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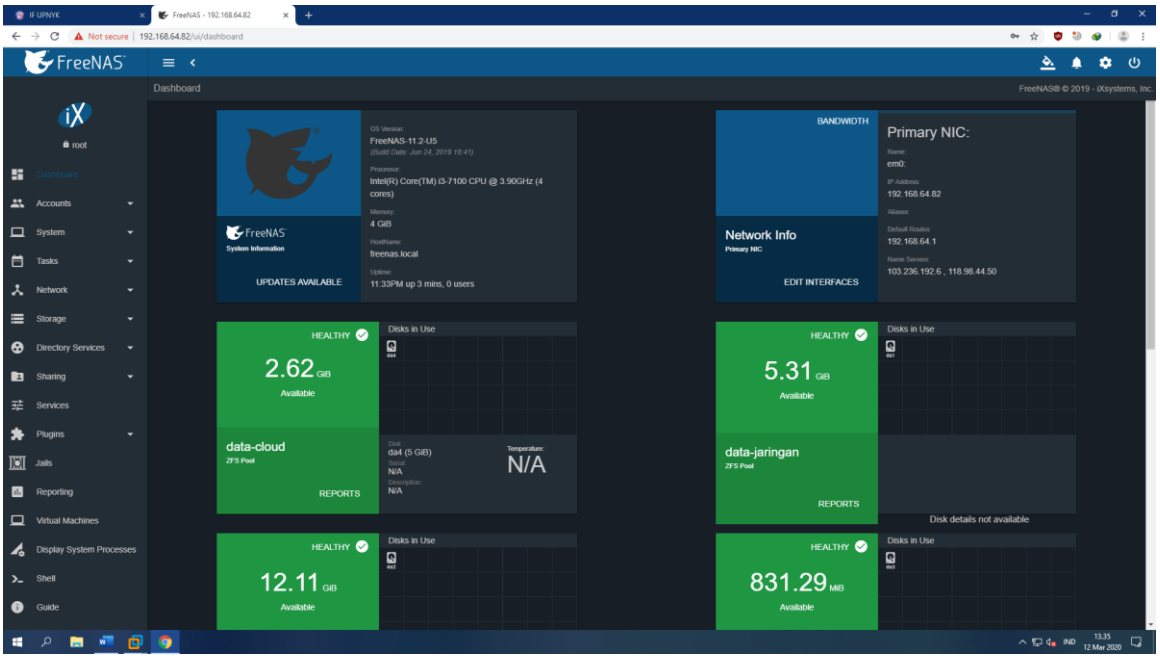
NIM : 123170076

