

Nama : Donny Ariff Galih Samodra

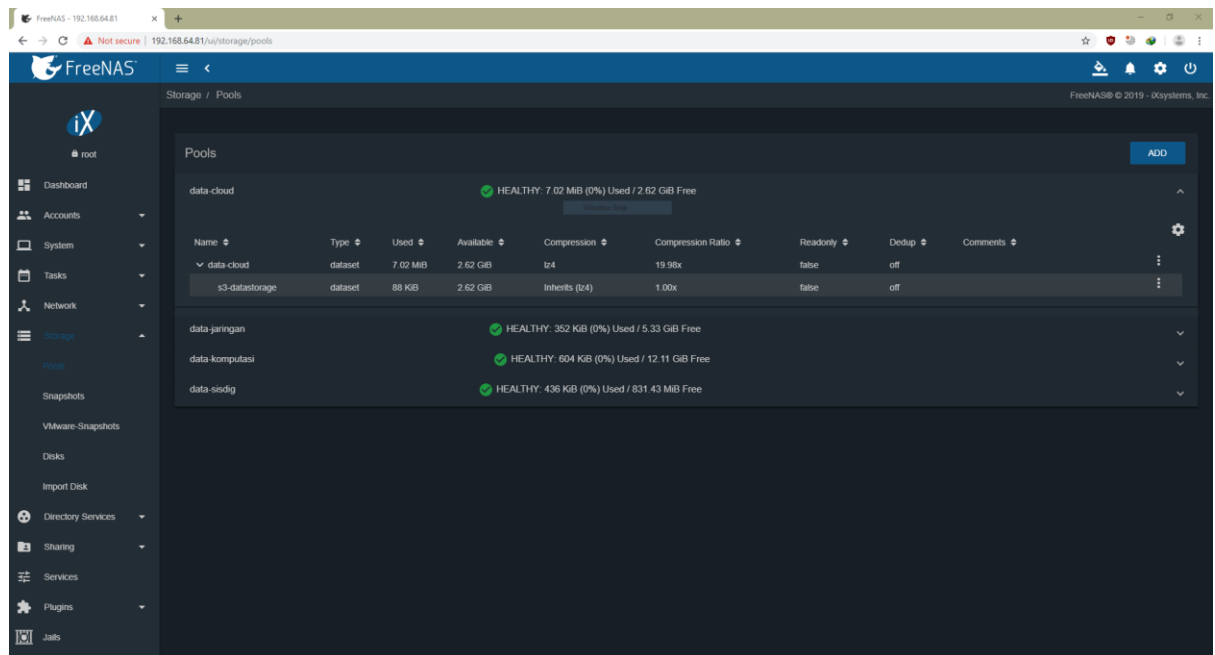
Nim : 123170045

S3 BUCKET

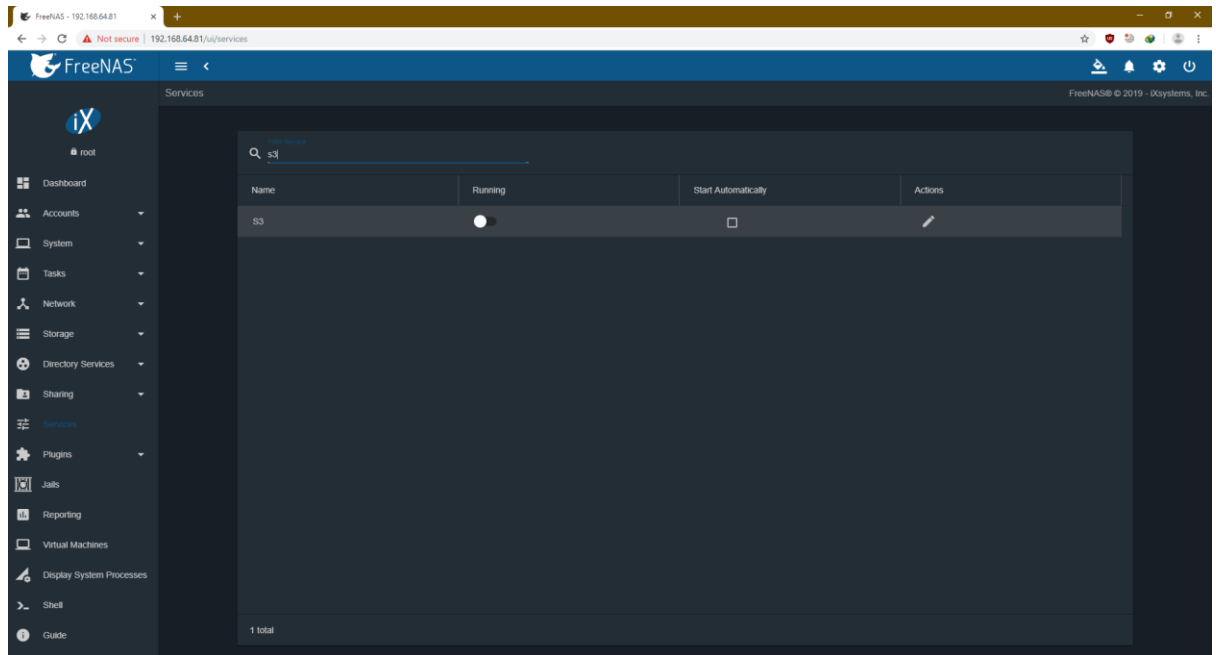
S3 bucket : penyimpanan yang dikhususkan pada objek-objek

