

CARA MENDOWNLOAD DAN MENAMPILKAN APACHE SERTA  
MELAKUKAN REMOTE



Disusun Oleh :  
Tsaniatu Zahrah Azizah  
(09011282227033)

Kelas : SK3C

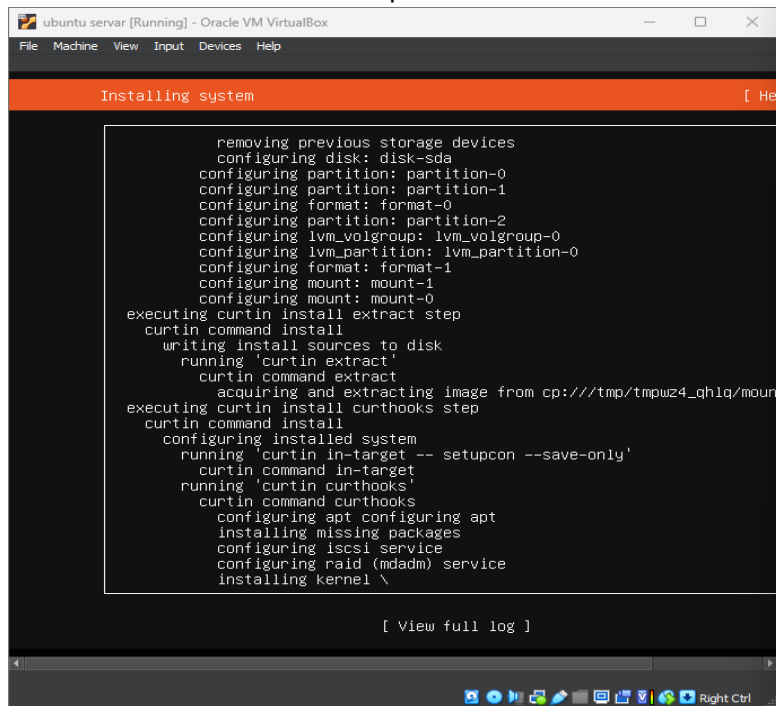
Mata Kuliah : Pemrosesan Paralel

Dosen Pengampu :  
Adi Hermansyah, S.Kom., M.T.

**JURUSAN SISTEM KOMPUTER  
FAKULTAS ILMU KOMPUTER  
UNIVERSITAS SRIWIJAYA  
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## Langkah-langkah mendownload dan menampilkan apache

1. Mendownload file iso ubuntu server pada web ubuntu
2. Lakukan instalasi ubuntu server pada virtual box



```
ubuntu server [Running] - Oracle VM VirtualBox
File Machine View Input Devices Help

Installing system [ He

removing previous storage devices
configuring disk: disk-sda
configuring partition: partition-0
configuring partition: partition-1
configuring format: format-0
configuring partition: partition-2
configuring lvm_volgroup: lvm_volgroup-0
configuring lvm_partition: lvm_partition-0
configuring format: format-1
configuring mount: mount-1
configuring mount: mount-0
executing curtin install extract step
  curtin command install
    writing install sources to disk
    running 'curtin extract'
    curtin command extract
      acquiring and extracting image from cp:///tmp/tmpwz4_qh1q/moun
executing curtin install curthooks step
  curtin command install
    configuring installed system
    running 'curtin in-target -- setupcon --save-only'
    curtin command in-target
    running 'curtin curthooks'
    curtin command curthooks
      configuring apt configuring apt
      installing missing packages
      configuring iscsi service
      configuring raid (mdadm) service
      installing kernel \

[ View full log ]
```

