

LAPORAN PRATIKUM
CARA MENGINSTAL APACHE DI UBUNTU SERVER



Disusun oleh:

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Dosen Pengampu:

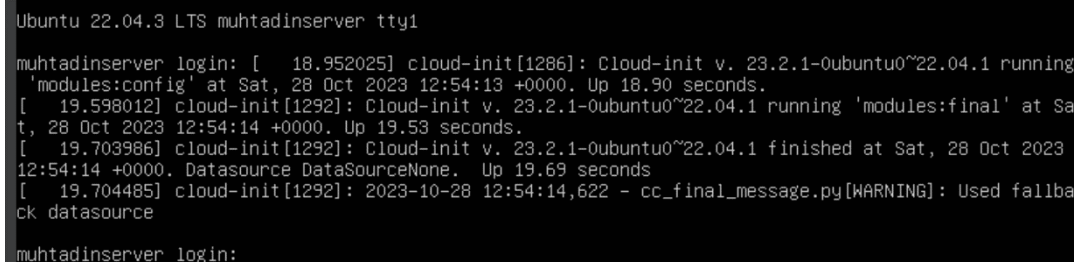
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PROGRAM STUDI SISTEM KOMPUTER
FAKULTAS ILMU KOMPUTER
UNIVERSITAS SRIWIJAYA
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PROSES Pengerjaan

1. Cara Menginstall Web Server Apache di Ubuntu

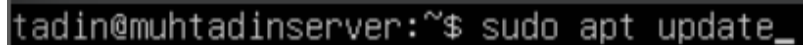
Ini adalah tampilan sebelum masuk kedalam ubuntu servernya. Lalu masukkan user name dan password untuk masuk ke dalam ubuntu servernya.



```
Ubuntu 22.04.3 LTS muhtadinserver tty1
muhtadinserver login: [ 18.952025] cloud-init[1286]: Cloud-init v. 23.2.1-0ubuntu0~22.04.1 running
'modules:config' at Sat, 28 Oct 2023 12:54:13 +0000. Up 18.90 seconds.
[ 19.598012] cloud-init[1292]: Cloud-init v. 23.2.1-0ubuntu0~22.04.1 running 'modules:final' at Sa
t, 28 Oct 2023 12:54:14 +0000. Up 19.53 seconds.
[ 19.703986] cloud-init[1292]: Cloud-init v. 23.2.1-0ubuntu0~22.04.1 finished at Sat, 28 Oct 2023
12:54:14 +0000. DataSource DataSourceNone. Up 19.69 seconds
[ 19.704485] cloud-init[1292]: 2023-10-28 12:54:14,622 - cc_final_message.py[WARNING]: Used fallback
datasource
muhtadinserver login:
```

Gambar 1. 1 Tampilan sebelum login di ubuntu server

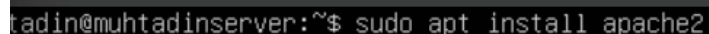
Langkah pertama mengetikkan perintah **sudo apt update** lalu kemudian klik enter pada keyboard. Perintah ini berguna untuk memperbarui daftar paket untuk peningkatan paket-paket yang perlu ditingkatkan, serta paket-paket baru yang barusaja datang ke repository.



```
tadin@muhtadinserver:~$ sudo apt update_
```

Gambar 1. 2 Update pada ubuntu server

Langkah kedua kita akan menginstall apache dengan mengetikkan sebuah perintah **sudo apt install apache2** lalu kemudian klik enter pada keyboard. pada perintah ini akan menginstall apache2 pada ubuntu server.



```
tadin@muhtadinserver:~$ sudo apt install apache2
```

Gambar 1. 3 Menginstall apache2 di ubuntu server

langkah ketiga Setelah sudah terpasang apache2, web server seharusnya sudah aktif dan berjalan. Periksa dengan system init systemd untuk memastikan layanan berjalan ketik perintah **sudo service apache2 status** untuk memastikan layanan berjalan.

