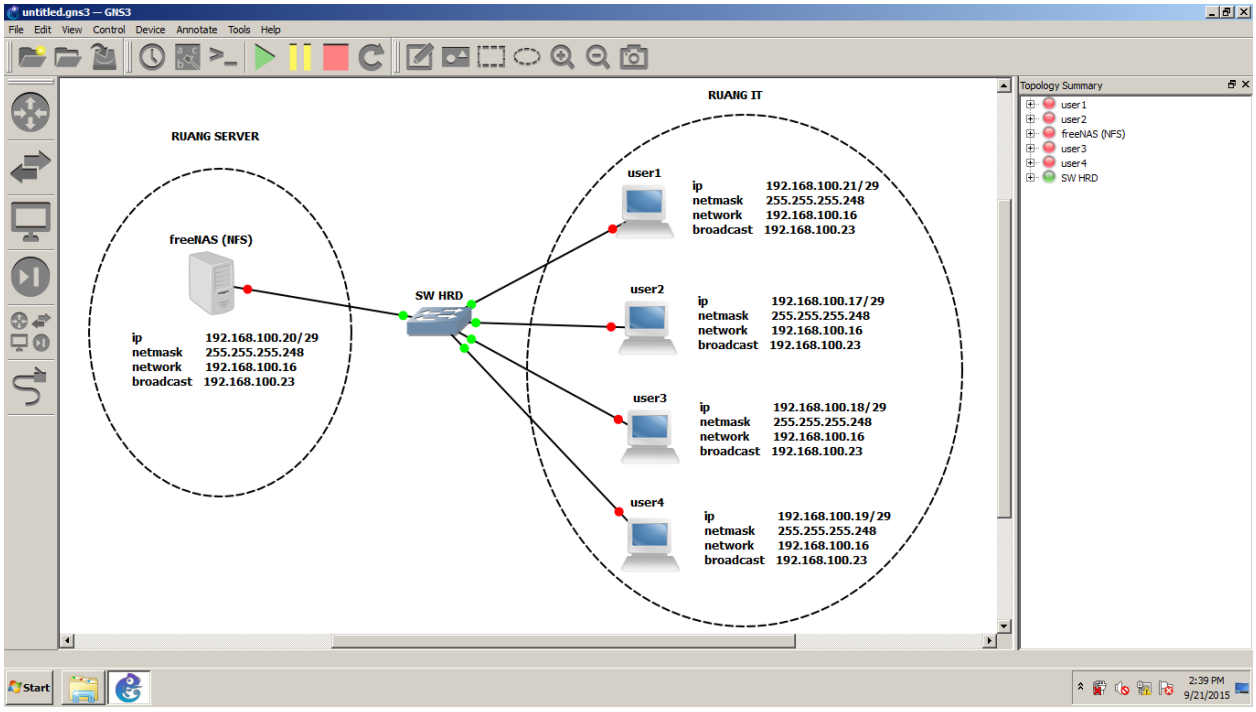
LINUX CENTRALIZED DATA STORAGE

(FreeNAS, ZFS RAID1, NFS, UBUNTU)

