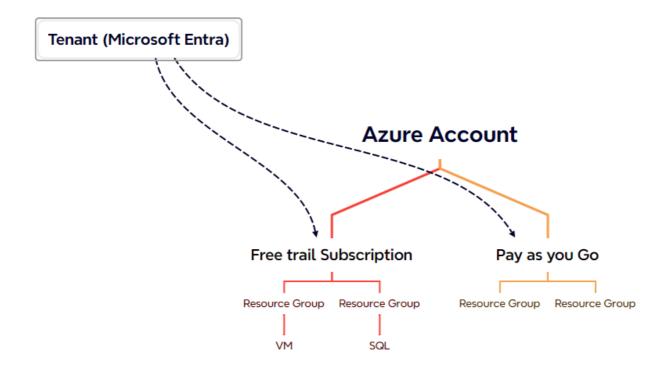
Azure VM Creation (W.r.t disks)

Organizing Azure Resources

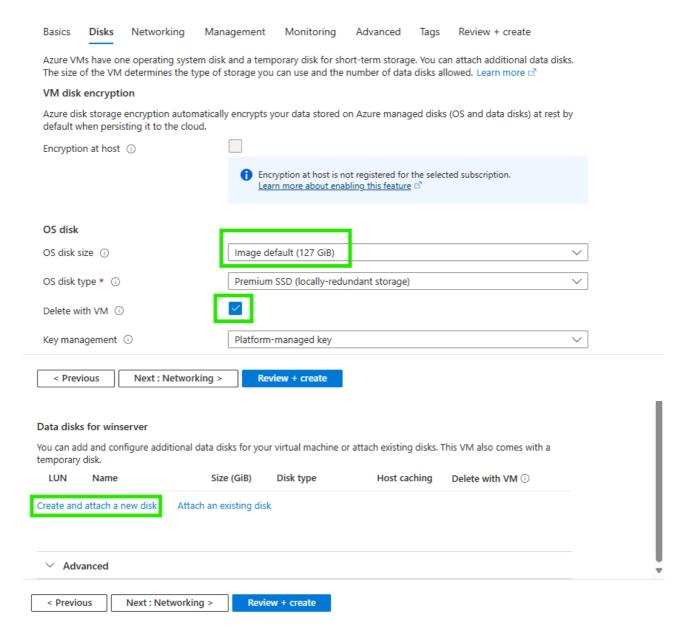


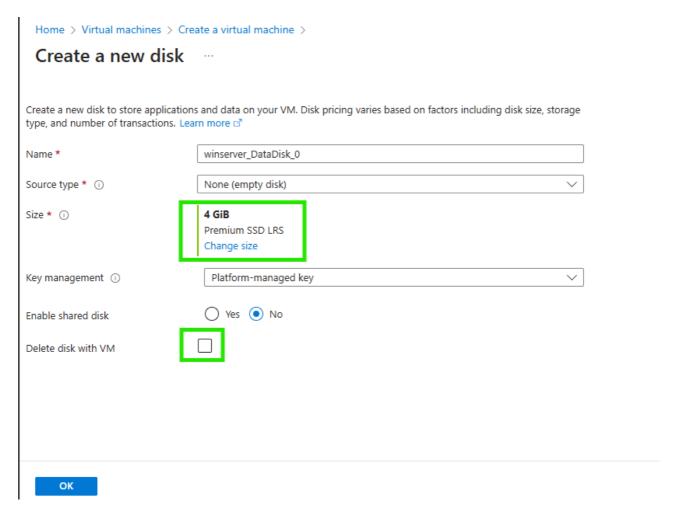
Windows Servers

• Refer Here for Quick start

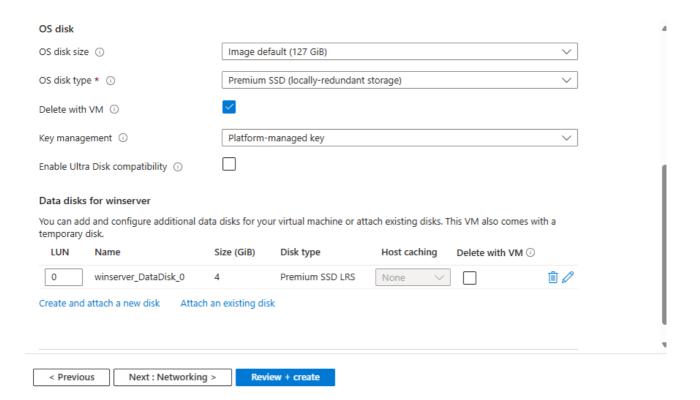
Disk section

Home > Virtual machines >

