Nama : Wildan Ihsan Fathony

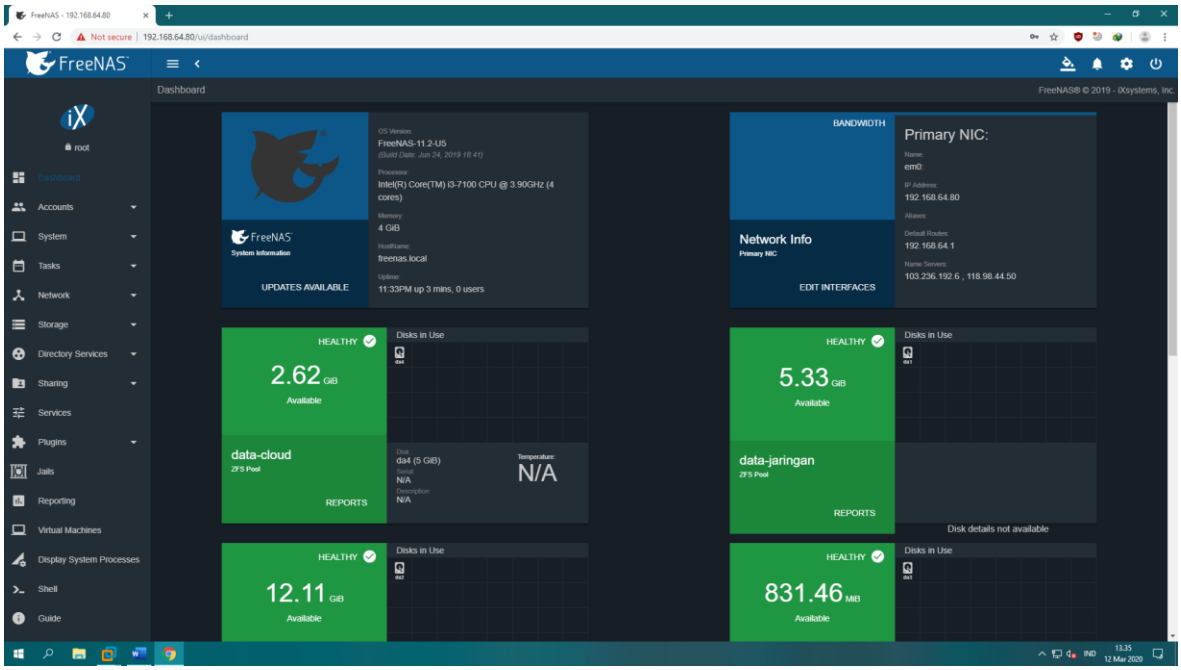
Nim : 123170080

Praktikum TCC pertemuan 6

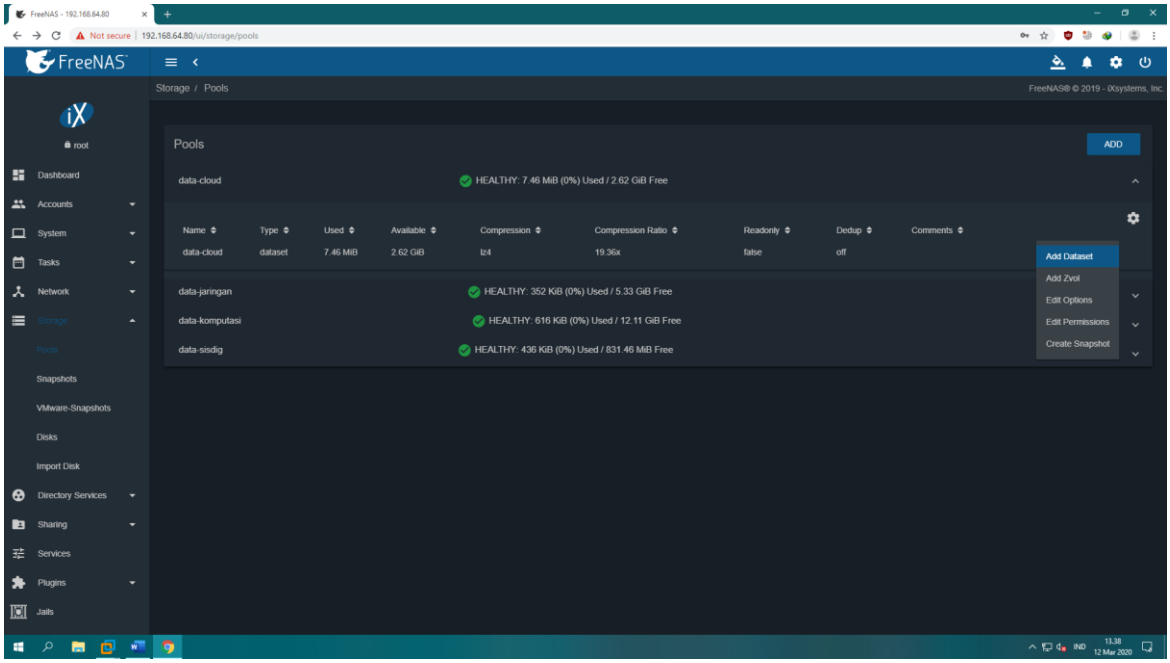
S3 bucket servis

Kontrol penyimpanan berbasis objek yang telah di gunakan oleh banyak vendor cloud computing, contoh nya amazon web service. Dapat dijadikan sebagai alternatif yang murah dan mudah di konfigurasi maupun digunakan.

