

# TEKNOLOGI CLOUD COMPUTING

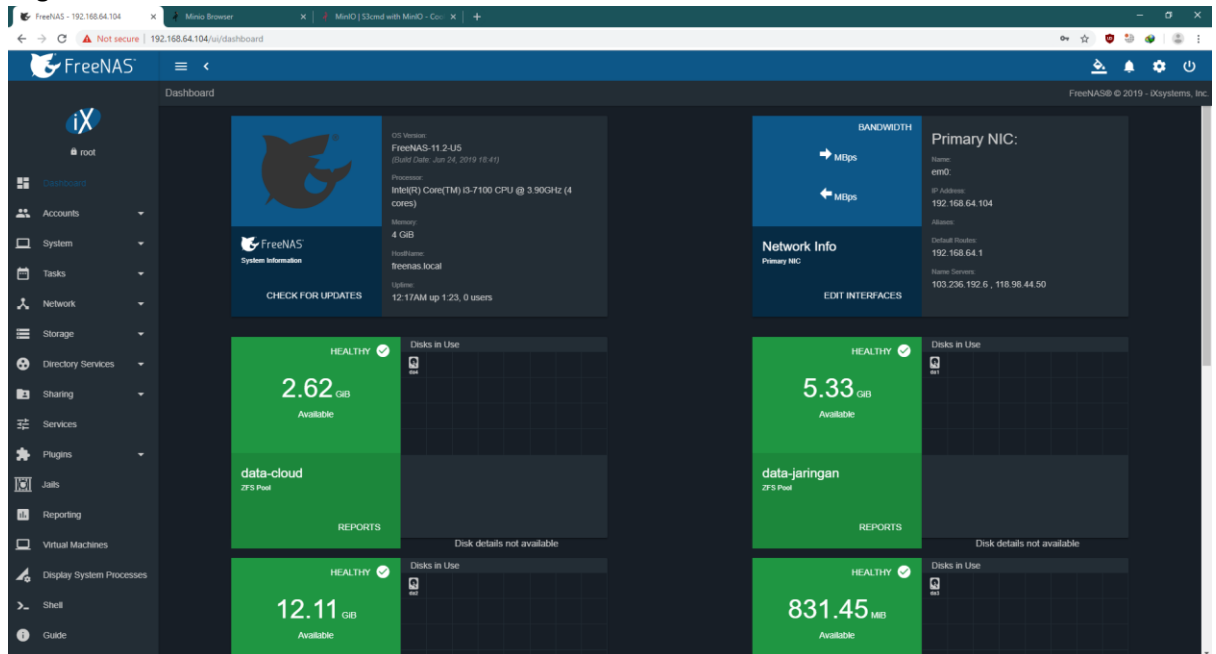
Nama : Septian Tejo Kusuma

NIM : 123170081

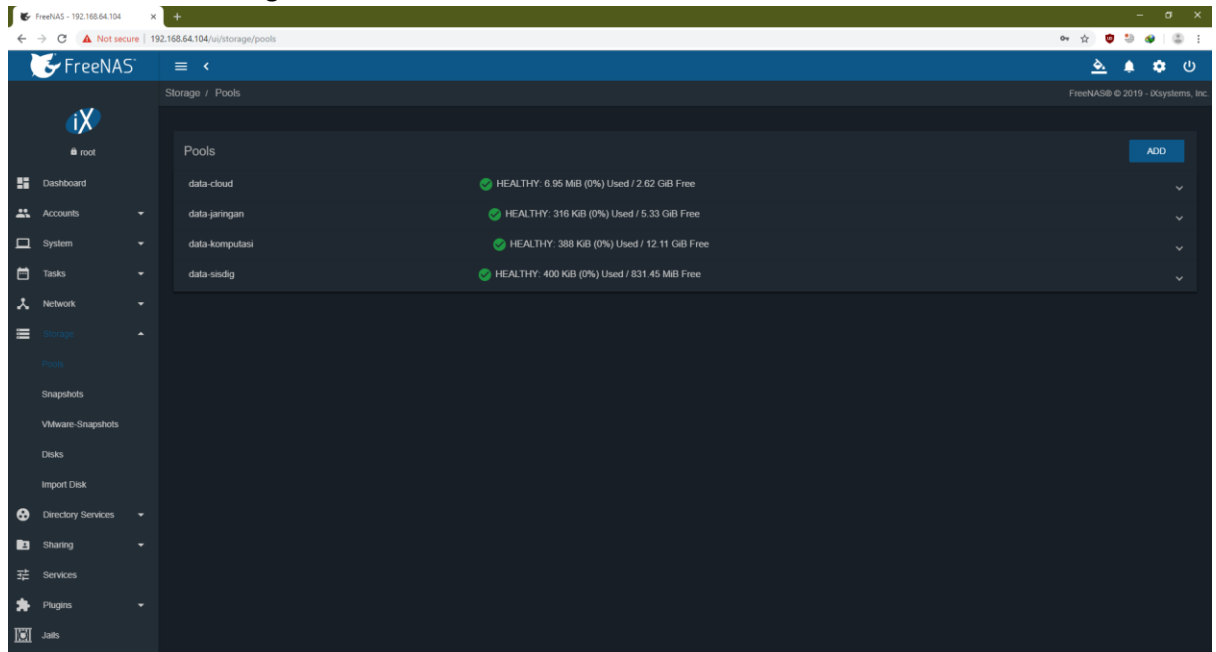
PLUG : A

