

Nama: Fahmi Reza P

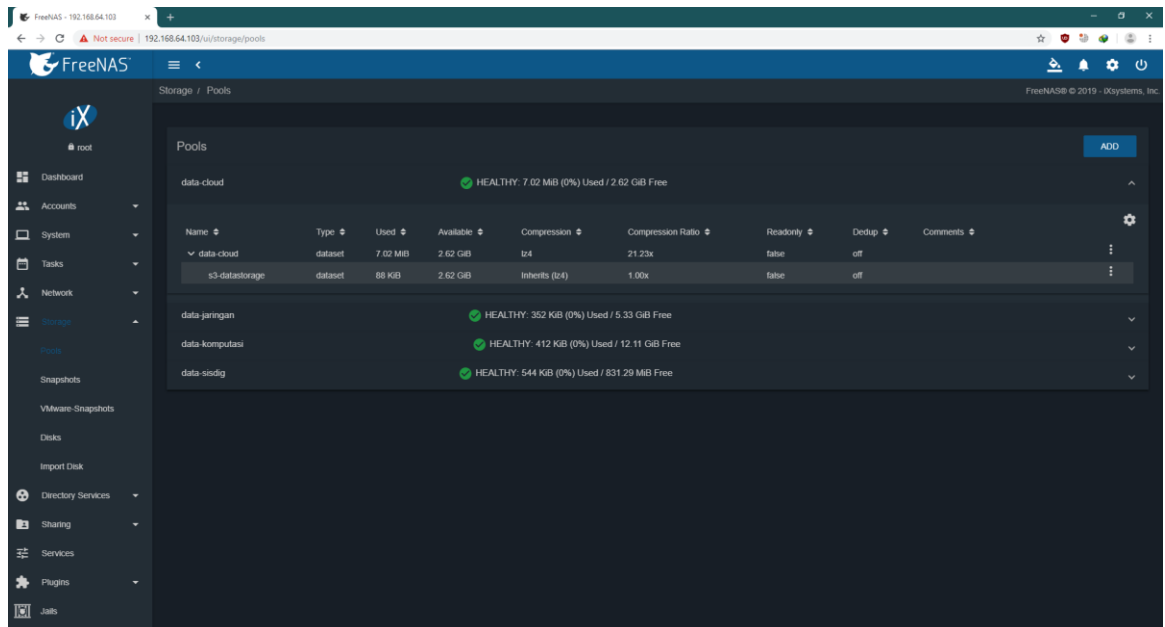
NIM: 123170068

Kelas: Praktikum TCC (C)