Konfig s3 bucket service

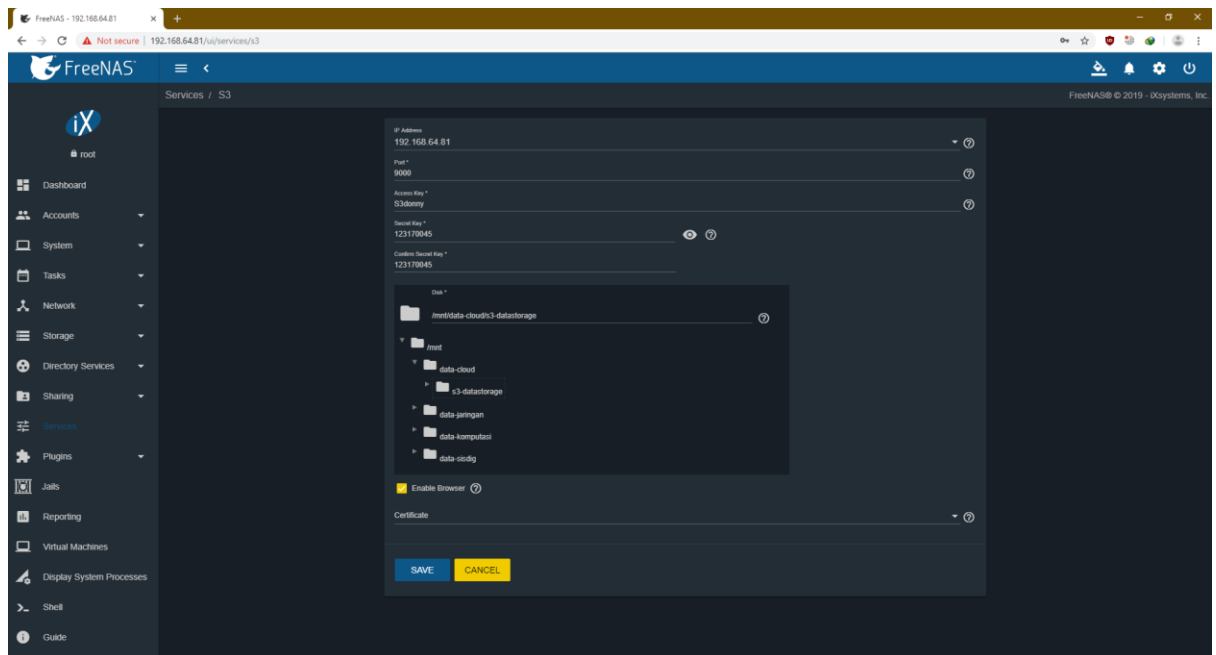
1. Login ke freenas
2. Masuk menu storage pool
 - a. Pada pool data-cloud
 - b. Pilih options
 - c. add dataset
3. Buat dataset baru
 - a. Beri nama s3-datastorage
 - b. Save