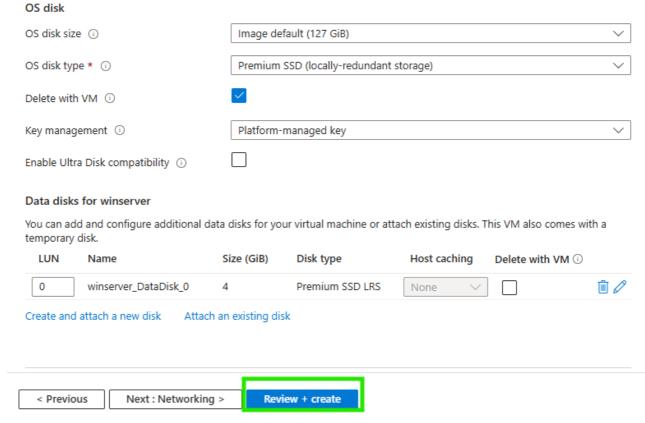




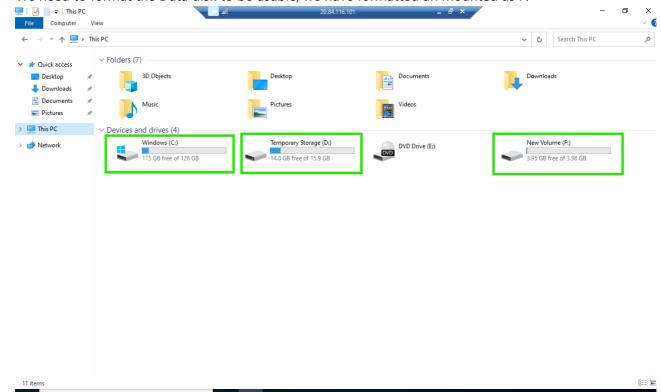
Home > Virtual machines >

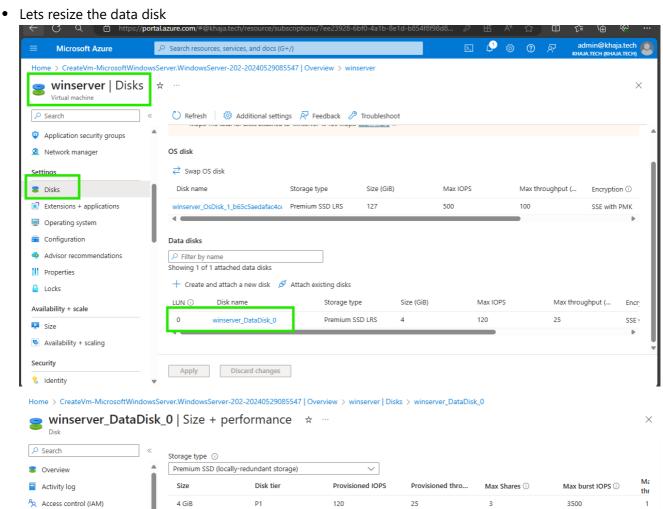


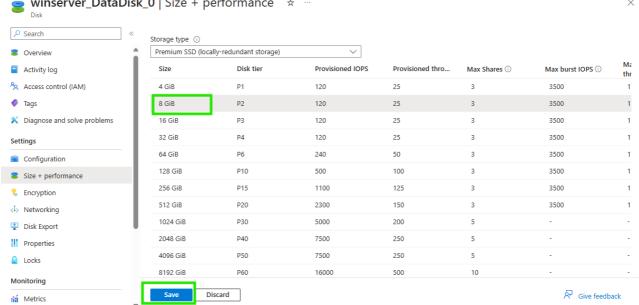
Home > Virtual machines >

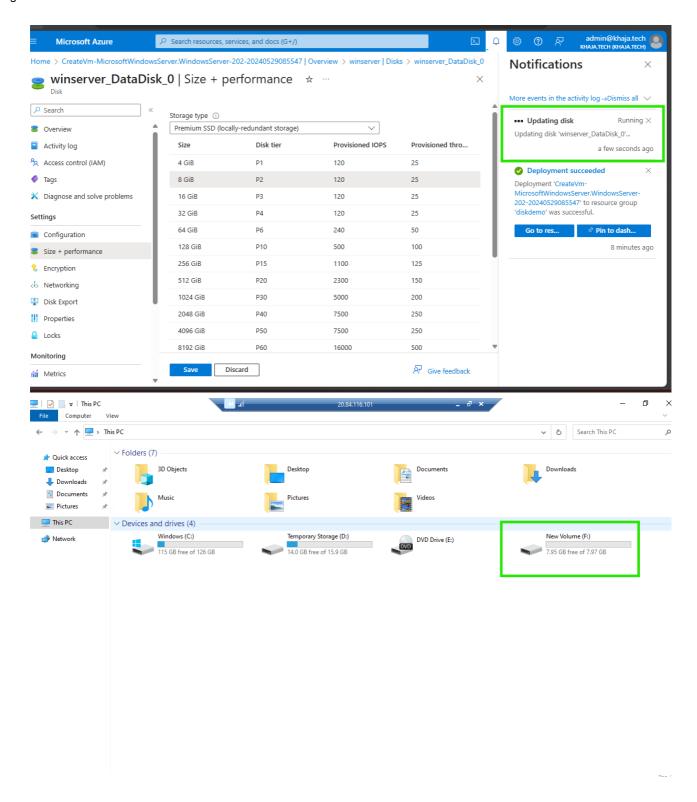


- We have create windows server with
 - o s disk 127 GB
