

LAPORAN PEMROSESAN PARALEL



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FAKULTAS ILMU KOMPUTER
PROGRAM STUDI SISTEM KOMPUTER
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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 sebagai user di ubuntu server

```
Ubuntu Server [Running] - Oracle VM VirtualBox
Ubuntu 18.04.6 LTS ekaratna tty1
ekaratna login:
Password:
Last login: Wed Oct 25 01:21:10 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 as of Wed Oct 25 13:28:49 UTC 2023

System load:  0.27               Processes:    92
Usage of /:   20.9% of 19.52GB   Users logged in: 0
Memory usage: 10%               IP address for enp0s3: 192.168.100.131
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.

ekaratna@ekaratna:~$
```

2. Gunakan perintah “sudo apt update” untuk memperbarui daftar paket yang tersedia

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

3. Menginstall apache dengan perintah “sudo apt install apache2”

```
ekaratna@ekaratna:~$ sudo apt install apache2_
```

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

```
Processing triggers for libc-bin (2.27-3ubuntu1.5) ...
ekaratna@ekaratna:~$ sudo ufw app list
Available applications:
  Apache
  Apache Full
  Apache Secure
  Nginx Full
  Nginx HTTP
  Nginx HTTPS
  OpenSSH
ekaratna@ekaratna:~$
```

5. Gunakan perintah “sudo systemctl status apache2”

```
● nginx.service - A high performance web server and a reverse proxy server
   Loaded: loaded (/lib/systemd/system/nginx.service; enabled; vendor preset: enabled)
   Active: active (running) since Tue 2023-10-24 05:49:41 UTC; 8min ago
     Docs: man:nginx(8)
    Main PID: 2481 (nginx)
      Tasks: 2 (limit: 2311)
   CGroup: /system.slice/nginx.service
           └─2481 nginx: master process /usr/sbin/nginx -g daemon on; master_process on;
             └─2483 nginx: worker process

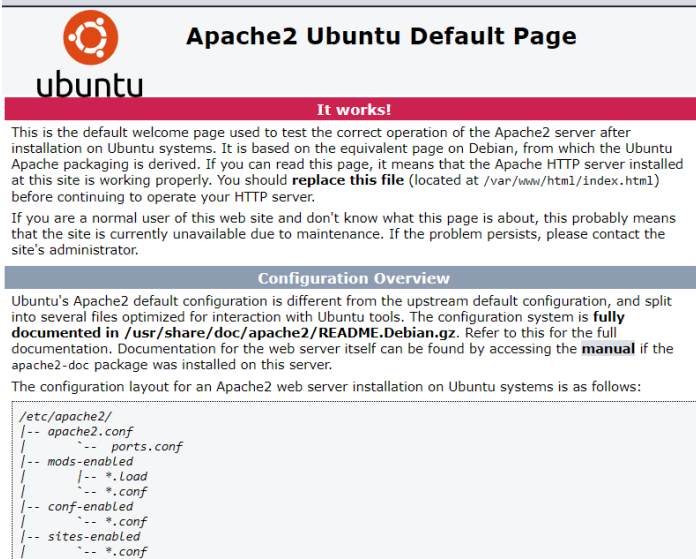
Oct 24 05:49:41 ekaratna systemd[1]: Starting A high performance web server and a reverse proxy serv
Oct 24 05:49:41 ekaratna systemd[1]: nginx.service: Failed to parse PID from file /run/nginx.pid: In
Oct 24 05:49:41 ekaratna systemd[1]: Started A high performance web server and a reverse proxy serve
ekaratna@ekaratna:~$ sudo systemctl status nginx
```

6. Gunakan perintah “hostname -I” untuk melihat ip address

```
ekaratna@ekaratna:~$ hostname -I
192.168.100.131 2001:448a:10ec:286b:a00:27ff:fe36:ff65
ekaratna@ekaratna:~$
```

7. Mengecek apache2 pada ip address

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Apache2 Ubuntu Default Page

It works!

This is the default welcome page used to test the correct operation of the Apache2 server after installation on Ubuntu systems. It is based on the equivalent page on Debian, from which the Ubuntu Apache packaging is derived. If you can read this page, it means that the Apache HTTP server installed at this site is working properly. You should **replace this file** (located at `/var/www/html/index.html`) before continuing to operate your HTTP server.

If you are a normal user of this web site and don't know what this page is about, this probably means that the site is currently unavailable due to maintenance. If the problem persists, please contact the site's administrator.

Configuration Overview

Ubuntu's Apache2 default configuration is different from the upstream default configuration, and split into several files optimized for interaction with Ubuntu tools. The configuration system is **fully documented in `/usr/share/doc/apache2/README.Debian.gz`**. Refer to this for the full documentation. Documentation for the web server itself can be found by accessing the **manual** if the `apache2-doc` package was installed on this server.