Konfigurasi Layanan Cloud Computing Pada FreeNAS

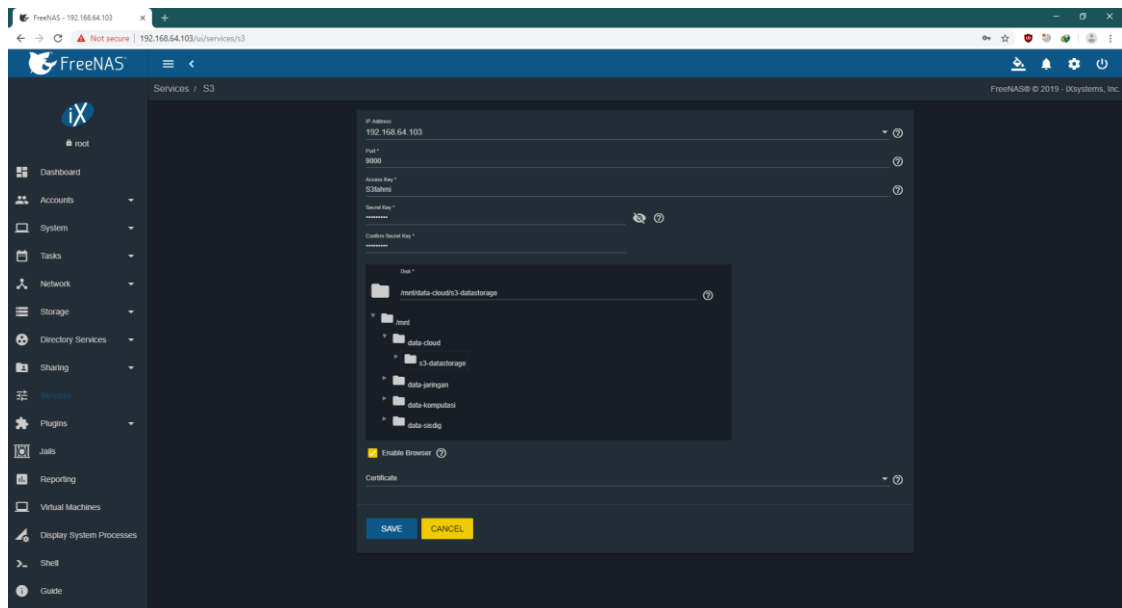
Langkah Konfigurasi S3 Bucket Service

1. Login Dashboard FreeNas
2. Masuk menu Storage Pool -> pada pool data cloud pilih Add Dataset
3. Buat data set baru
4. Hasil pembuatan data set