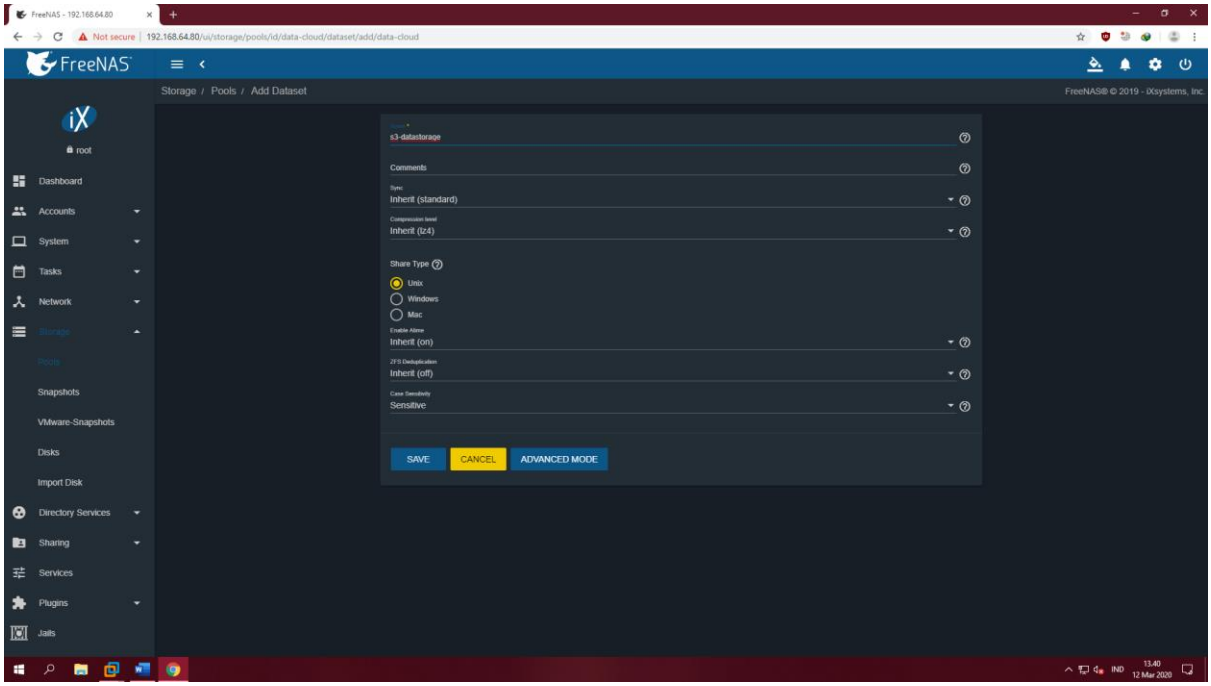
1. Login Dashboard FreeNAS



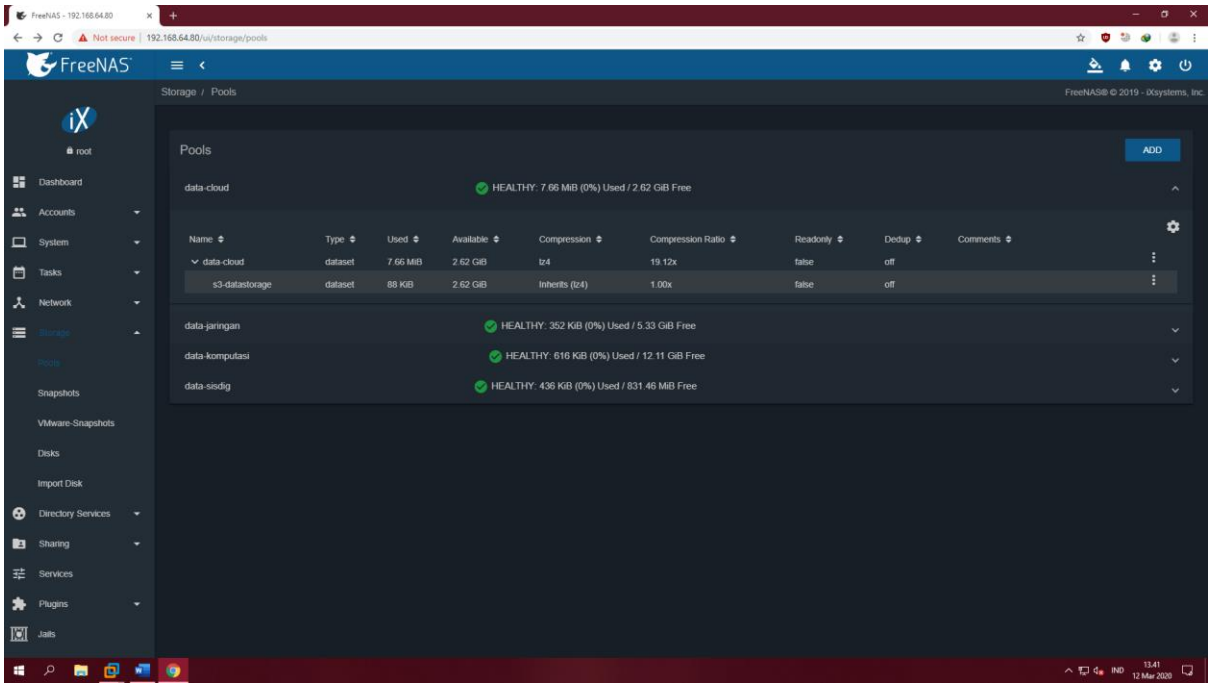
2. Masuk ke menu storage pool kemudian menu options pada data-cloud dan pilih add data set



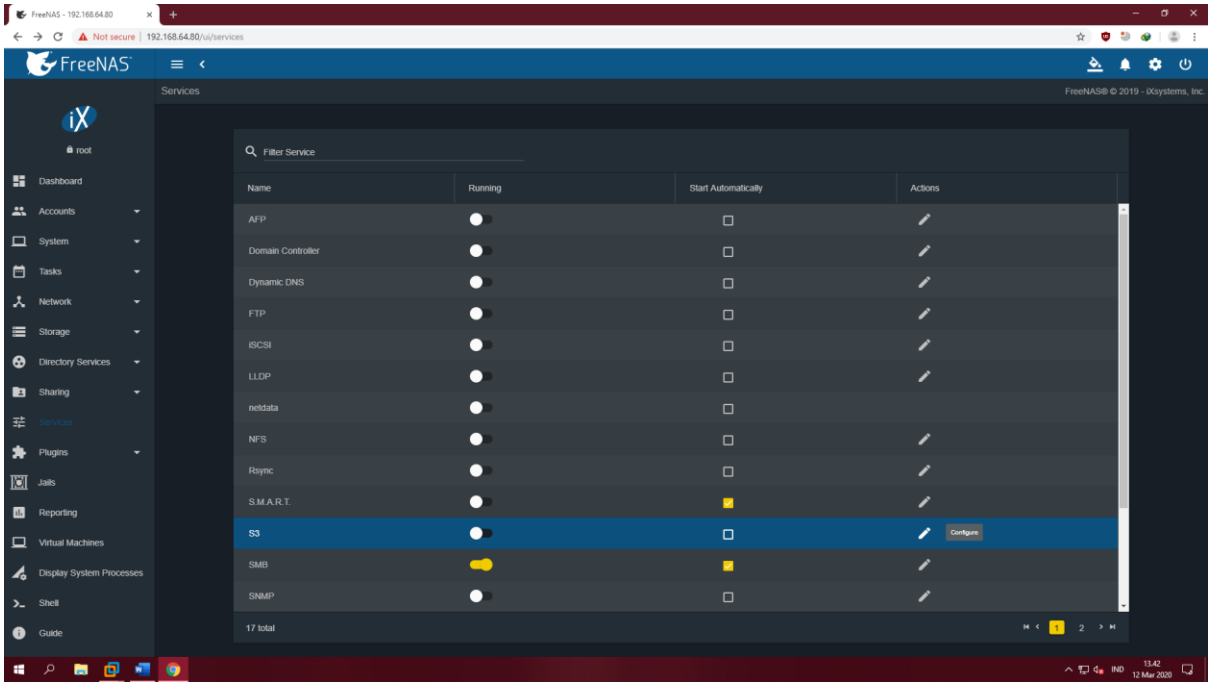
3. Buat dataset baru, gunakan nama dataset s3-datastorage kemudian save