Kelas : TCC - A

Konfigurasi FreeNAS lanjutan

- **Konfigurasi S3 Bucket Service**

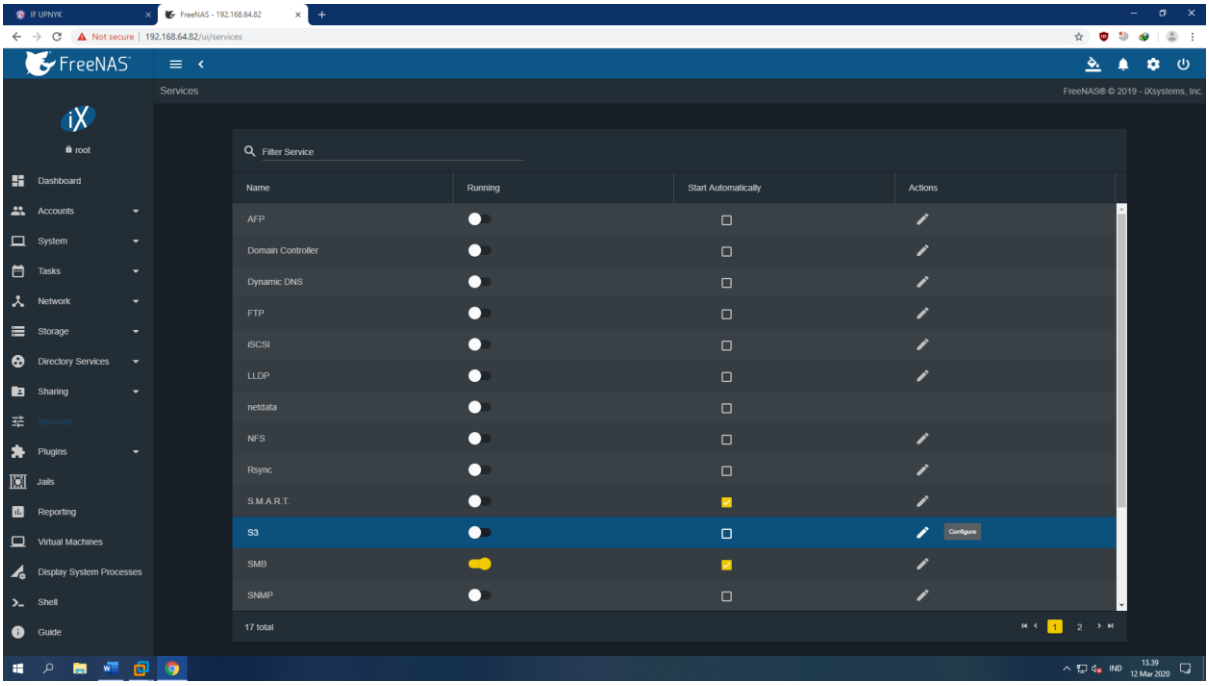
1. Login Dashboard FreeNas dengan mengakses IP pada browser, kemudian masukkan username “root” dan password sesuai yang dibuat pada pertemuan sebelumnya.



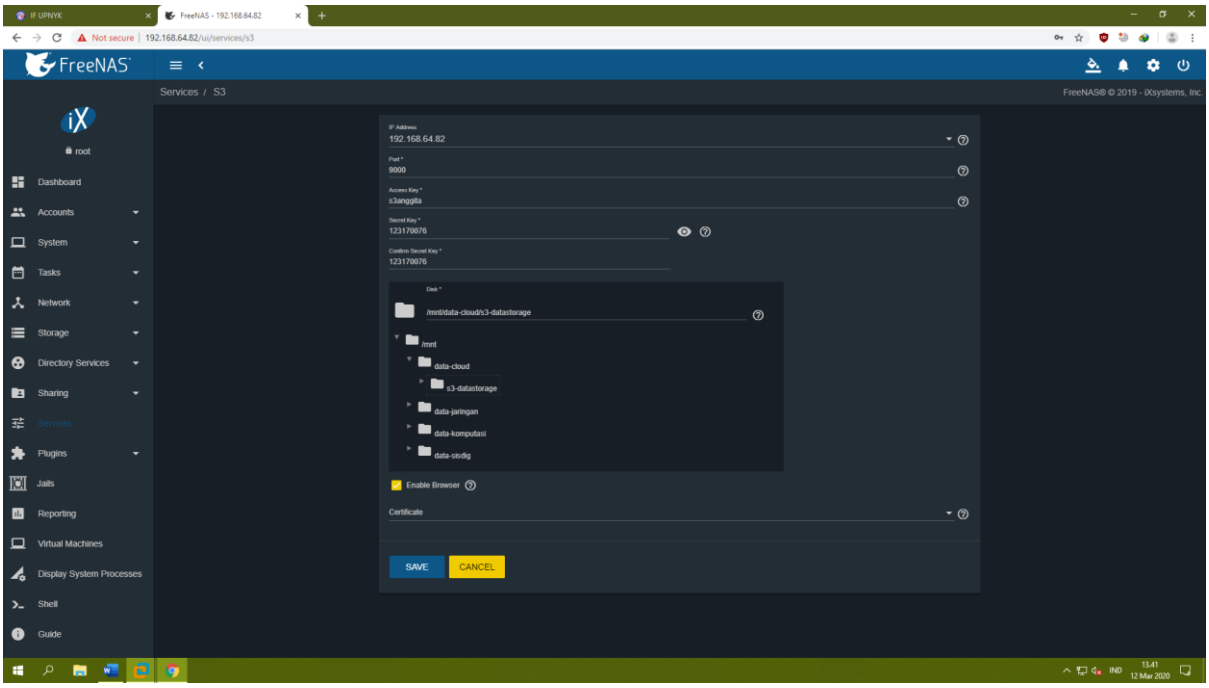
2. Masuk menu Storage Pool : Pada pool data-cloud buka menu options, kemudian pilih Add Dataset.

