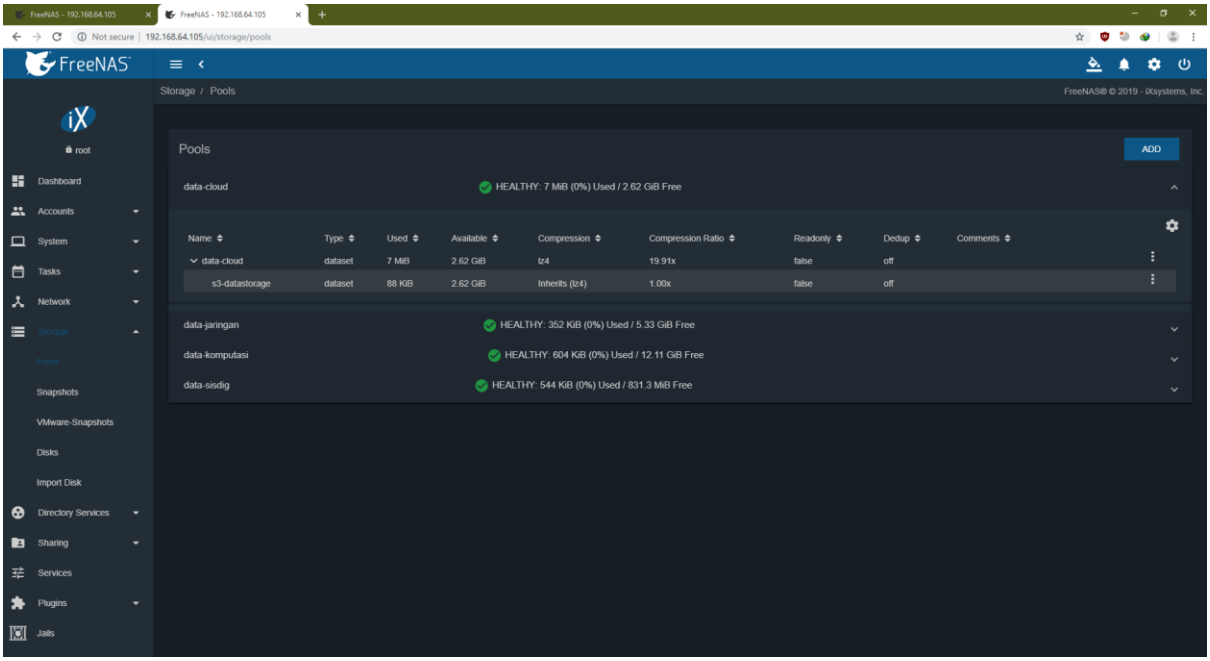
Vannya Yure Putra Swandjana
123170082
Prak. Cloud Computing (C)

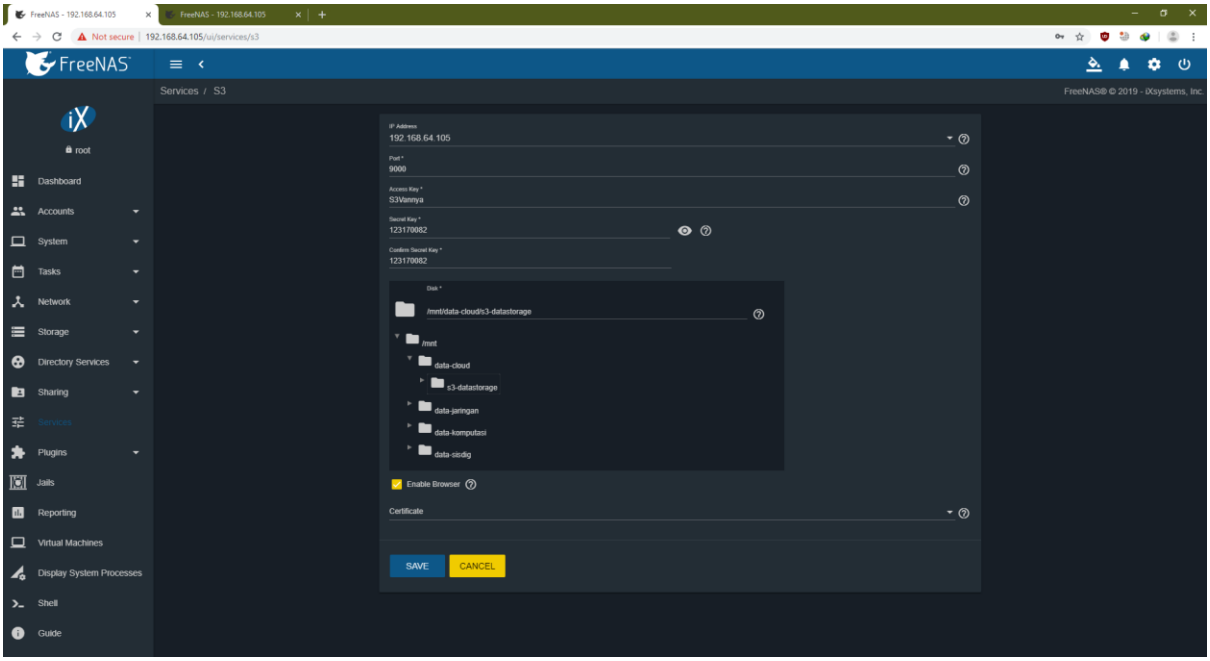
Konfigurasi Layanan Cloud Computing Pada FreeNAS

