry
 - `UUID=5cd711d1-2094-4077-ba3d-2c1cf3b6c609 /data/3 ext4 defaults 0 0`
 - save the file
 - execute `mount -a` (to mount all)
- restart the vm & check after restart the disk is successfully attached or not