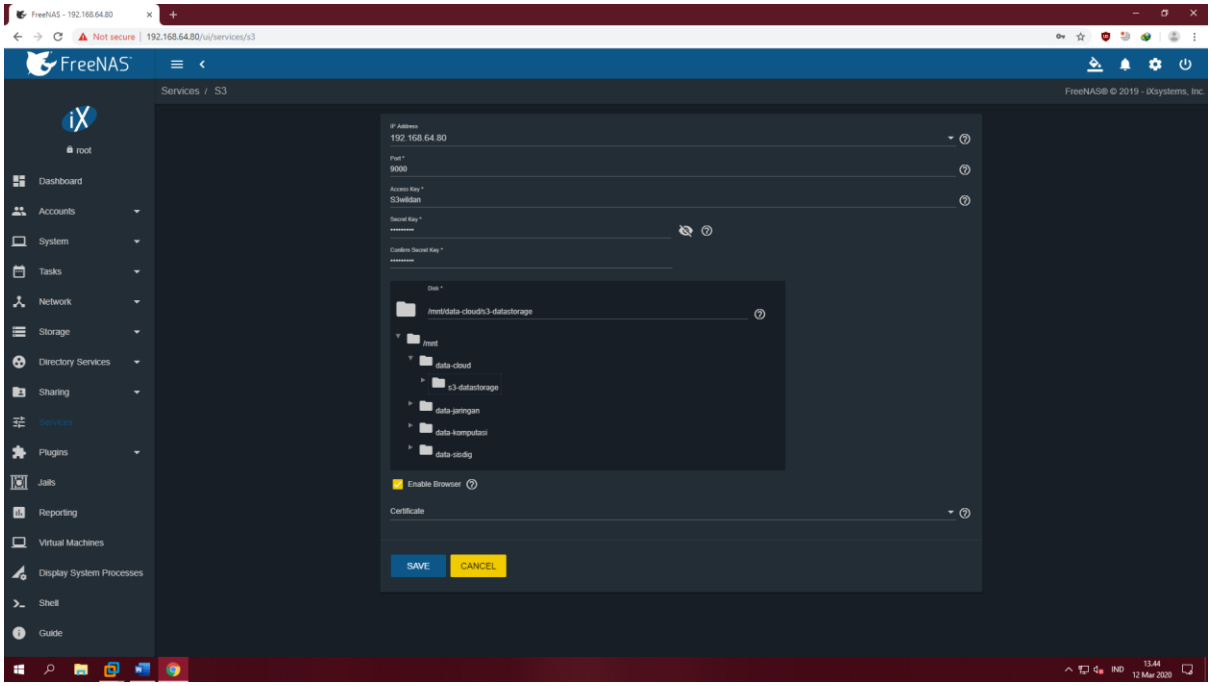
4. Hasil yang muncul setelah membuat dataset



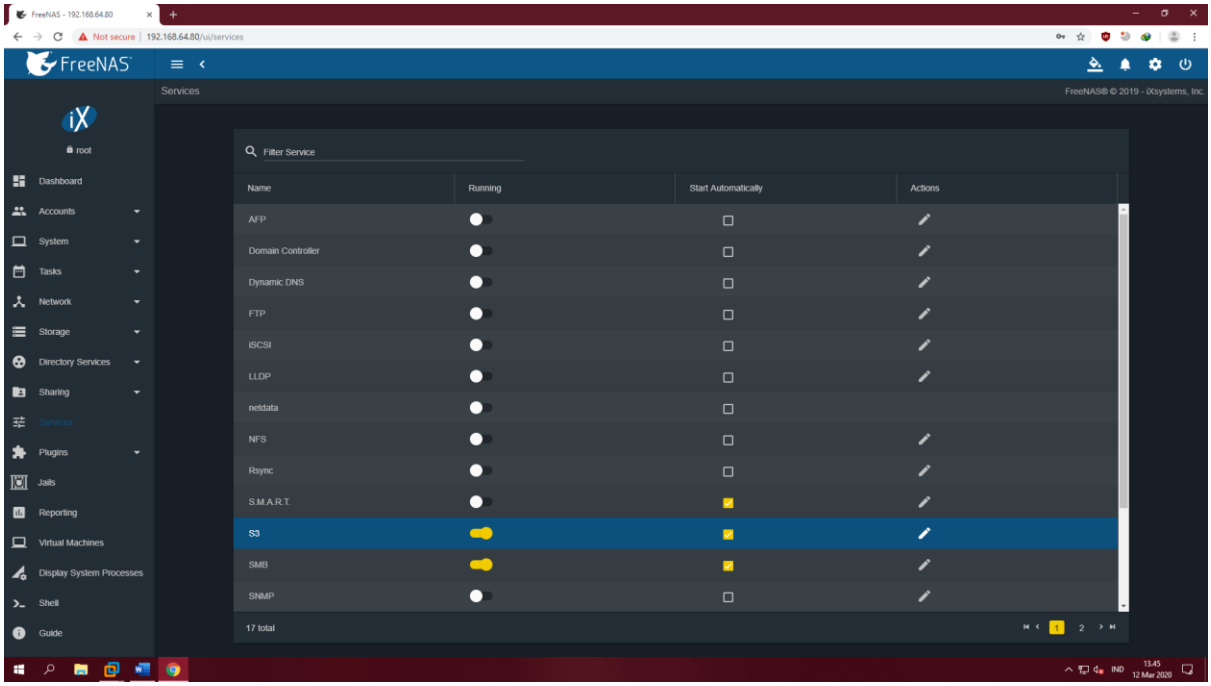
5. Masuk ke menu services, kemudian cari service dngan nama S3, klik pada gambar ikon pensil (configure)