Langkah Konfigurasi S3 Bucket Service

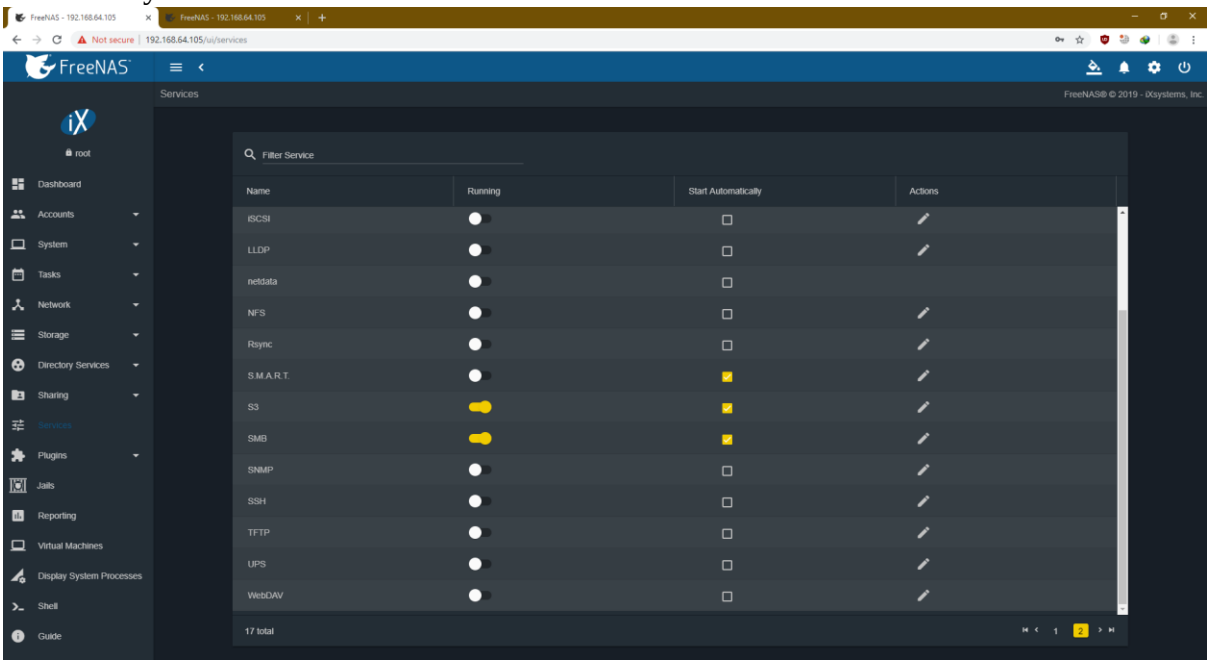
1. Login Dashboard
2. Masuk Menu Storage Pool
3. Buat Dataset Baru
4. Hasil Pembuatan Dataset



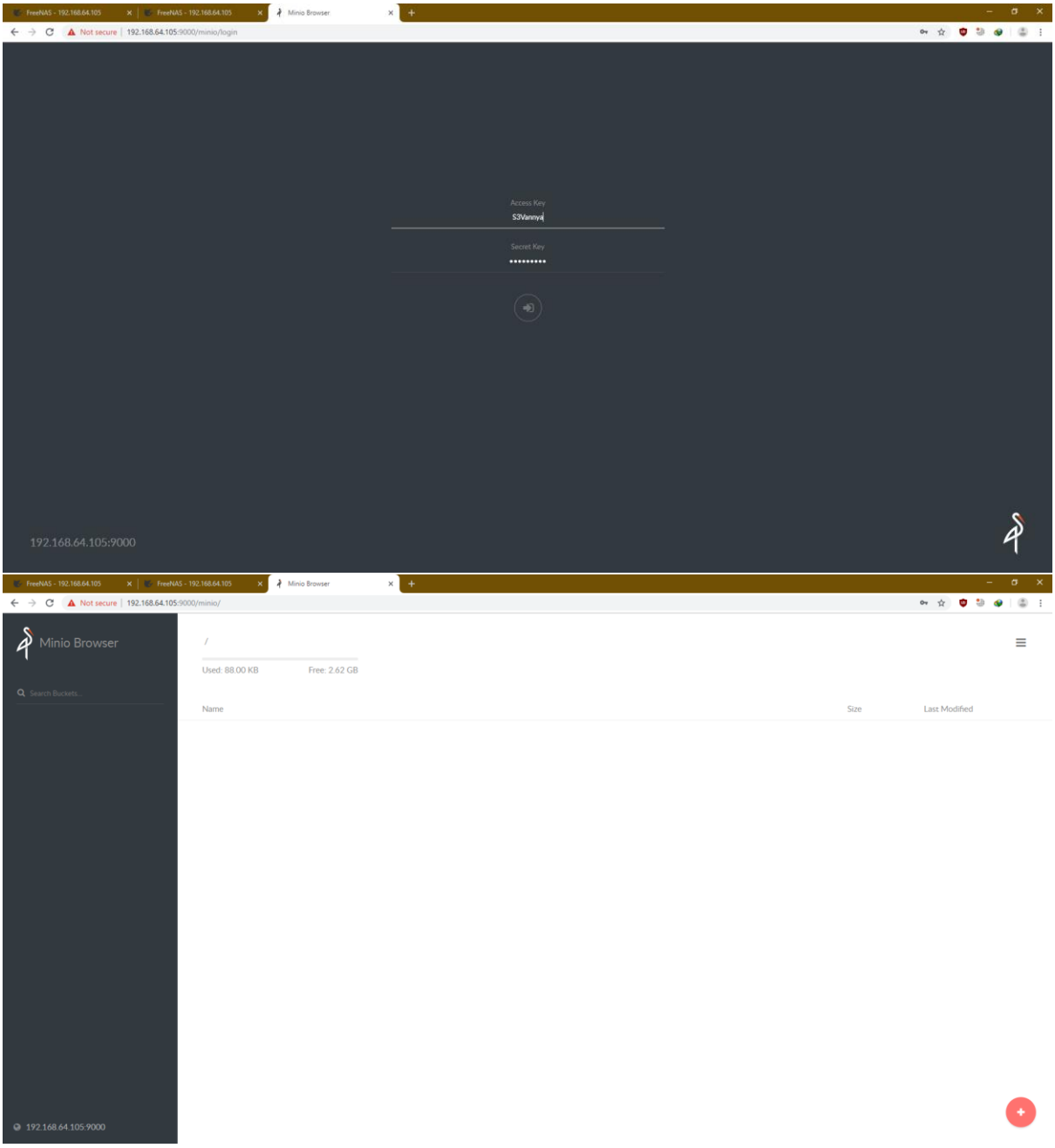
5. Masuk ke menu services
6. Konfigurasi S3 services



