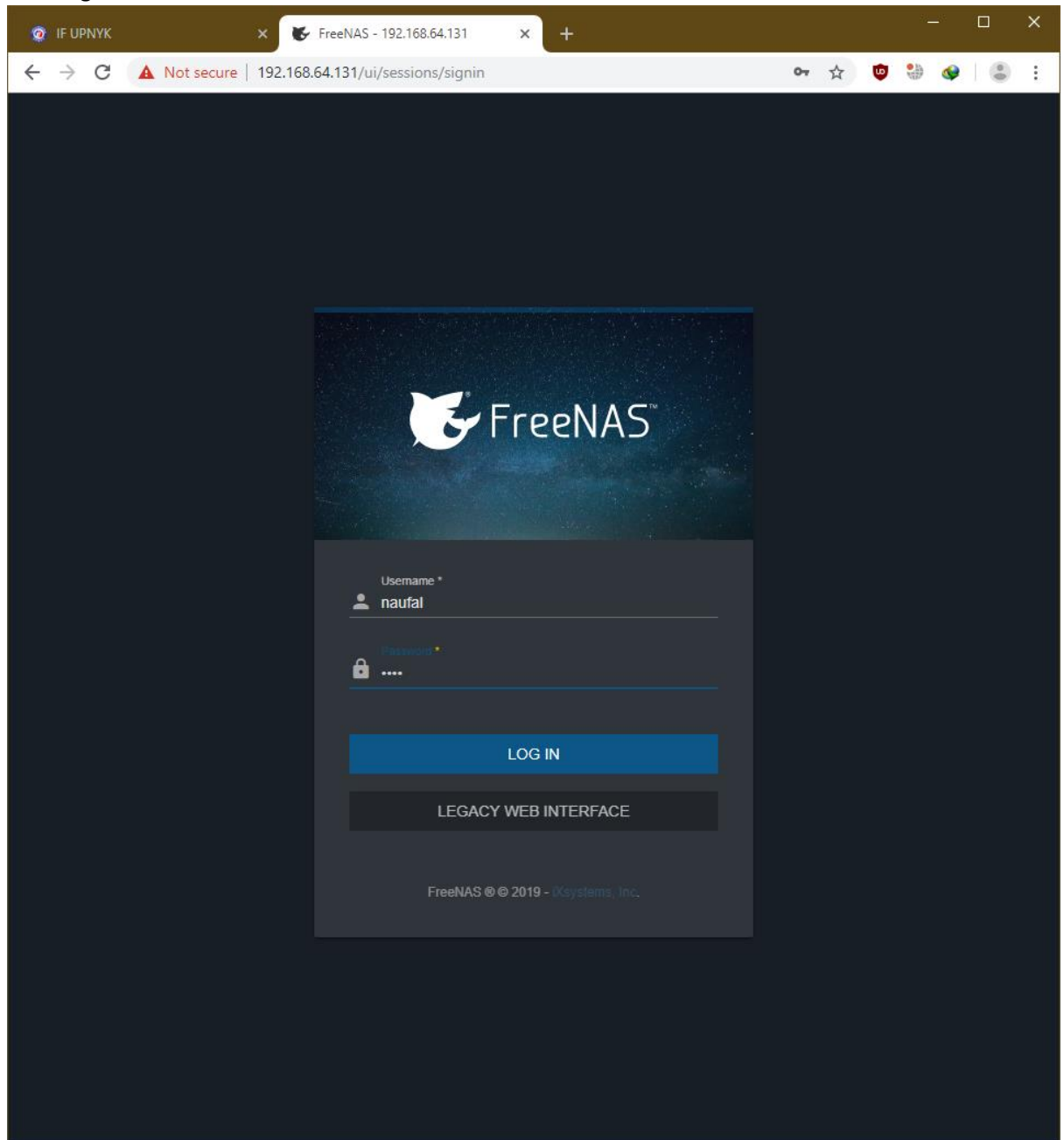


Nama : Naufal Afkar

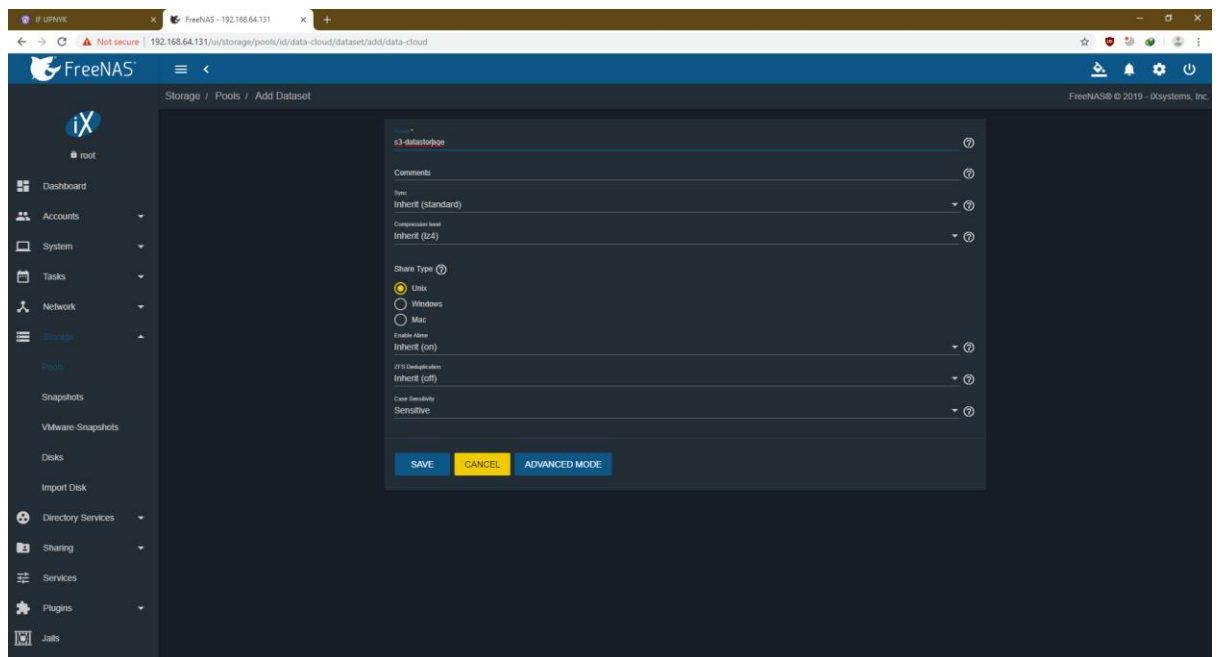
NIM : 123170054

Konfigurasi Layanan Cloud Computing pada FREENAS