 - o data disk 4 GB
 - Local/Temp Disk (16 GB)
- We need to format the Data disk to be usable, we have formatted an mounted as F:

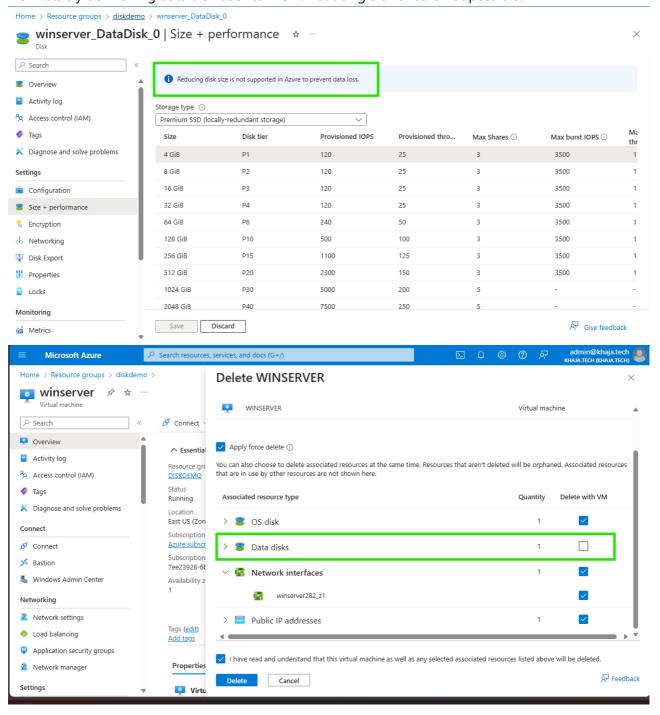






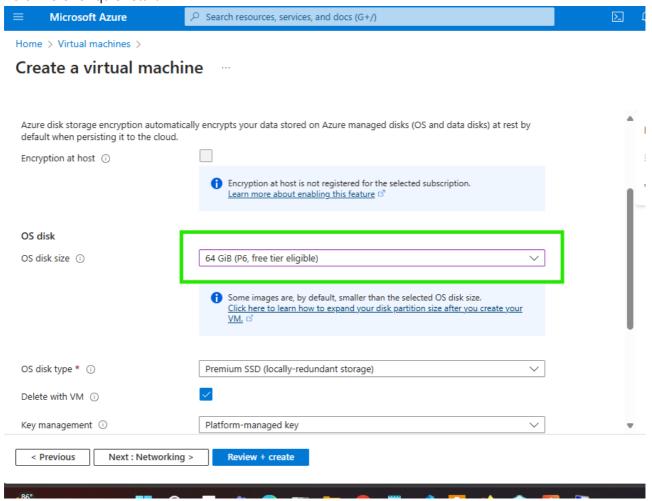


Now lets try downsizing data disk back to 4 GiB. Reducing disk sizes is not possible.