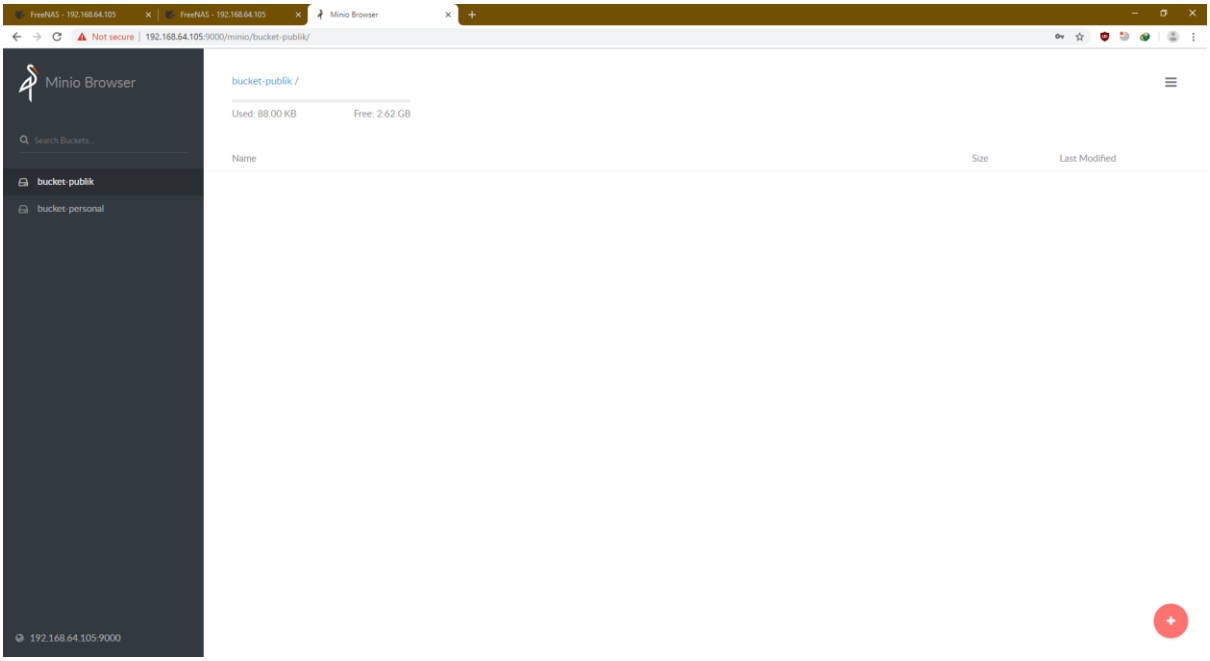
7. Aktivasi layanan s3



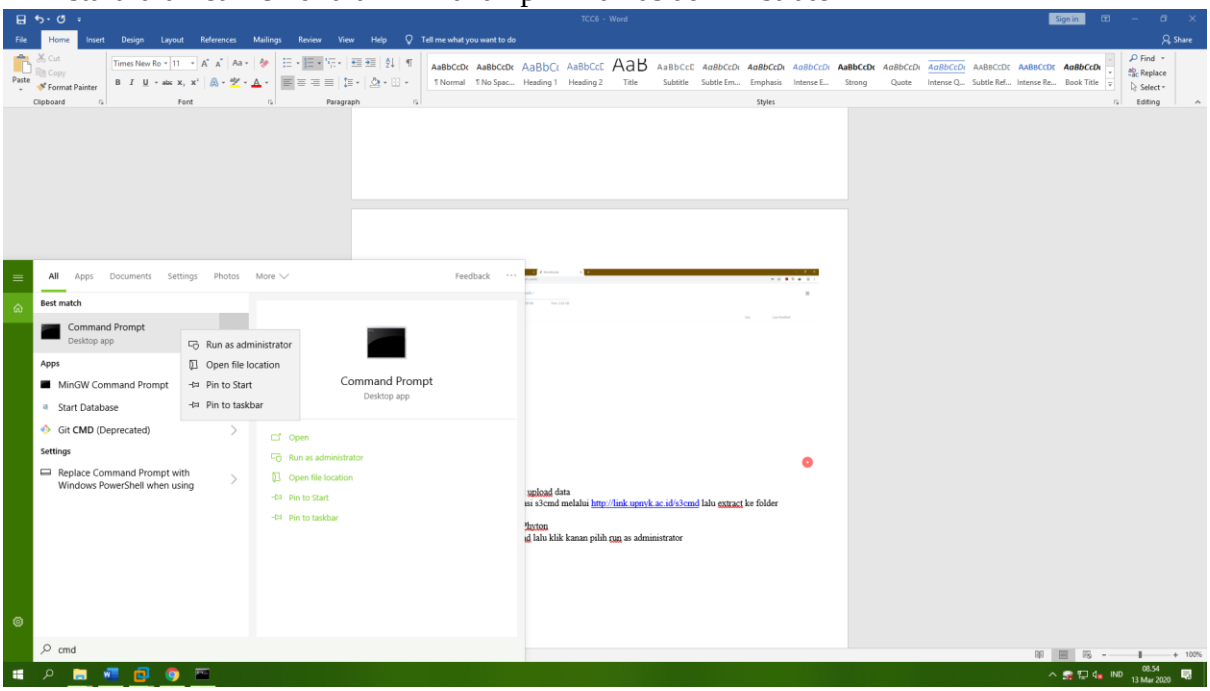
8. Akses layanan s3 dengan MiniIO Web Based (http://IP.FREENAS:9000)
9. Login MinIO