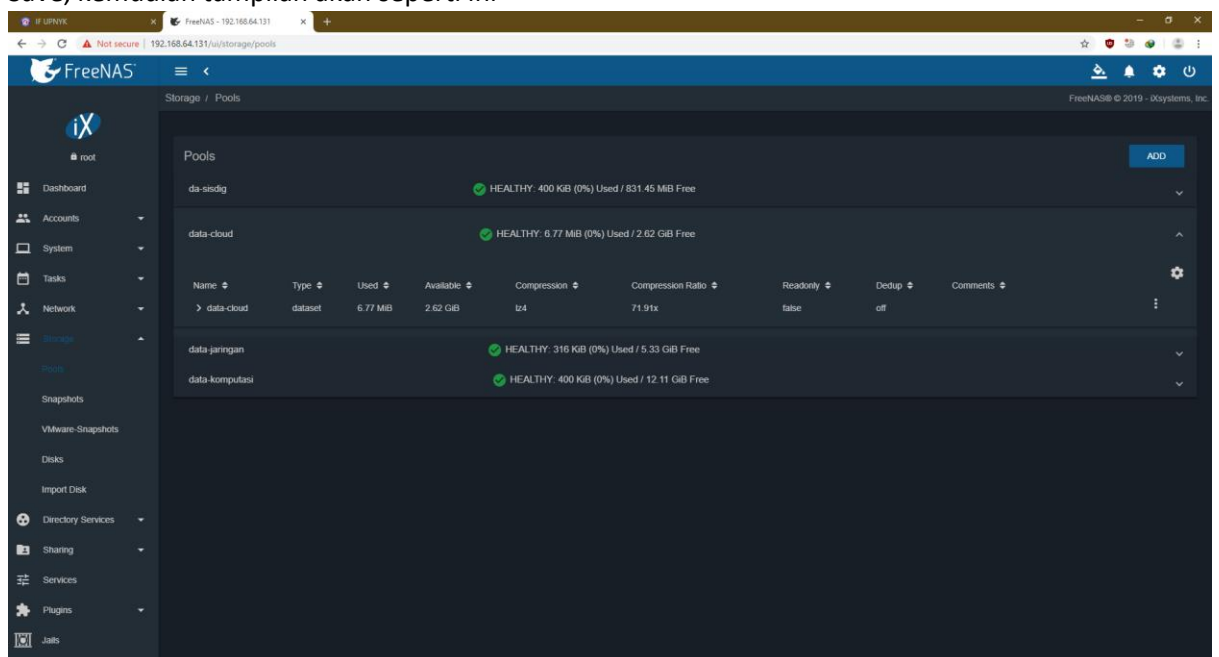
1. Login Di VMWare
2. Lalu Login



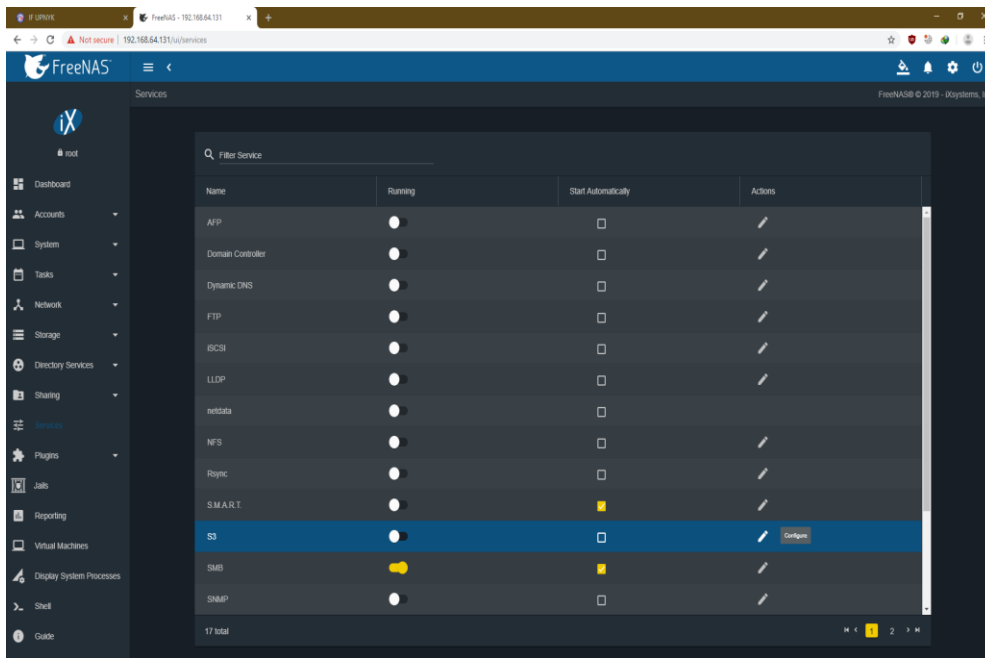
3. Mask Menu Storage -> POOL, pilih