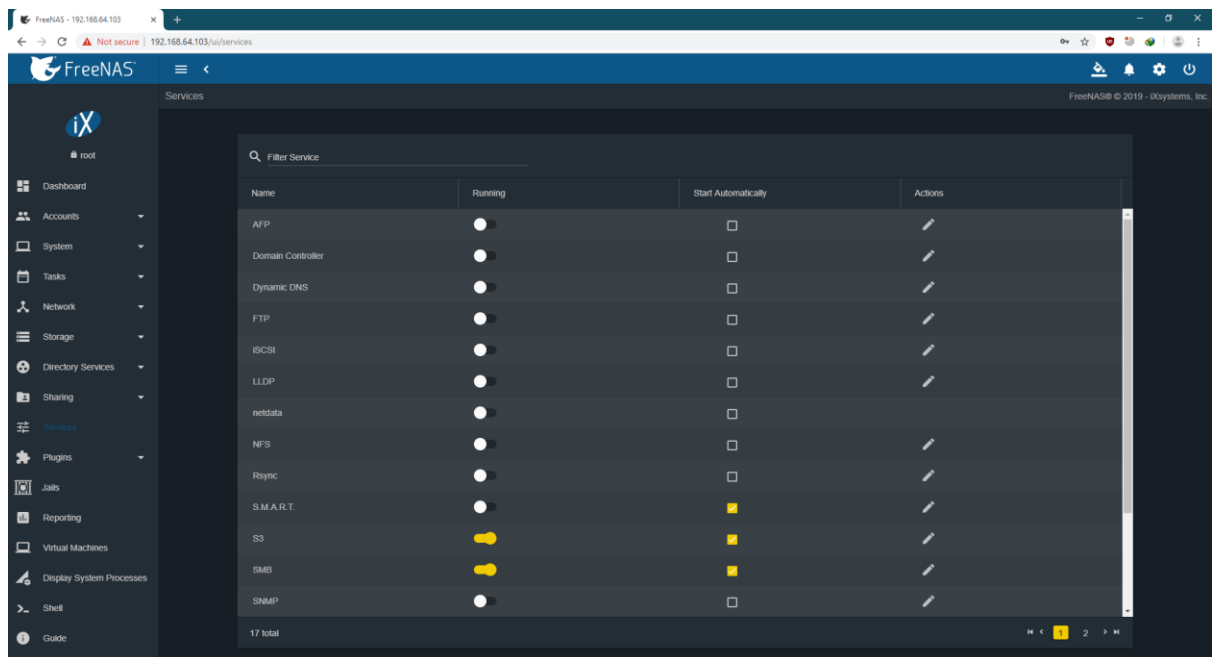


5. Masuk ke menu service -> cari service S3-> klik pada icon pensil

6. Konfigurasi S3 service



7. Aktivasi Layanan S3



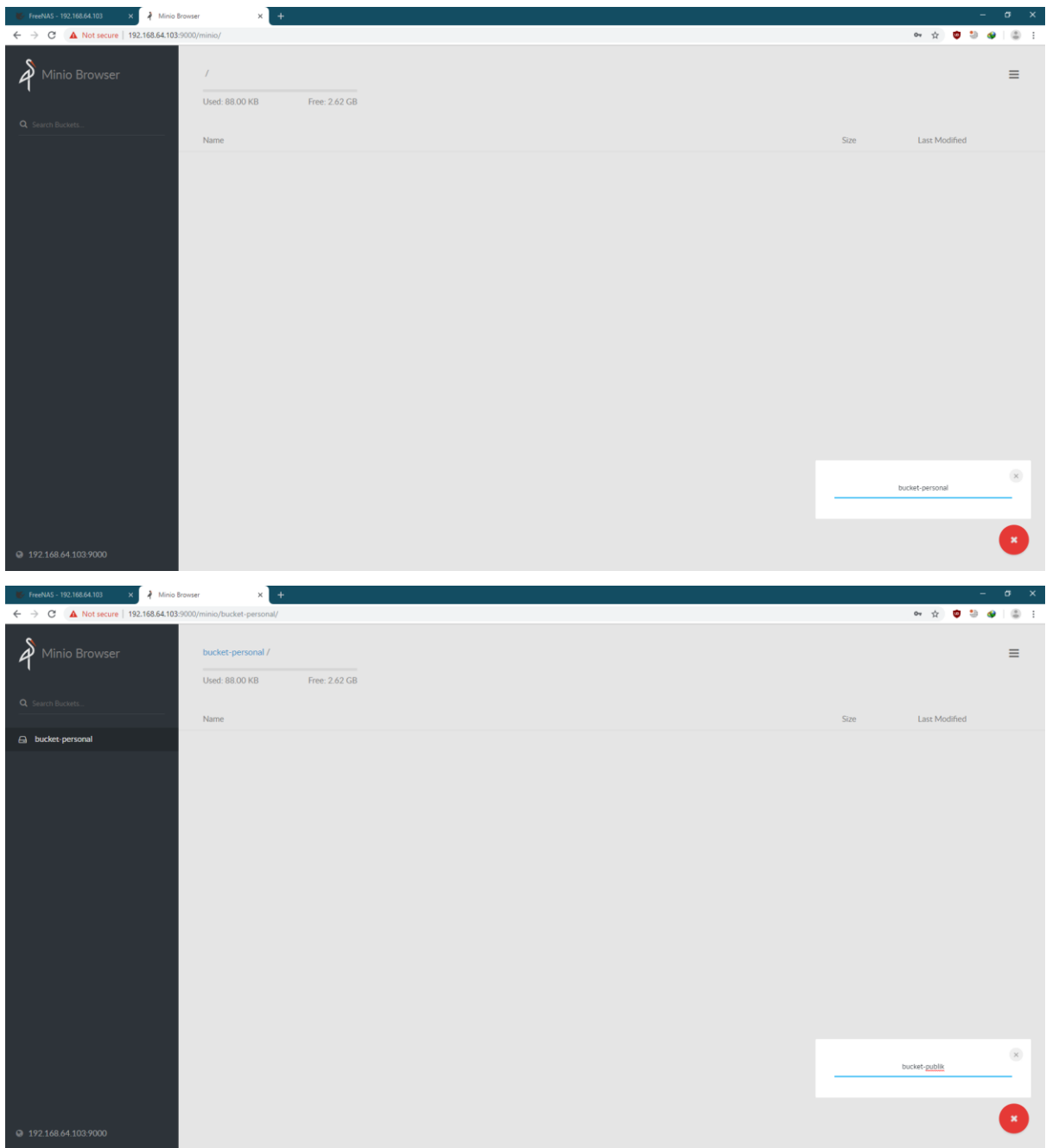
8. Akses layanan S3 dengan MinIO Web Based