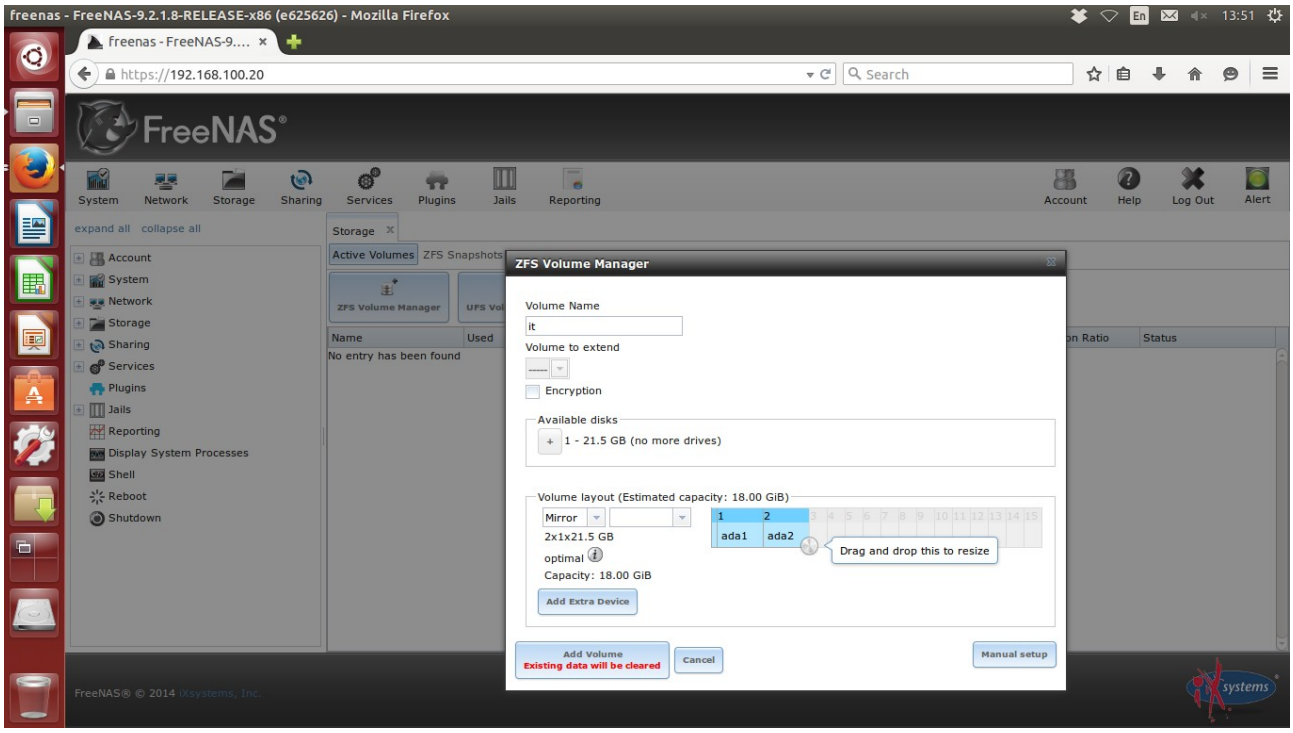
Vantage :

1. centralized data storage.
2. data shared storage.
3. management data storage.
4. minimize data loss.
5. low cost hard disk budget.