data-cloud, klik lalu add dataset, kemudian isikan nama menjadi s3-datastorage



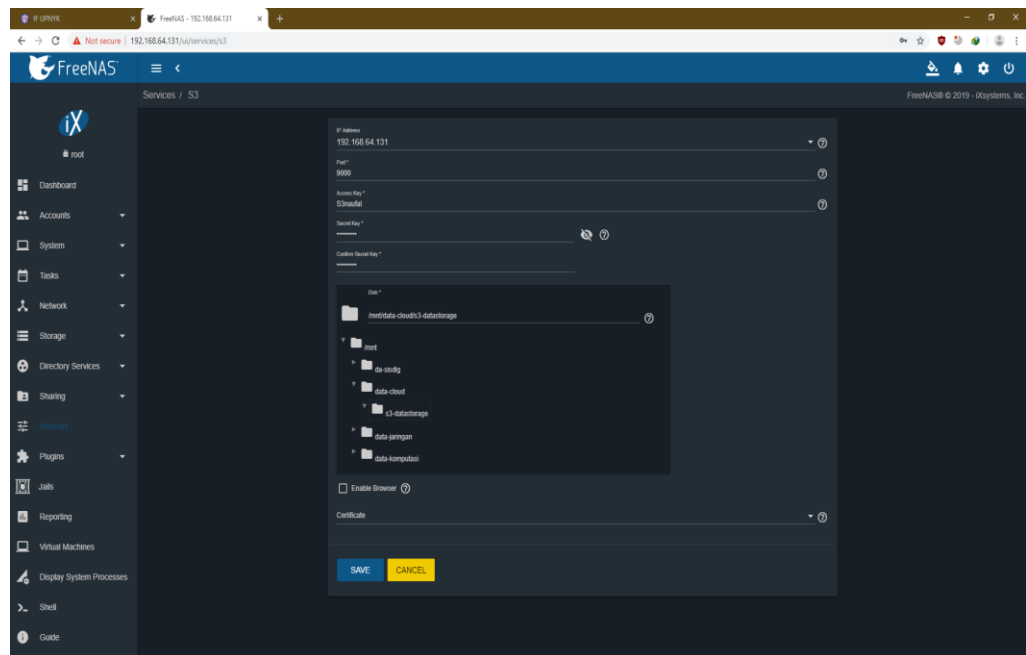
4. Save, kemudian tampilan akan seperti ini