## Konfigurasi S3 Bucket service

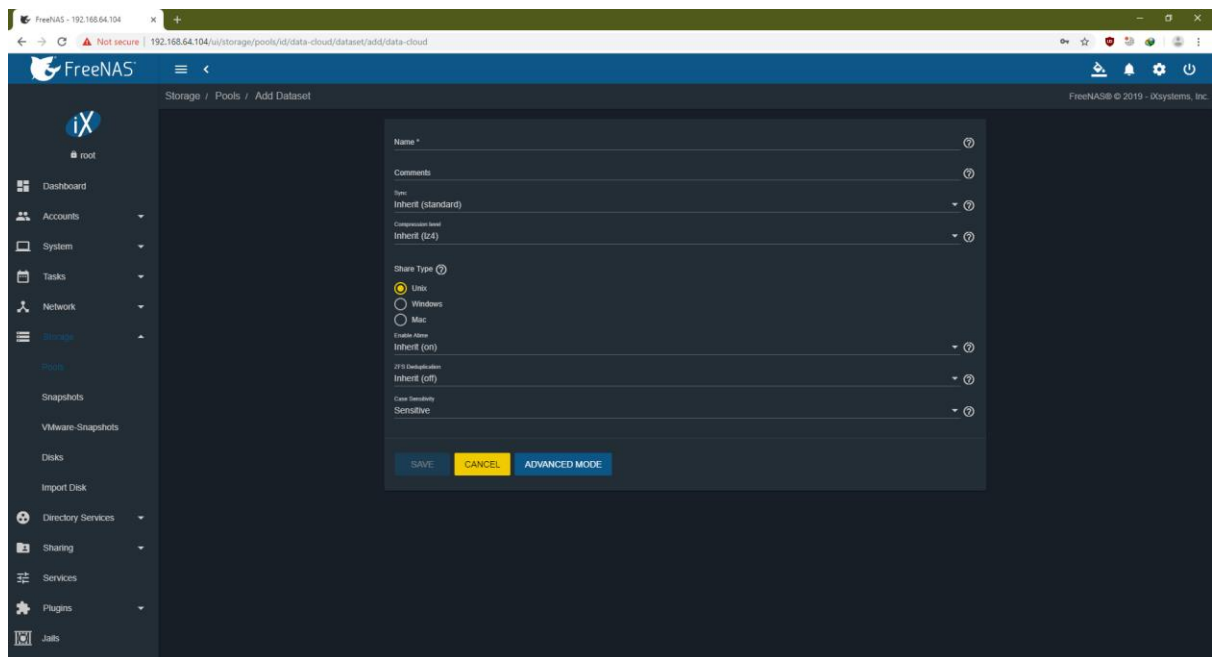
### 1. Login ke akun freenas



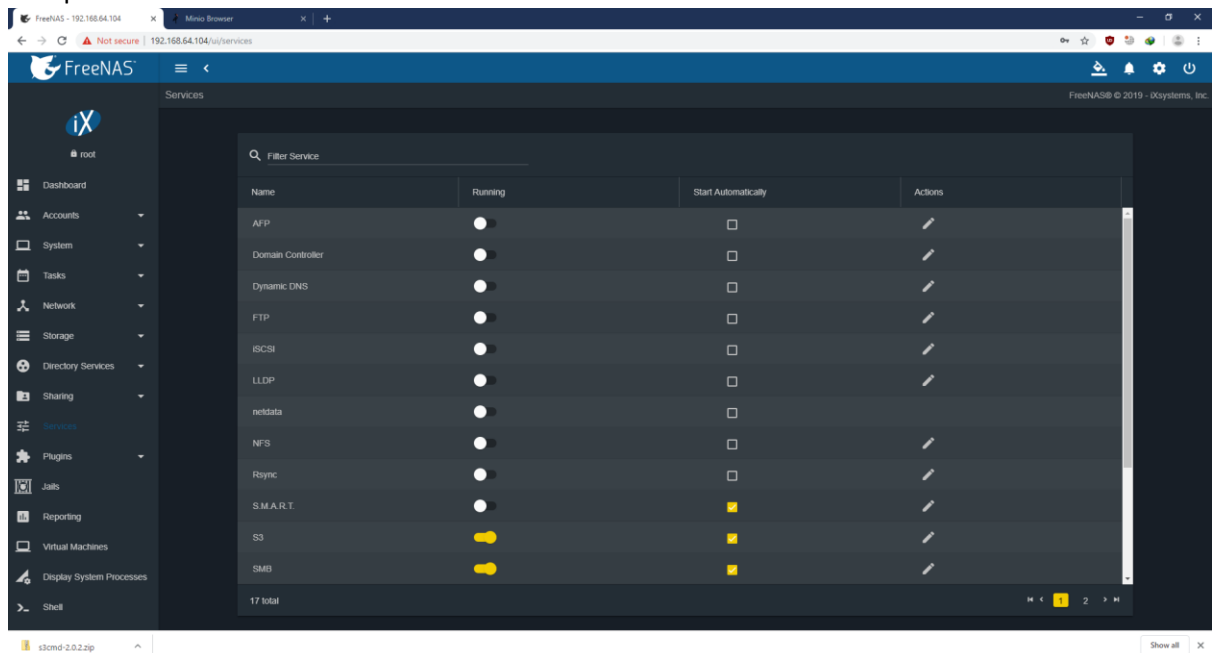
### 2. Masuk ke menu storage



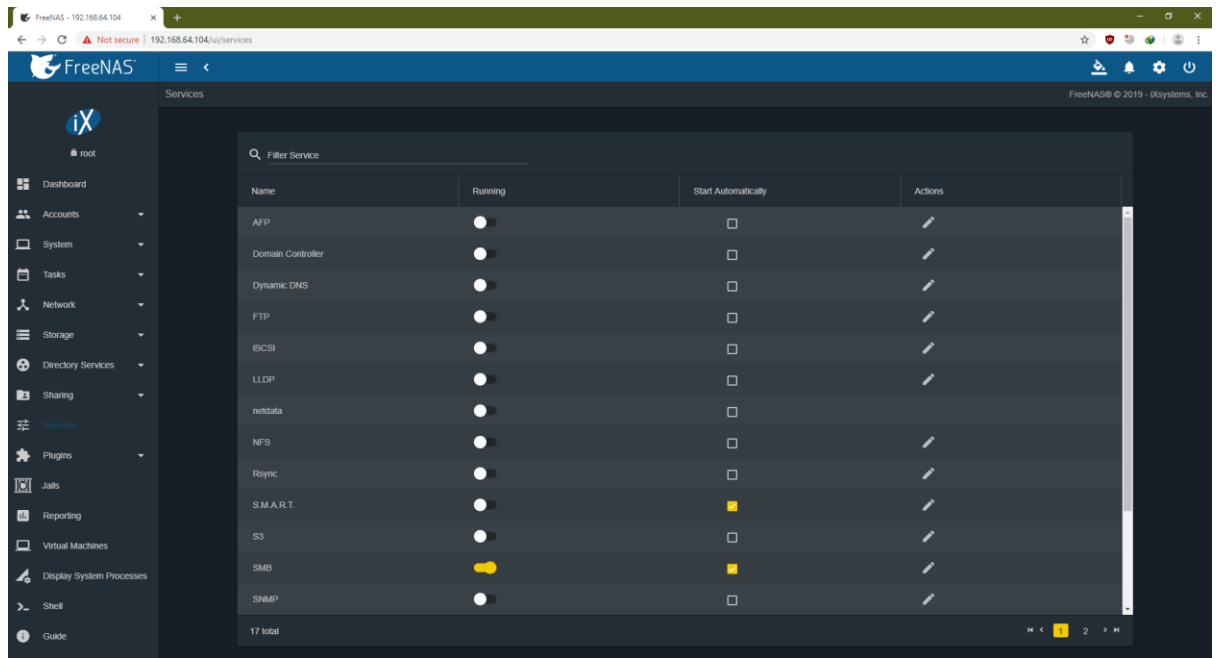
