Laporan Pemrosesan Paralel



OLEH:

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Mata Kuliah : Pemrosesan Paralel

FAKULTAS ILMU KOMPUTER SISTEM KOMPUTER 2023

Menampilkan Apache pada Ubuntu

1. Login sebagai user

```
[ 39.966371] cloud-init[1199]: 2023–10–25 06:48:41,326 – cc_final_message.py[WARNING]: Used fallback datasource
Ubuntu 18.04.6 LTS mira tty1
mira login: almirah
ast login: Tue Oct 24 10:32:26 UTC 2023 on tty1
Welcome to Ubuntu 18.04.6 LTS (GNU/Linux 4.15.0–213–generic x86_64)
 * Documentation: https://help.ubuntu.com
                       https://landscape.canonical.com
https://ubuntu.com/advantage
  System information as of Wed Oct 25 06:50:01 UTC 2023

      System load:
      0.89
      Processes:
      93

      Usage of /:
      19.5% of 19.52GB
      Users logged in:
      0

      Memory usage:
      7%
      IP address for enp0s3:
      10.1.41.66

    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
42 updates can be applied immediately.
To see these additional updates run: apt list ––upgradable
Ubuntu comes with ABSOLUTELY NO WARRANTY, to the extent permitted by
```

2. Gunakan perintah "sudo apt update" untuk memperbarui daftar paket yang

tersedia

```
almirah@mira:~$ sudo apt update
[sudo] password for almirah:
Hit:1 http://id.archive.ubuntu.com/ubuntu bionic InRelease
Hit:2 http://id.archive.ubuntu.com/ubuntu bionic-updates InRelease
Hit:3 http://id.archive.ubuntu.com/ubuntu bionic–backports InRelease
Hit:4 http://id.archive.ubuntu.com/ubuntu bionic–security InRelease
Reading package lists... Done
Building dependency tree
Reading state information... Done
42 packages can be upgraded. Run 'apt list —upgradable' to see them.
almirah@mira:~$ _
```

3. Menginstall apache dengan perintah "sudo apt install apache2"

```
almirah@mira:~$ 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).
O upgraded, O newly installed, O to remove and 42 not upgraded.
almirah@mira:~$ _
```

4. Mengecek apk yang diinstal dengan perintah "sudo ufw app list"

```
almirah@mira:~$ sudo ufw app list
Available applications:
 Apache
 Apache Full
 Apache Secure
 OpenSSH
almirah@mira:~$ _
```

5. Gunakan perintah "sudo systemetl status apache2"

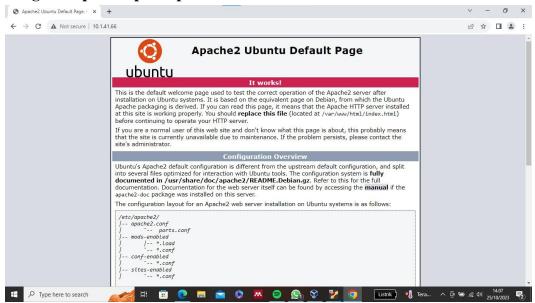
6. Mengecek apakah status apache telah aktif dengan perintah "sudo ufw status" apabila status inactive maka perlu diaktifkan dengan mengetik "sudo ufw enable"

```
almirah@mira:~$ sudo ufw status
Status: inactive
almirah@mira:~$ sudo ufw enable
Firewall is active and enabled on system startup
almirah@mira:~$ sudo ufw status
Status: active
                                      Action
Τo
                                                       From
Apache Full
                                      ALLOW
                                                       Anywhere
OpenSSH
                                      ALLOW
                                                       Anuwhere
Apache Full (v6)
                                      ALL OW
                                                       Anywhere (v6)
OpenSSH (v6)
                                      ALLOW
                                                       Anywhere (v6)
```

7. Gunakan perintah "hostname -I" untuk melihat ip address

```
almirah@mira:~$ hostname –I
10.1.41.66
almirah@mira:~$ _
```

8. Mengecek apache2 pada ip address



9. Masuk ke direktori

```
almirah@mira:~$ cd /var/www/html
almirah@mira:/var/www/html$ sudo mkdir tugas1
mkdir: cannot create directory 'tugas1': File exists
almirah@mira:/var/www/html$ sudo mkdir Tugas1
almirah@mira:/var/www/html$ sudo chmod 777 Tugas1
almirah@mira:/var/www/html$ cd Tugas1
almirah@mira:/var/www/html/Tugas1$
```

