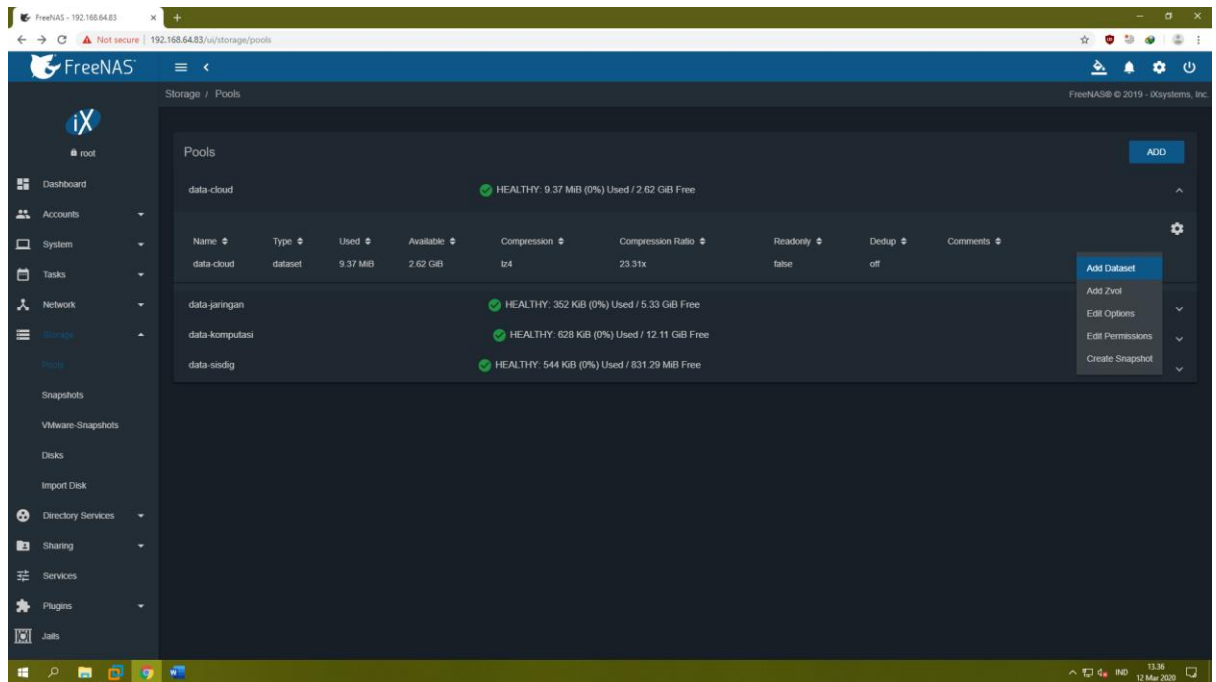


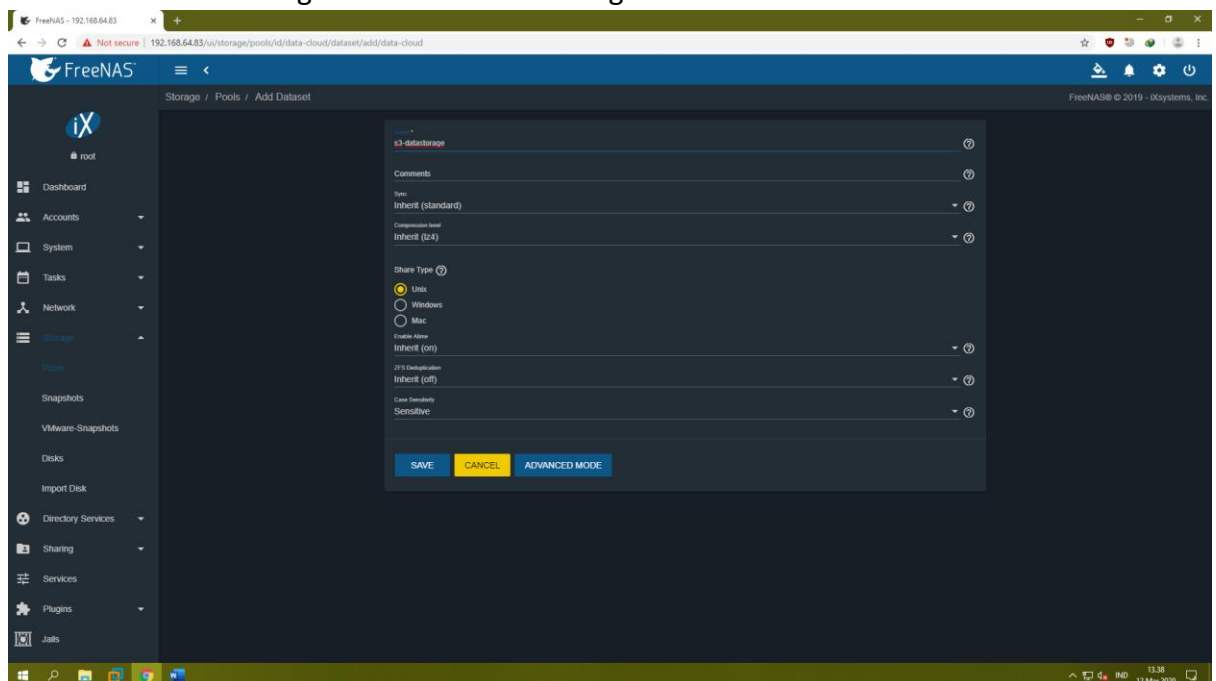
Konfigurasi S3 Bucket Service

Ayu Novira S. – 123170073