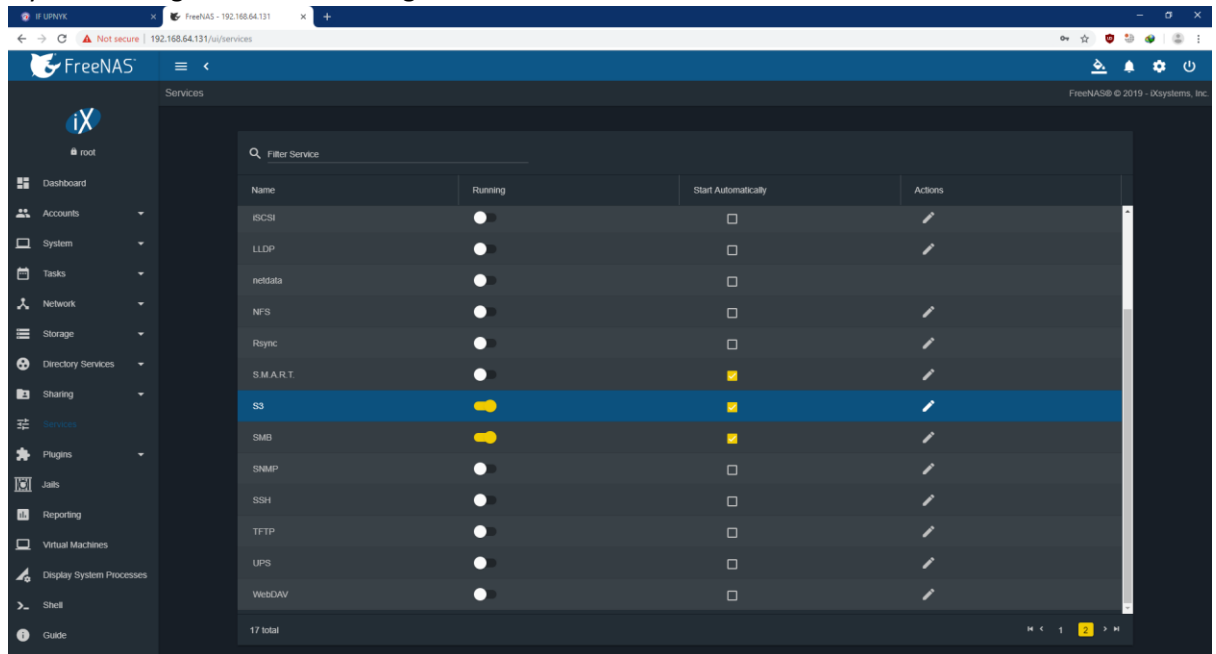
5. Klik storage, lalu pilih s3, ada icon pensil lalu diklik



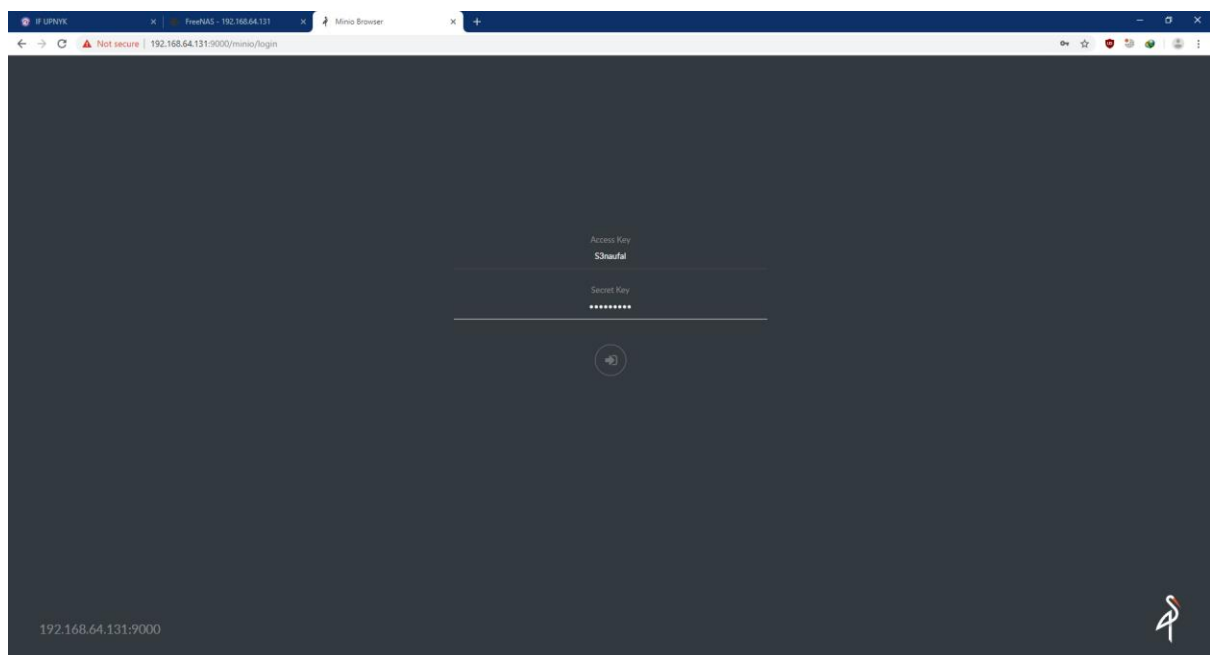
6. Isikan data sesuai gambar, kemudian di save