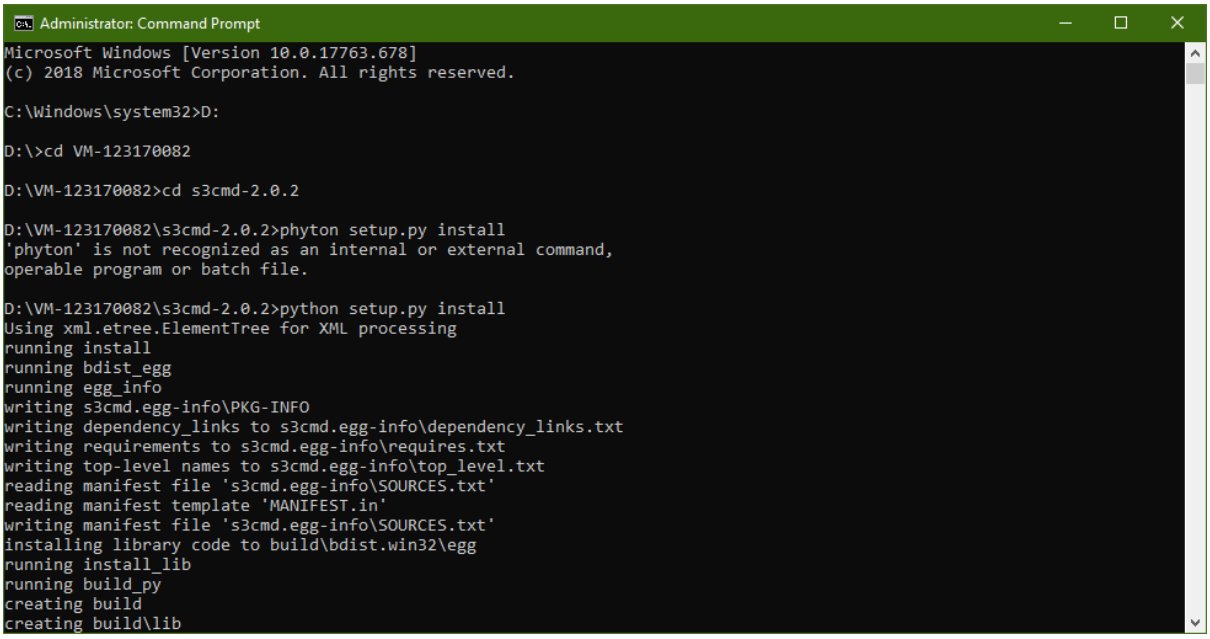
10. Membuat bucket baru dengan nama bucket-personal dan bucket-publik
11. Hasil pembuatan bucket



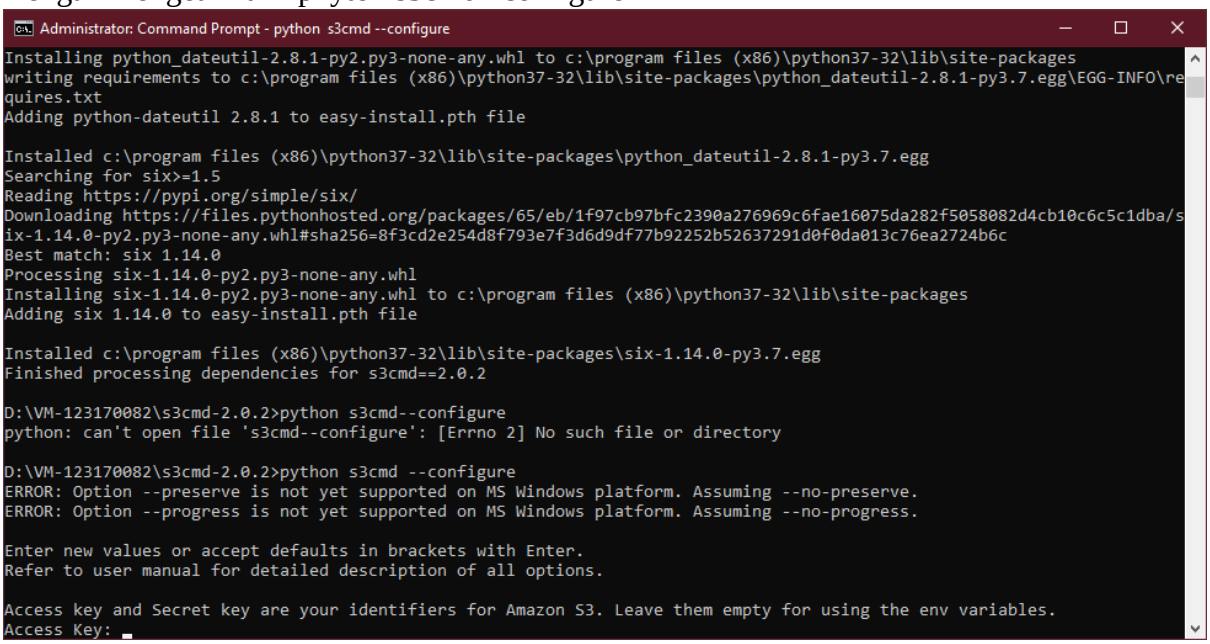
12. Mencoba s3cmd untuk upload data
    Download paket aplikasi s3cmd melalui http://link.upnyk.ac.id/s3cmd lalu extract ke folder VM-NIM
13. Install s3cmd dengan Phyton
    Klik start lalu ketik cmd lalu klik kanan pilih run as administrator