3. Selanjutnya setelah selesai menginstall, lakukan login user
  4. Kemudian masuk sebagai root
- ```
zaraa@zaraa:~$ sudo su
```
5. Lakukan instalasi apache2 dengan menggunakan perintah “apt-get install apache2”
- ```
root@zaraa:/home/zaraa# apt-get install apache2
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
apache2 is already the newest version (2.4.52-1ubuntu4.6).
0 upgraded, 0 newly installed, 0 to remove and 28 not upgraded.
root@zaraa:/home/zaraa#
```
6. Kita dapat mengecek apakah apache2 yang kita install sudah active atau belum dengan “systemctl status apache2”

```
root@zaraa:/home/zaraa# systemctl status apache2
● apache2.service - The Apache HTTP Server
   Loaded: loaded (/lib/systemd/system/apache2.service; enabled; vendor preset: ena
   Active: active (running) since Tue 2023-10-24 14:12:53 UTC; 19min ago
     Docs: https://httpd.apache.org/docs/2.4/
   Main PID: 2164 (apache2)
    Tasks: 55 (limit: 2221)
   Memory: 5.3M
      CPU: 148ms
   CGroup: /system.slice/apache2.service
           └─2164 /usr/sbin/apache2 -k start
             └─2166 /usr/sbin/apache2 -k start
               └─2167 /usr/sbin/apache2 -k start

Oct 24 14:12:53 zaraa systemd[1]: Starting The Apache HTTP Server...
Oct 24 14:12:53 zaraa apachectl[2163]: AH00558: apache2: Could not reliably determine
Oct 24 14:12:53 zaraa systemd[1]: Started The Apache HTTP Server.
lines 1-16/16 (END)
```

7. Setelah itu lakukan pengecekan terhadap ip kita dengan menggunakan “ifconfig”

```

root@zaraa:/home/zaraa# ifconfig
enp0s3: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500
    inet 192.168.125.52 netmask 255.255.255.0 broadcast 192.168.125.255
    inet6 fe80::a00:27ff:fe4f:6650 prefixlen 64 scopeid 0x20<link>
    ether 08:00:27:4f:66:50 txqueuelen 1000 (Ethernet)
    RX packets 2058 bytes 2757387 (2.7 MB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 989 bytes 75222 (75.2 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 164 bytes 14984 (14.9 KB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 164 bytes 14984 (14.9 KB)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

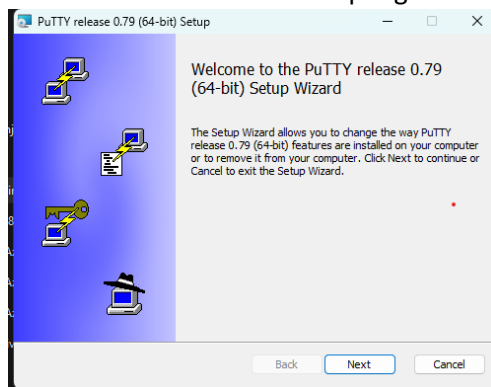
```

8. Setelah itu masuk ke web browser dan masukkan ip kita tadi
9. Maka akan muncul tampilan apache2

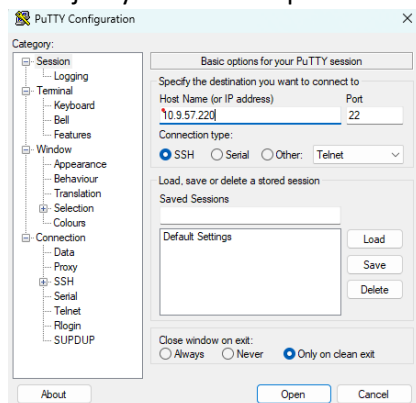


## Melakukan remote melalui PuTTY

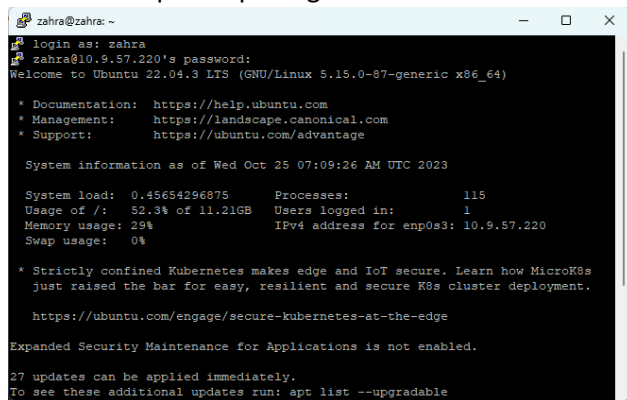
1. Mendownload PuTTY pada web browser
2. Setelah didownload lakukan penginstalan terhadap PuTTY