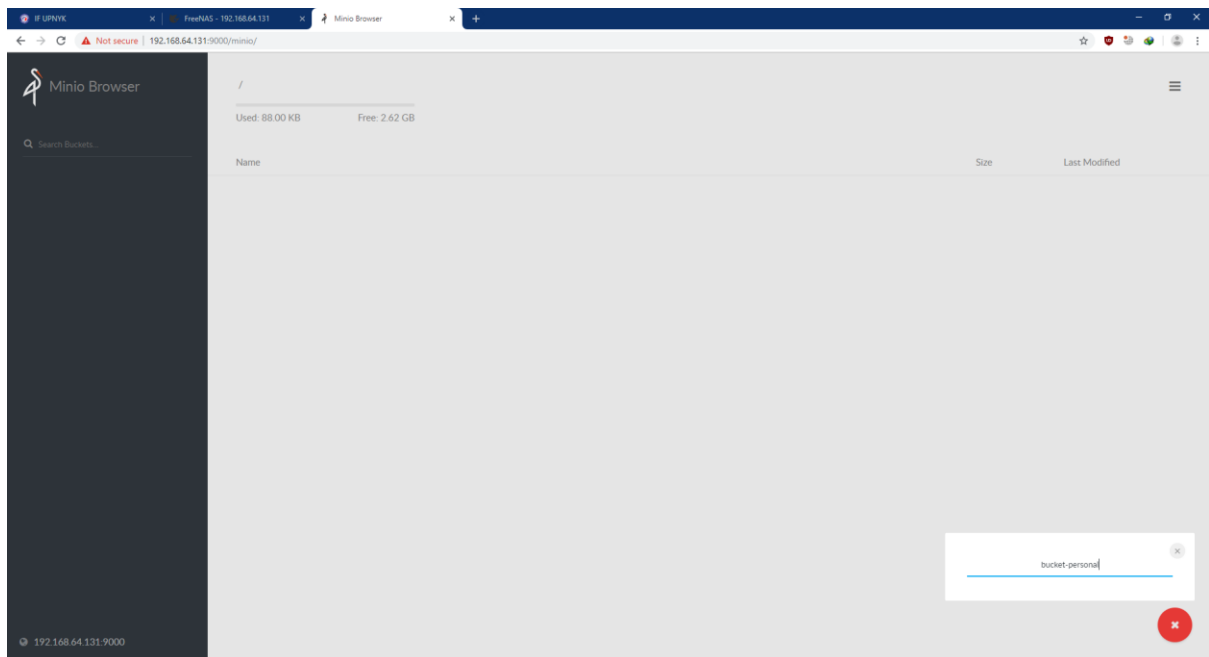
7. Nyalakan dengan cara klik running dan di checklist



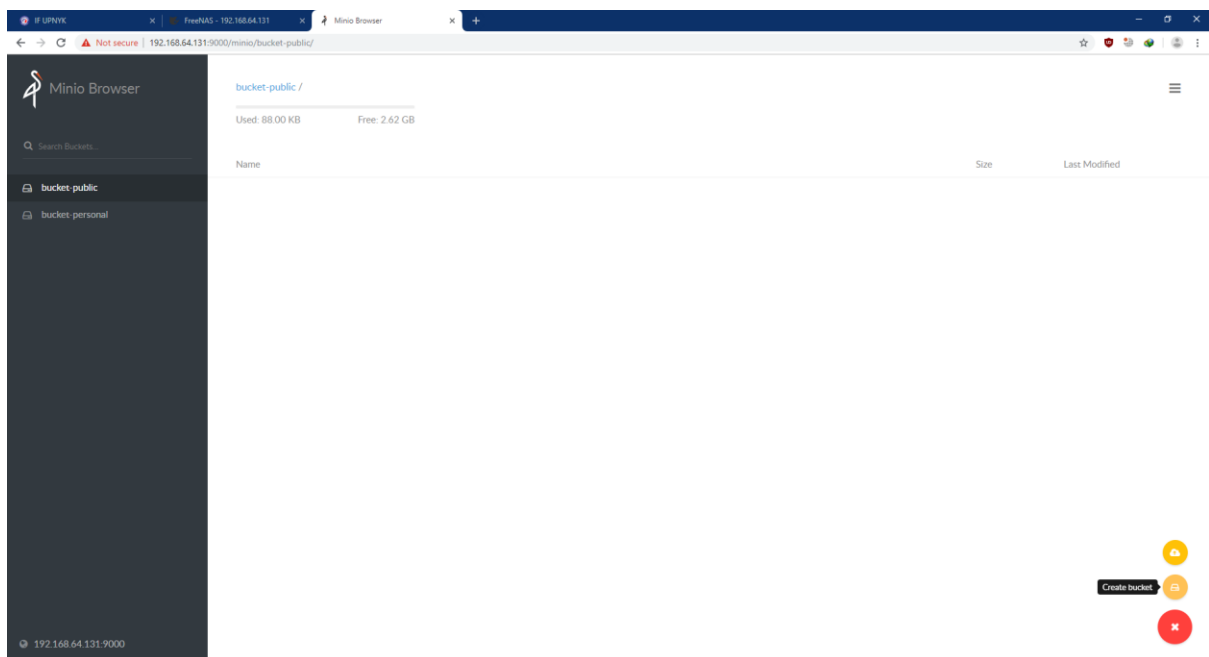
10. Ketik ke browser IP FREENAS:9000, kemudian Login MinIO