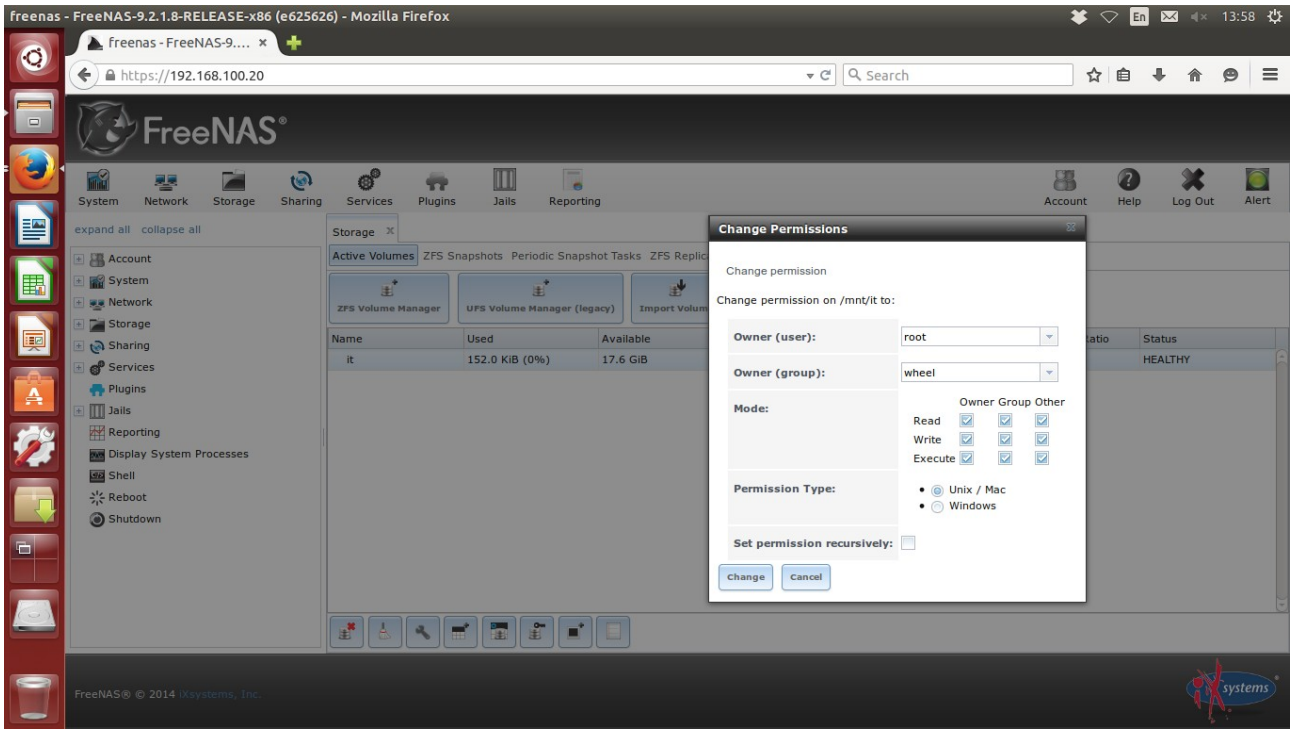
Network topology



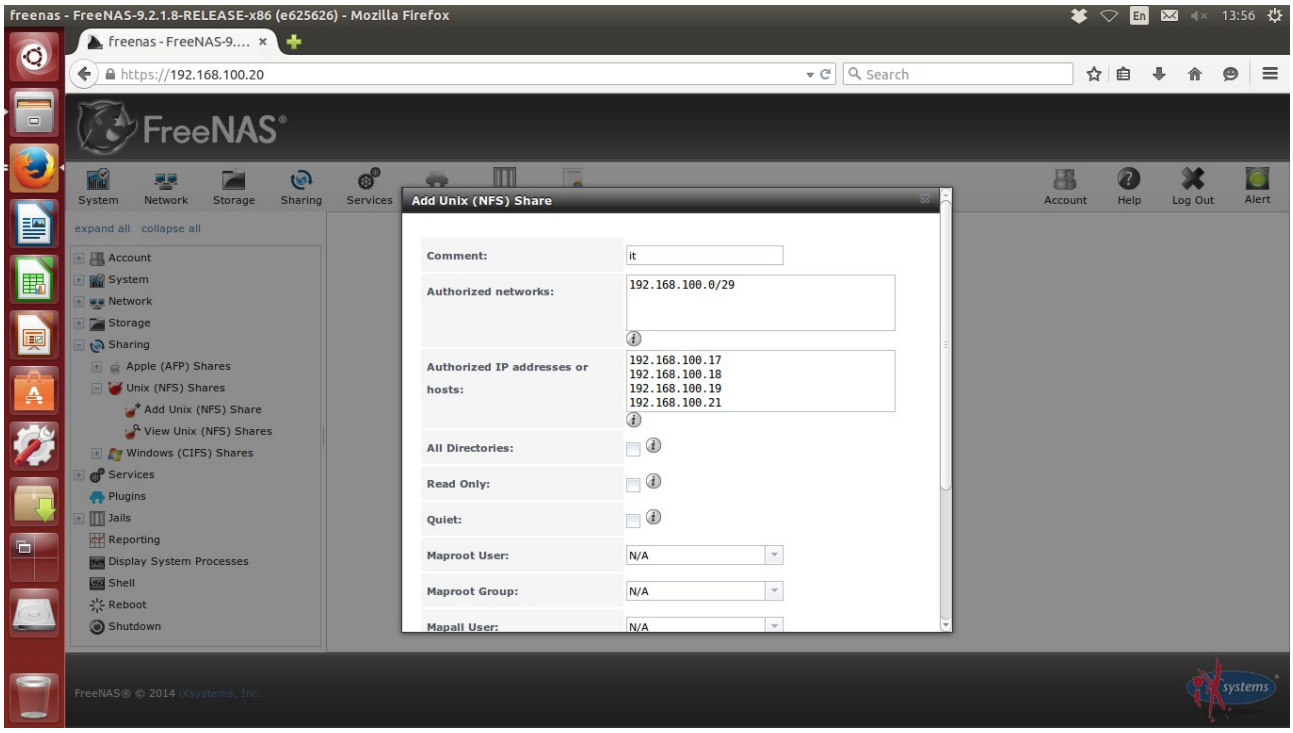
1. set storage->ZFSvolume, tambahkan 2 hdd yg identik & set raid1 mirror.