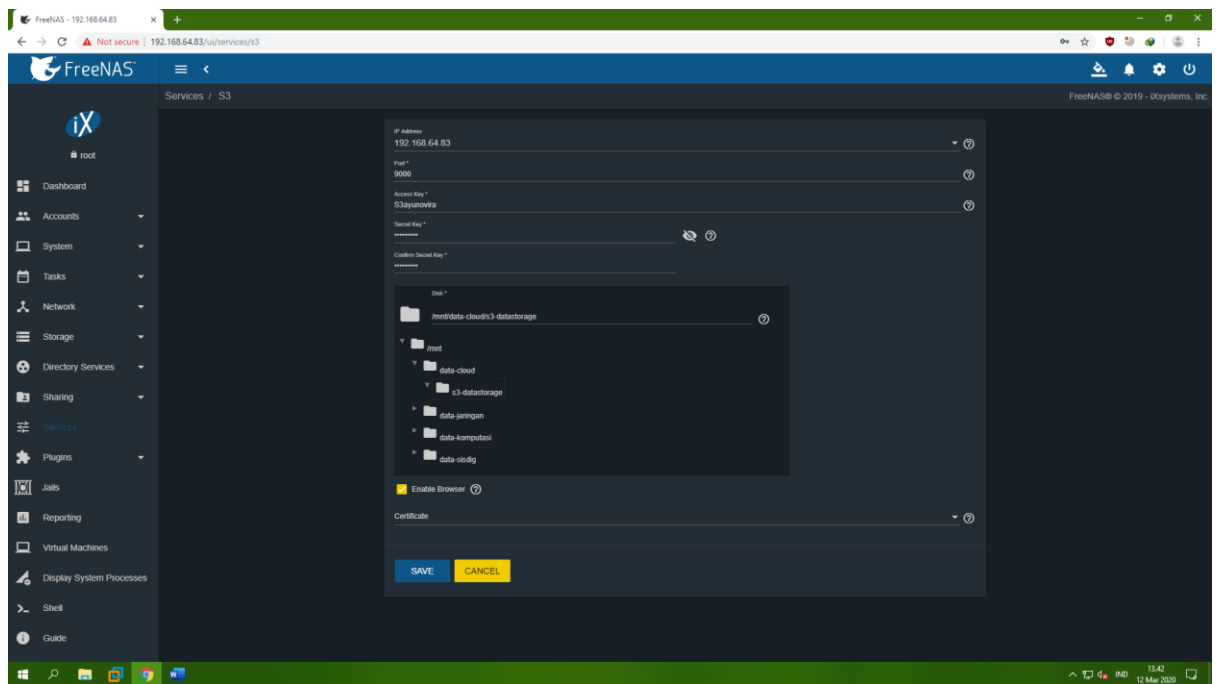
1. Login FreeNAS
2. Masuk menu storage Pool. Lalu pilih data-cloud, buka menu options dan pilih Add Dataset