11. Setelah selesai login Create Bucket

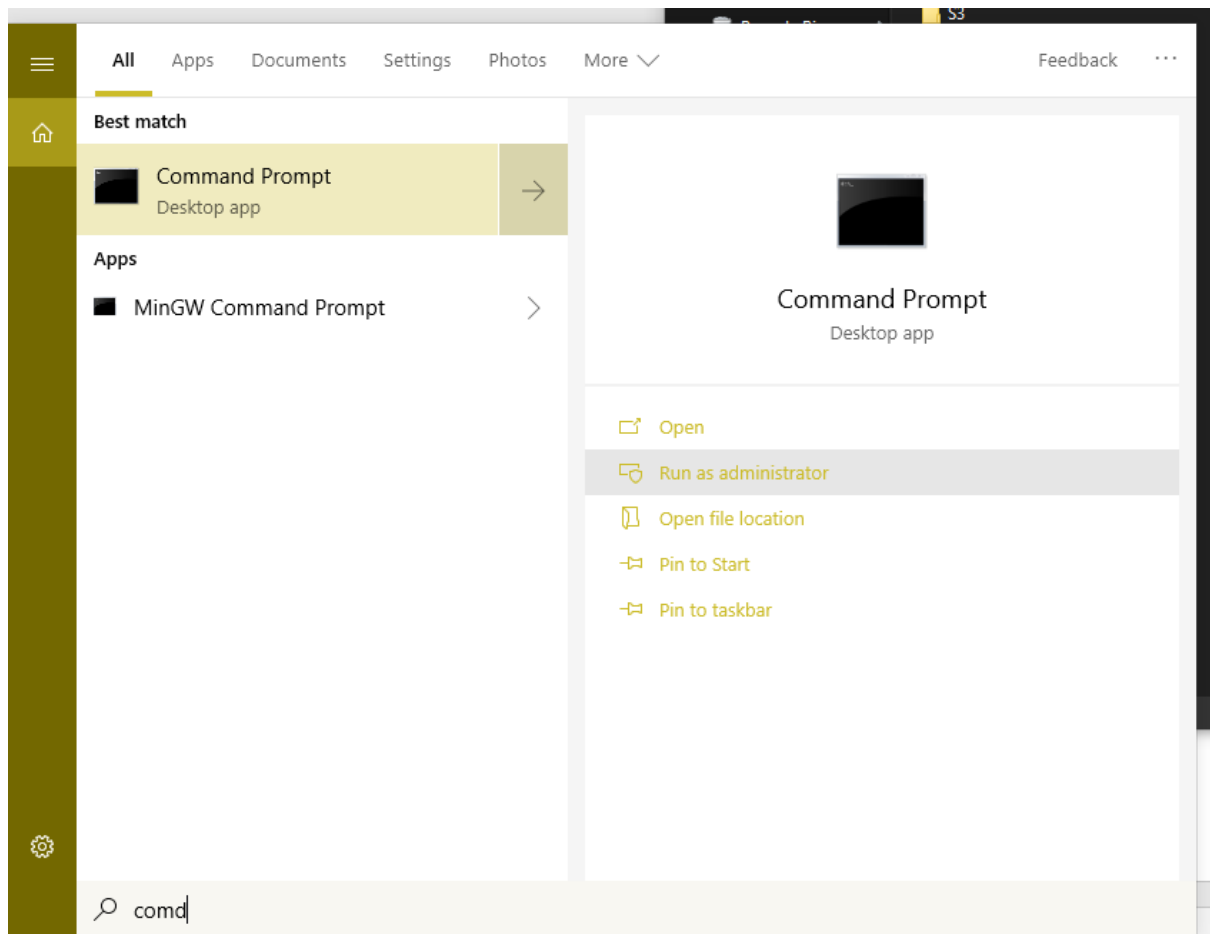


12. Buat 2 bucket



13. Kemudian download s3cmd ,simpan ke folder VM klean.

14. Buka lewat cmd, run as admin



15. Pindah direktori ke vm klean, lalu ketikkan

16. Isikan

```
Administrator: Command Prompt
Processing python_magic-0.4.15-py2.py3-none-any.whl
Installing python_magic-0.4.15-py2.py3-none-any.whl to c:\program files (x86)\python37-32\lib\site-packages
Adding python_magic 0.4.15 to easy-install.pth file

Installed c:\program files (x86)\python37-32\lib\site-packages\python_magic-0.4.15-py3.7.egg
Searching for python-dateutil
Reading https://pypi.org/simple/python-dateutil/
Downloading https://files.pythonhosted.org/packages/d4/70/d60450c3dd48ef87586924207ae8907090de0b306af2bce5d134d78615cb/p
python_dateutil-2.8.1-py2.py3-none-any.whl#sha256=75bb3f31ea686f1197762692a9ee6a7550b59fc6ca3a1f4b5d7e32fb98e2da2a
Best match: python-dateutil 2.8.1
Processing python_dateutil-2.8.1-py2.py3-none-any.whl
Installing python_dateutil-2.8.1-py2.py3-none-any.whl to c:\program files (x86)\python37-32\lib\site-packages
Writing requirements to c:\program files (x86)\python37-32\lib\site-packages\python_dateutil-2.8.1-py3.7.egg\EGG-INFO\re
quires.txt
Adding python-dateutil 2.8.1 to easy-install.pth file

Installed c:\program files (x86)\python37-32\lib\site-packages\python_dateutil-2.8.1-py3.7.egg
Searching for six>=1.5
Reading https://pypi.org/simple/six/
Downloading https://files.pythonhosted.org/packages/65/eb/1f97cb97bfc2390a276969c6fae16075da282f5058082d4cb10c6c5c1dba/s
ix-1.14.0-py2.py3-none-any.whl#sha256=8f3cd2e254d8f793e7f3d6d9df77b92252b52637291d0f0da013c76ea2724b6c