Langkah keempat ialah dengan mengetikkan perintah `ifconfig` yang digunakan untuk menampilkan alamat IP Linux kalian.

```
tadin@muhtadinserver:~$ ifconfig
docker0: flags=4099<UP,BROADCAST,MULTICAST> mtu 1500
    inet 172.17.0.1 netmask 255.255.0.0 broadcast 172.17.255.255
    ether 02:42:f6:44:eb:16 txqueuelen 0 (Ethernet)
    RX packets 0 bytes 0 (0.0 B)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 0 bytes 0 (0.0 B)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

enp0s3: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500
    inet 192.168.160.195 netmask 255.255.255.0 broadcast 192.168.160.255
    inet6 fe80::a00:27ff:fe8d:7d8a prefixlen 64 scopeid 0x20<link>
    ether 08:00:27:8d:7d:8a txqueuelen 1000 (Ethernet)
    RX packets 26291 bytes 37826079 (37.8 MB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 8595 bytes 732545 (732.5 KB)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

lo: flags=73<UP,LOOPBACK,RUNNING> mtu 65536
    inet 127.0.0.1 netmask 255.0.0.0
    inet6 ::1 prefixlen 128 scopeid 0x10<host>
    loop txqueuelen 1000 (Local Loopback)
    RX packets 116 bytes 9481 (9.4 KB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 116 bytes 9481 (9.4 KB)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0
```

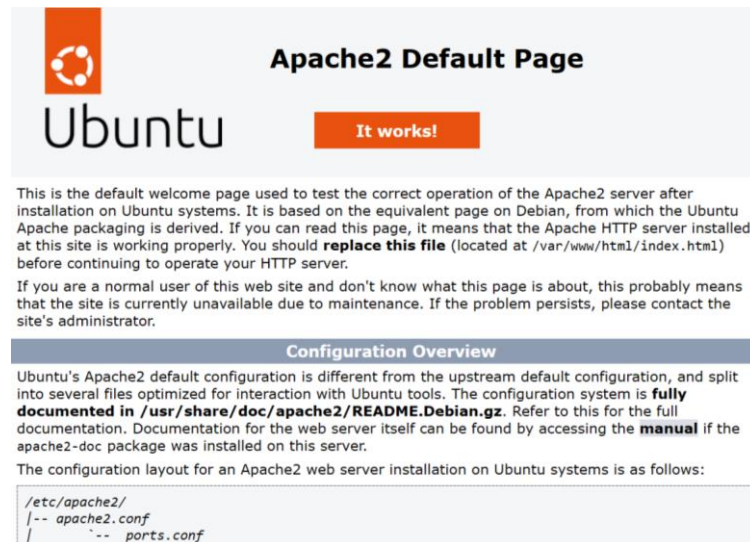
Gambar 1. 4 Melihat ip address pada ubuntu server

Selanjutnya, Anda dapat mengakses halaman URL arahan Apache default, untuk mengonfirmasikan bahwa software berjalan dengan benar melalui alamat IP Address tadi yang kita cek.

```
tadin@muhtadinserver:~$ sudo service apache2 status
[sudo] password for tadin:
• apache2.service - The Apache HTTP Server
   Loaded: loaded (/lib/systemd/system/apache2.service; enabled; vendor preset: enabled)
   Active: active (running) since Sat 2023-10-28 12:54:06 UTC; 11min ago
     Docs: https://httpd.apache.org/docs/2.4/
   Main PID: 844 (apache2)
    Tasks: 6 (limit: 2220)
   Memory: 17.8M
      CPU: 345ms
   CGroup: /system.slice/apache2.service
           └─844 /usr/sbin/apache2 -k start
             └─918 /usr/sbin/apache2 -k start
               └─948 /usr/sbin/apache2 -k start
                 └─949 /usr/sbin/apache2 -k start
                   └─950 /usr/sbin/apache2 -k start
                     └─951 /usr/sbin/apache2 -k start

Oct 28 12:54:05 muhtadinserver systemd[1]: Starting The Apache HTTP Server...
Oct 28 12:54:05 muhtadinserver apachectl[693]: AH00558: apache2: Could not reliably determine th
Oct 28 12:54:06 muhtadinserver systemd[1]: Started The Apache HTTP Server.
Oct 28 12:54:06 muhtadinserver systemd[1]: Reloading The Apache HTTP Server...
Oct 28 12:54:06 muhtadinserver apachectl[898]: AH00558: apache2: Could not reliably determine th
Oct 28 12:54:06 muhtadinserver systemd[1]: Reloaded The Apache HTTP Server.
lines 1-22/22 (END)
```