3. Buat dataset baru dengan nama “s3-datastorage



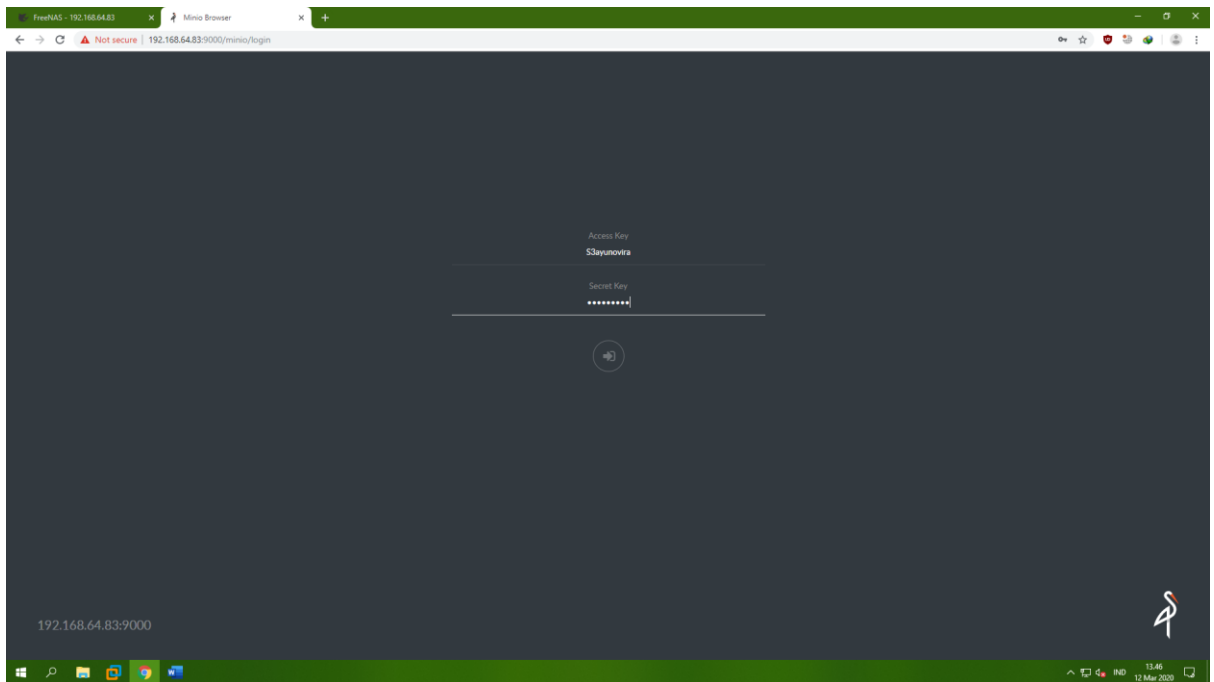
4. Masuk ke menu Services dan cari S3. Selanjutnya pilih config dan lakukan konfigurasi seperti berikut. Lalu klik save.



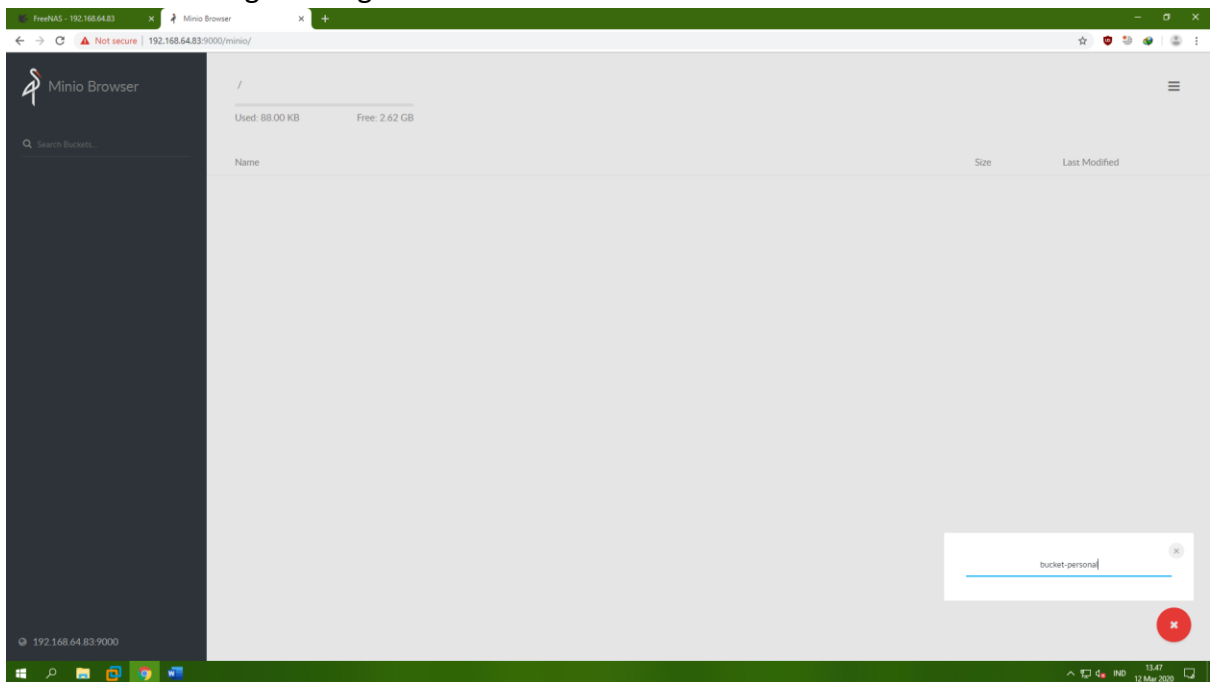
5. Aktivasi layanan S3 dengan cara geser pada bagian switch sampai statusnya berganti menjadi "Running".



