

LAPORAN

Laporan Pemrosesan Paralel (1)



Disusun oleh:

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PROGRAM STUDI SISTEM KOMPUTER

FAKULTAS ILMU KOMPUTER

UNIVERSITAS SRIWIJAYA

2023

Langkah 1: Instal Apache

Buka terminal di sistem Ubuntu Anda. Terminal adalah antarmuka teks ke komputer Anda, yang akan Anda gunakan untuk menjalankan semua perintah.

Pertama, perbarui daftar paket perangkat lunak Anda.

```
nadilaafisarani@nadilaafisarani:~$ sudo apt-get update
```

```
nadilaafisarani@nadilaafisarani:~$ sudo apt-get update
[sudo] password for nadilaafisarani:
Hit:1 http://id.archive.ubuntu.com/ubuntu bionic InRelease
Get:2 http://id.archive.ubuntu.com/ubuntu bionic-updates InRelease [88.7 kB]
Get:3 http://id.archive.ubuntu.com/ubuntu bionic-backports InRelease [83.3 kB]
Get:4 http://id.archive.ubuntu.com/ubuntu bionic-security InRelease [88.7 kB]
Fetched 261 kB in 2s (112 kB/s)
Reading package lists... Done
nadilaafisarani@nadilaafisarani:~$ _
```

Langkah selanjutnya dalam menyiapkan tumpukan LAMP adalah menginstal dan mengkonfigurasi Apache2, server web. Jalankan perintah di bawah ini untuk menginstal Apache 2 di Ubuntu 20.04.

```
nadilaafisarani@nadilaafisarani:~$ sudo apt instal apache2
```

```
nadilaafisarani@nadilaafisarani:~$ sudo apt install apache2
Reading package lists... Done
Building dependency tree
Reading state information... Done
apache2 is already the newest version (2.4.29-1ubuntu4.27).
0 upgraded, 0 newly installed, 0 to remove and 0 not upgraded.
nadilaafisarani@nadilaafisarani:~$ _
```

Apache2 harus diizinkan untuk memulai pada waktu boot sistem dan memulai layanan untuk memverifikasi statusnya juga.

```
nadilaafisarani@nadilaafisarani:~$ sudo systemctl enable apache2
```

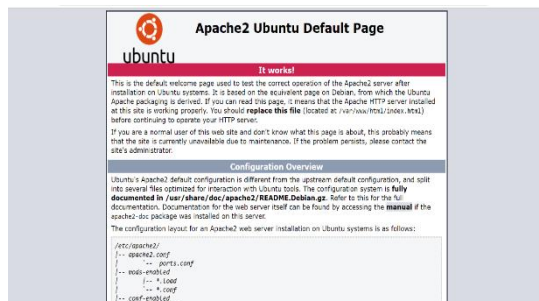
```
nadilaafisarani@nadilaafisarani:~$ sudo systemctl status apache2
```

```
nadilaafisarani@nadilaafisarani:~$ sudo systemctl enable apache2
Synchronizing state of apache2.service with SysV service script with /lib/systemd/systemd-sysv-install.
Executing: /lib/systemd/systemd-sysv-install enable apache2
nadilaafisarani@nadilaafisarani:~$ sudo systemctl status apache2
● apache2.service - The Apache HTTP Server
   Loaded: loaded (/lib/systemd/system/apache2.service; enabled; vendor preset: enabled)
   Drop-In: /lib/systemd/system/apache2.service.d
            └─ apache2-systemd.conf
   Active: active (running) since Wed 2023-10-25 10:20:49 UTC; 12min ago
   Main PID: 1093 (apache2)
   Tasks: 9 (limit: 1102)
   CGroup: /system.slice/apache2.service
           └─1093 /usr/sbin/apache2 -k start
             └─1121 /usr/sbin/apache2 -k start
               └─1122 /usr/sbin/apache2 -k start
                 └─1123 /usr/sbin/apache2 -k start
                   └─1124 /usr/sbin/apache2 -k start
                     └─1125 /usr/sbin/apache2 -k start
                       └─1513 /usr/sbin/apache2 -k start
                         └─1515 /usr/sbin/apache2 -k start
                           └─1516 /usr/sbin/apache2 -k start

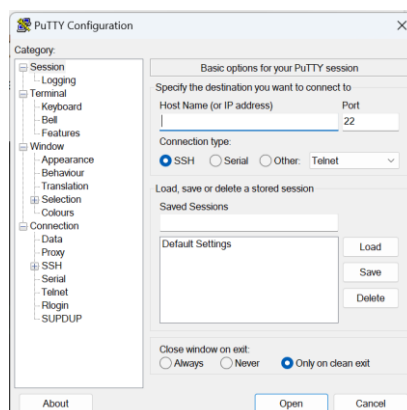
Oct 25 10:20:47 nadilaafisarani systemd[1]: Starting The Apache HTTP Server...
Oct 25 10:20:49 nadilaafisarani apachectl[908]: AH00558: apache2: Could not reliably determine the s
Oct 25 10:20:49 nadilaafisarani systemd[1]: Started The Apache HTTP Server.
lines 1-21/21 (END)
```

Buka browser web Anda, dan ketik localhost di kotak alamat untuk memverifikasi bahwa server **Apache** telah dimulai.