3. Buat Dataset baru : Gunakan nama dataset s3-data-storage kemudian save.

4. Masuk ke menu Services -> S3 -> cari icon pencil di klik

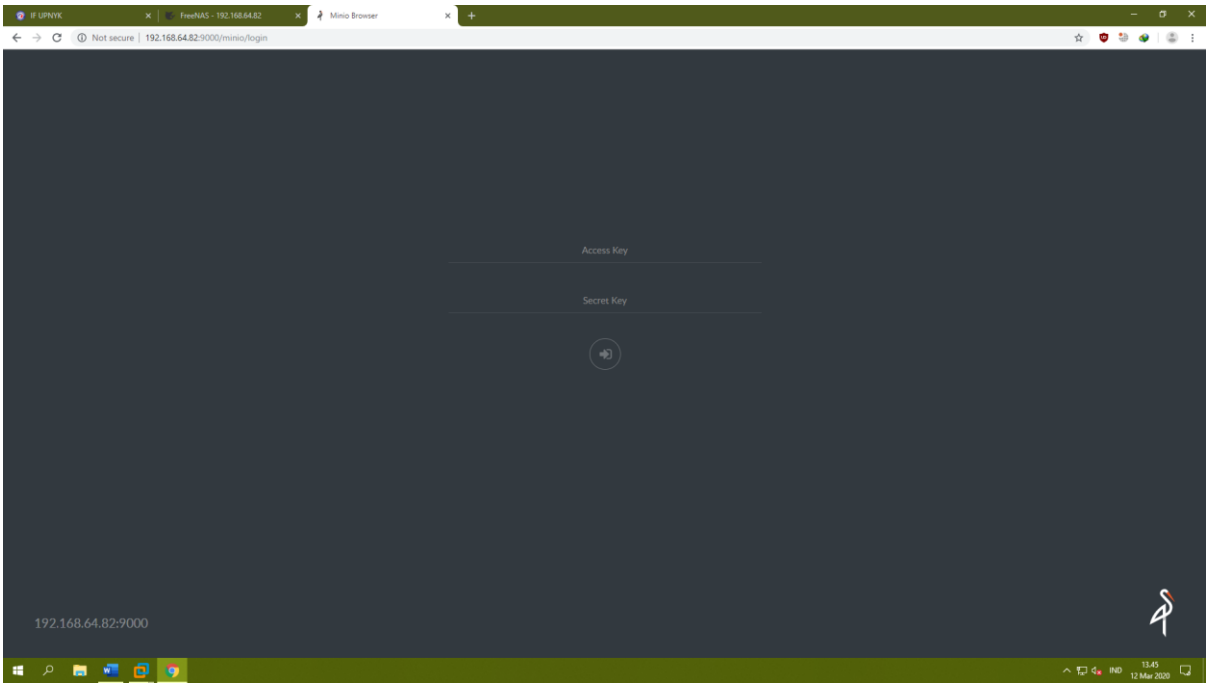


5. Konfigurasi S3 Services

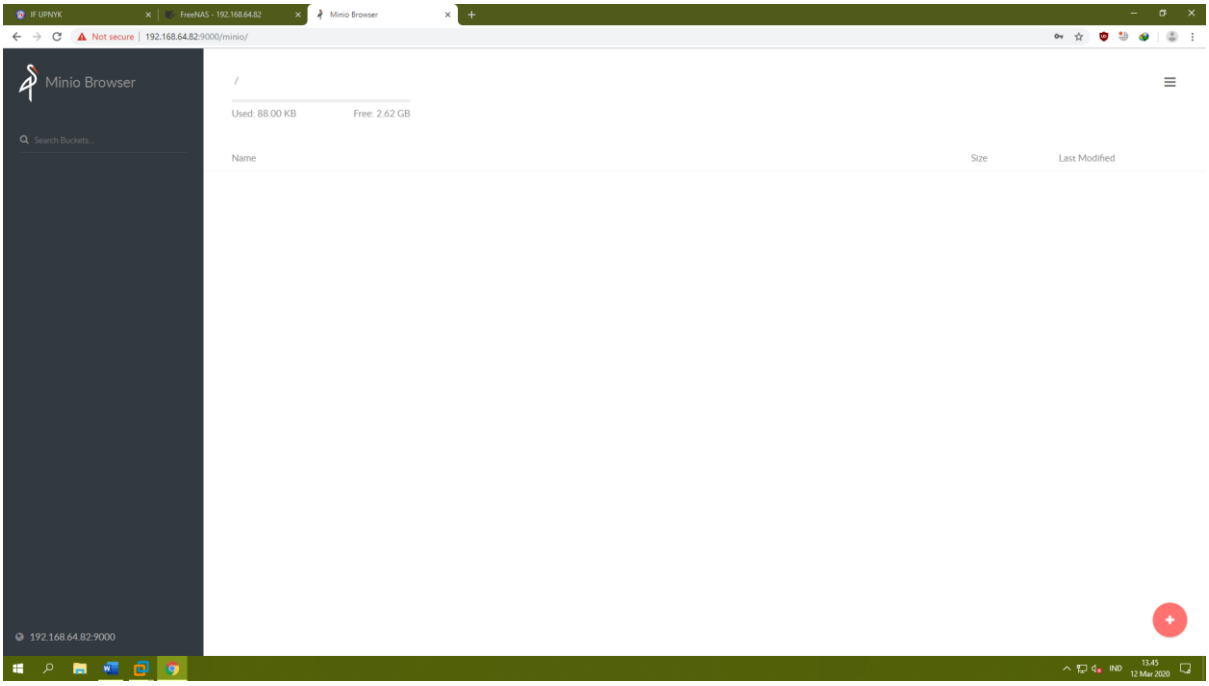


6. Aktivasi Layanan S3

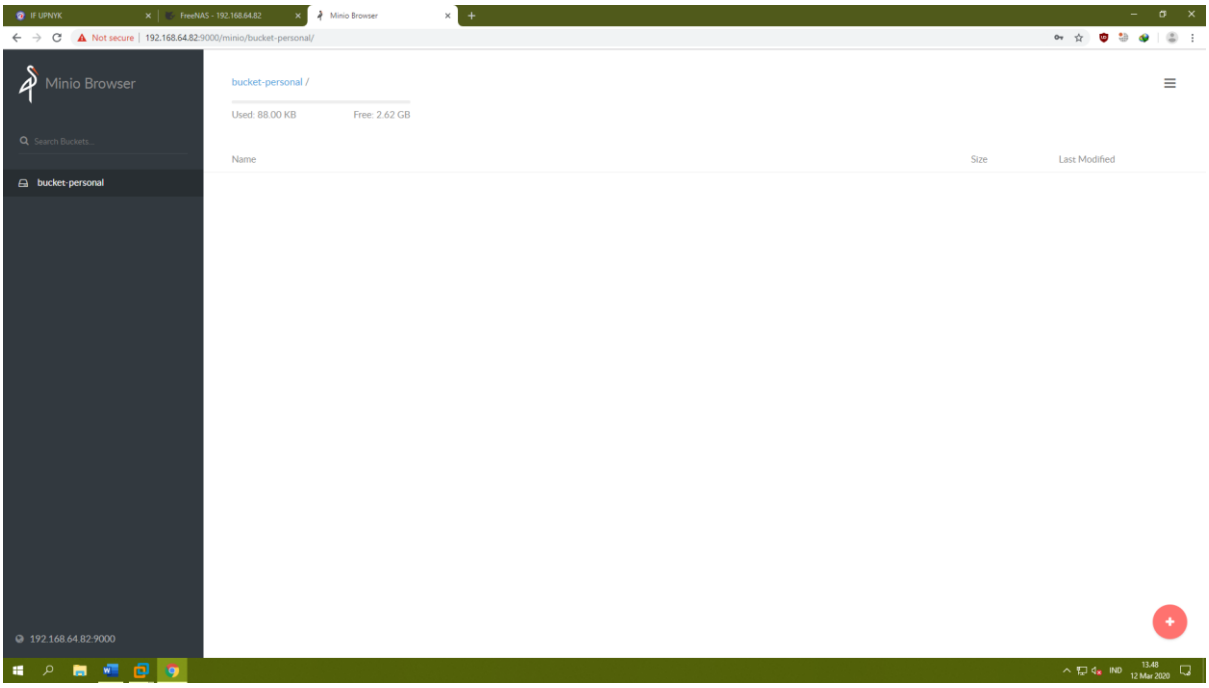
7. Login freenas dengan http://ip:9000, lalu akan muncul tampilan seperti dibawah.



8. Tampilan Dashboard MinIO



9. Lalu create Bucket dengan nama **bucket-personal** pada bagian bawah.



10. Mencoba s3cmd untuk upload data : download pada link lalu ekstrak ke **VM-NIM.**

11. Cara menginstall menggunakan cmd sebagai admin

```
C:\>D:

D:\>cd VM-123170076

D:\VM-123170076>cd s3cmd-2.0.2

D:\VM-123170076\s3cmd-2.0.2>cd s3cmd-2.0.2

D:\VM-123170076\s3cmd-2.0.2\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'
```

12. Konfigurasi s3cmd : **python s3cmd --configure**

```
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-123170076\s3cmd-2.0.2\s3cmd-2.0.2>python s3cmd--configure
```

13. Parameter Konfigurasi

```
D:\VM-123170076\s3cmd-2.0.2\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: s3anggita
Secret Key: 123170076
Default Region [US]:

Use "s3.amazonaws.com" for S3 Endpoint and not modify it to the target Amazon S3.
S3 Endpoint [s3.amazonaws.com]: 192.168.64.82:9000

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: s3anggita
  Secret Key: 123170076
  Default Region: US
  S3 Endpoint: 192.168.64.82:9000
  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
```

