

LAPORAN PEMROSESAN PARALEL
(Mengunduh Apache Ubuntu Server)



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FAKULTAS ILMU KOMPUTER
PROGRAM STUDI SISTEM KOMPUTER
UNIVERSITAS SRIWIJAYA
2023

- Laporan step by step cara mendownload dan menampilkan apache serta melakukan remote ke cmd, PuTTY, dan Ubuntu Desktop.

Cara Mendownload dan Menampilkan Apache

1. Login di ubuntu server sebagai user

```
Ubuntu 18.04.6 LTS nabilla tty1
nabilla login: nabilla
Password:
Last login: Tue Oct 24 09:16:16 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
 * Management:    https://landscape.canonical.com
 * Support:       https://ubuntu.com/advantage

System information disabled due to load higher than 1.0

 * 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.

nabilla@nabilla:~$
```

2. Gunakan perintah atau command **sudo apt update** untuk memperbarui daftar paket yang tersedia.

```
nabilla@nabilla:~$ sudo apt update
[sudo] password for nabilla:
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.
```

3. Install apache dengan perintah **sudo apt install apache2**

```
nabilla@nabilla:~$ 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.
```

4. Cek apk yang diinstall dengan perintah **sudo ufw app list**

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

5. Menggunakan perintah `sudo systemctl status apache2`

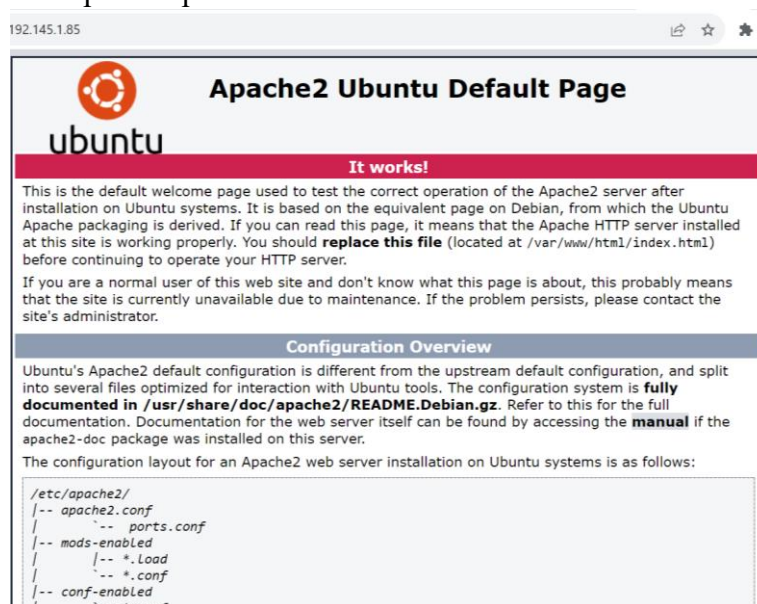
```
nabilla@nabilla:~$ sudo systemctl status apache2
● apache2.service - The Apache HTTP Server
   Loaded: loaded (/lib/systemd/system/apache2.service; enabled; vendor preset: enabled)
  Drop-In: /lib/systemd/system/apache2.service.d
           └─apache2-systemd.conf
   Active: active (running) since Wed 2023-10-25 06:53:40 UTC; 8min ago
     Process: 1105 ExecStart=/usr/sbin/apachectl start (code=exited, status=0/SUCCESS)
    Main PID: 1305 (apache2)
      Tasks: 55 (limit: 2311)
   CGroup: /system.slice/apache2.service
           └─1305 /usr/sbin/apache2 -k start
             └─1307 /usr/sbin/apache2 -k start
               └─1308 /usr/sbin/apache2 -k start

Oct 25 06:53:39 nabilla systemd[1]: Starting The Apache HTTP Server...
Oct 25 06:53:40 nabilla apachectl[1105]: AH00558: apache2: Could not reliably determine the server's
Oct 25 06:53:40 nabilla systemd[1]: Started The Apache HTTP Server.
lines 1-16/16 (END)
```