### 3. Buat dataset baru



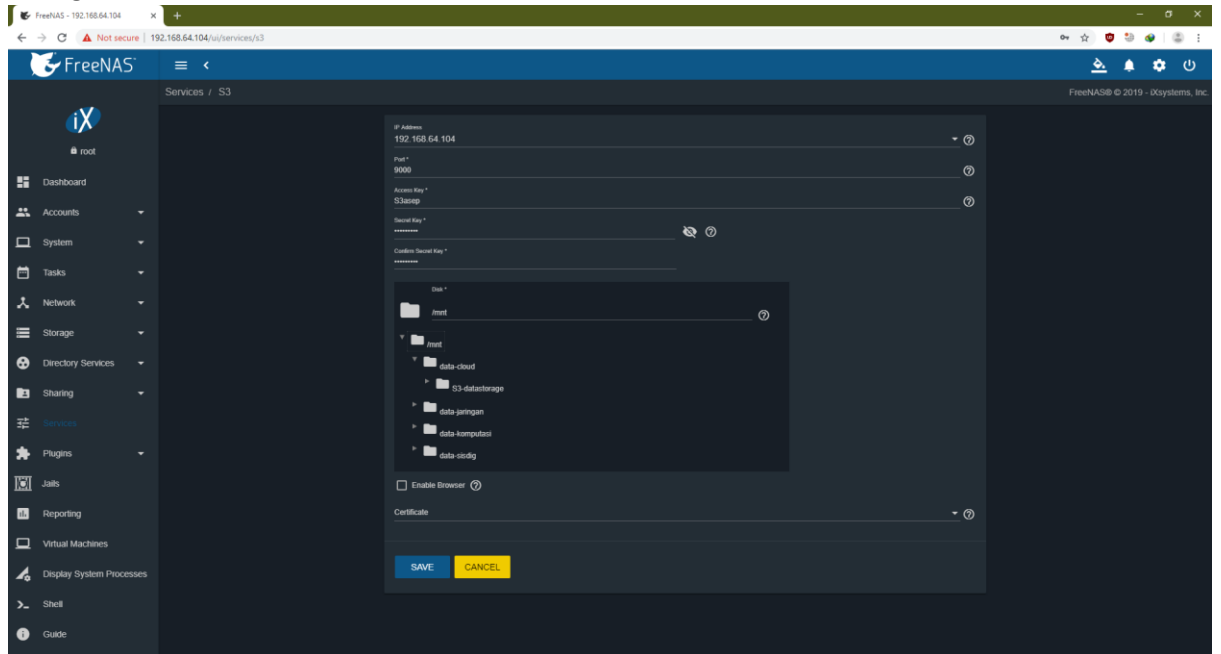
4. Lalu pindah ke service



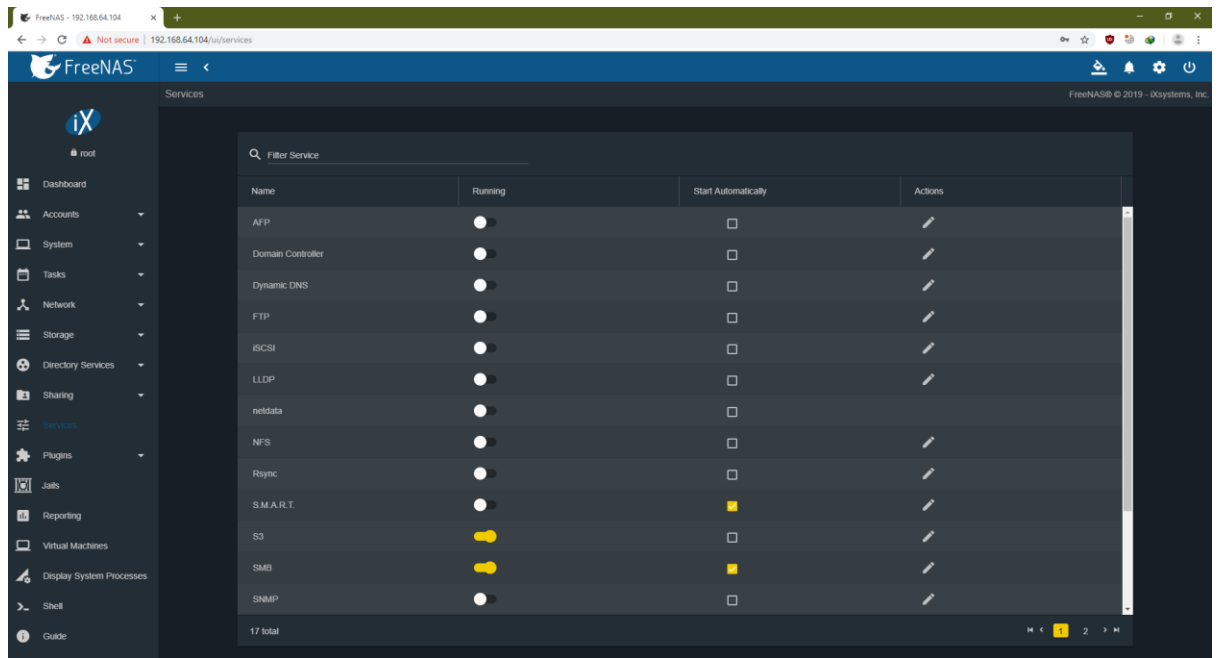
5. Masuk ke menu service