6. Akses layanan S3 dengan MinIO Web Based <http://192.168.64.83:9000>. Lalu masukkan nickname dan password



7. Create bucket dengan mengklik tombol Add lalu Create Bucket



8. Instal s3cmd dengan cmd as admin
9. Working directory ke folder S3

```
Administrator: Command Prompt
Microsoft Windows [Version 10.0.17763.678]
(c) 2018 Microsoft Corporation. All rights reserved.

C:\Windows\system32>D:

D:\>cd VM-123170073

D:\VM-123170073>cd s3cmd-2.0.2

D:\VM-123170073\s3cmd-2.0.2>python setup.py install
Using xml.etree.ElementTree for XML processing
running install
running bdist_egg
running egg_info
writing s3cmd.egg-info\PKG-INFO
writing dependency_links to s3cmd.egg-info\dependency_links.txt
writing requirements to s3cmd.egg-info\requires.txt
writing top-level names to s3cmd.egg-info\top_level.txt
reading manifest file 's3cmd.egg-info\SOURCES.txt'
reading manifest template 'MANIFEST.in'
writing manifest file 's3cmd.egg-info\SOURCES.txt'
installing library code to build\bdist.win32\egg
running install_lib
running build_py
creating build
creating build\lib
creating build\lib\S3
copying S3\AccessLog.py -> build\lib\S3
copying S3\ACL.py -> build\lib\S3
copying S3\BidiMap.py -> build\lib\S3
```

10. Setelah instal selesai, konfigurasi s3cmd dengan mengetikkan : python s3cmd – configure

11. Lakukan konfigurasi seperti berikut.

```
Administrator: Command Prompt

Access key and Secret key are your identifiers for Amazon S3. Leave them empty for using the env variables.
Access Key: S3ayunovira
Secret Key: 123170073
Default Region [US]:

Use "s3.amazonaws.com" for S3 Endpoint and not modify it to the target Amazon S3.
S3 Endpoint [s3.amazonaws.com]: 192.168.64.83:9000

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: S3ayunovira
  Secret Key: 123170073
  Default Region: US
  S3 Endpoint: 192.168.64.83:9000
  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-123170073\s3cmd-2.0.2>
```

12. Mencoba perintah s3cmd dengan mengetikkan “python s3cmd ls” untuk melisting isi dari bucket pada s3 FreeNAS.

```
D:\VM-123170073\s3cmd-2.0.2>python s3cmd ls
2020-03-12 06:48 s3://bucket-personal
2020-03-12 06:48 s3://bucket-public
```

13. Dokumentasi s3cmd terdapat pada <https://docs.min.io/docs/s3cmd-with-minio.html>

KONFIGURASI NETDATA

1. Login dashbord NAS
2. Masuk ke menu services, pilih netdata lalu aktifkan.
3. Klik menu options maka akan tampil sebagai berikut. Dapat juga diakses dengan <http://IP/netdata>



4. Dokumentasi netdata terdapat di <https://www.netdata.cloud/>