Implement VDO with LVM, and prove the concept by create a large file in the LVM with VDO, and watch the size, copy the same file in the same location with different name and watch the difference



 1-Add new disk

$ cat /proc/partitions

2-Create normal LV

$ sudo pvcreate /dev/sdd

$ sudo vgcreate datavg /dev/sdd

$ sudo pvdisplay /dev/sdd

Text

Description automatically generated

$ sudo lvcreate -L 1000m -n data datavg

lvcreate --type vdo -n data -L 1G -V 10G datavg

lvcreate --vdo -L 1G datavg

lvchange --deduplication y datavg

$ sudo mkfs.ext4 /dev/datavg/data

2-Mount the LV

$ sudo mkdir /mnt/itidata

$ sudo mount /dev/datavg/data /mnt/itidata/

$ df -h