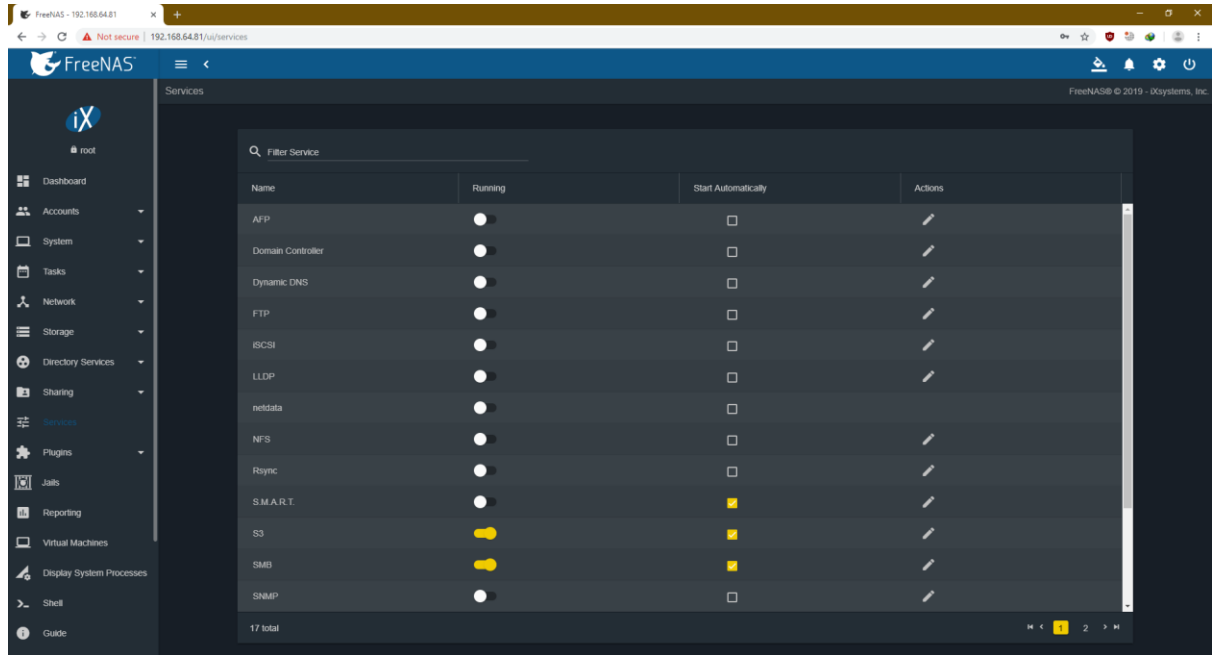
4. Masuk ke menu service
 - a. Ketik s3



- b. Klik configure/gambar pensil
 - c. Isi sesuai dibawah

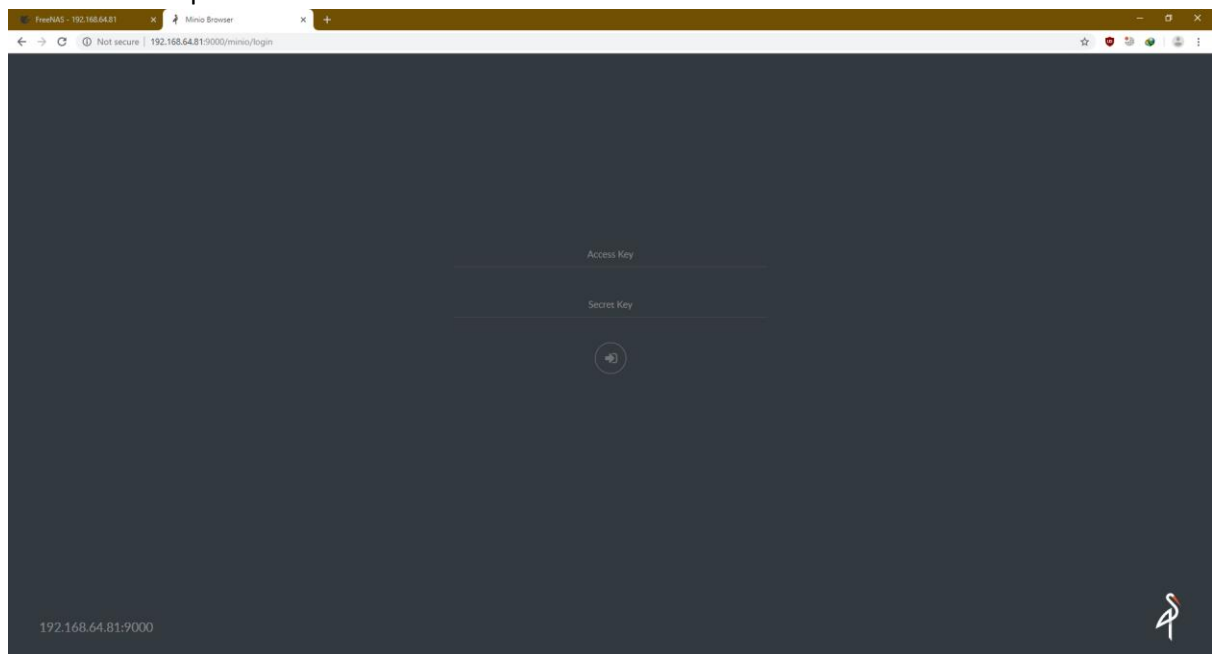


