Tugas Minggu 4 IF421

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1. Buatlah tiga buah hard disk virtual pada mesin virtual anda yang masing-masing berukuran 1 GB. Tambahkan virtual hard disk tersebut pada virtual machine anda. Periksa apakah hard disk tersebut sudah terpasang atau belum menggunakan perintah fdisk -l

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```
cristovrm@cristov:~% sudo fdisk -1
[sudo] passuord for cristovrm:
Disk /dev/sda: 40 618, 42949672960 bytes, 83886080 sectors
Disk model: VBDN HARDDISK
Units: sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
Disk label type: gpt
Disk identifier: F0E583F0-95E8-425D-8FF7-404571FF16EF

Device Start End Sectors Size Type
Cdev/sda1 2048 4095 2048 1M BIDS boot
/dev/sda1 2048 4095 2048 1M BIDS boot
/dev/sda2 4096 4198399 4194304 2G Linux filesystem
/dev/sda3 4198400 83884031 79685632 308 Linux filesystem
/dev/sda3 4198400 83884031 79685632 308 Linux filesystem

Disk /dev/sdb: 1 618, 1073741824 bytes, 2097152 sectors
Disk model: VBDN HARDDISK
Units: sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes

Disk /dev/sdc: 1 818, 1073741824 bytes, 2097152 sectors
Disk model: VBDN HARDDISK
Units: sectors of 1 * 512 = 512 bytes

Disk /dev/sdc: 1 818, 1073741824 bytes, 2097152 sectors
Disk model: VBDN HARDDISK
Units: sectors of 1 * 512 = 512 bytes

Disk /dev/sdc: 1 618, 1073741824 bytes, 2097152 sectors
Disk model: VBDN HARDDISK
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Disk /dev/sdc: 1 618, 1073741824 bytes, 2097152 sectors
Disk model: VBDN HARDDISK
Units: sectors of 1 * 512 = 512 bytes

Disk /dev/sdc: 1 618, 1073741824 bytes, 2097152 sectors
Disk model: VBDN HARDDISK
Units: sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes

Disk /dev/mapper/ubuntu--vg-ubuntu--lv: 19 618, 20396900352 bytes, 39837696 sectors
Units: sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes

Disk /dev/mapper/ubuntu--vg-ubuntu--lv: 19 618, 20396900352 bytes, 39837696 sectors
Units: sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes

I/O size (minimum/optimal): 512 bytes / 512 bytes

Disk /dev/mapper/ubuntu--vg-ubuntu--lv: 19 618, 20396900352 bytes, 39837696 sectors
Units: sectors of 1 * 512 = 512 bytes

Cristovnm@cristor:**

Disk /dev/ma
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2. Membuat partisi dengan tipe fd pada setiap harddisk (fd partition type). Tipe fd berguna untuk mengatur partisi hard disk sebagai Linux RAID autodetect. Gunakan perintah fdisk

untuk masing-masing hardisk : Contoh : fdisk /dev/sdb Ikuti petunjuk yang ada di layar, ulangi juga untuk /dev/sdc dan /dev/sdd

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3.Membuat raid 5 dengan menggunakan command mdadm. Jika belum tersedia, install dulu aplikasi mdadm pada server anda

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cristovrm@cristov:~$ sudo mdadm --create --verbose /dev/md0 --level=5 --raid-devices=3 /dev/sdb1 /dev/sdc1 /dev/sdd1 mdadm: layout defaults to left-symmetric mdadm: chunk size defaults to 512K mdadm: size set to 1045504K mdadm: Defaulting to version 1.2 metadata mdadm: array /dev/md0 started. cristovrm@cristov:~$
```

4. Periksa raid5 yang sudah anda buat dengan perintah fdisk -l