## 6. Konfigurasi s3 service



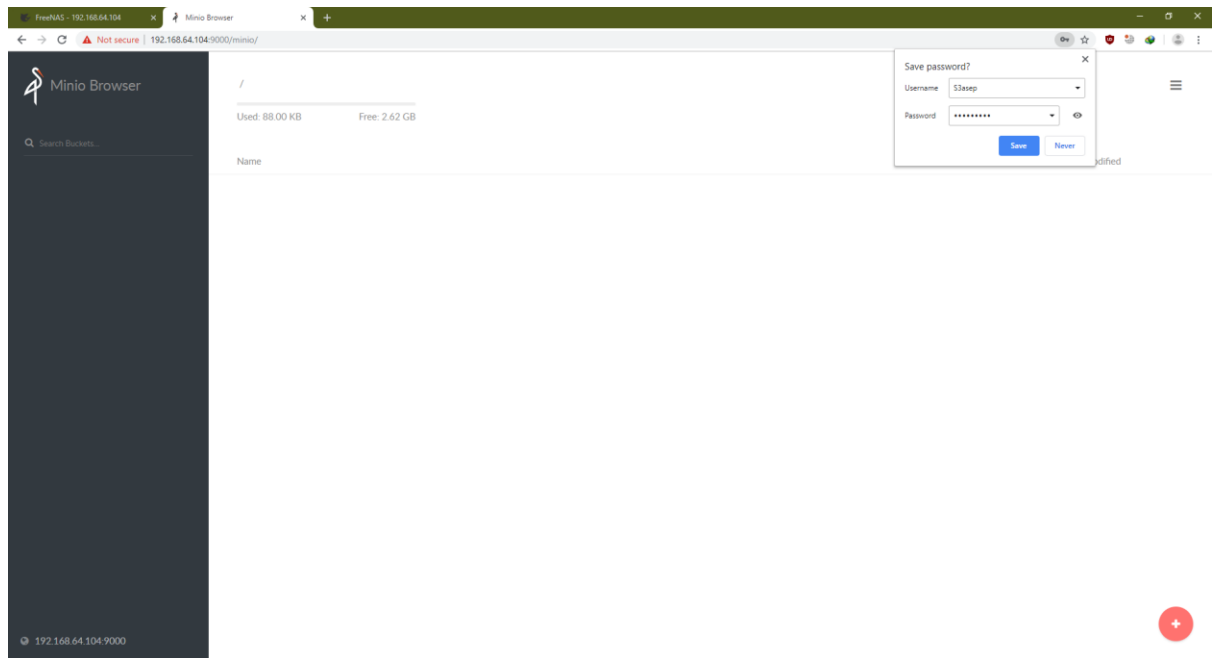
## 7. Aktivasi layanan S3



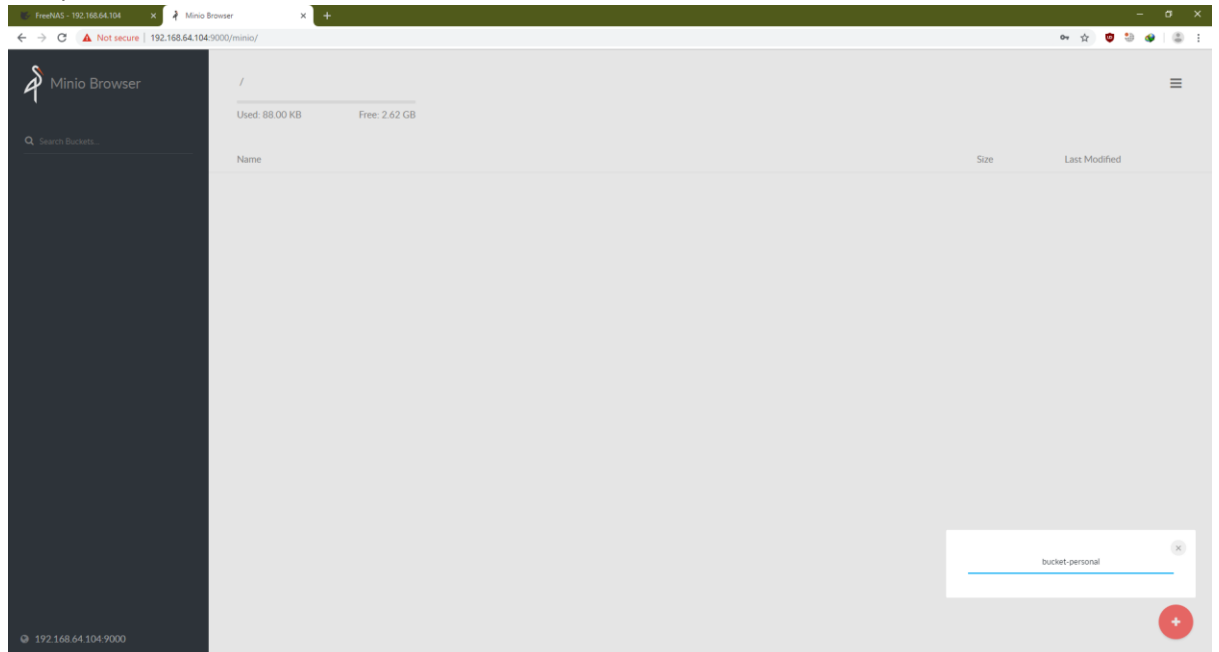
## 8. AKSES LAYANAN S3 DENGAN minIO web based