5. Running s3 nya , checklist autostart

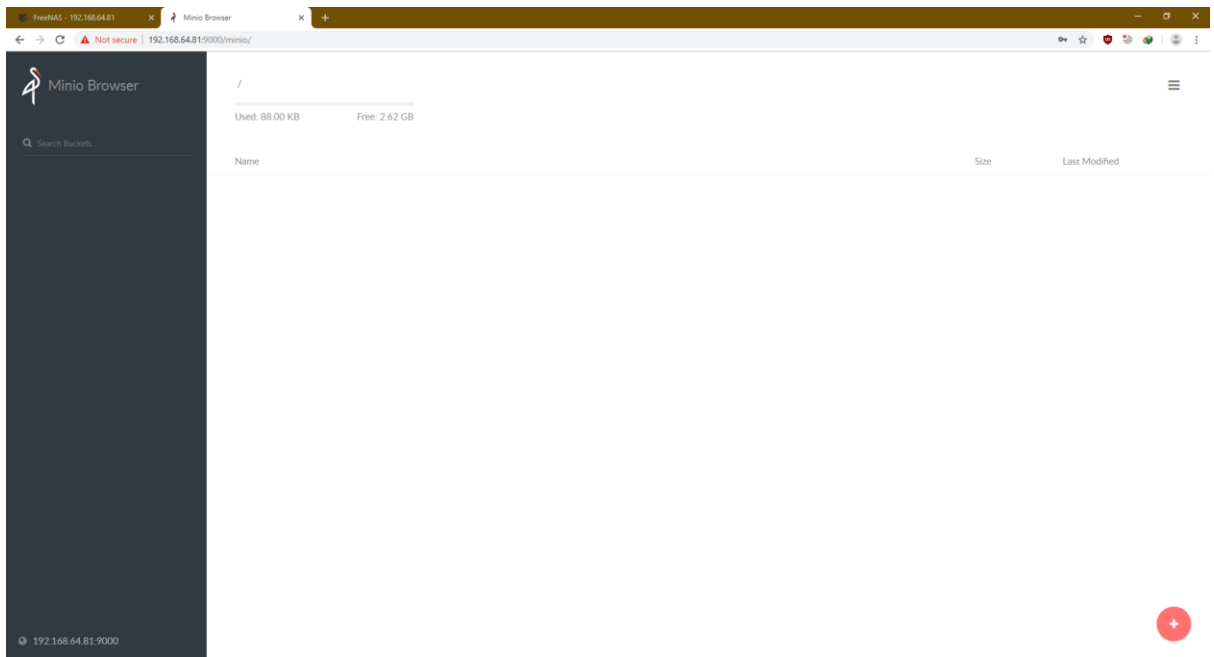


6. Akses s3

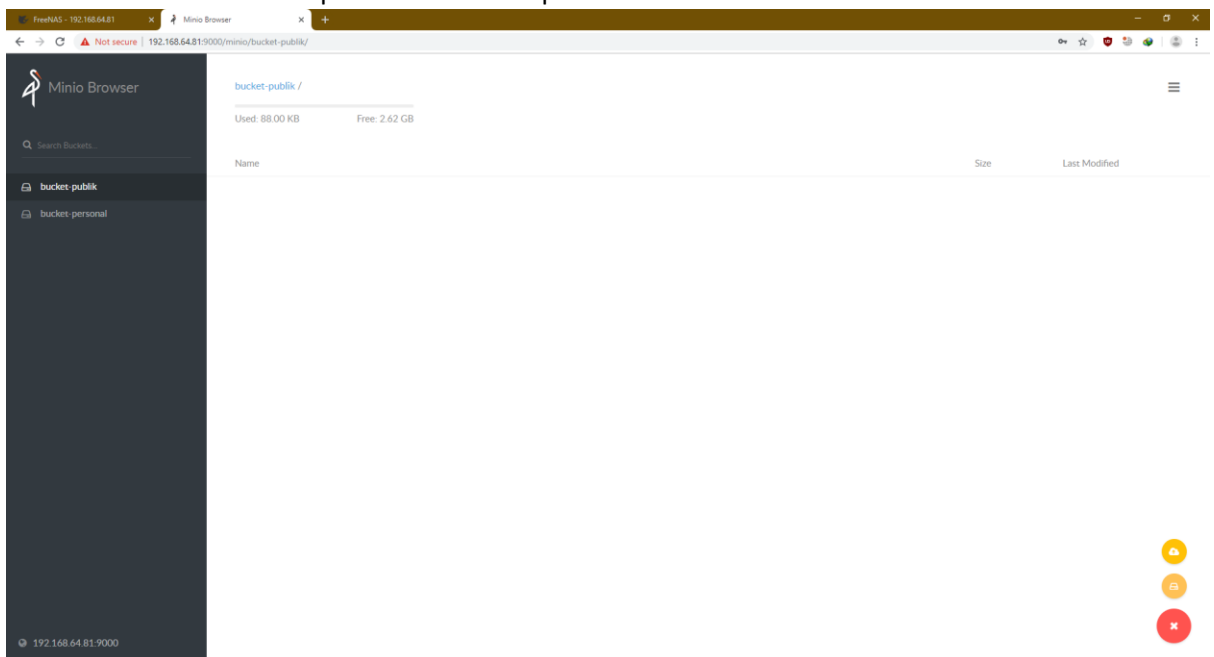
a. link -> ipfreenas:9000