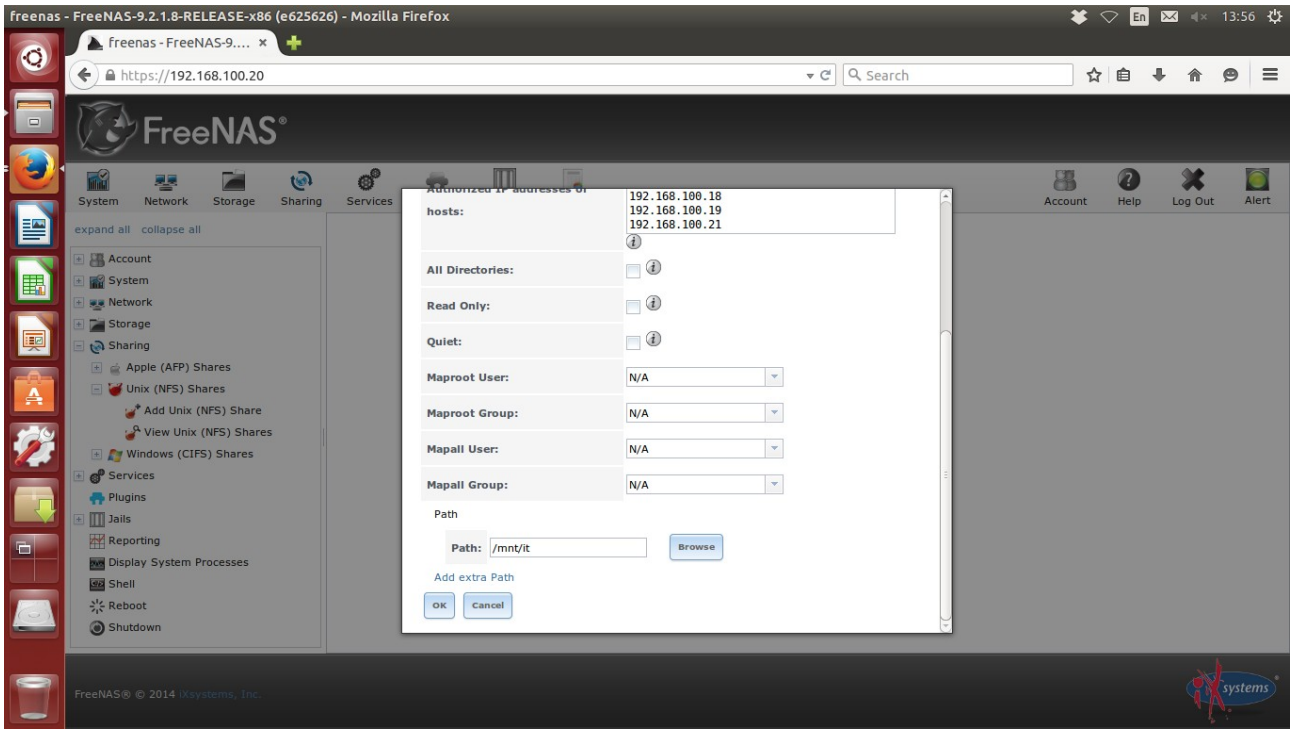
2. ubah hak akses 777.