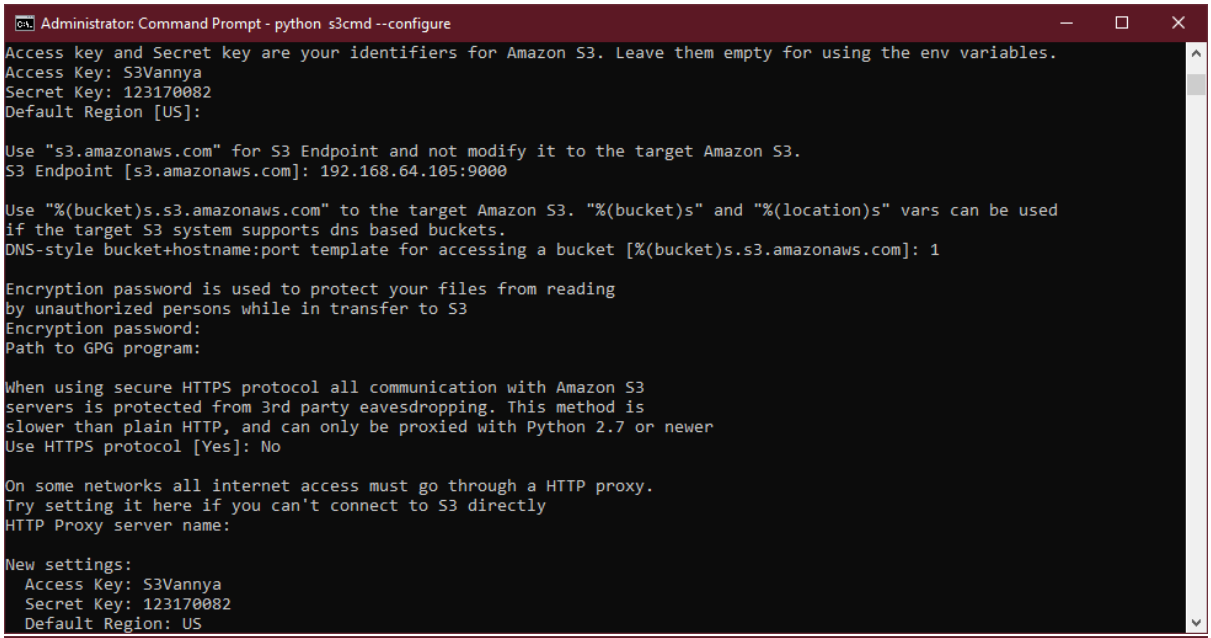
14. Working directory ke folder s3 hasil unduh