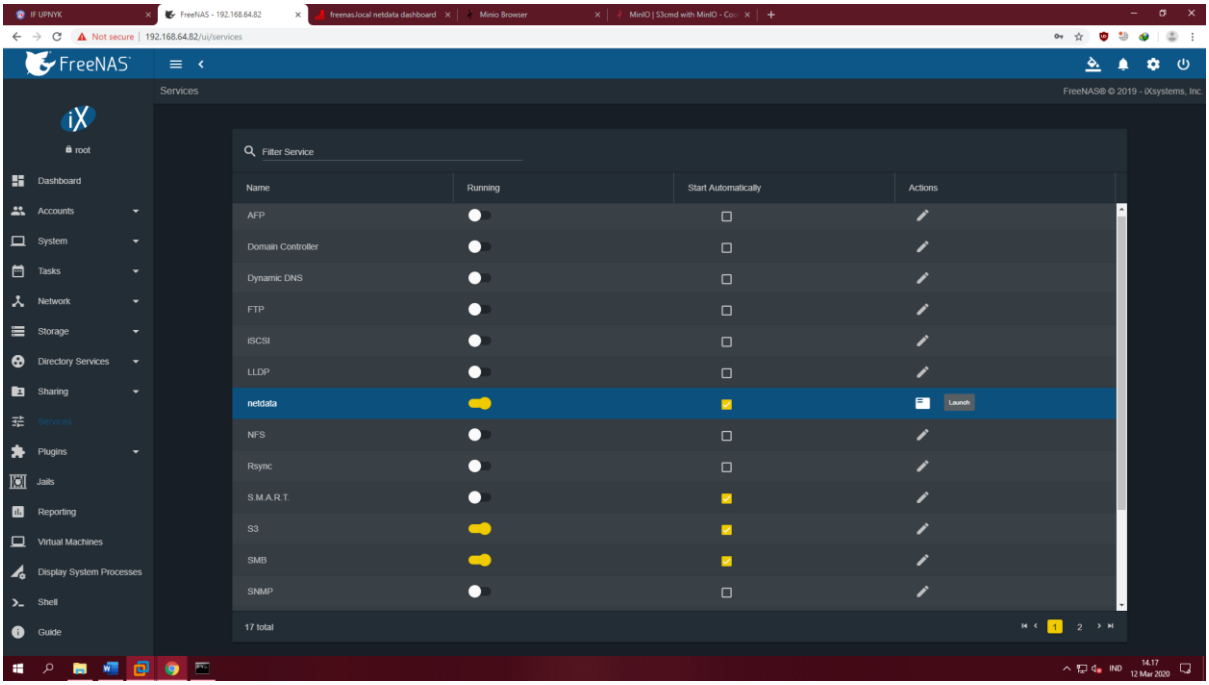
14. Ketikkan python s3cmd ls untuk melihat isi dari python s3cmd

15. Untuk melihat dokumentasi s3cmd : http://docs.min.io/docs/s3cmd-with-minio.html

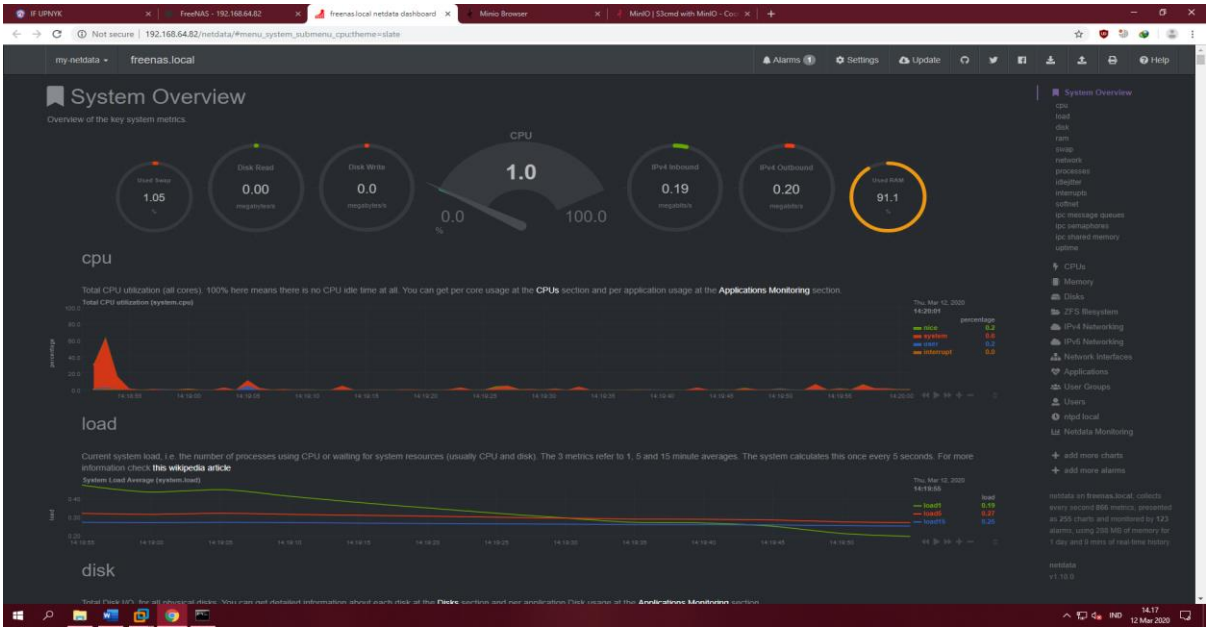
16. Perintah upload file pada bucket : `python s3cmd put mencoba.txt s3://bucket-personal`