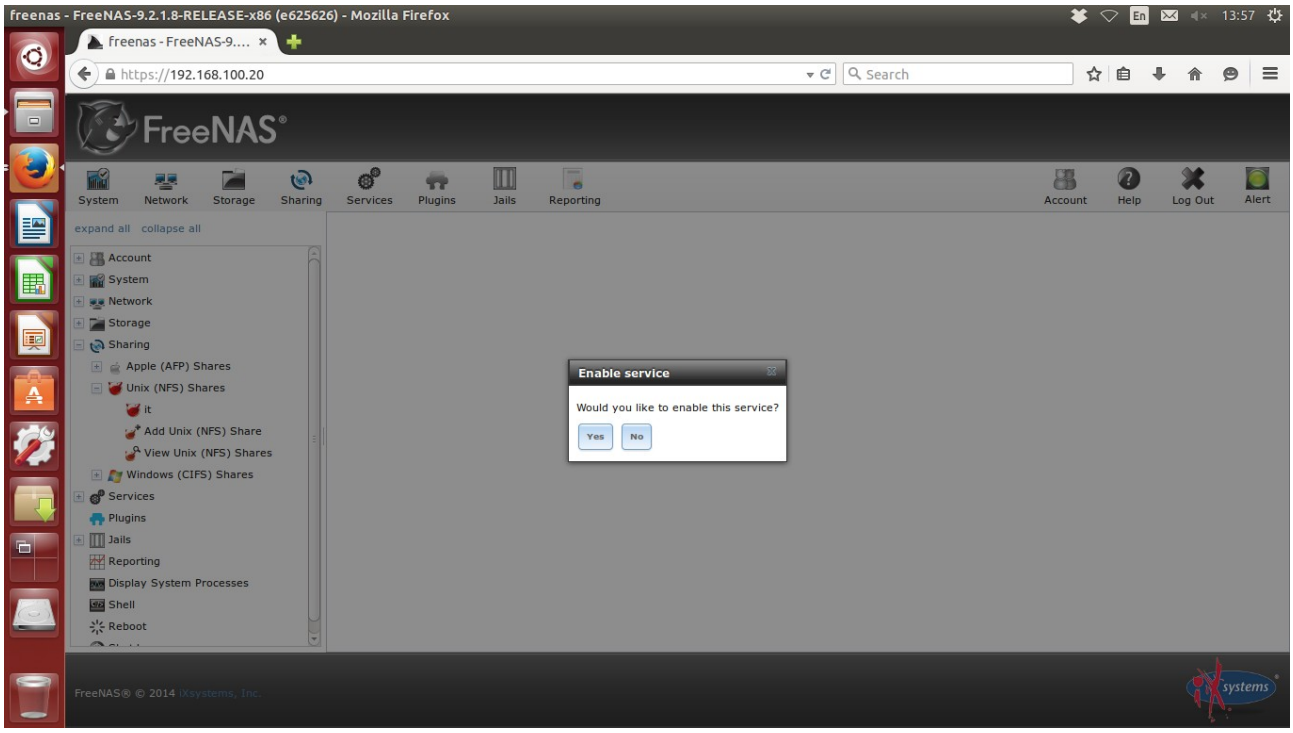
3. pada menu sharing, add unix NFS share.



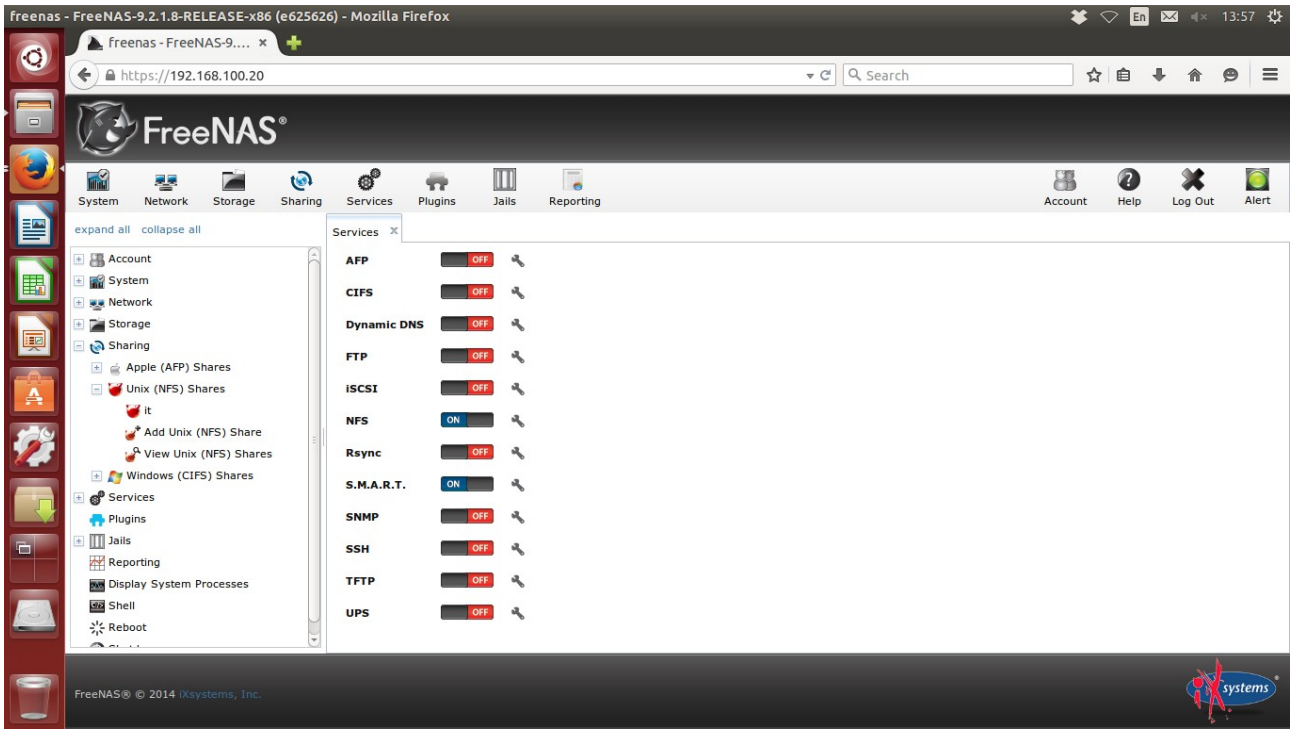
4. set path & ok.