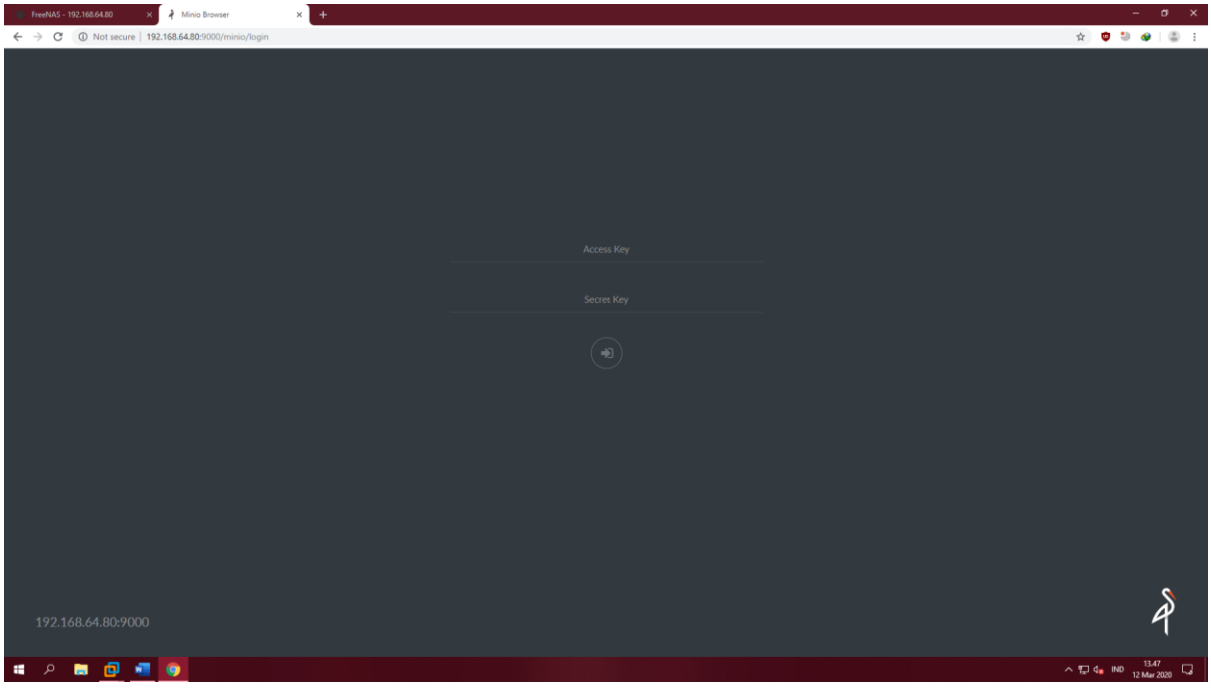
6. Konfigurasi S3 Services (isi ip sesuai pc, kemudian S3wildan kemudian password NIM)



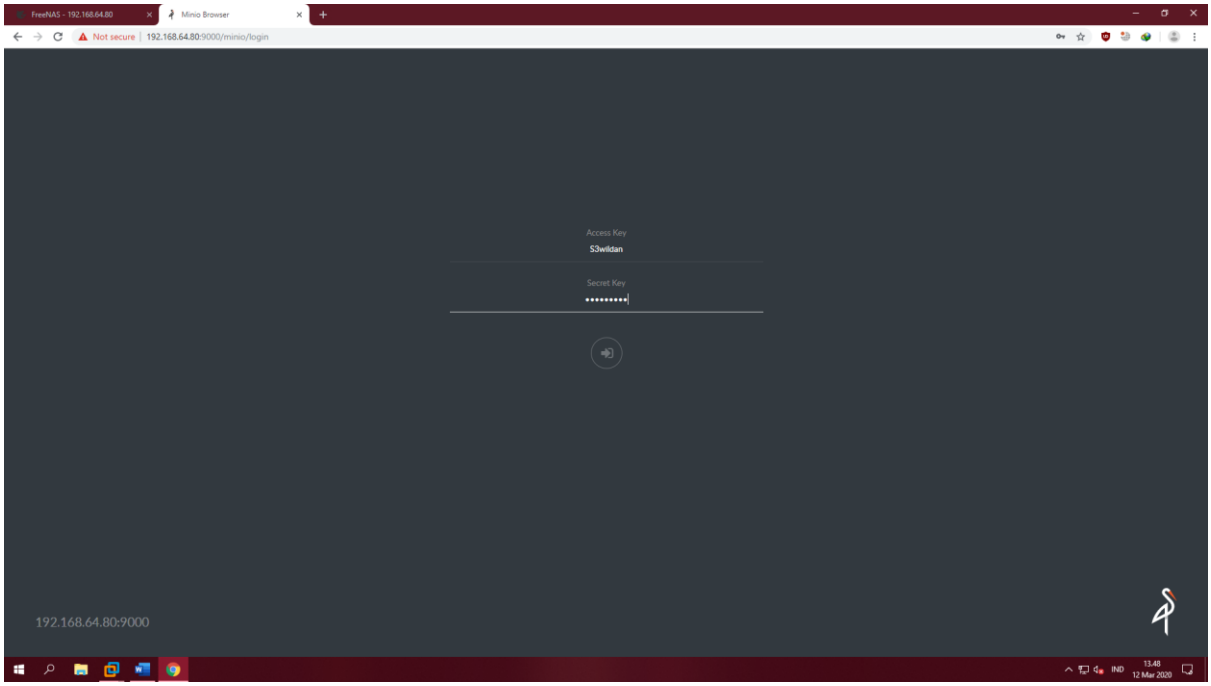
7. Aktivitas layanan S3, cari layanan S# pada menu services kemudian klik switch agar running kemudian di checklist



