

Show Modules

Linux > Lab Web Features - Apache2 (node1)

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Dokumentasi CLI 

Back

Next

AKSES LAB

Informasi Akses Lab

Gunakan akun akses lab ini untuk masuk ke layanan praktikum. Password akses lab terpisah dari password LearnHub dan bisa diperbarui kapan saja dari panel ini.

Download OpenVPN Client

USERNAME OPENVPN & CML

faridridwan1815

CML URL

10.2.2.20

USERNAME VMWARE

faridridwan1815@itnsa.id

VCENTER URL

10.1.1.100

Lab Status

3/3 task PASS

Not Validated

Lab Objective

Lab Web Features - Apache2 (node1)

1 Install apache2-utils

Konfigurasi HTTPS, Redirection dan Authentication **web1.itnsa.net** pada **node1.itnsa.net** menggunakan Apache2

Install apache2-utils pada **node1** menggunakan perintah berikut:

```
apt install apache2-utils -y
```

2 HTTPS, Redirection & Authentication Configuration

Buat username dan password untuk proses autentikasi menggunakan perintah berikut:

```
htpasswd -cb /etc/apache2/.htpasswd user password
```

Buka `/etc/apache2/sites-enabled/web1.conf` dan edit kontennya menjadi seperti berikut:

```
<VirtualHost *:80>
    ServerName web1.itnsa.net
    Redirect permanent / https://web1.itnsa.net
</VirtualHost>
```

```
<VirtualHost *:443>
```

```
ServerName web1.itnsa.net
SSLEngine on
SSLCertificateFile /opt/itnsa.net.crt
SSLCertificateKeyFile /opt/itnsa.net.key

DocumentRoot /var/www/web1

ErrorLog /var/log/apache2/web1_error.log
CustomLog /var/log/apache2/web1.log combined

<Directory /var/www/web1>
    AuthType basic
    AuthName authentication
    AuthUserFile /etc/apache2/.htpasswd
    Require valid-user
</Directory>

</VirtualHost>
```

Aktifkan module SSL

```
a2enmod ssl
```

Check konfigurasi dan restart apache2

```
apachectl -t && systemctl restart apache2
```

3

Check Website



Lakukan pengujian menggunakan perintah `curl`

```
curl http://web1.itnsa.net -sI | grep HTTP
curl https://web1.itnsa.net -sI -L | grep HTTP
curl https://web1.itnsa.net -u user:password
```

Contoh:

```
root@node1:~# curl http://web1.itnsa.net -sI | grep HTTP
HTTP/1.1 301 Moved Permanently
```

```
root@node1:~# curl https://web1.itnsa.net -sI -L | grep HTTP
HTTP/1.1 401 Unauthorized
```

```
root@node1:~# curl https://web1.itnsa.net -u user:password
Welcome to web1.itnsa.net
```

Validate Lab

Reset Lab