5. set yes.



6. servis NFS telah aktif.



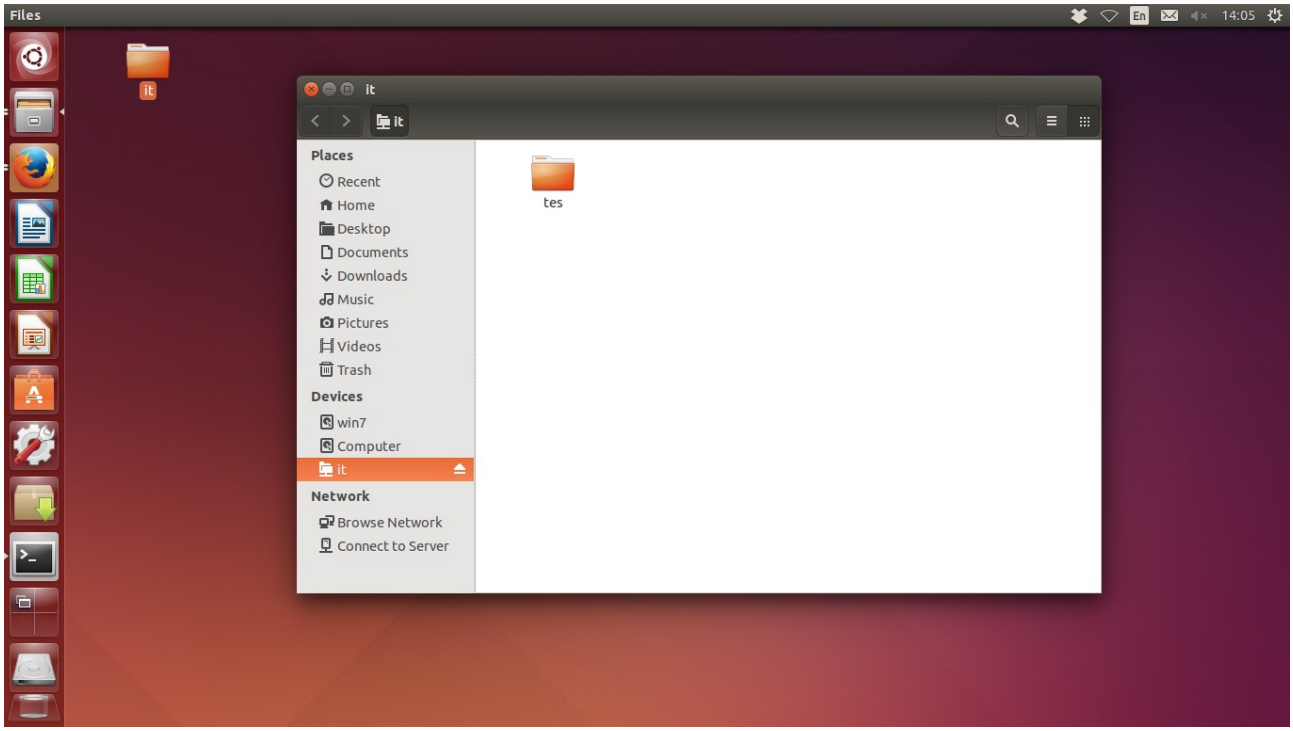
7. pada user1, install portmap & nfs-common.

```
padli@cavs: ~
padli@cavs:~$ sudo apt-get install portmap nfs-common
```