The configuration layout for an Apache2 web server installation on Ubuntu systems is as follows:

```
/etc/apache2/
|-- apache2.conf
|   |-- ports.conf
|-- mods-enabled
|   |-- *.load
|   |-- *.conf
|-- conf-enabled
|   |-- *.conf
|-- sites-enabled
|   |-- *.conf
```

8. Masuk ke direktori

```
ekaratna@ekaratna:~$ cd /var/www/html
ekaratna@ekaratna:/var/www/html$ sudo mkdir tugas1
[sudo] password for ekaratna:
eSorry, try again.
[sudo] password for ekaratna:
ekaratna@ekaratna:/var/www/html$ sudo chmod 777 tugas1
ekaratna@ekaratna:/var/www/html$ cd tugas1
ekaratna@ekaratna:/var/www/html/tugas1$ _
```

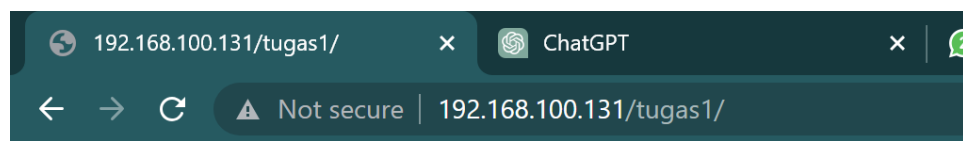
9. Mengedit

```
GNU nano 2.9.3 index.html
<html>
<head>

<title> website khairunnisa </title>
</head>
<h1>
<body> Hallo! Selamat datang di website </h1>
<p> Nama : Khairunnisa Junaidi
<p> Nim : 09011282227072
<p> Kelas : SK5C

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

10. Tampilan di website



Nama : Eka Ratna Anindita Kelas : SK5C NIM : 09011282227045

Cara Remote ke CMD

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

C:\Users\user>ssh ekaratna@192.168.100.131
The authenticity of host '192.168.100.131 (192.168.100.131)' can't be established.
ED25519 key fingerprint is SHA256:69u7unOYFUF9inUoDJ8opvvXWcZ2c4jXMghoTE1g.
This key is not known by any other names
Are you sure you want to continue connecting (yes/no/[fingerprint])? y
Please type 'yes', 'no' or the fingerprint: yes
Warning: Permanently added '192.168.100.131' (ED25519) to the list of known hosts.
ekaratna@192.168.100.131'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 Wed Oct 25 13:52:32 UTC 2023

System load:  0.04               Processes:    96
Usage of /:   20.9% of 19.52GB   Users logged in: 1
Memory usage: 10%              IP address for enp0s3: 192.168.100.131
Swap usage:   0%

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   https://ubuntu.com/engage/secure-kubernetes-at-the-edge

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

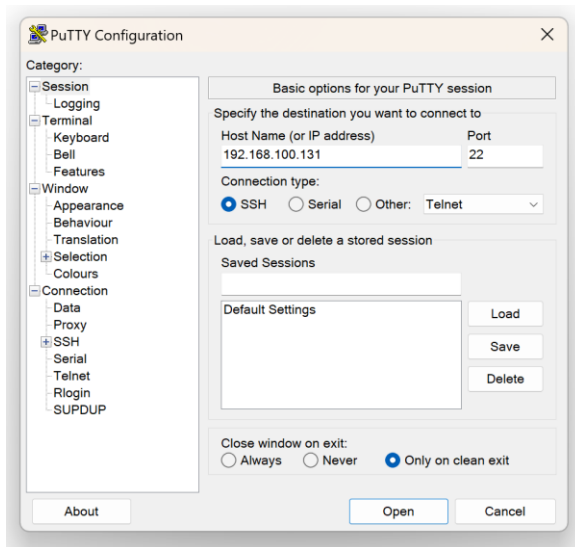
Ubuntu comes with ABSOLUTELY NO WARRANTY, to the extent permitted by
applicable law.

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

Last login: Wed Oct 25 13:48:29 2023 from 192.168.100.55
ekaratna@ekaratna:~$
```

Cara Remote ke PuTTY

Input hostname



Login ke PuTTY

```
ekaratna@ekaratna: ~  
login as: ekaratna  
ekaratna@192.168.100.131'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 Wed Oct 25 14:01:58 UTC 2023  
  
System load:  0.0          Processes:    93  
Usage of /:   20.9% of 19.52GB  Users logged in:  1  
Memory usage: 10%          IP address for enp0s3: 192.168.100.131  
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  
  
2 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 13:52:32 2023 from 192.168.100.55  
ekaratna@ekaratna:~$
```

Remote ke Ubuntu Desktop

```
khairunnisa@10.1.12.91's password:  
Welcome to Ubuntu 18.04.6 LTS (GNU/Linux 4.15.0-156-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 05:05:02 UTC 2023  
  
System load:  0.07          Processes:    109  
Usage of /:   19.8% of 19.56GB  Users logged in:  1  
Memory usage: 8%          IP address for enp0s3: 10.1.12.91  
Swap usage:   0%  
  
206 updates can be applied immediately.  
167 of these updates are standard security updates.  
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 05:04:42 2023  
khairunnisa@khairunnisa:~$
```