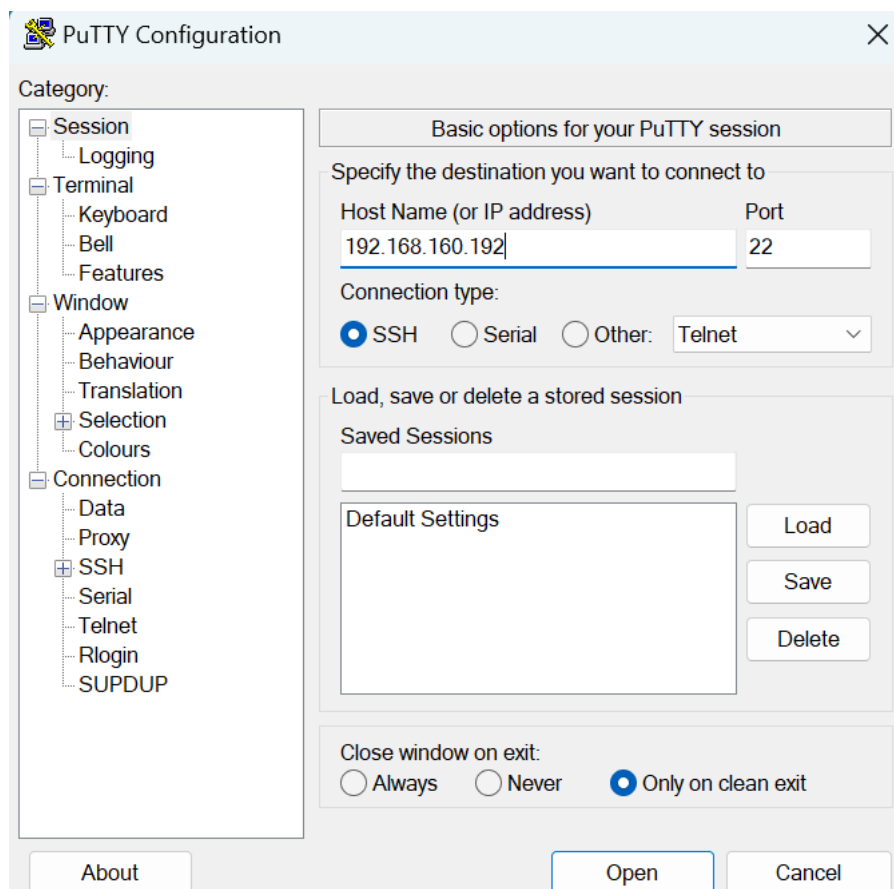
Gambar 1. 5 Melihat status apache



Gambar 1. 6 Tampilan Apache2 di web

2. Melakukan remote Ubuntu Server pada PuTTY

Untuk login menggunakan Putty. membuka Putty yang telah didownload sebelumnya pada bagian Host Name masukkan IP Address kalian, disini saya menggunakan IP Address saya dan setelah itu tekan Open.