- Monitoring dengan netdata service

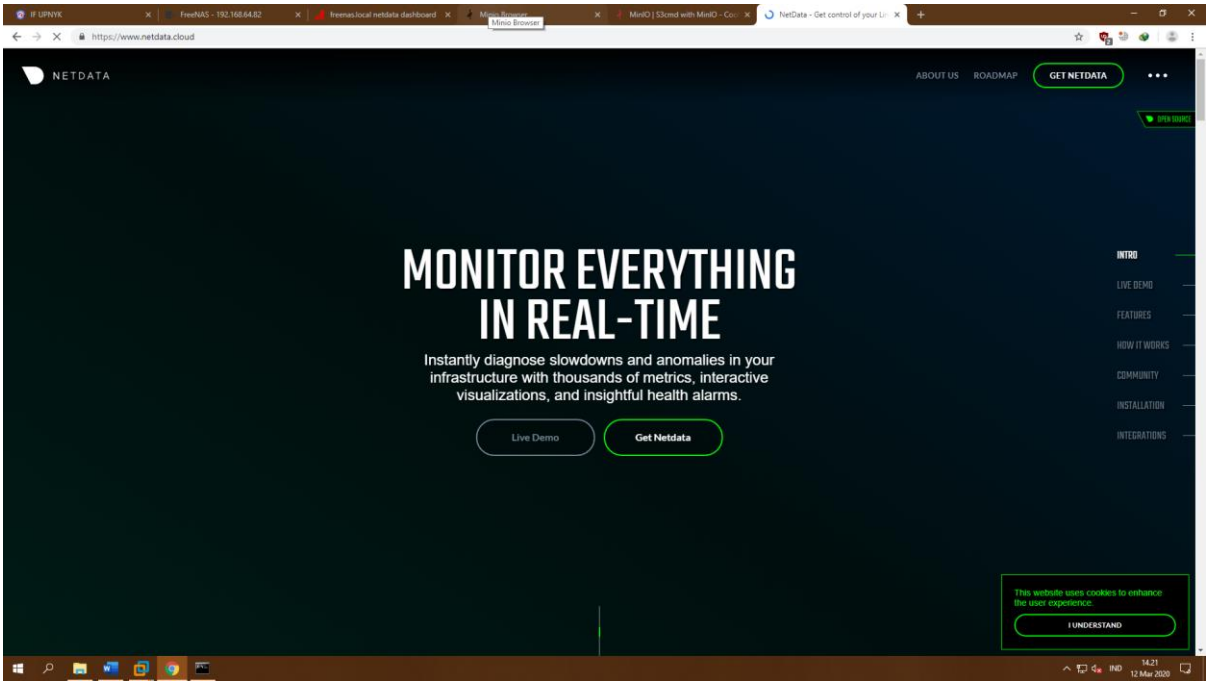
1. Login FreeNAS
2. Masuk menu Services : cari service dengan nama netdata
3. Nyalakan service netdata



4. Klik launch pada netdata dibagian action atau bisa juga menggunakan http://ip/netdata



5. Dokumentasi netdata : https://netdata.cloud



- Jails dengan transmission

1. Login Dashboard FreeNAS
2. Masuk ke bagian services
3. Untuk lanjutannya bisa dilihat pada youtube atau pada pertemuan selanjutnya.