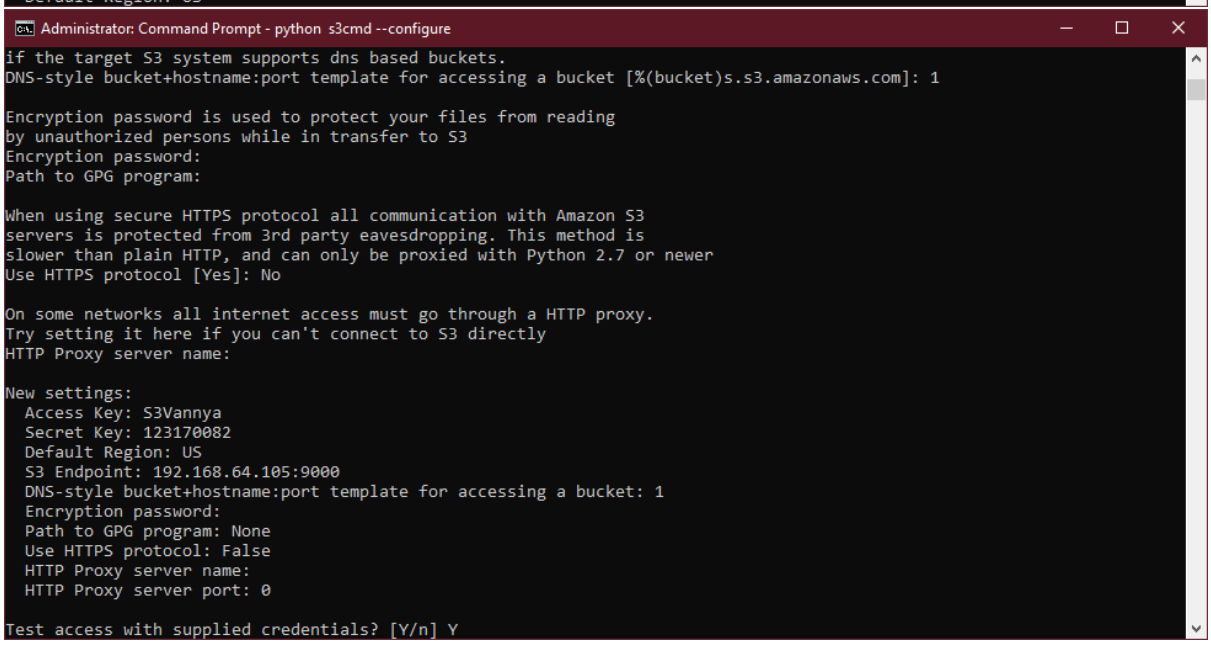


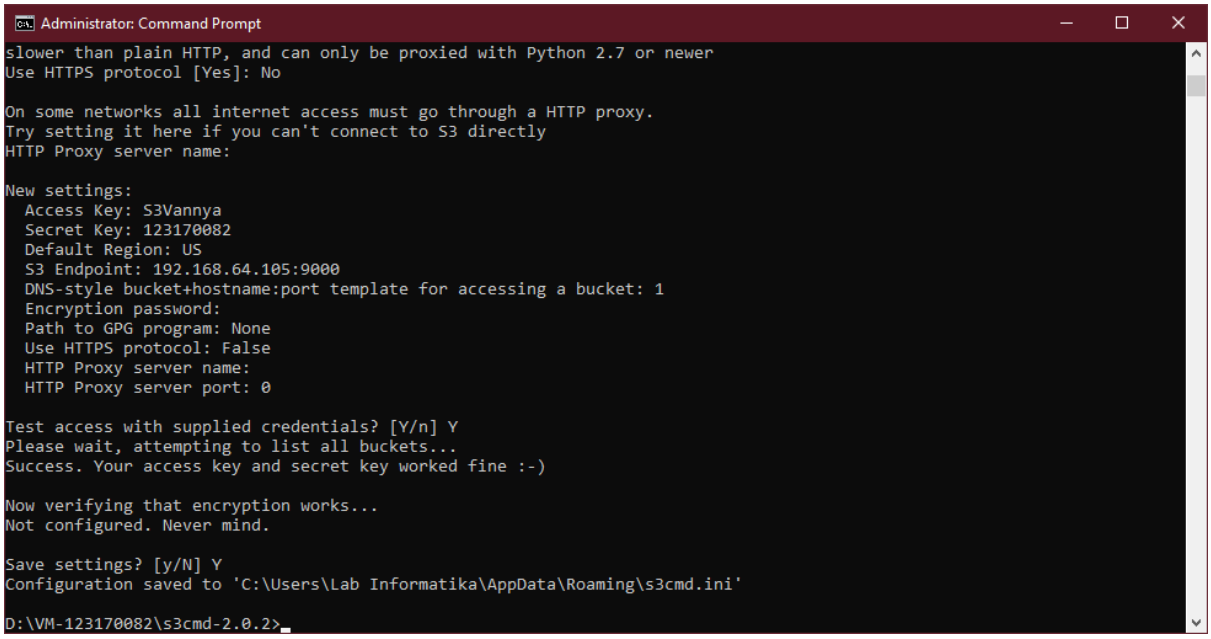
15. Konfigurasi s3cmd
    Dengan mengetikkan “phyton s3cmd –configure”



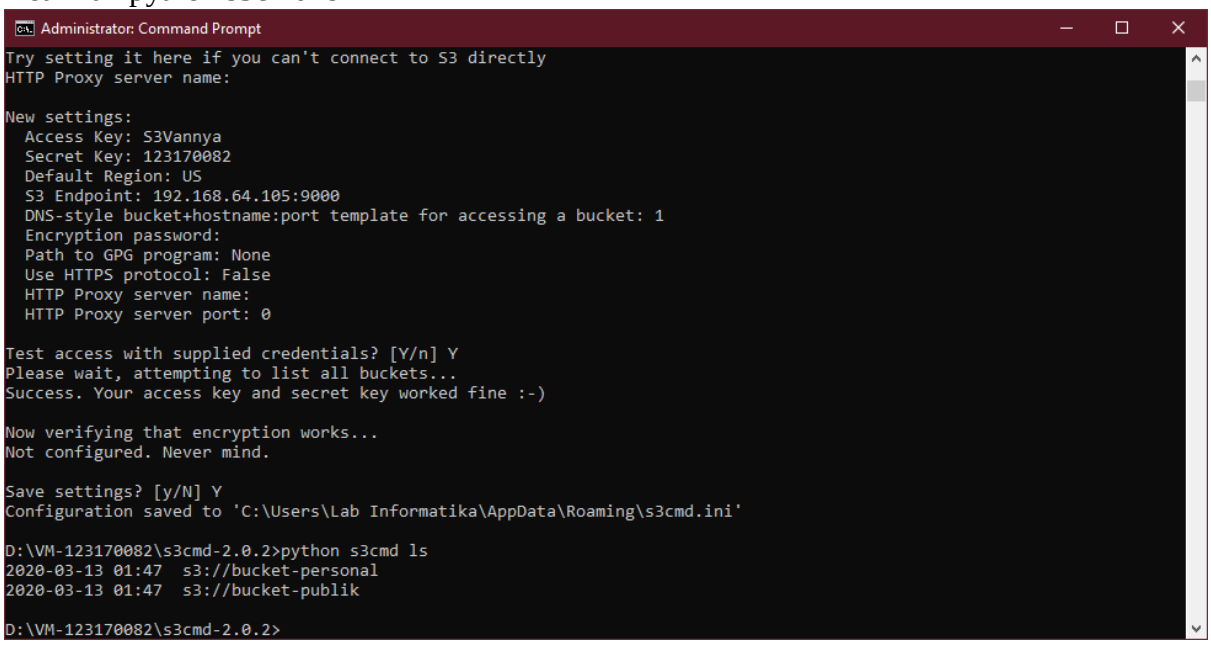
16. Parameter konfigurasi
    Access Key isikan sesuai S3nickname
    Secret Key isikan sesuai NIM
    Region kosongkan
    Endpoint isikan IP.FREENAS:9000
    Encryption kosongkan
    GPG kosongkan
    HTTPS protocol isikan No.
    Yang lain kosongkan
    Lalu ketik Y