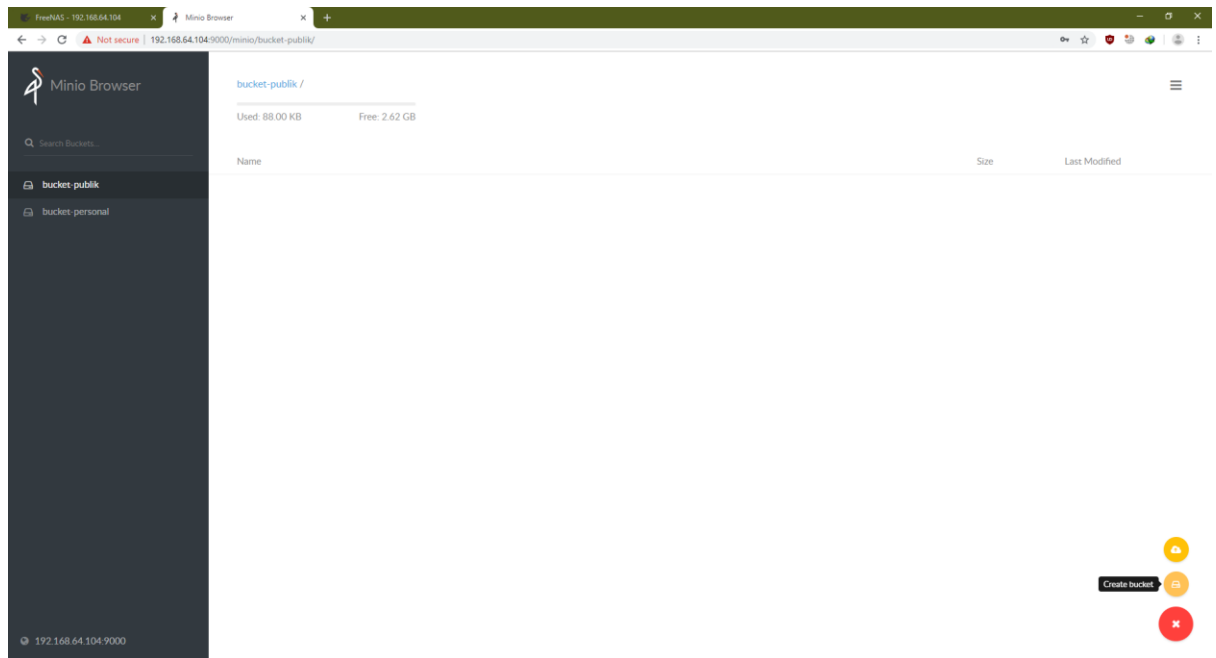
## 9. Login dengan minIO



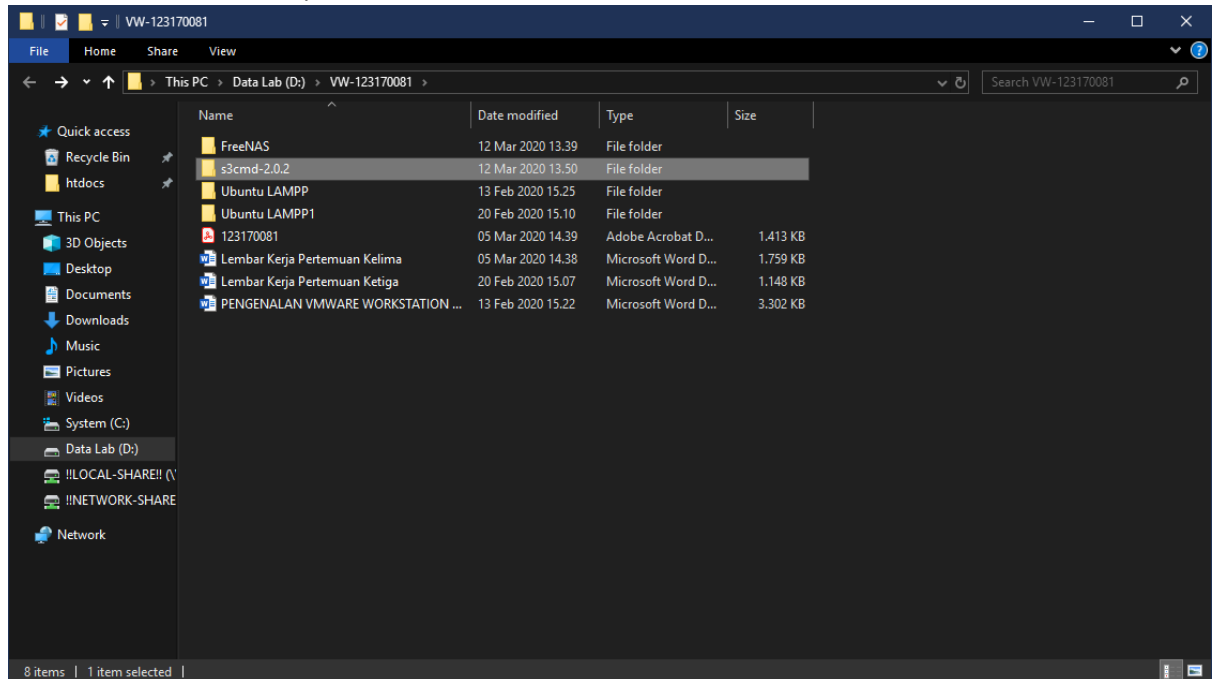
10. Tampilan dashboard miniO



11. Hasil pembuatan bucket



## 12. Mencoba s3cmd untuk upload data



## 13. Install s3cmd dengan python



```
Administrator: Command Prompt - python setup.py install
copying build\scripts-3.7\s3cmd -> build\bdist.win32\egg\EGG-INFO\scripts
copying s3cmd.egg-info\PKG-INFO -> build\bdist.win32\egg\EGG-INFO
copying s3cmd.egg-info\SOURCES.txt -> build\bdist.win32\egg\EGG-INFO
copying s3cmd.egg-info\dependency_links.txt -> build\bdist.win32\egg\EGG-INFO
copying s3cmd.egg-info\requires.txt -> build\bdist.win32\egg\EGG-INFO
copying s3cmd.egg-info\top_level.txt -> build\bdist.win32\egg\EGG-INFO
zip_safe flag not set; analyzing archive contents...
creating dist
creating 'dist\s3cmd-2.0.2-py3.7.egg' and adding 'build\bdist.win32\egg' to it
removing 'build\bdist.win32\egg' (and everything under it)
Processing s3cmd-2.0.2-py3.7.egg
Copying s3cmd-2.0.2-py3.7.egg to c:\program files (x86)\python37-32\lib\site-packages
Adding s3cmd 2.0.2 to easy-install.pth file
Installing s3cmd script to C:\Program Files (x86)\Python37-32\Scripts

Installed c:\program files (x86)\python37-32\lib\site-packages\s3cmd-2.0.2-py3.7.egg
Processing dependencies for s3cmd==2.0.2
Searching for python-magic
Reading https://pypi.org/simple/python-magic/
Downloading https://files.pythonhosted.org/packages/42/a1/76d30c79992e3750dac6790ce16f056f870d368ba142f83f75f694d93001/p
ython_magic-0.4.15-py2.py3-none-any.whl#sha256=f2674dcfad52ae6c49d4803fa027809540b130db1dec928cfbb9240316831375
Best match: python-magic 0.4.15
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/
```

## 16. Konfigurasi s3cmd

```
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
ython_dateutil-2.8.1-py2.py3-none-any.whl#sha256=75bb3f31ea86f1197762692a9ee6a7550b59fc6ca3a1f4b5d7e32fb98e2da2a