3. Setelah itu buka aplikasi PuTTY
4. Selanjutnya masukkan ip kita



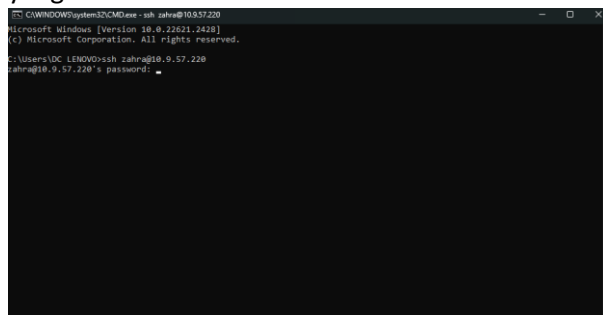
5. Dan remote pun dapat digunakan.



```
zahra@zahra: ~  
login as: zahra  
zahra@10.9.57.220's password:  
Welcome to Ubuntu 22.04.3 LTS (GNU/Linux 5.15.0-97-generic x86_64)  
  
 * Documentation:  https://help.ubuntu.com  
 * Management:    https://landscape.canonical.com  
 * Support:        https://ubuntu.com/advantage  
  
System information as of Wed Oct 25 07:09:26 AM UTC 2023  
  
System load:  0.45654296875      Processes:    115  
Usage of /:   52.3% of 11.21GB   Users logged in: 1  
Memory usage: 29%              IPv4 address for enp0s3: 10.9.57.220  
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 Applications is not enabled.  
  
27 updates can be applied immediately.  
To see these additional updates run: apt list --upgradable
```

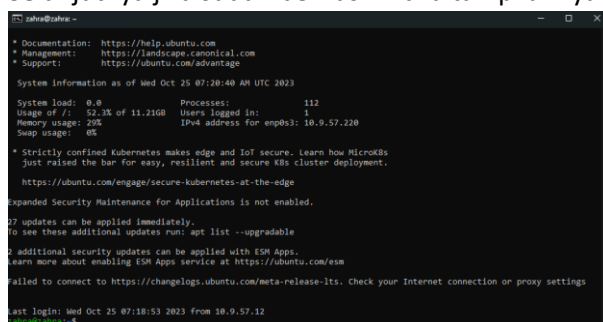
## Menggunakan CMD

1. Buka Ubuntu server dan cek ip dari ubuntu server yang sedang digunakan, dengan menggunakan perintah “hostname -I”
2. Kemudian buka CMD dan ketik perintah “ssh username@ipaddress”, jika username dan ip yang masukkan benar mak kita akan diminta untuk memasukkan password.



```
C:\WINDOWS\system32\CMD.exe -sh zahra@10.9.57.220  
Microsoft Windows [Version 10.0.22621.2428]  
(c) Microsoft Corporation. All rights reserved.  
  
C:\Users\LOC\LENOVO>ssh zahra@10.9.57.220  
zahra@10.9.57.220's password:   
Last login: Wed Oct 25 07:10:53 2023 from 10.9.57.12  
zahra@zahra:~$
```

3. Selanjutnya jika sudah berhasil maka tampilannya akan seperti pada gambar dibawah ini.



```
zahra@zahra: ~  
 * Documentation:  https://help.ubuntu.com  
 * Management:    https://landscape.canonical.com  
 * Support:        https://ubuntu.com/advantage  
  
System information as of Wed Oct 25 07:10:40 AM UTC 2023  
  
System load:  0.8              Processes:    112  
Usage of /:   52.3% of 11.21GB   Users logged in: 1  
Memory usage: 20%              IPv4 address for enp0s3: 10.9.57.220  
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 Applications is not enabled.  
  
27 updates can be applied immediately.  
To see these additional updates run: apt list --upgradable  
  
2 additional security updates can be applied with ESM Apps.  
Learn more about enabling ESM Apps service at https://ubuntu.com/esm  
  
Failed to connect to https://changelogs.ubuntu.com/meta-release-lts. Check your Internet connection or proxy settings  
  
Last login: Wed Oct 25 07:10:53 2023 from 10.9.57.12  
zahra@zahra:~$
```

4. Jika sudah berhasil kita dapat melakukan remote ubuntu server melalui CMD.

## Menggunakan Linux Mint

```
zahra@zahra: ~  
File Edit View Search Terminal Help  
zahra@zahra-VirtualBox:~$ ssh zahra@10.8.140.197  
zahra@10.8.140.197's password:  
Welcome to Ubuntu 22.04.3 LTS (GNU/Linux 5.15.0-87-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 05:51:26 AM UTC 2023  
  
System load:  0.16650390625      Processes:            110  
Usage of /:   44.1% of 11.21GB   Users logged in:     1  
Memory usage: 11%               IPv4 address for enp0s3: 10.8.140.197  
Swap usage:   0%  
  
Expanded Security Maintenance for Applications is not enabled.  
  
23 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
```