Best match: six 1.14.0
Processing six-1.14.0-py2.py3-none-any.whl
Installing six-1.14.0-py2.py3-none-any.whl to c:\program files (x86)\python37-32\lib\site-packages
Adding six 1.14.0 to easy-install.pth file

Installed c:\program files (x86)\python37-32\lib\site-packages\six-1.14.0-py3.7.egg
Finished processing dependencies for s3cmd==2.0.2
D:\VM-123170054\s3cmd-2.0.2>python s3cmd--configure
```

16. Hasil akhir akan seperti ini

```
Administrator: Command Prompt
slower than plain HTTP, and can only be proxied with Python 2.7 or newer
Use HTTPS protocol [No]: 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: S3naufal
  Secret Key: 123170054
  Default Region: US
  S3 Endpoint: 192.168.64.131:9000
  DNS-style bucket+hostname:port template for accessing a bucket: %(bucket)s.s3.amazonaws.com
  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
Please wait, attempting to list all buckets...
Success. Your access key and secret key worked fine :-)

Now verifying that encryption works...
Not configured. Never mind.

Save settings? [y/N] y
Configuration saved to 'C:\Users\Lab Informatika\AppData\Roaming\s3cmd.ini'
D:\VM-123170054\s3cmd-2.0.2>
```

17. Mencoba perintah s3cmd yaitu ls,

```
Administrator: Command Prompt
HTTP Proxy server name:

New settings:
  Access Key: S3naufal
  Secret Key: 123170054
  Default Region: US
  S3 Endpoint: 192.168.64.131:9000
  DNS-style bucket+hostname:port template for accessing a bucket: %(bucket)s.s3.amazonaws.com
  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
Please wait, attempting to list all buckets...
Success. Your access key and secret key worked fine :-)
```