Jika server web Apache2 berjalan, maka akan menampilkan halaman indeks default Apache2.



Langkah 2: Remote ke puTTY



Buka puTTY yang telah di download, Kemudian akan tampil seperti gambar di atas lalu masukkan Ip Adress yang ada di ubuntu serever masing-masing.

```
nadilaafisarani@nadilaafisarani:~$
login as: nadilaafisarani
nadilaafisarani@10.9.122.204's password:
Welcome to Ubuntu 18.04.6 LTS (GNU/Linux 4.15.0-213-generic x86_64)

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

System information as of Thu Oct 26 13:32:23 UTC 2023

System load:  0.0          Processes:    109
Usage of /:   38.6% of 13.67GB   Users logged in: 1
Memory usage: 36%          IP address for enp0s3: 10.9.122.204
Swap usage:   0%

Expanded Security Maintenance for Infrastructure is not enabled.
0 updates can be applied immediately.

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

New release '20.04.6 LTS' available.
Run 'do-release-upgrade' to upgrade to it.

Last login: Thu Oct 26 12:54:37 2023
nadilaafisarani@nadilaafisarani:~$
```

Setelah Memasukkan Ip Address akan tampil Seperti gambar di atas, kemudian kita di suruh login dan memasukkan password ubuntu server kita, setelah di masukkan maka otomatis PuTTY akan mengakses apache.

Langkah 3: Remote ke CMD

```
nadilaafisarani@nadilaafisara x + v
Microsoft Windows [Version 10.0.22621.2428]
(c) Microsoft Corporation. All rights reserved.

C:\Users\asus>ssh nadilaafisarani@10.9.122.204
The authenticity of host '10.9.122.204 (10.9.122.204)' can't be established.
ED25519 key fingerprint is SHA256:XniK5QsXuQXjdSVLqCB2b+/aDf90rLETjLVx5yHN4ZM.
This key is not known by any other names
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently added '10.9.122.204' (ED25519) to the list of known hosts.
nadilaafisarani@10.9.122.204's password:
Welcome to Ubuntu 18.04.6 LTS (GNU/Linux 4.15.0-213-generic x86_64)

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

System information as of Thu Oct 26 14:32:38 UTC 2023

System load:  0.11          Processes:    111
Usage of /:   38.7% of 13.67GB   Users logged in: 1
Memory usage: 35%          IP address for enp0s3: 10.9.122.204
Swap usage:   0%

Expanded Security Maintenance for Infrastructure is not enabled.
0 updates can be applied immediately.

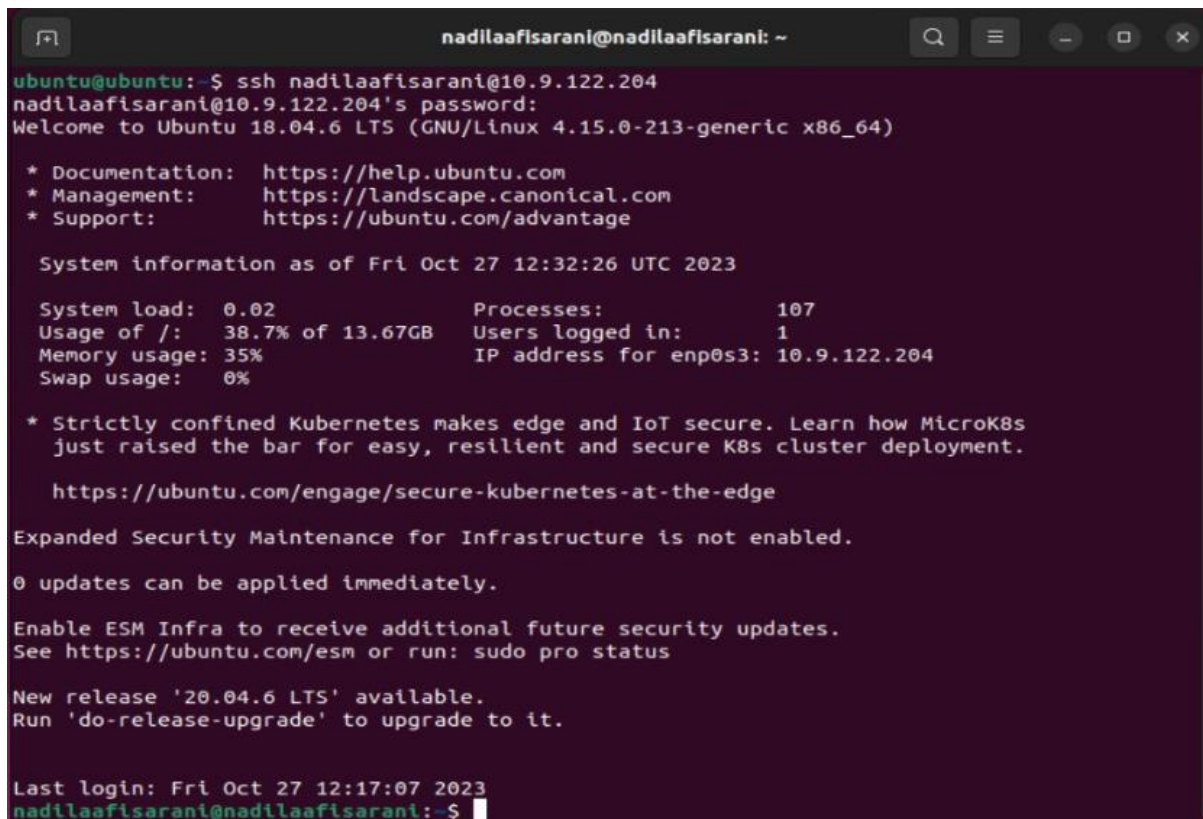
Enable ESM Infra to receive additional future security updates.
See https://ubuntu.com/esm or run: sudo pro status

New release '20.04.6 LTS' available.
Run 'do-release-upgrade' to upgrade to it.

Last login: Thu Oct 26 14:30:07 2023
nadilaafisarani@nadilaafisarani:~$
```

