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Pertemuan 6

Konfigurasi FreeNAS

S3 Bucket Service

Protokol penyimpanan berbasis object yang digunakan oleh vendor contohnya amazon web service, dropbox, dll

Konfigurasi :

1. Login Dashboard FreeNAS
2. Masuk menu Storage Pool > pilih > three dot > add Dataset
3. Buat Dataset baru
4. Selesai buat Dataset
5. Masuk ke Service > S3 > Configure

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6. Konfigurasi S3 Service

The screenshot shows the FreeNAS web interface for configuring the S3 service. The browser address bar shows '192.168.64.115/ui/services/s3'. The interface has a dark theme with a blue header. The main configuration area includes fields for IP Address (192.168.64.115), Port (9000), Access Key (S3murah), Secret Key (masked with dots), and Confirm Secret Key (masked with dots). There is a 'Disk' section with a file explorer showing the directory structure: /mnt/data-cloud/s3-datastorage. Below the file explorer, there is a checkbox for 'Enable Browser' which is checked. At the bottom, there is a 'Certificate' dropdown menu and two buttons: 'SAVE' and 'CANCEL'.

7. Setelah di save kemudian di run dan centang "start auto" S3 tsb.
8. Akses layanan S3 dengan mengetikkan url "IPFREENAS:9000".
9. Kemudian Login MiniIO
10. Kemudian *create bucket*
11. Liat hasil bucket di menu dashboard
12. Coba s3cmd utk upload data
13. Install s3cmd dengan CMD "python setup.py install"
14. Kemudian ketikkan "python s3cmd --configure"
15. Kemudian di konfigure
16. Masukkan access key, secret key, enter default Region, kemudian set endpoint IPFREENAS:9000

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Administrator: Command Prompt
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: S3murah
Secret Key: 123170039
Default Region [US]:

Use "s3.amazonaws.com" for S3 Endpoint and not modify it to the target Amazon S3.
S3 Endpoint [s3.amazonaws.com]: 192.168.64.115:9000

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 [%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: S3murah
  Secret Key: 123170039
  Default Region: US
  S3 Endpoint: 192.168.64.115:9000
  DNS-style bucket+hostname:port template for accessing a 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-123170039\s3cmd-2.0.2\s3cmd-2.0.2>
```

17. <https://docs.min.io/docs/s3cmd-with-minio.html> dokumentasi dari S3CMD

Monitoring dengan Netdata Service

1. Login FreeNAS
2. Service > aktifkan netdata
3. Akses IPFreeNAS/netdata maka akan dapat dilihat System Overview
4. Dokumentasi <https://www.netdata.cloud/>

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Mencoba JAILS dengan Transmission

Sebagai mesin downloader torrent dengan aplikasi Transmission

Dokumentasi <https://www.youtube.com/watch?v=5U9MG9MH-xw>