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=8f3cd2e254d8f793e7f3d6d9d77b92252b52637291d0f0da013c76ea2724b6c
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:\VW-123170081\s3cmd-2.0.2>python s3cmd --configure
```

## 17. Parameter konfigurasi



```
Administrator: Command Prompt - python s3cmd --configure
Finished processing dependencies for s3cmd==2.0.2

D:\VW-123170081\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: S3asep
Secret Key: 123170081
Default Region [US]:

Use "s3.amazonaws.com" for S3 Endpoint and not modify it to the target Amazon S3.
S3 Endpoint [s3.amazonaws.com]: 192.168.64.104:9000

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
```

```
Administrator: Command Prompt
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: S3asep
  Secret Key: 123170081
  Default Region: US
  S3 Endpoint: 192.168.64.104:9000
  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:\VW-123170081\s3cmd-2.0.2>
```

## 19. Mencoba perintah s3cmd

```
Administrator: Command Prompt
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: S3asep
  Secret Key: 123170081
  Default Region: US
  S3 Endpoint: 192.168.64.104:9000
  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:\VW-123170081\s3cmd-2.0.2>python s3cmd ls
```

```
Administrator: Command Prompt
Try setting it here if you can't connect to S3 directly
HTTP Proxy server name:

New settings:
  Access Key: S3asep
  Secret Key: 123170081
  Default Region: US
  S3 Endpoint: 192.168.64.104:9000
  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 :-)
```

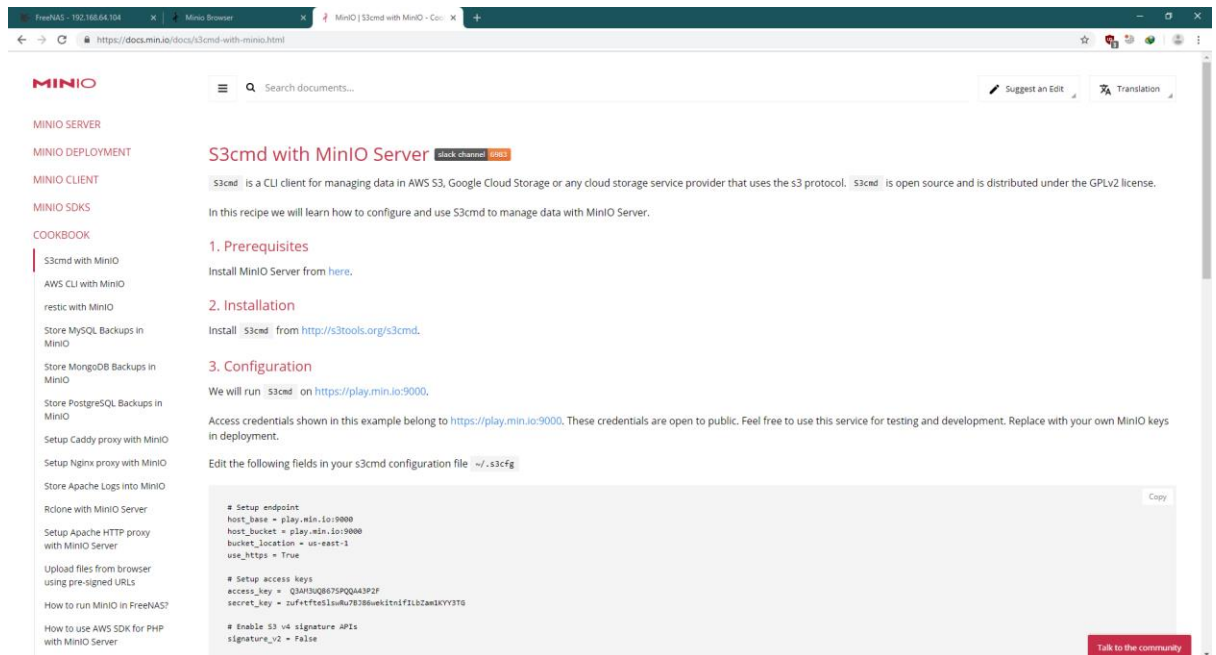
```
Now verifying that encryption works...
Not configured. Never mind.

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

D:\VW-123170081\s3cmd-2.0.2>python s3cmd ls
2020-03-12 06:50 s3:///bucket-personal
2020-03-12 06:50 s3:///bucket-publik

D:\VW-123170081\s3cmd-2.0.2>
```