Now verifying that encryption works...
Not configured. Never mind.

```
Save settings? [y/N] y
Configuration saved to 'C:\Users\Lab Informatika\AppData\Roaming\s3cmd.ini'

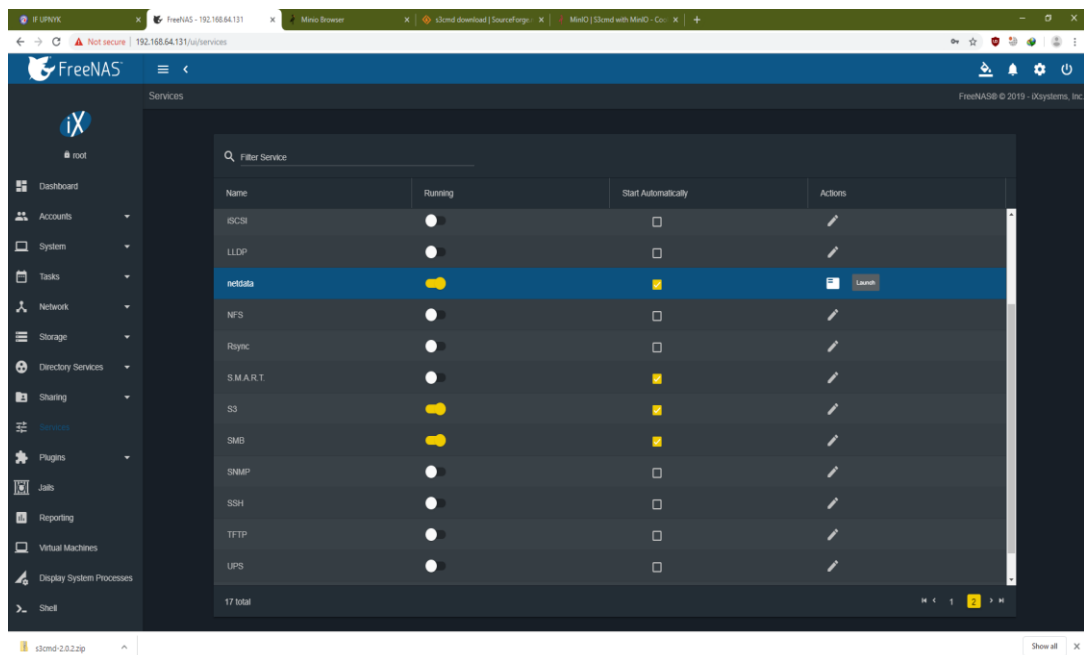
D:\VM-123170054\s3cmd-2.0.2>
D:\VM-123170054\s3cmd-2.0.2>python s3cmd ls
2020-03-13 01:48 s3://bucket-personal
2020-03-13 01:48 s3://bucket-public

D:\VM-123170054\s3cmd-2.0.2>
```

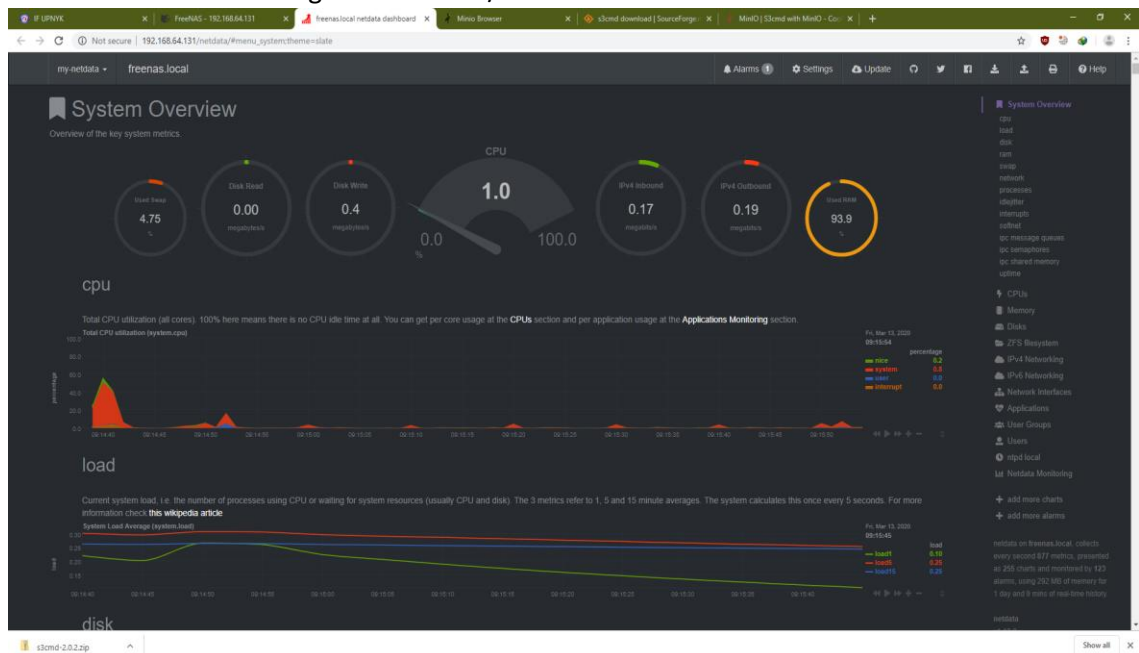
18. Dokumentasi <https://docs.min.io/docs/s3cmd-with-minio.html>

MONITORINGAN DENGAN NETDATA SERVICE

1. Login Ke Freenas, Cari Netdata, lalu aktifkan



- Klik Launch atau bisa dengan IPFREEENAS/netdata



- Dokumentasi <https://www.netdata.cloud/>

MENCOBA JAILS DENGAN TRANSMISSION