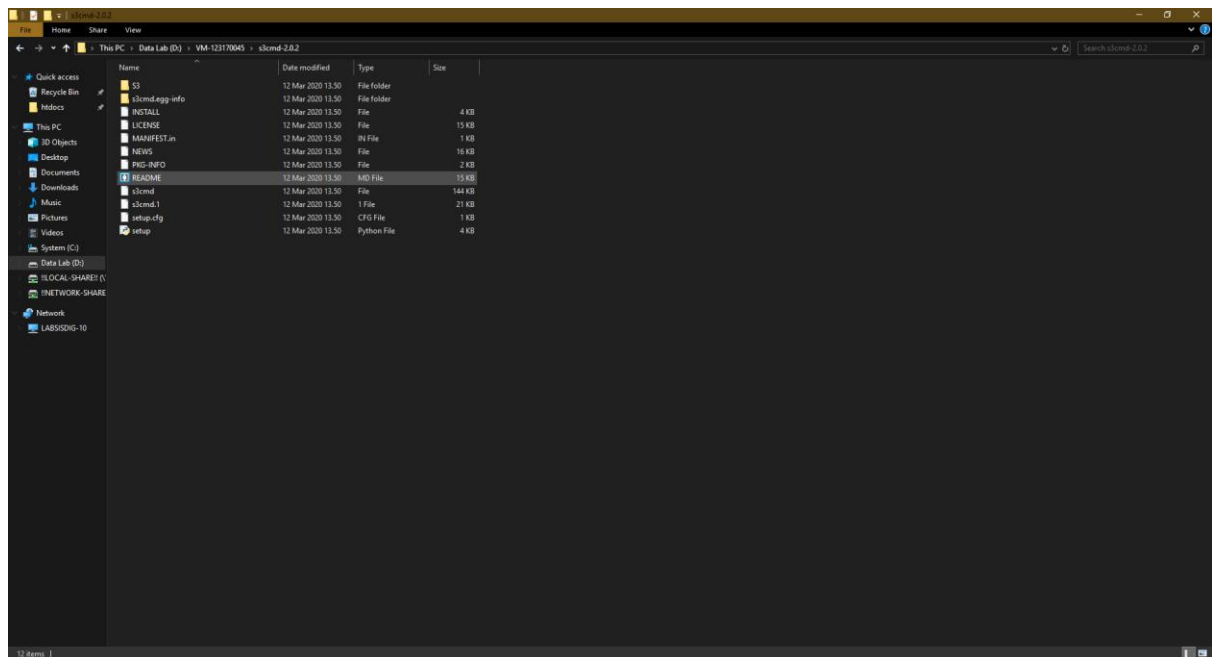
b. Jika sudah masuk



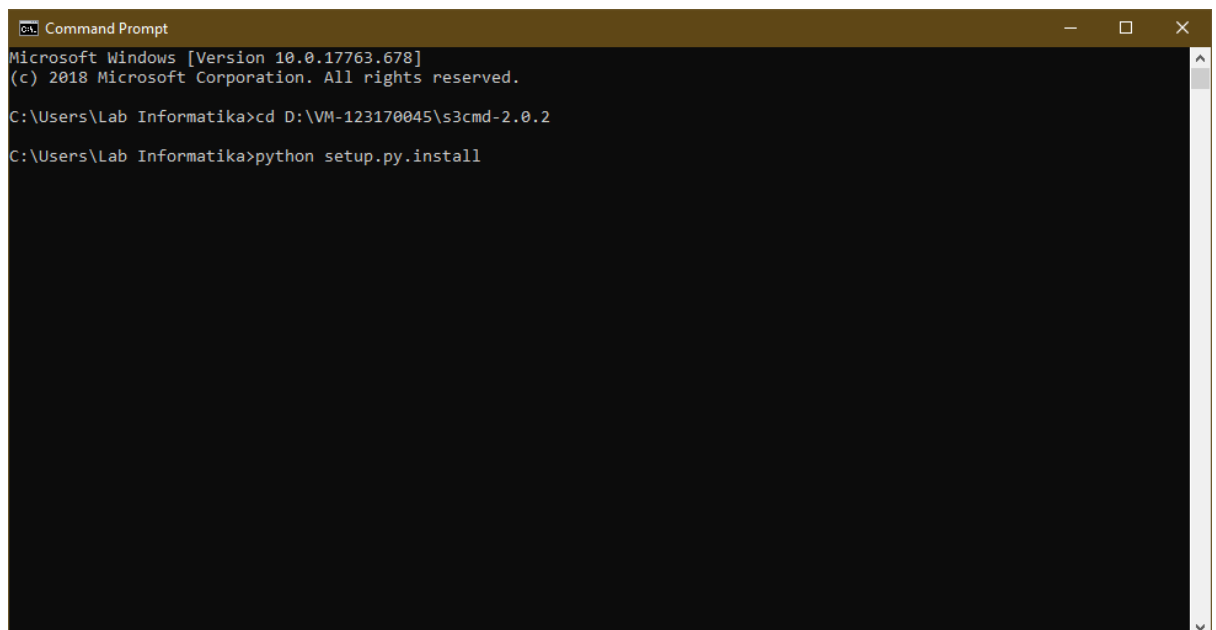
7. Buat bucket dengan klik (+) – create bucket
 - a. Beri nama bucket-publik dan bucket-personal



8. Coba s3 untuk upload data
- Buka <http://link.upnyk.ac.id/s3cmd> atau <https://s3tools.org/download> , akan otomatis download , lalu ekstrak ke folder vm – nim