6. Gunakan perintah `hostname -I`

```
nabilla@nabilla:~$ hostname -I
192.145.1.85
nabilla@nabilla:~$ ip a
1: lo: <LOOPBACK,UP,LOWER_UP> mtu 65536 qdisc noqueue state UNKNOWN group default qlen 1000
    link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00
    inet 127.0.0.1/8 scope host lo
        valid_lft forever preferred_lft forever
    inet6 ::1/128 scope host
        valid_lft forever preferred_lft forever
2: enp0s3: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc fq_codel state UP group default qlen 1000
    link/ether 08:00:27:48:0f:05 brd ff:ff:ff:ff:ff:ff
    inet 192.145.1.85/24 brd 192.145.1.255 scope global dynamic enp0s3
        valid_lft 86229sec preferred_lft 86229sec
    inet6 fe80::a00:27ff:fe48:f05/64 scope link
        valid_lft forever preferred_lft forever
nabilla@nabilla:~$
```

7. Cek apache2 pada IP address



8. Masuk ke direktori

```
nabilla@nabilla:/var/www/html$ sudo mkdir nabilla
nabilla@nabilla:/var/www/html$ sudo chmod 777 nabilla
nabilla@nabilla:/var/www/html$ cd nabilla
nabilla@nabilla:/var/www/html/nabilla$ nano index.html
```

9. Mengedit di HTML

```
GNU nano 2.9.3 index.html

<html>
<head>

<title> Website Nabilla </title>
</head>
<h1>
<body> Hallo! Welcome To Website </h1>
<p> Nabilla Suci Febriani
<p> SK3C
<p> 09011182227018

</body>
</html>_
```

10. Tampilan di web



Cara Remote ke CMD

```
nabilla@nabilla: ~
Microsoft Windows [Version 10.0.22621.2428]
(c) Microsoft Corporation. All rights reserved.

C:\Users\USER>ssh nabilla@192.145.1.85
The authenticity of host '192.145.1.85 (192.145.1.85)' can't be established.
ED25519 key fingerprint is SHA256:YLcQYB3c29mTelFhwsuwkvBuQ+W8X+0fMY0B11NBjs.
This host key is known by the following other names/addresses:
  C:\Users\USER/.ssh/known_hosts:1: 19.1.42.166
  C:\Users\USER/.ssh/known_hosts:4: 192.168.34.139
Are you sure you want to continue connecting (yes/no/[fingerprint])? y
Please type 'yes', 'no' or the fingerprint: yes
Warning: Permanently added '192.145.1.85' (ED25519) to the list of known hosts.
nabilla@192.145.1.85'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 Sat Oct 28 10:52:27 UTC 2023

System load:  0.0          Processes:      93
Usage of /:   19.5% of 19.52GB   Users logged in: 1
Memory usage: 7%            IP address for enp0s3: 192.145.1.85
Swap usage:   0%

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To see these additional updates run: apt list --upgradable

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applicable law.

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

Last login: Sat Oct 28 10:37:30 2023
nabilla@nabilla:~$
```

```
nabilla@nabilla: ~
GNU nano 2.9.3                               index.html

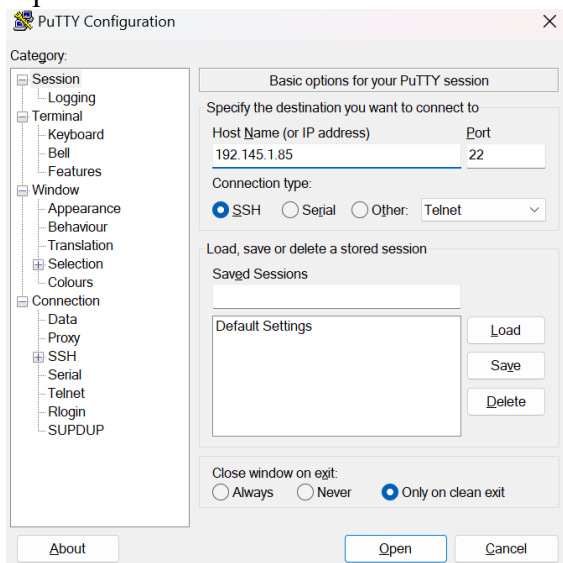
<html>
<head>

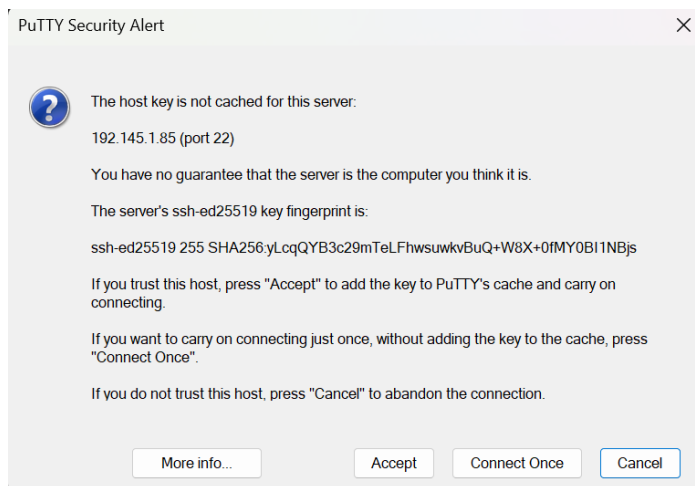
<title> Website Nabilla </title>
</head>
<h1>
<body> Hai! Selamat Datang di Website </h1>
<p> Nabilla Suci Febriani
<p> 09011182227018
<p> SK3C

</body>
</html>
```