10. Mengedit



11. Tampilan di website





• Remote ke CMD

1. Login ke dalam CMD dengan perintah "ssh user@ip address"

```
Are you sure you want to continue connecting (yes/no/[fingerprint])? no Host key verification failed.

C:\Users\user\ssh almirah@ni.1.41.66
The authenticity of host '10.1.41.66 (10.1.41.66)' can't be established.
ECDSA key fingerprint is SHAZ56:SpiRp)PcqoFEeGl0]lkG44DCDKSMANNRpiqSaM5F3RY.
Are you sure you want to continue connecting (yes/no/[fingerprint])? y
Please type 'yes', 'no' or the fingerprint: yes
Warning: Permanently added '10.1.41.66' (ECDSA) to the list of known hosts.
almirah@la.1.41.66' spassword:
Welcome to Ubuntu 18.04.6 LTS (GNU/Linux 4.15.0-213-generic x86_64)

* Documentation: https://landscape.canonical.com

* Nanagement: https://landscape.canonical.com

* Support: https://lbuntu.com/advantage

System information as of Wed Oct 25 07:33:01 UTC 2023

System load: 0.0 Processes: 93
Usage of /: 19.5% of 19.5268 Users logged in: 1
Memory usage: 7%

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

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

Ubuntu comes with ABSOLUTELY NO WARRANTY, to the extent permitted by applicable law.

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

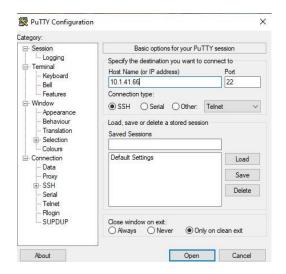
Last login: Wed Oct 25 06:50:01 2023
almirah@mira: 5 —
```

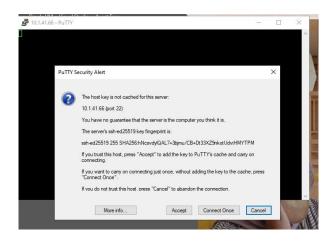
Sama seperti pengendalian pada ubuntu, kita dapat melakukan perintah perintah dasar pada command prompt

```
almirah@mira: $ sudo apt update
[sudo] password for almirah:
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 1s (204 kB/s)
Reading package lists... Done
Building dependency tree
Reading state information... Done
42 packages can be upgraded. Run 'apt list --upgradable' to see them.
41 almirah@mira: $ 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 42 not upgraded.
almirah@mira: $ cd Tugas1
-bash: cd: Tugas1: No such file or directory
almirah@mira: $ cd /var/www/html
almirah@mira: $ cd /var/www/html
almirah@mira: $ cd /var/www/html
almirah@mira: $ al
```

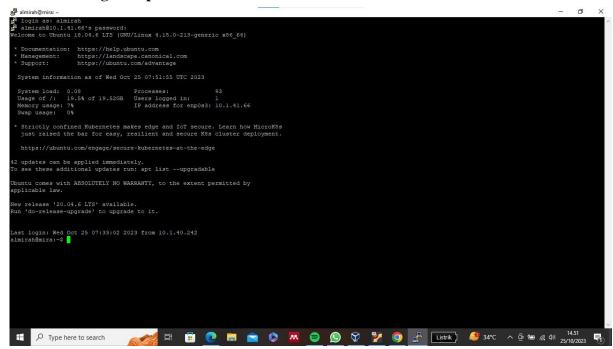
Remote ke PuTTY

1. Input Hostname/IP address

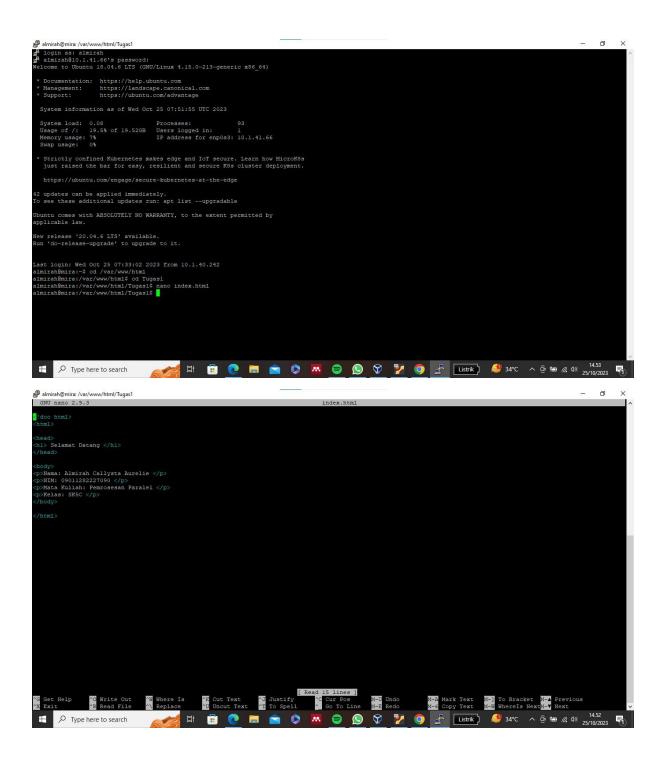




2. Login ke puTTY



Sama seperti penjelasan sebelumnya, di puTTY pun kita dapat mengendalikan perintah dasar dengan command command yang ada.



• Remote ke Ubuntu Desktop

1. Login ke ubuntu desktop dengan menggunakan command "ssh user@ip.address"