9. Install s3cmd dengan python
- Buka cmd (admin)
 - Arahkan ke folder download
 - Ketik : `cd D:\VM-123170045\s3cmd-2.0.2`
 - Install dengan ketik `python setup.py.install`



10. Konfig s3cmd

- a. Ketik : `python s3cmd --configure`

```
Administrator: Command Prompt - python s3cmd --configure
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\requires.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/six-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-123170045\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:
```

- b. Masukkan access key , isi sesuai dibawah (jika salah ketik ctrl+c)

```
Select Administrator: Command Prompt

Access key and Secret key are your identifiers for Amazon S3. Leave them empty for using the env variables.
Access Key: S3donny
Secret Key: 123170045
Default Region [US]:

Use "s3.amazonaws.com" for S3 Endpoint and not modify it to the target Amazon S3.
S3 Endpoint [s3.amazonaws.com]: 192.168.64.81:9000

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]:

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: S3donny
  Secret Key: 123170045
  Default Region: US
  S3 Endpoint: 192.168.64.81:9000
  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 :-)
```

11. Coba perintah s3cmd

- Ketik : `python s3cmd ls` untuk melihat isi bucket

```
Administrator: Command Prompt
D:\VM-123170045\s3cmd-2.0.2>python s3cmd ls
2020-03-12 06:48 s3://bucket-personal
2020-03-12 06:48 s3://bucket-publik
D:\VM-123170045\s3cmd-2.0.2>
```

12. Dokumentasi

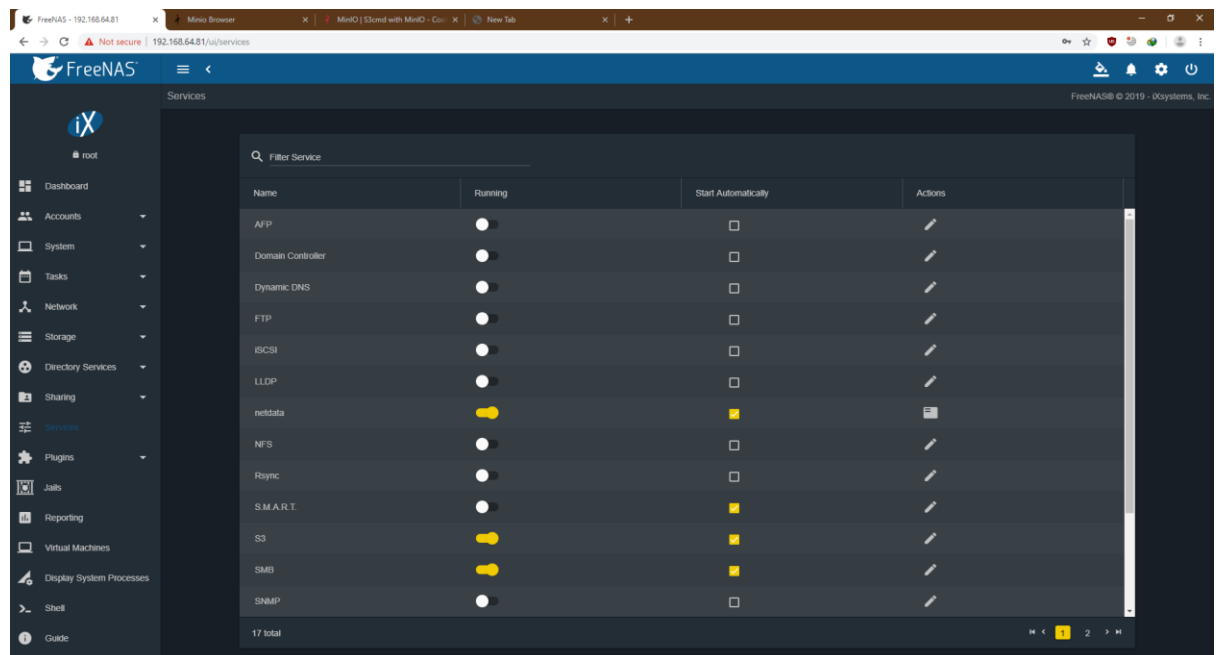
- Untuk dokumentasi buka <https://Docs.min.io/docs/s3cmd-with-minio.html>
- coba upload dan download file dengan perintah yang tersedia