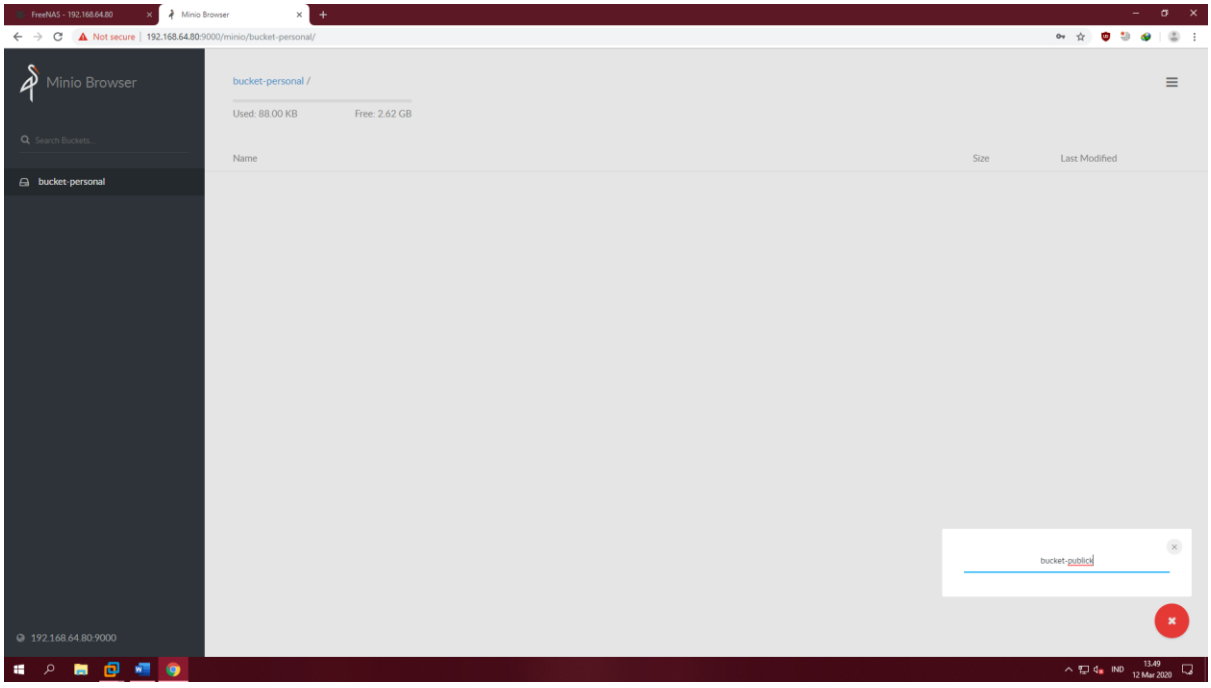
8. Akses layanan S3 dengan MinIO web based, buka browser, arahkan pada alamat http://IP.FREENAS:9000



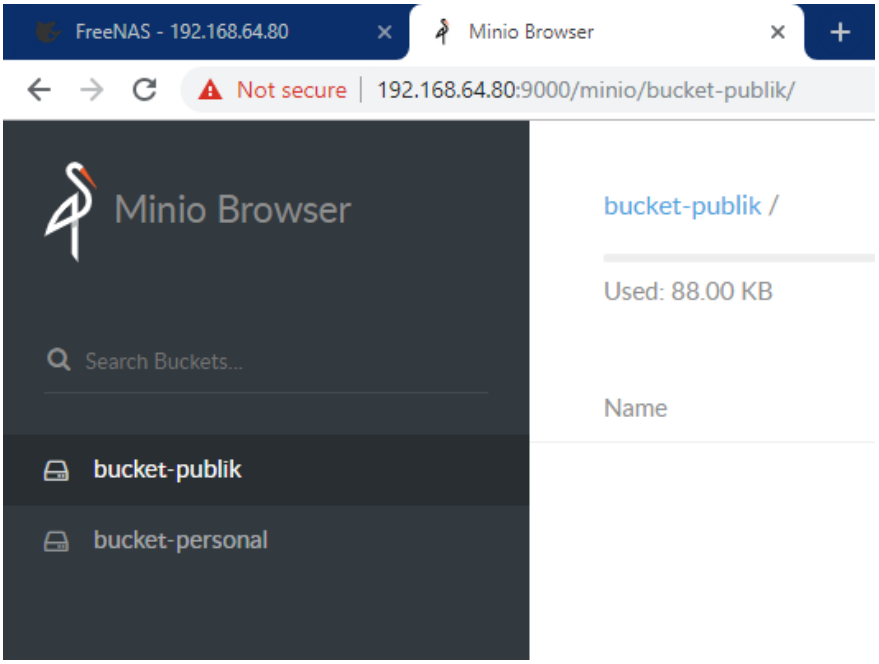
9. Login MinIO, gunakkan access key yang telah kita buat tadi S3wildan dan pass NIM



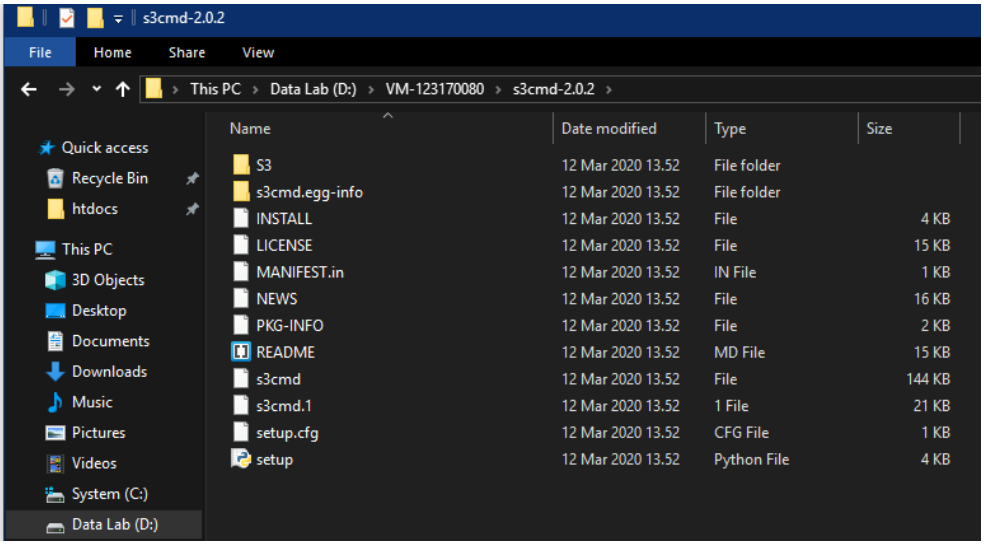
10. Tampilan dashboard MinIO, pada bagian kanan bawah klik tombol add kemudian pilih create bucket, beri nama bucket-personal,. Buat kembali dan beri nama bucket-publick