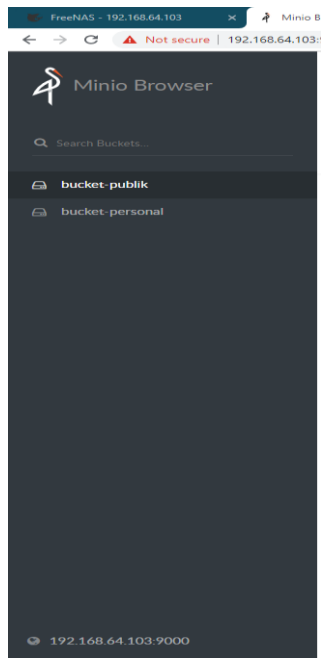


9. Login MinIO



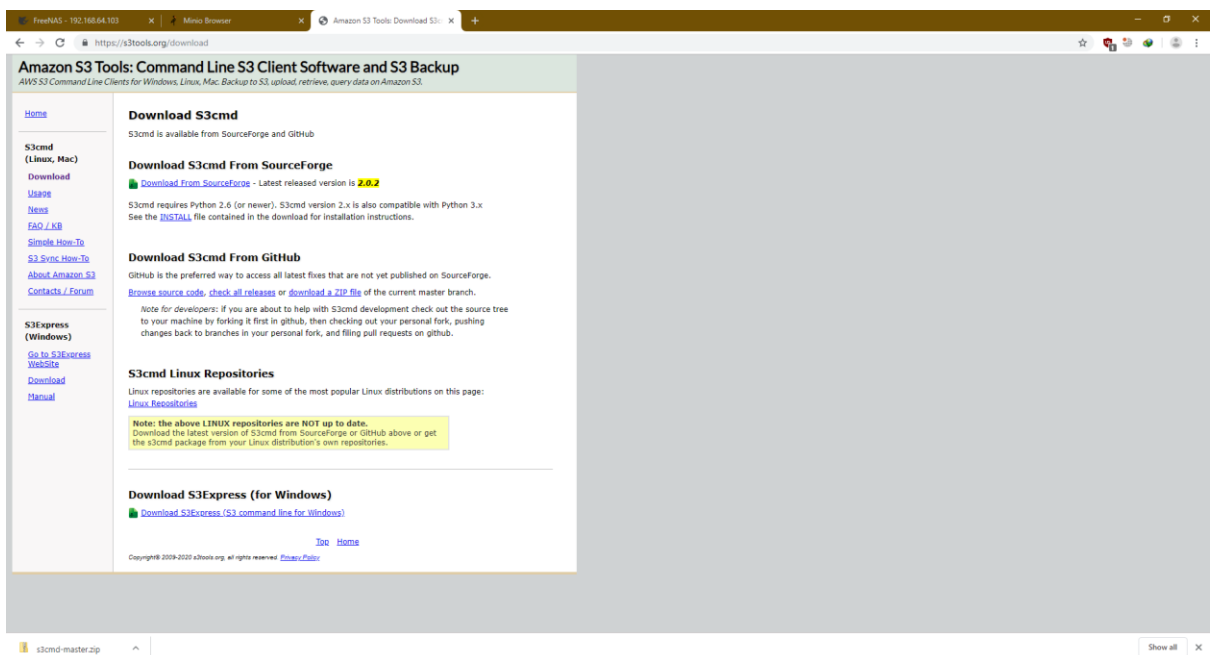
10. Membuat 2 bucket





11. Mencoba s3cmd untuk upload data

Download terlebih dahulu kemudian di extract ke VM-NIM



12. Install s3cmd dengan Phyton

Buka cmd->run as administrator

Arahkan working directory CMD ke isi folder yang telah diunduh

```
Administrator: Command Prompt
D:\VM-123170068\s3cmd-master>python setup.py install
Using xml.etree.ElementTree for XML processing
running install
running bdist_egg
running egg_info
creating s3cmd.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
writing manifest file 's3cmd.egg-info\SOURCES.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\BidirMap.py -> build\lib\S3
copying S3\CloudFront.py -> build\lib\S3
copying S3\Config.py -> build\lib\S3
copying S3\ConnMan.py -> build\lib\S3
copying S3\Crypto.py -> build\lib\S3
copying S3\Custom_httplib27.py -> build\lib\S3
copying S3\Custom_httplib3x.py -> build\lib\S3
copying S3\Exceptions.py -> build\lib\S3
```