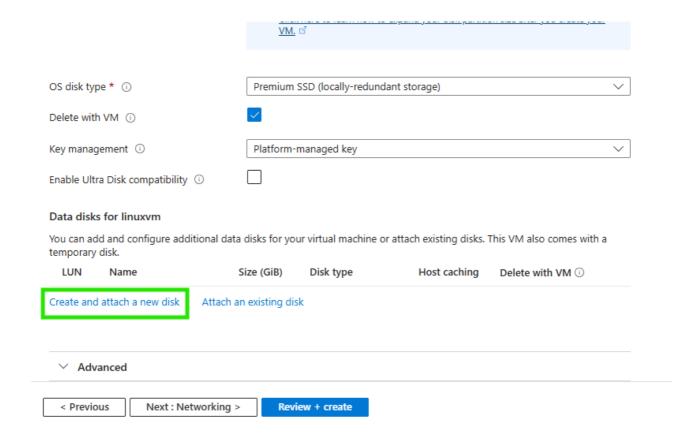
Linux Servers

• Refer Here for quick start



Attach data disk

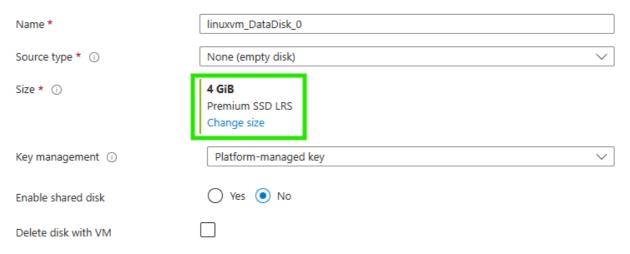
Home > Virtual machines >



Home > Virtual machines > Create a virtual machine >

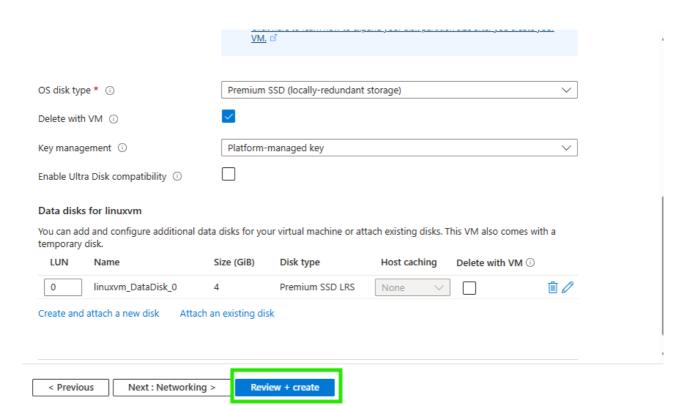
Create a new disk

Create a new disk to store applications and data on your VM. Disk pricing varies based on factors including disk size, storage type, and number of transactions. Learn more





Home > Virtual machines >



• Attaching data disks to linux article Refer Here

```
Dell@linuxvm:~$ sudo lsblk
NAME
          MAJ:MIN RM
                         SIZE RO TYPE MOUNTPOINTS
                                1 loop /snap/core20/2264
loop0
            7:0
                     0
                       63.9M
                                1 loop /snap/lxd/28373
loop1
            7:1
                     0
                          87M
                                1 loop /snap/snapd/21465
loop2
            7:2
                     0
                       38.7M
            8:0
                       64G
                                0 disk
sda
            8:1
                     0 63.9G
  -sda1
                                0 part
   sda14
            8:14
                           4M
                                0 part
                     0
  ∙sda15
            8:15
                     0
                         106M
                                0 part /boot/efi
sdb
            8:16
                                0 disk
                     0
                           ЦG
  ·sdb1
            8:17
                     0
                           4G
                                0 part /mnt
            8:32
                     0
                           4G
                                0 disk
sdc
           11:0
sr0
                         628K
                                0 rom
Dell@linuxvm:~$
Windows PowerShell
                   Dell@linuxvm: ~
Dell@linuxvm:~$ sudo mkfs -t ext4 /dev/sdc
mke2fs 1.46.5 (30-Dec-2021)
Discarding device blocks: done
Creating filesystem with 1048576 4k blocks and 262144 inodes
Filesystem UUID: aa366c92-24f9-4075-ae7b-356585e71e2a
Superblock backups stored on blocks:
       32768, 98304, 163840, 229376, 294912, 819200, 884736
Allocating group tables: done
Writing inode tables: done
Creating journal (16384 blocks): done
Writing superblocks and filesystem accounting information: done
Dell@linuxvm:~$ sudo mkdir /projects
Dell@linuxvm:~$ sudo mount /dev/sdc /projects/
Dell@linuxvm:~$ df -h
                     Used Avail Use% Mounted on
Filesystem
               Size
/dev/root
                62G
                           61G
                                  3% /
                     1.6G
                                 0% /dev/shm
tmpfs
               417M
                           417M
                        0
tmpfs
               167M
                     964K
                           166M
                                 1% /run
                          5.0M
                                 0% /run/lock
tmpfs
               5.0M
                       0
                                30% /sys/firmware/efi/efivars
efivarfs
               128K
                      37K
                           87K
                                 6% /boot/efi
/dev/sda15
                           99M
               105M
                     6.1M
/dev/sdb1
               3.9G
                      28K
                          3.7G
                                 1% /mnt
                                 1% /run/user/1000
tmpfs
                84M
                     4.0K
                          84M
/dev/sdc
                      24K
                          3.7G
                                 1% /projects
               3.9G
Dell@linuxvm:~$
```

Add the entries into /etc/fstab after fetching uuid from sudo blkid

```
UUID=aa366c92-24f9-4075-ae7b-356585e71e2a /projects ext4 defaults 0 0
```

Exercise

- Perform below steps in both azure and aws
 - o Create a linux instance (ec2) with ubuntu 22.04 instance
 - Add an ebs volume of size 1 GB to the linux instance
 - o format the disk and mount to /tools folder
 - o add entries in fstab and now restart the instance.
 - After restart also you should see the mount in df -h