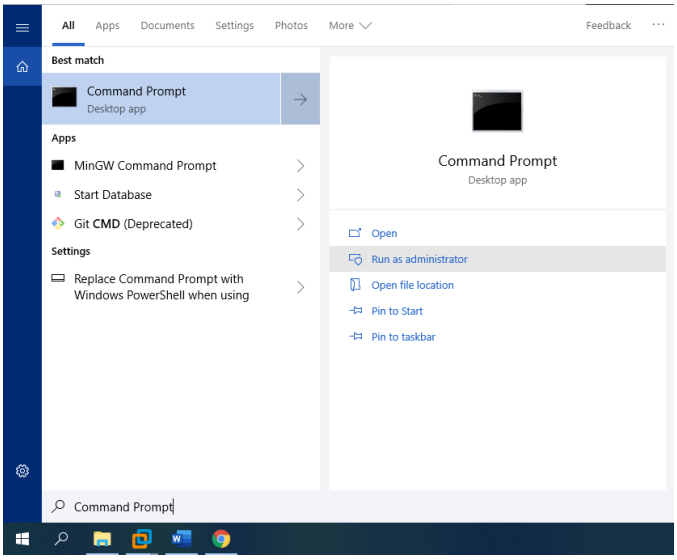
11. Hasil pembuatan bucket



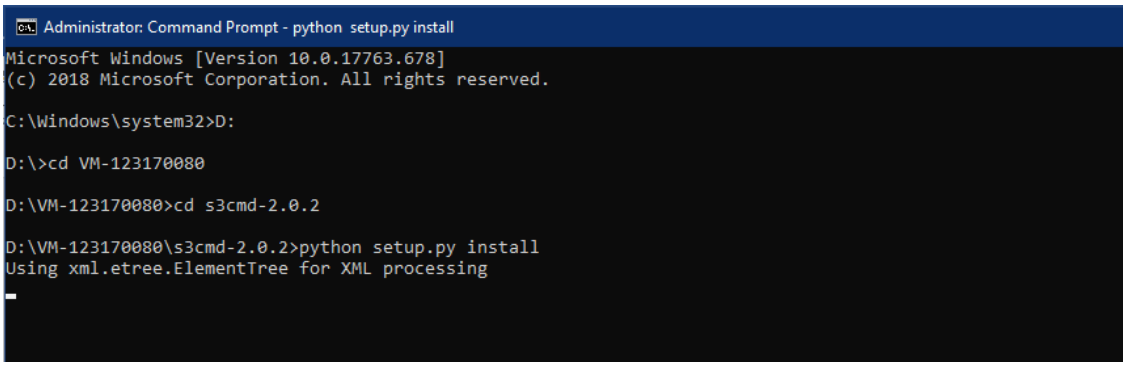
12. Mencoba s3cmd untuk upload data, buka situs link.upnyk.ac.id/s3cmd kemudian unduh paket aplikasi s3cmd dalam bentuk zip. Ekstrak ke folder VM-NIM



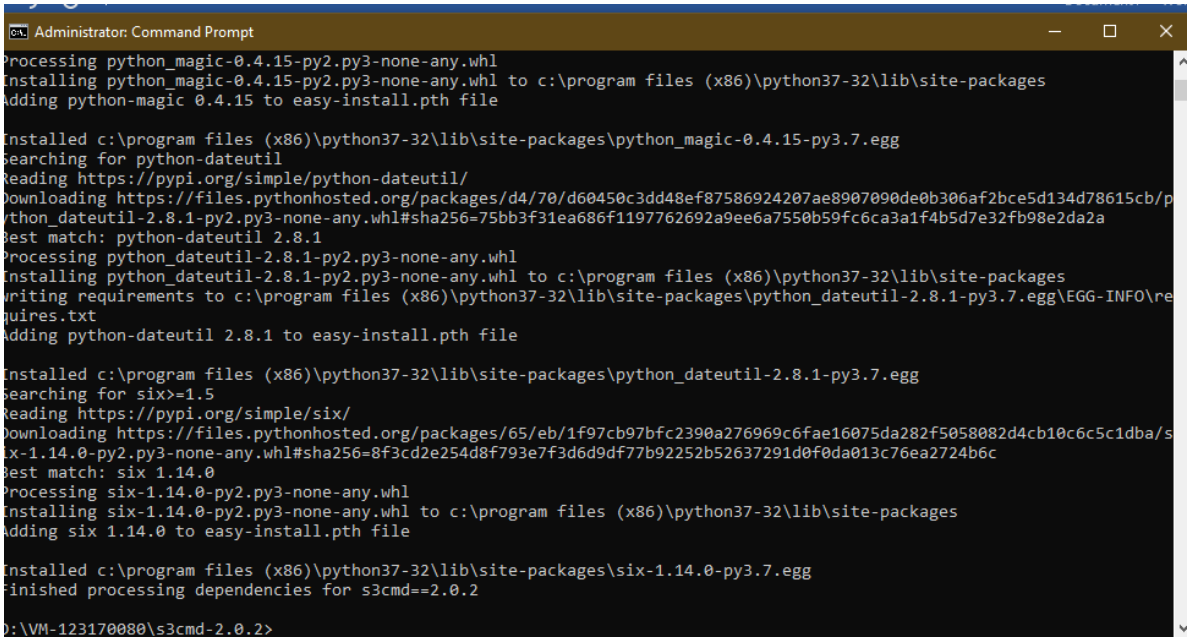
13. Install s3cmd dengan python, buka cmdprompt dengan mode elevated privilages (run as administrator)



14. Working directory ke folder s3 hasil unduh, arahkan working directory CMD ke isi folder yang telah di unduh sebelumnya, gunakan D: kemudian cd VM-NIM kemudian cd s3cmd-2.0.2 kemudian ketikan perintah python settup.py install