20. Dokumentasi s3cmd (<https://docs.min.io/docs/s3cmd-with-minio.html>)



## 21. Perintah upload file pada bucket

```
Administrator: Command Prompt

Try setting it here if you can't connect to S3 directly
HTTP Proxy server name:

New settings:
Access Key: S3asep
Secret Key: 123170081
Default Region: US
S3 Endpoint: 192.168.64.104:9000
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.

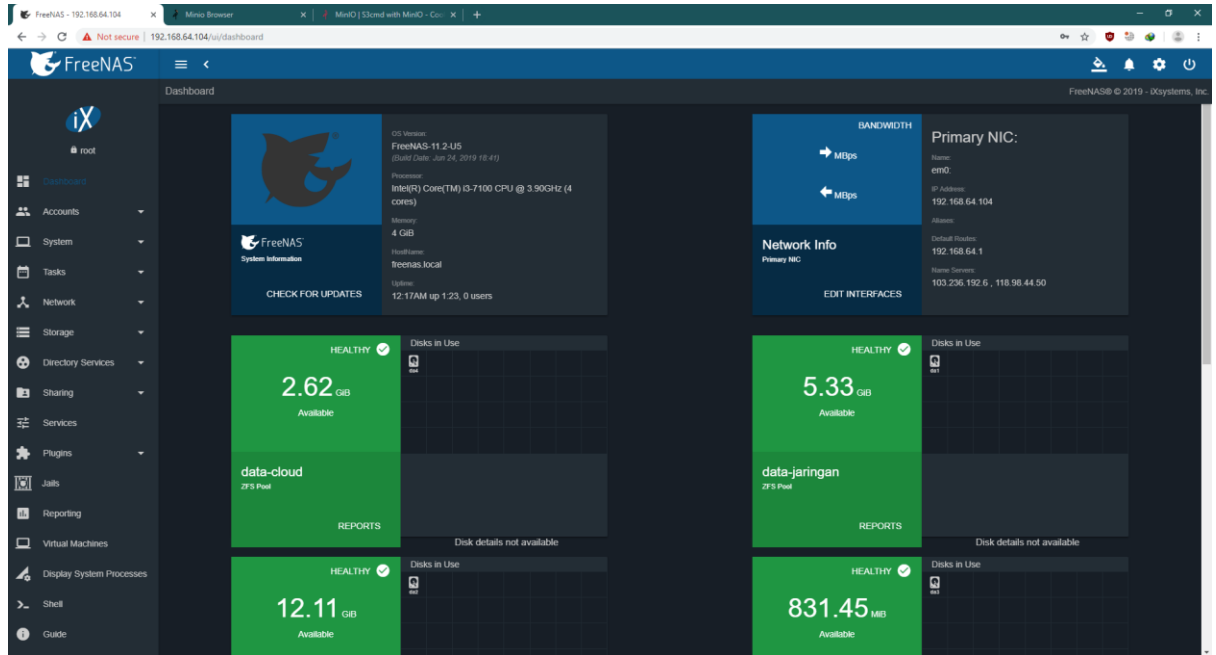
Save settings? [y/N] Y
Configuration saved to 'C:\Users\Lab Informatika\AppData\Roaming\s3cmd.ini'

D:\VW-123170081\s3cmd-2.0.2>python s3cmd ls
2020-03-12 06:50 s3://bucket-personal
2020-03-12 06:50 s3://bucket-publik

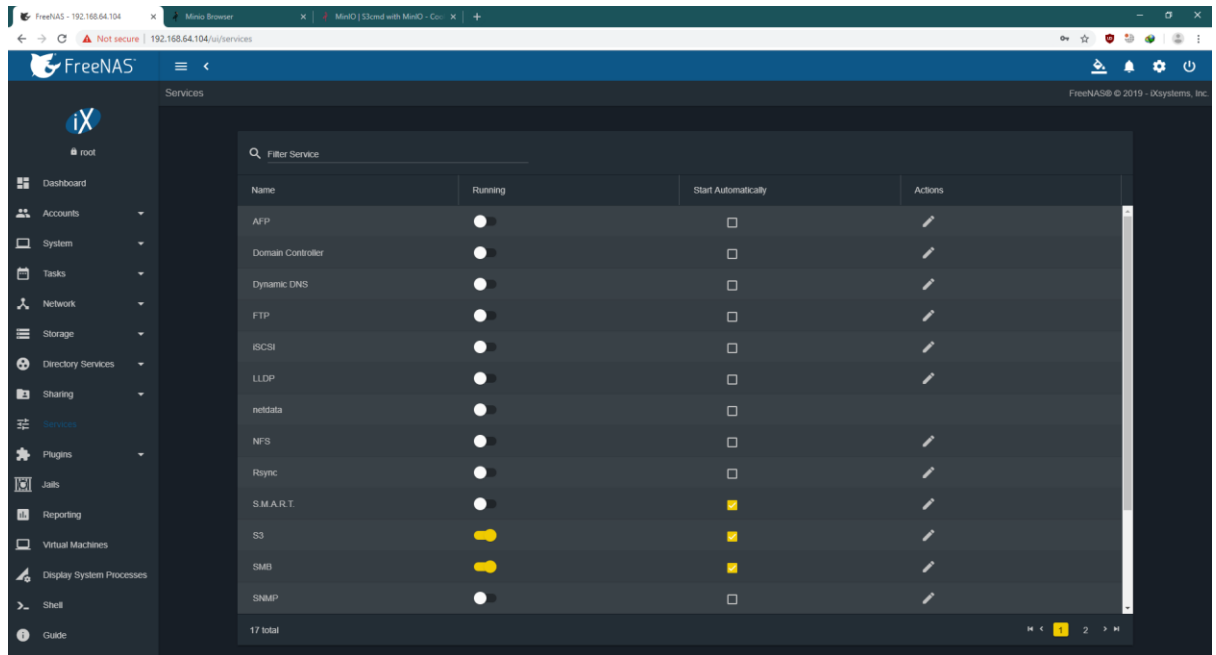
D:\VW-123170081\s3cmd-2.0.2>s3://bucket-personal_
```