Cara Remote ke PuTTY

Input Hostname

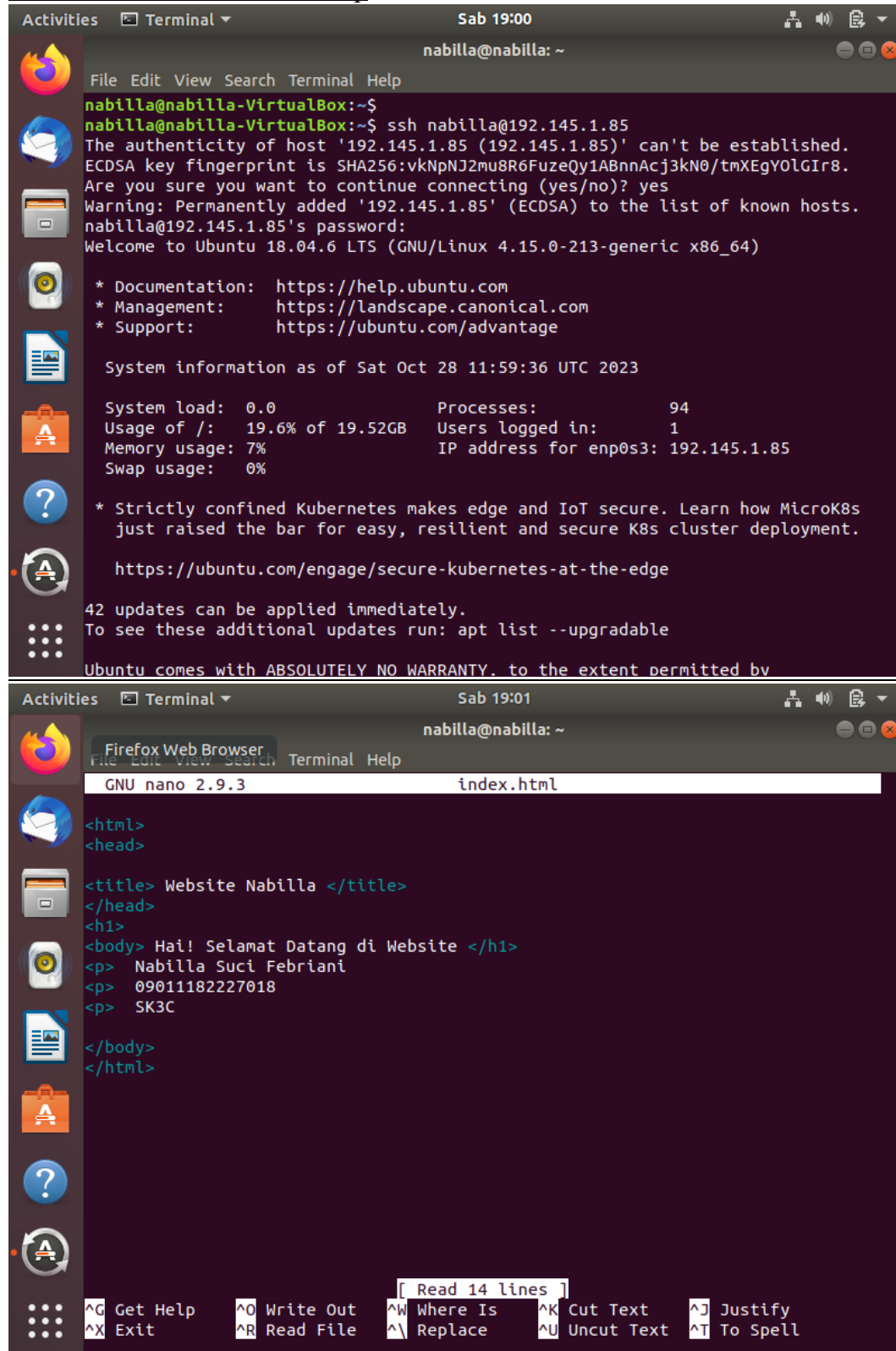




Login ke PuTTY

```
nabilla@nabilla: ~  
login as: nabilla  
nabilla@192.145.1.85'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 Sat Oct 28 10:56:30 UTC 2023  
  
System load:  0.0           Processes:      93  
Usage of /:   19.5% of 19.52GB Users logged in:  1  
Memory usage: 7%           IP address for enp0s3: 192.145.1.85  
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: Sat Oct 28 10:52:27 2023 from 192.145.1.50  
nabilla@nabilla:~$  
  
nabilla@nabilla: ~  
GNU nano 2.9.3 index.html  
  
<html>  
<head>  
  
<title> Website Nabilla </title>  
</head>  
<h1>  
<body> Hai! Selamat Datang di Website </h1>  
<p> Nabilla Suci Febriani  
<p> 09011182227018  
<p> SK3C  
  
</body>  
</html>
```

Cara Remote ke Ubuntu Desktop



The image shows two screenshots of a terminal window. The top screenshot shows an SSH connection from a local machine to a remote Ubuntu server. The user 'nabilla' connects to the IP '192.145.1.85'. The terminal displays the SSH banner, system information, and a list of updates. The bottom screenshot shows the user editing an 'index.html' file in the nano text editor. The file content is an HTML document with a title 'Website Nabilla' and a body containing a greeting and contact information.