Administrator: Command Prompt - python s3cmd --configure
Access key and Secret key are your identifiers for Amazon S3. Leave them empty for using the env variables.
Access Key: S3Vannya
Secret Key: 123170082
Default Region [US]:
Use "s3.amazonaws.com" for S3 Endpoint and not modify it to the target Amazon S3.
S3 Endpoint [s3.amazonaws.com]: 192.168.64.105:9000
Use "%(bucket)s.s3.amazonaws.com" to the target Amazon S3. "%(bucket)s" and "%(location)s" vars can be used
if the target S3 system supports dns based buckets.
DNS-style bucket+hostname:port template for accessing a bucket [%(bucket)s.s3.amazonaws.com]: 1
Encryption password is used to protect your files from reading
by unauthorized persons while in transfer to S3
Encryption password:
Path to GPG program:
When using secure HTTPS protocol all communication with Amazon S3
servers is protected from 3rd party eavesdropping. This method is
slower than plain HTTP, and can only be proxied with Python 2.7 or newer
Use HTTPS protocol [Yes]: No
On some networks all internet access must go through a HTTP proxy.
Try setting it here if you can't connect to S3 directly
HTTP Proxy server name:
New settings:
Access Key: S3Vannya
Secret Key: 123170082
Default Region: US


Administrator: Command Prompt - python s3cmd --configure
if the target S3 system supports dns based buckets.
DNS-style bucket+hostname:port template for accessing a bucket [%(bucket)s.s3.amazonaws.com]: 1
Encryption password is used to protect your files from reading
by unauthorized persons while in transfer to S3
Encryption password:
Path to GPG program:
When using secure HTTPS protocol all communication with Amazon S3
servers is protected from 3rd party eavesdropping. This method is
slower than plain HTTP, and can only be proxied with Python 2.7 or newer
Use HTTPS protocol [Yes]: No
On some networks all internet access must go through a HTTP proxy.
Try setting it here if you can't connect to S3 directly
HTTP Proxy server name:
New settings:
Access Key: S3Vannya
Secret Key: 123170082
Default Region: US
S3 Endpoint: 192.168.64.105:9000
DNS-style bucket+hostname:port template for accessing a bucket: 1
Encryption password:
Path to GPG program: None
Use HTTPS protocol: False
HTTP Proxy server name:
HTTP Proxy server port: 0
Test access with supplied credentials? [Y/n] Y