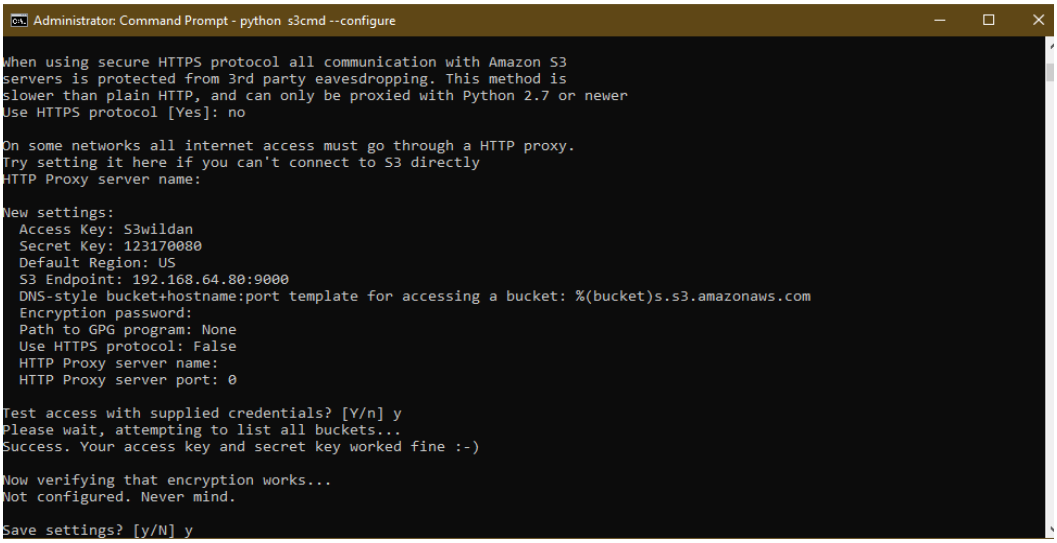
15. Tampilah setelah install



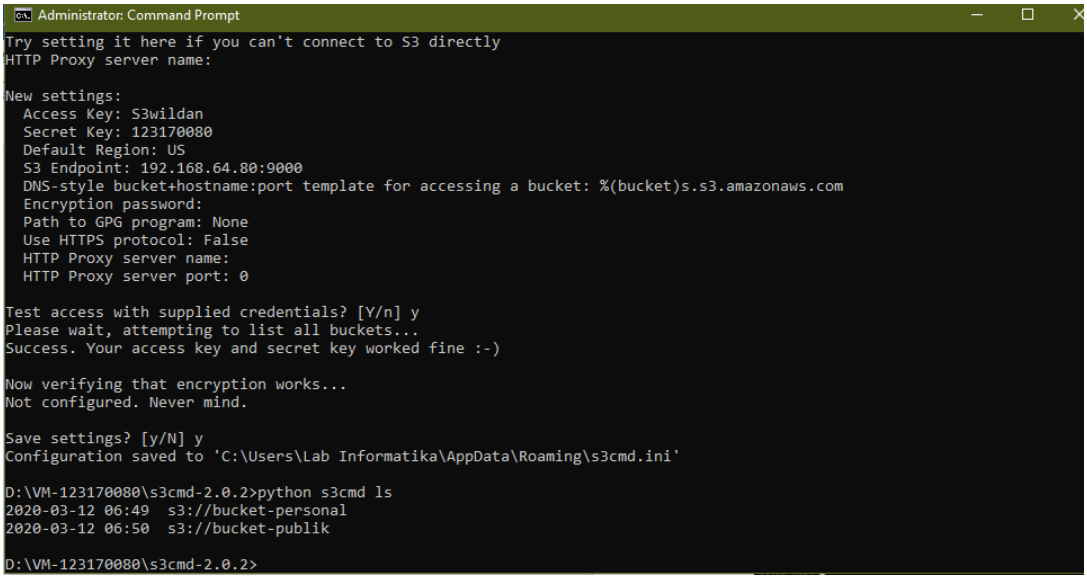
16. Konfigurasi s3cmd ketikkan perintah python s3cmd –configure

```
D:\VM-123170080\s3cmd-2.0.2>python s3cmd --configure
ERROR: Option --preserve is not yet supported on MS Windows platform. Assuming --no-preserve.
ERROR: Option --progress is not yet supported on MS Windows platform. Assuming --no-progress.

Enter new values or accept defaults in brackets with Enter.
Refer to user manual for detailed description of all options.

Access key and Secret key are your identifiers for Amazon S3. Leave them empty for using the env variables.
Access Key:
```

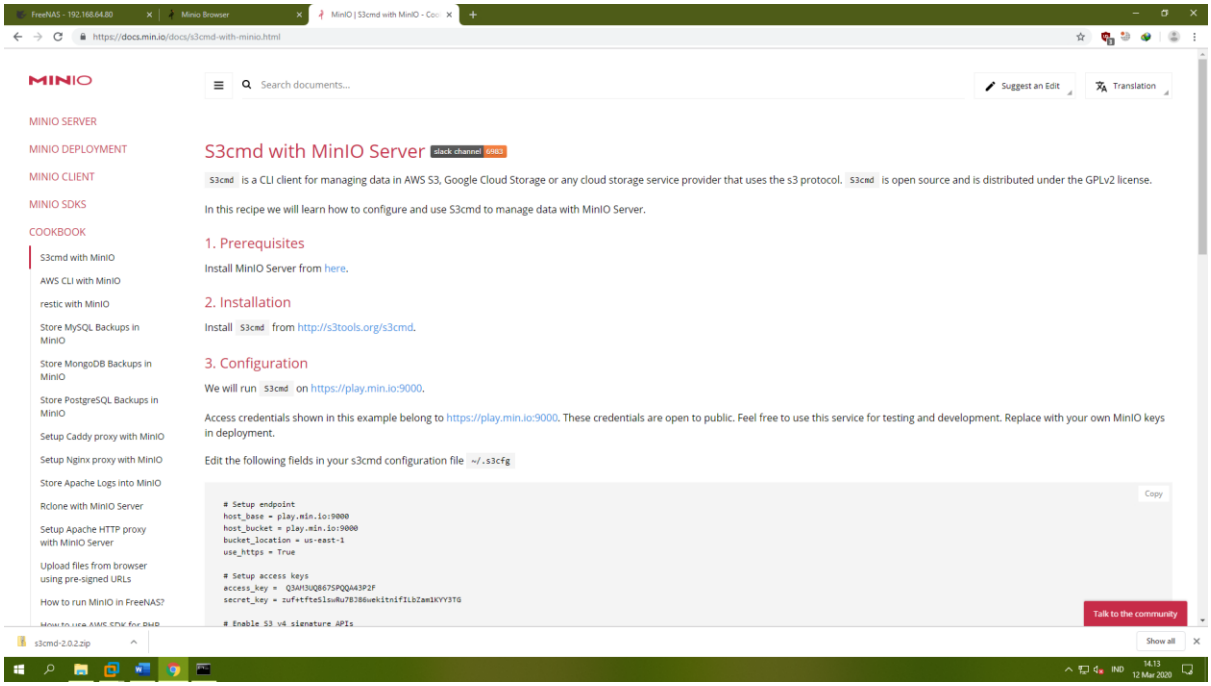
17. Parameter konfigurasi, isikan access key S3nick dan pass NIM. Untuk pilihan region kosongkan, untuk endpoint isikan IP.FREENAS:9000 isian bucket, encryption , dan GPG kosongkan, bagian https isi No. bagian proxy kosongkan. Test setting isikan Y, bila berhasil akan statusnya success kemudian save settings dengan isian Y.