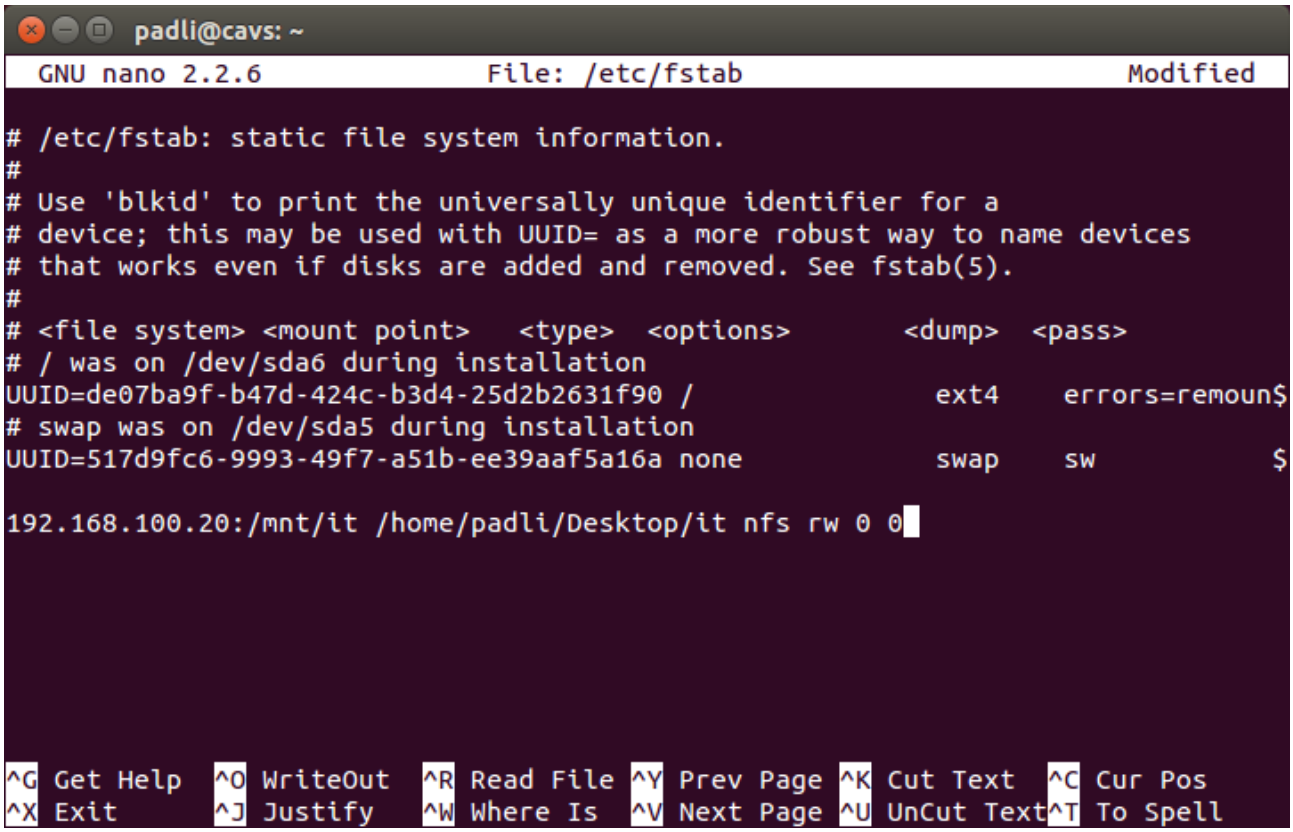
8. buat dir it dan mount NSF server.

```
padli@cavs: ~
padli@cavs:~$ mkdir -p /home/padli/Desktop/it
padli@cavs:~$ sudo mount 192.168.100.20:/mnt/it /home/padli/Desktop/it/
[sudo] password for padli:
padli@cavs:~$ df -h /home/padli/Desktop/it/
Filesystem              Size  Used Avail Use% Mounted on
192.168.100.20:/mnt/it   18G  128K   18G   1% /home/padli/Desktop/it
padli@cavs:~$
```

9. cek dir & tes buat folder (rwx tes).



10. tambahkan baris ini di "/etc/fstab" agar NFS server ter-mount saat linux booting.



11. lakukan hal yg sama (7 s.d 10) pada user2, user3, user4.

12. untuk recovery hdd ZFS volume yg rusak atau corrupt dapat dilihat pada tutorial sebelumnya.

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