Gambar 2. 1 Tampilan dari putty

Jika sudah masuk ke terinal maka ketikan username pada ubuntu dan passwordnya.

```
tadin@muhtadinserver: ~  
login as: tadin  
tadin@192.168.160.195's password:  
Welcome to Ubuntu 22.04.3 LTS (GNU/Linux 5.15.0-86-generic x86_64)  
  
* Documentation:  https://help.ubuntu.com  
* Management:    https://landscape.canonical.com  
* Support:        https://ubuntu.com/advantage  
  
System information as of Sat Oct 28 01:35:09 PM UTC 2023  
  
System load:  0.41259765625    Processes:            128  
Usage of /:   58.2% of 9.75GB   Users logged in:      1  
Memory usage: 34%             IPv4 address for docker0: 172.17.0.1  
Swap usage:   0%               IPv4 address for enp0s3:  192.168.160.195  
  
Expanded Security Maintenance for Applications is not enabled.  
  
26 updates can be applied immediately.  
To see these additional updates run: apt list --upgradable  
  
Enable ESM Apps to receive additional future security updates.  
See https://ubuntu.com/esm or run: sudo pro status  
  
Last login: Sat Oct 28 13:32:50 2023 from 192.168.160.64  
tadin@muhtadinserver:~$
```

Gambar 2. 2 Tampilan sesudah login di putty

3. Melakukan remote Ubuntu Server pada Command Prompt

Kita buka teriminal pada windows lalu ketikan sebuah perintah `ssh tadin@192.168.160.195` lalu masukkan password.

```
C:\Users\asus>ssh tadin@192.168.160.195  
tadin@192.168.160.195's password:  
Welcome to Ubuntu 22.04.3 LTS (GNU/Linux 5.15.0-86-generic x86_64)  
  
* Documentation:  https://help.ubuntu.com  
* Management:    https://landscape.canonical.com  
* Support:        https://ubuntu.com/advantage  
  
System information as of Sat Oct 28 01:32:50 PM UTC 2023  
  
System load:  0.10009765625    Processes:            127  
Usage of /:   58.2% of 9.75GB   Users logged in:      1  
Memory usage: 33%             IPv4 address for docker0: 172.17.0.1  
Swap usage:   0%               IPv4 address for enp0s3:  192.168.160.195  
  
Expanded Security Maintenance for Applications is not enabled.  
  
26 updates can be applied immediately.  
To see these additional updates run: apt list --upgradable  
  
Enable ESM Apps to receive additional future security updates.  
See https://ubuntu.com/esm or run: sudo pro status  
  
Last login: Sat Oct 28 13:31:35 2023 from 192.168.160.64  
tadin@muhtadinserver:~$
```

Gambar 3. 1 Tampilan Login menggunakan Command Prompt

4. Melakukan remote Ubuntu Server pada kali linux

Sama seperti cara sebelumnya menggunakan perintah di sebuah terminal di kali linux ketikkan ssh tadin@192.168.160.195 dan masukan sebuah password. Lalu anda berhasil login seperti gambar di bawah ini

```
(kali㉿kali)-[~]
└─$ ssh tadin@192.168.160.195
tadin@192.168.160.195's password:
Welcome to Ubuntu 22.04.3 LTS (GNU/Linux 5.15.0-86-generic x86_64)

 * Documentation:  https://help.ubuntu.com
 * Management:    https://landscape.canonical.com
 * Support:       https://ubuntu.com/advantage

System information as of Sat Oct 28 01:39:57 PM UTC 2023

System load: 0.18505859375      Processes:           130
Usage of /:  58.2% of 9.75GB    Users logged in:    1
Memory usage: 34%              IPv4 address for docker0: 172.17.0.1
Swap usage:  0%                IPv4 address for enp0s3: 192.168.160.195

help on apt
https://ubuntu.com/apt

Expanded Security Maintenance for Applications is not enabled.

26 updates can be applied immediately.
To see these additional updates run: apt list --upgradable

Enable ESM Apps to receive additional future security updates.
See https://ubuntu.com/esm or run: sudo pro status

Last login: Sat Oct 28 13:39:58 2023 from 192.168.160.156
tadin@muhtadinserver:~$
```

Gambar 4. 1 Tampilan di login di kali linux