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| --- |
| #!/bin/bash |
|  |  |
|  | #Using Loop devices, create 4 PVs |
|  | dd if=/dev/zero of=/tmp/disk1.img bs=1024 count=100000 |
|  | dd if=/dev/zero of=/tmp/disk2.img bs=1024 count=100000 |
|  | dd if=/dev/zero of=/tmp/disk3.img bs=1024 count=100000 |
|  | dd if=/dev/zero of=/tmp/disk4.img bs=1024 count=100000 |
|  |  |
|  | losetup /dev/loop1 /tmp/disk1.img |
|  | losetup /dev/loop2 /tmp/disk2.img |
|  | losetup /dev/loop3 /tmp/disk3.img |
|  | losetup /dev/loop4 /tmp/disk4.img |
|  |  |
|  | pvcreate /dev/loop1 |
|  | pvcreate /dev/loop2 |
|  | pvcreate /dev/loop3 |
|  | pvcreate /dev/loop4 |
|  |  |
|  | #create VG and add 3 on PVs to it |
|  | vgcreate VG0 /dev/loop1 /dev/loop2 /dev/loop3 |
|  |  |
|  | #create LV which has size of 250M |
|  | lvcreate -L 250M VG0 |
|  |  |
|  | #format LV using ext4 |
|  | mkfs.ext4 /dev/VG0/lvol0 |
|  |  |
|  | #mount LV into /mnt directory |
|  | mount /dev/VG0/lvol0 /mnt |
|  |  |
|  | #extend VG with the remaining PV |
|  | vgextend VG0 /dev/loop4 |
|  |  |
|  | #extend LV with +50M |
|  | lvextend /dev/VG0/lvol0 -L +50M |
|  |  |
|  | #resize2fs LV with the 50M extra |
|  | resize2fs /dev/VG0/lvol0 +50M |
|  |  |
|  |  |
|  | #Display the network interface information using ip command |
|  | ip a |
|  |  |
|  | #Display currently active TCP connections on your OS using netstatcommand |
|  | netstat -a |
|  |  |
|  | #Display currently open ports on your system using nmap command (install it using apt) |
|  | nmap 192.168.1.50 |