# KONFIGURASI NETDATA

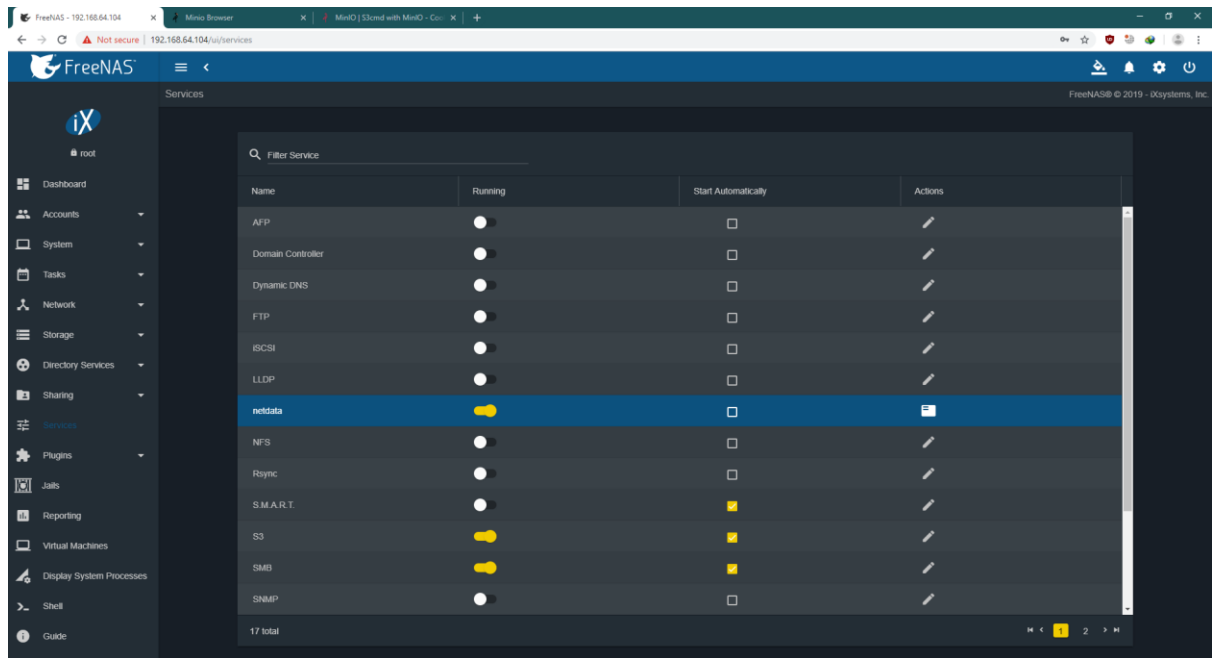
## 1. Login freenas



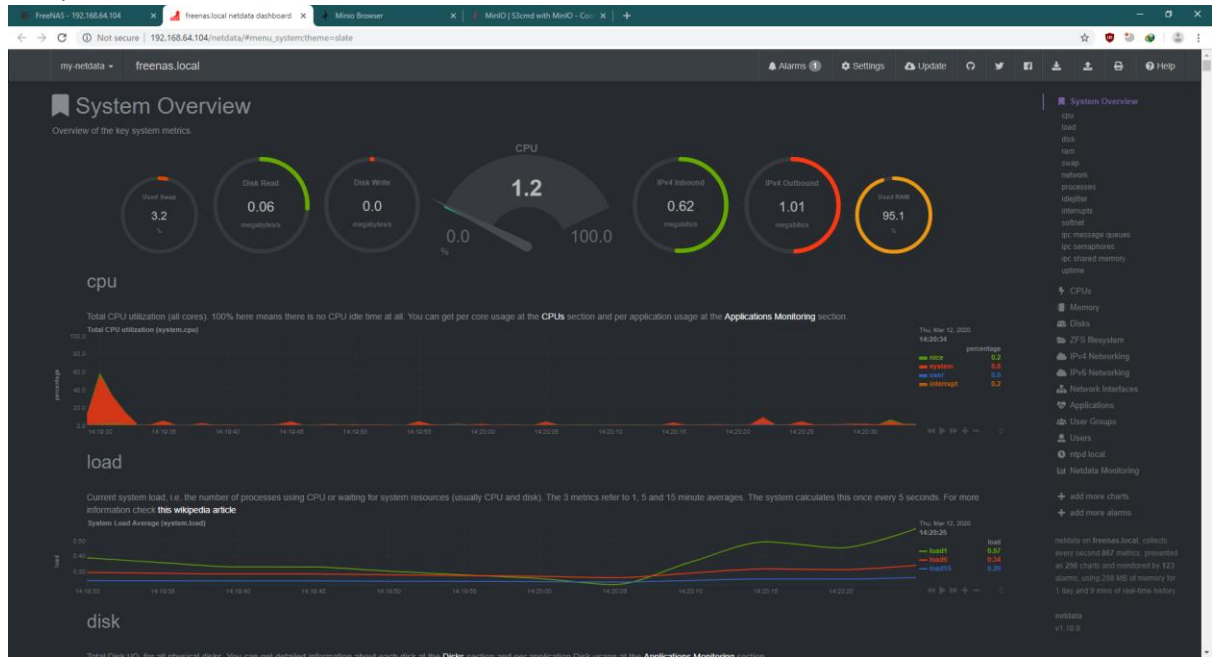
## 2. Masuk menu service



## 3. Nyalakan service netdata, jangan lupa diceklis di kotak



#### 4. Tampilan NETDATA



#### 5. Dokumentasi netdata (<https://netdata.cloud/>)