Langkah pertama buka CMD kemudian ketik `ssh namaubuntuserver@lp` Adress setelah itu tekan enter, dan kemudian akan ada pertanyaan apakah kita ingin sambungkan atau tidak, jika ingin di sambungkan maka ketik “yes” otomatis akan tersambung dengan apache yang ada di ubuntu server.

Langkah 4: Remote ke Ubuntu Desktop



```
nadilaafisarani@nadilaafisarani: ~  
ubuntu@ubuntu:~$ ssh nadilaafisarani@10.9.122.204  
nadilaafisarani@10.9.122.204's password:  
Welcome to Ubuntu 18.04.6 LTS (GNU/Linux 4.15.0-213-generic x86_64)  
  
* Documentation:  https://help.ubuntu.com  
* Management:    https://landscape.canonical.com  
* Support:        https://ubuntu.com/advantage  
  
System information as of Fri Oct 27 12:32:26 UTC 2023  
  
System load:  0.02               Processes:            107  
Usage of /:   38.7% of 13.67GB   Users logged in:     1  
Memory usage: 35%               IP address for enp0s3: 10.9.122.204  
Swap usage:   0%  
  
* Strictly confined Kubernetes makes edge and IoT secure. Learn how MicroK8s  
  just raised the bar for easy, resilient and secure K8s cluster deployment.  
  
https://ubuntu.com/engage/secure-kubernetes-at-the-edge  
  
Expanded Security Maintenance for Infrastructure is not enabled.  
  
0 updates can be applied immediately.  
  
Enable ESM Infra to receive additional future security updates.  
See https://ubuntu.com/esm or run: sudo pro status  
  
New release '20.04.6 LTS' available.  
Run 'do-release-upgrade' to upgrade to it.  
  
Last login: Fri Oct 27 12:17:07 2023  
nadilaafisarani@nadilaafisarani:~$
```

Langkah pertama buka ubuntu desktop kemudian ketik `ssh namaubuntuserver@lp` Adress setelah itu tekan enter, dan kemudian akan ada perintah untuk memasukkan password Anda, apabila sudah memasukkan password maka secara otomatis akan tersambung dengan apache yang ada di ubuntu server.

Langkah 5: Remote ke Handphone



Langkah pertama buka putty di handphone kemudian tekan titik tiga di pojok kanan kemudian ketik Ip Adress kalian setelah itu tekan sambungkan, setelah itu akan tersambung secara otomatis dengan apache yang ada di ubuntu server.