13. upload file pada bucket

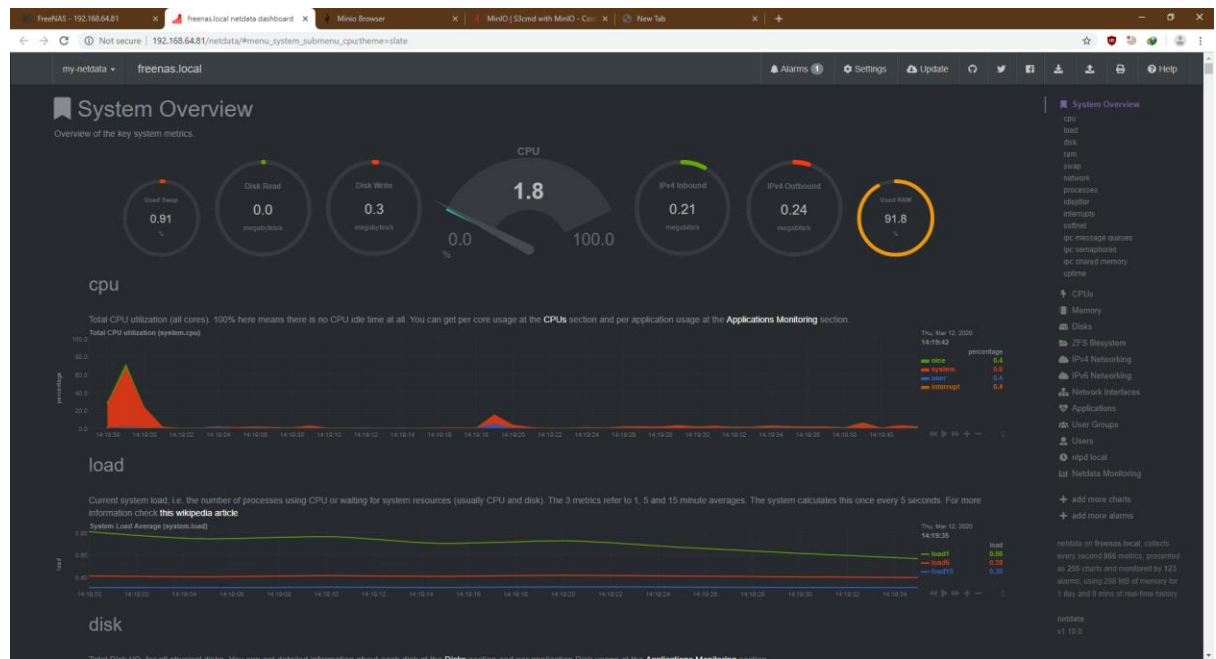
- ketik : `python s3cmd put namafile.txt s3://bucket-personal`

Monitor dengan Netdata Service

- netdata merupakan sistem layanan monitoring performa sistem secara real time
- konfig netdata
 - masuk menu service -> cri service dengan nama netdata



b. Tampilan (bisa dengan klik launch atau ketik ip.freenas/netdata)



3. dokumentasi netdata

a. <https://netdata.cloud>

Mencoba Jails dengan Transmission

Selain sbg file sharing , freenas juga dapat dipakai sebagai mesin downloader torrent dengan menggunakan aplikasi transmission

1. login dashboard
2. buat dataset baru
3. continue (bisa liat di yt)

Project

1. buat layanan lampp(wajib)
 - a. bberisikan tugas kp atau tugas kuliah yang ditransform ke ubuntu Lammpp
2. buat layanan docker
 - a. sama sprti pertama tapi diolah jd dalam bentuk docker . docker file diupload shg bisa dipakai orang lain
3. kombinasi layanan pada freenas
 - a. coba buat layanan CC yang mengkombinasikan service dan atau jails pada freenas(harus bisa buat layanan cloud untuk mengkoordinasikan beberapa service)
4. buat tugas sendiri