```
Activities Terminal Sab 19:00
nabilla@nabilla: ~
File Edit View Search Terminal Help
nabilla@nabilla-VirtualBox:~$
nabilla@nabilla-VirtualBox:~$ ssh nabilla@192.145.1.85
The authenticity of host '192.145.1.85 (192.145.1.85)' can't be established.
ECDSA key fingerprint is SHA256:vkNpNJ2mu8R6FuzeQy1ABnnAcj3kN0/tmXEgY0lGlr8.
Are you sure you want to continue connecting (yes/no)? yes
Warning: Permanently added '192.145.1.85' (ECDSA) to the list of known hosts.
nabilla@192.145.1.85'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 Sat Oct 28 11:59:36 UTC 2023

System load:  0.0               Processes:           94
Usage of /:   19.6% of 19.52GB   Users logged in:    1
Memory usage: 7%               IP address for enp0s3: 192.145.1.85
Swap usage:   0%

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   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
```

```
Activities Terminal Sab 19:01
nabilla@nabilla: ~
Firefox Web Browser
File Edit View Search Terminal Help
GNU nano 2.9.3 index.html

<html>
<head>

<title> Website Nabilla </title>
</head>
<h1>
<body> Hai! Selamat Datang di Website </h1>
<p> Nabilla Suci Febriani
<p> 09011182227018
<p> SK3C

</body>
</html>
```

[Read 14 lines]

^G Get Help	^O Write Out	^W Where Is	^K Cut Text	^J Justify
^X Exit	^R Read File	^L Replace	^U Uncut Text	^T To Spell