17. Mencoba perintah s3cmd
    Ketikkan python s3cmd ls

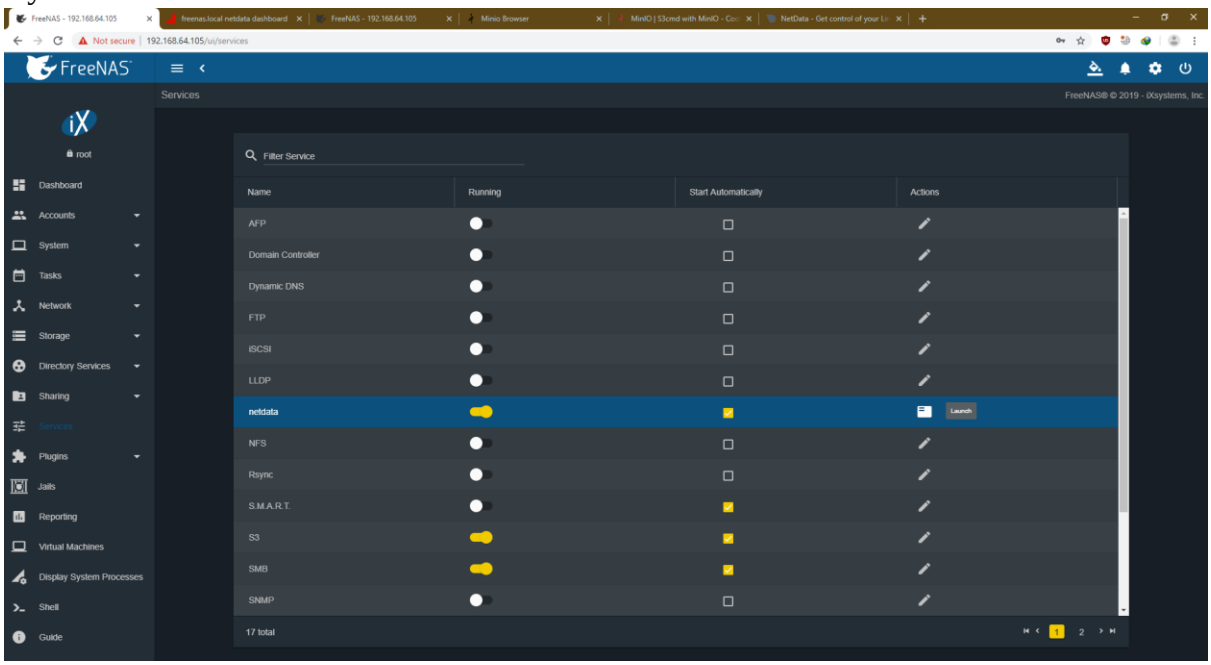


18. Buka dokumentasi s3cmd melalui https://docs.min.io./docs/s3cmd-with-minio.html
    Untuk upload file

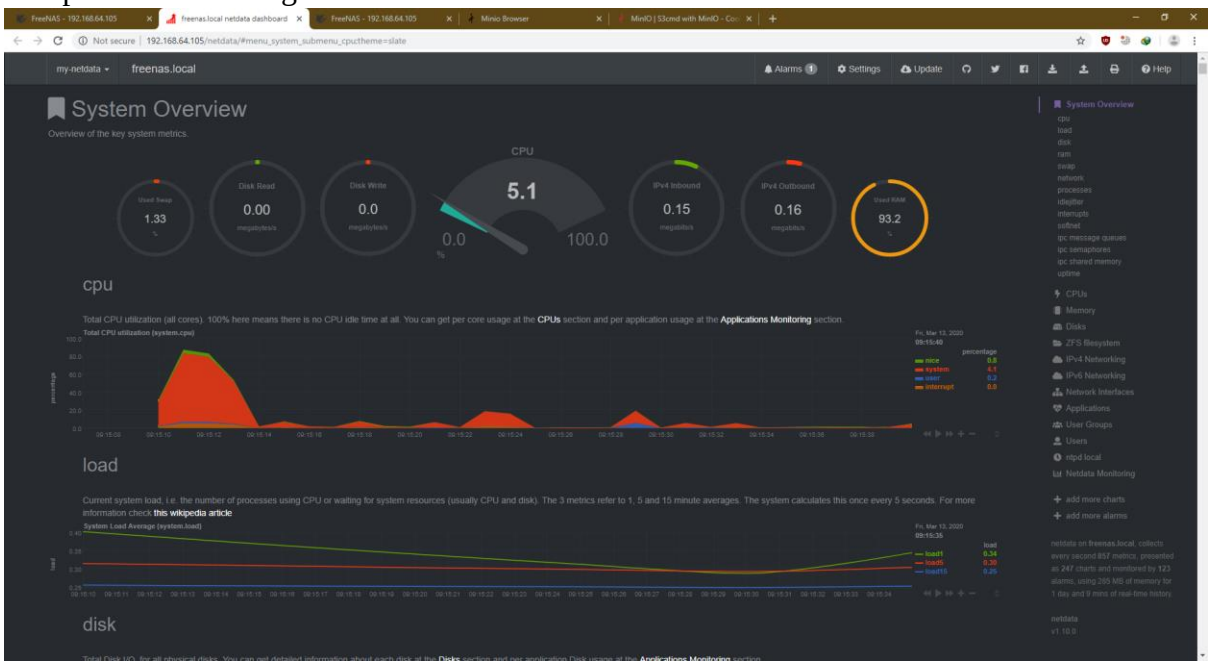
```
s3cmd put newfile s3://testbucket

upload: 'newfile' -> 's3://testbucket/newfile'
```

Monitoring Dengan Netdata Service

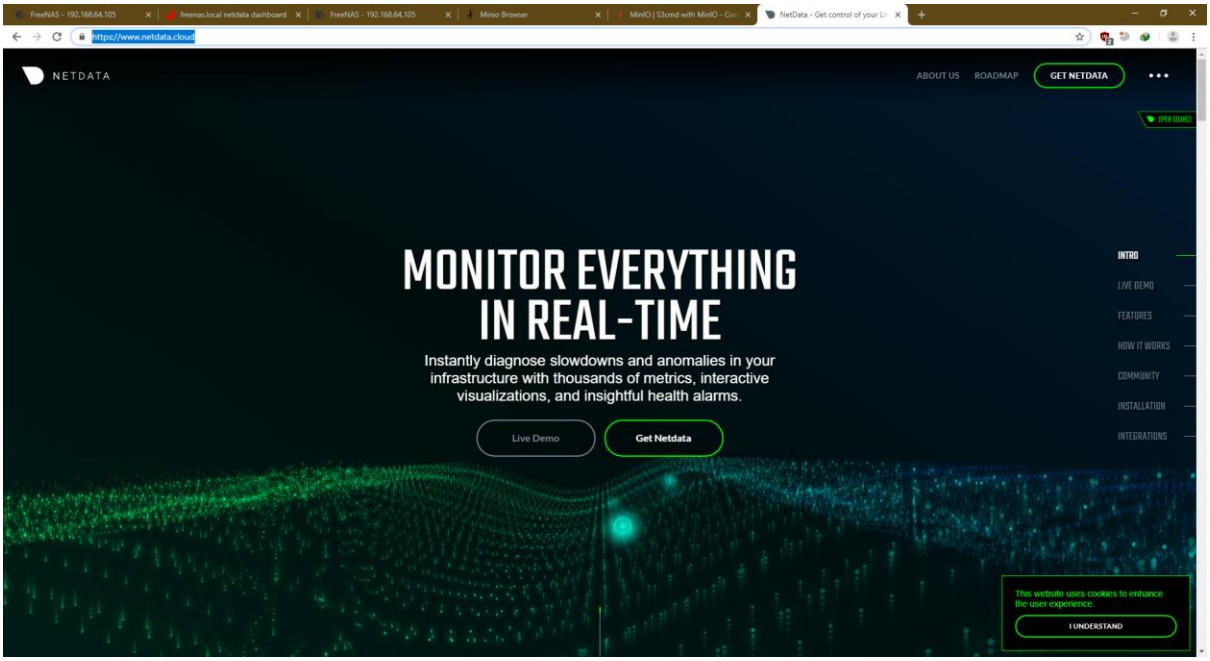
1. Login
2. Cari netdata dibagian services
3. Nyalakan service netdata



4. Tampilan netdata dengan klik launch



5. Dokumentasi netdata (https://www.netdata.cloud/)



Mencoba Jails Dengan Transmission

1.