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

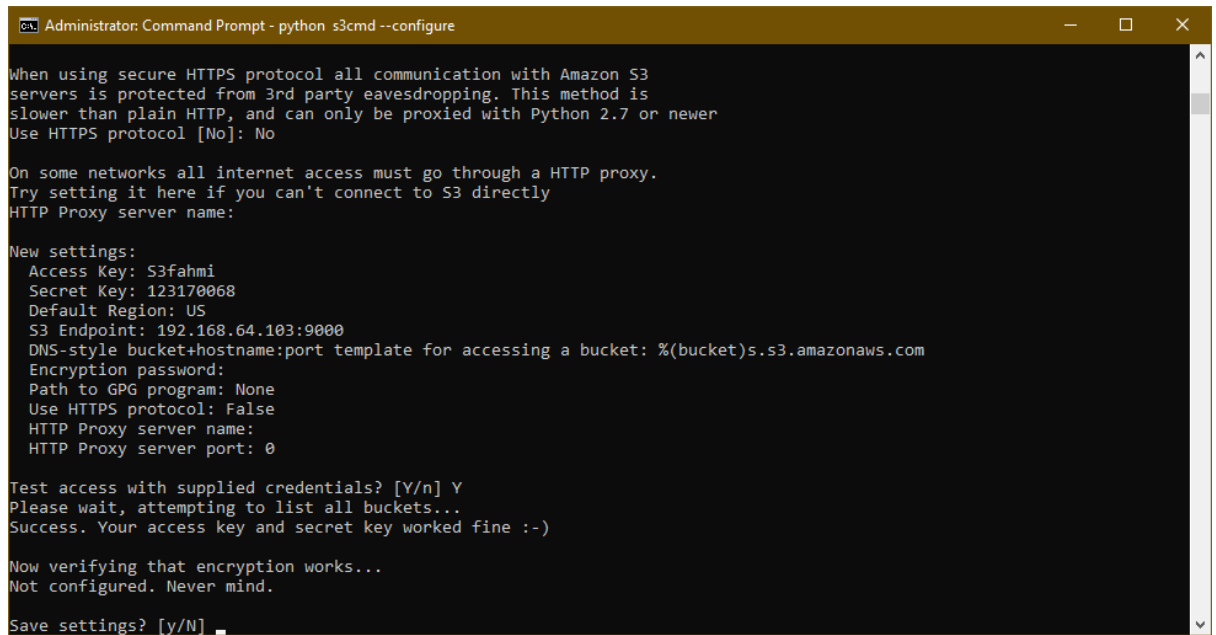
D:\VM-123170068\s3cmd-master>python s3cmd --configure
ERROR: Option --preserve is not yet supported on MS Windows platform. Assuming --no-preserve.
ERROR: Option --progress is not yet supported on MS Windows platform. Assuming --no-progress.

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: _
```

13.

14. Parameter Konfigurasi



```
Administrator: Command Prompt - python s3cmd --configure

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 [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: S3fahmi
  Secret Key: 123170068
  Default Region: US
  S3 Endpoint: 192.168.64.103:9000
  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

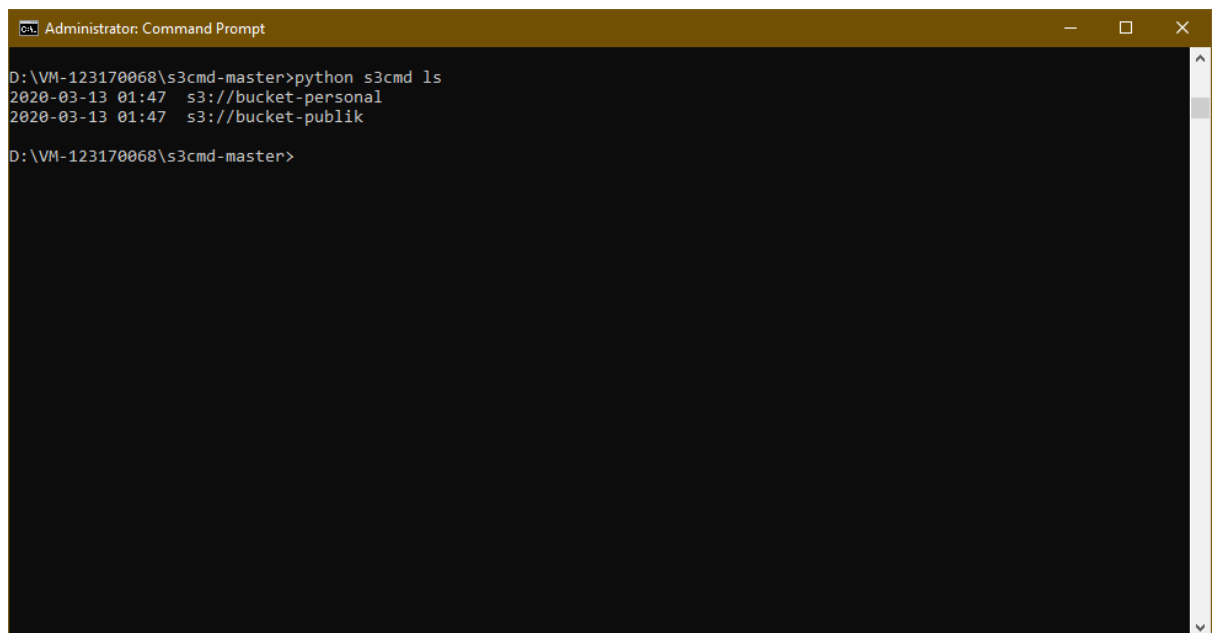
Test access with supplied credentials? [Y/n] Y
Please wait, attempting to list all buckets...
Success. Your access key and secret key worked fine :-)