18. Mencoba perintah s3cmd, ketikkan python s3cmd ls untuk melisting isi dari bucket pada s3 FreeNAS.



19. Dokumenyasi s3cmd, docs.min.io/docs/s3cmd-with-minio.html . kemudian cobalah sintaks upload dan download



20. Perintah upload file pada bucket, python s3cmd put mencoba.txt s3://bucket-personal

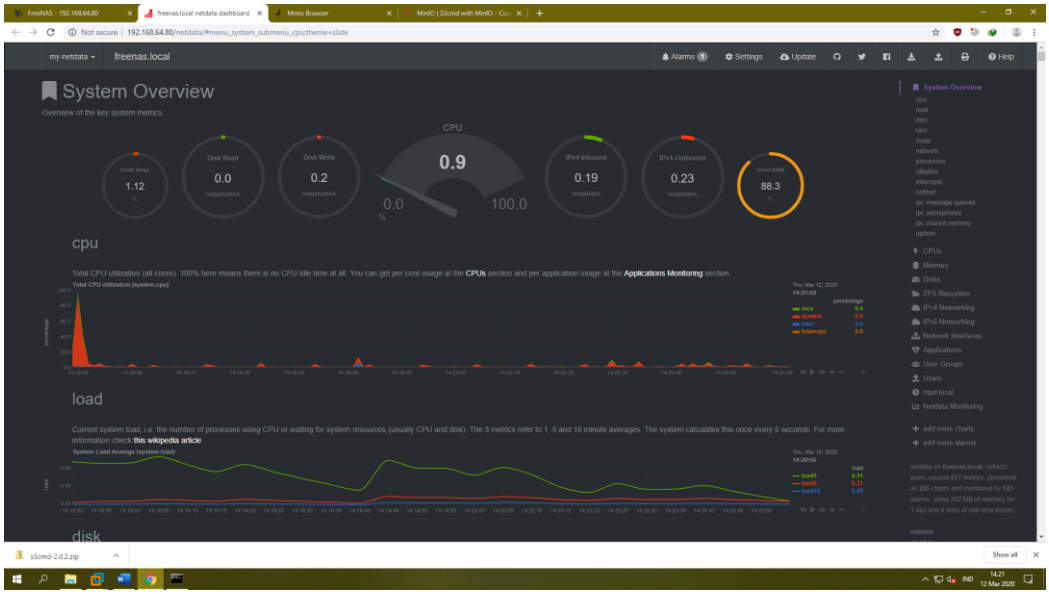
```
D:\VM-123170080\s3cmd-2.0.2>python s3cmd put mencoba.txt s3://bucket-personal
ERROR: Parameter problem: Nothing to upload.

D:\VM-123170080\s3cmd-2.0.2>
```

FITUR KE 2 FREENAS (Netdata)

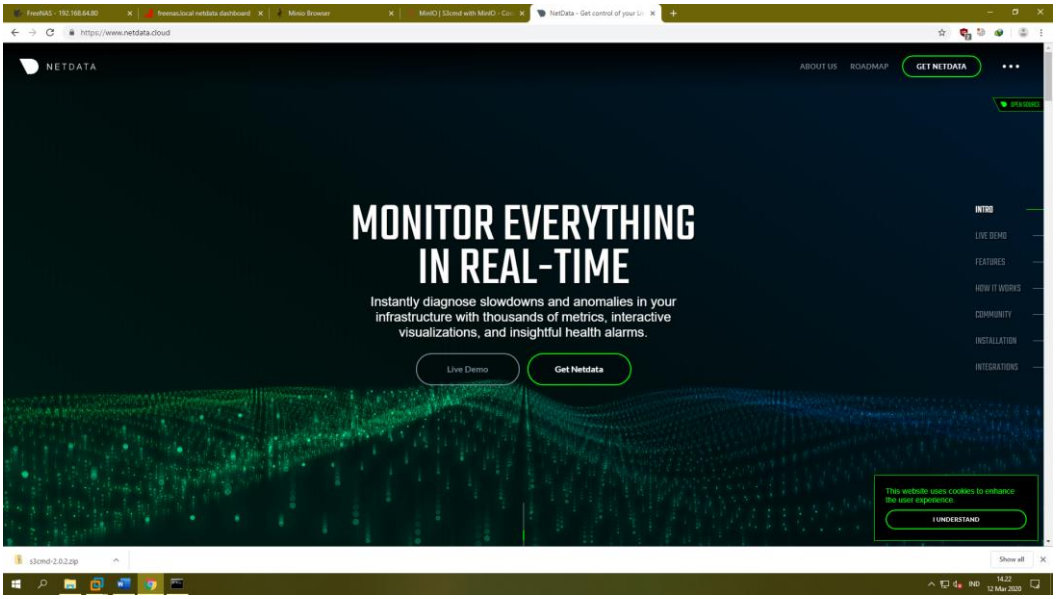
Sistem layanan monitoring performa sistem secara real-time. Tampilan di sediakan dalam bentuk web based dashboard.

1. Masuk menu services, cari netdata, lalu nyalakan dan klik pada launch

2. Tampilan net data, dapat di aksesk juga melalui IP.FREENAS/netdata



3. Dokumentasi netdata, netdata.cloud



FITUR KE 3 FREENAS

(Sebagai mesin downloader torrent dengan menggunakan aplikasi transmission)