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

Save settings? [y/N] y
```

15. Mencoba perintah s3cmd

ls untuk mengetahui isi bucket



```
Administrator: Command Prompt

D:\VM-123170068\s3cmd-master>python s3cmd ls
2020-03-13 01:47 s3://bucket-personal
2020-03-13 01:47 s3://bucket-publik

D:\VM-123170068\s3cmd-master>
```

16. Dokumentasi s3cmd

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

Upload ke bucket

```
s3cmd put newfile s3://testbucket
```

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

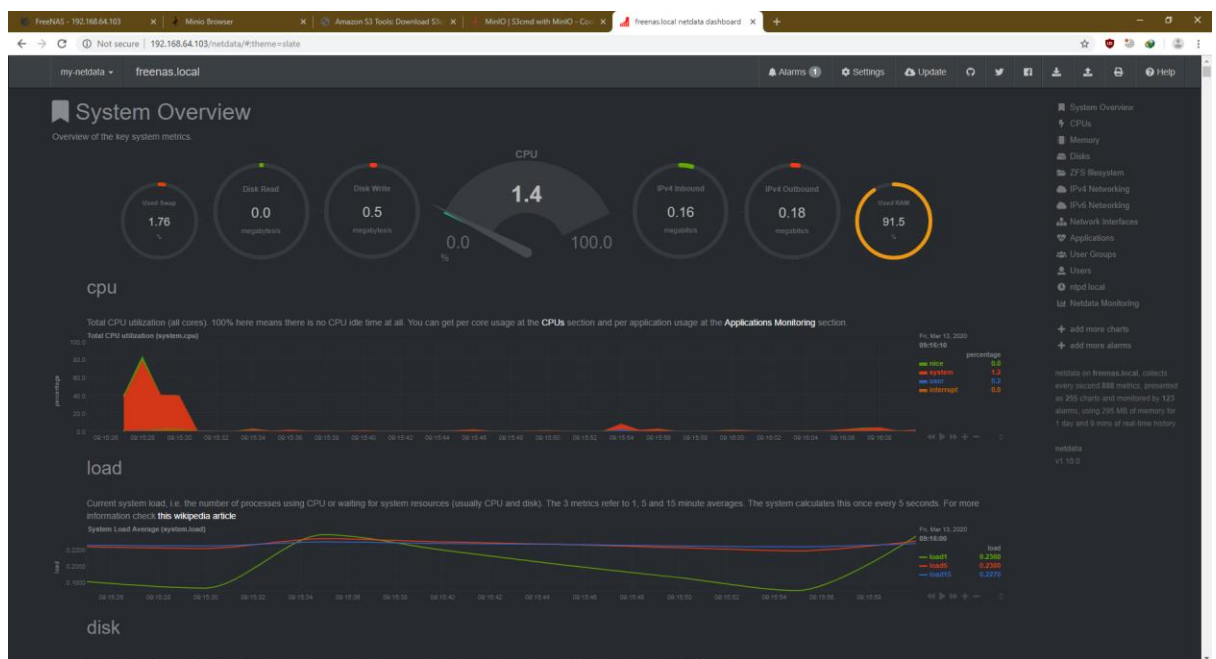
Download dari bucket

```
s3cmd sync newdemo s3://testbucket
```

```
upload: 'newdemo/newdemofile.txt' ->  
's3://testbucket/newdemo/newdemofile.txt'
```

Langkah Konfigurasi Netdata

1. Login FreeNAS
2. Cari netdata di bagian service
3. Nyalakan service netdata
4. Tampilan netdata



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