

Task 2

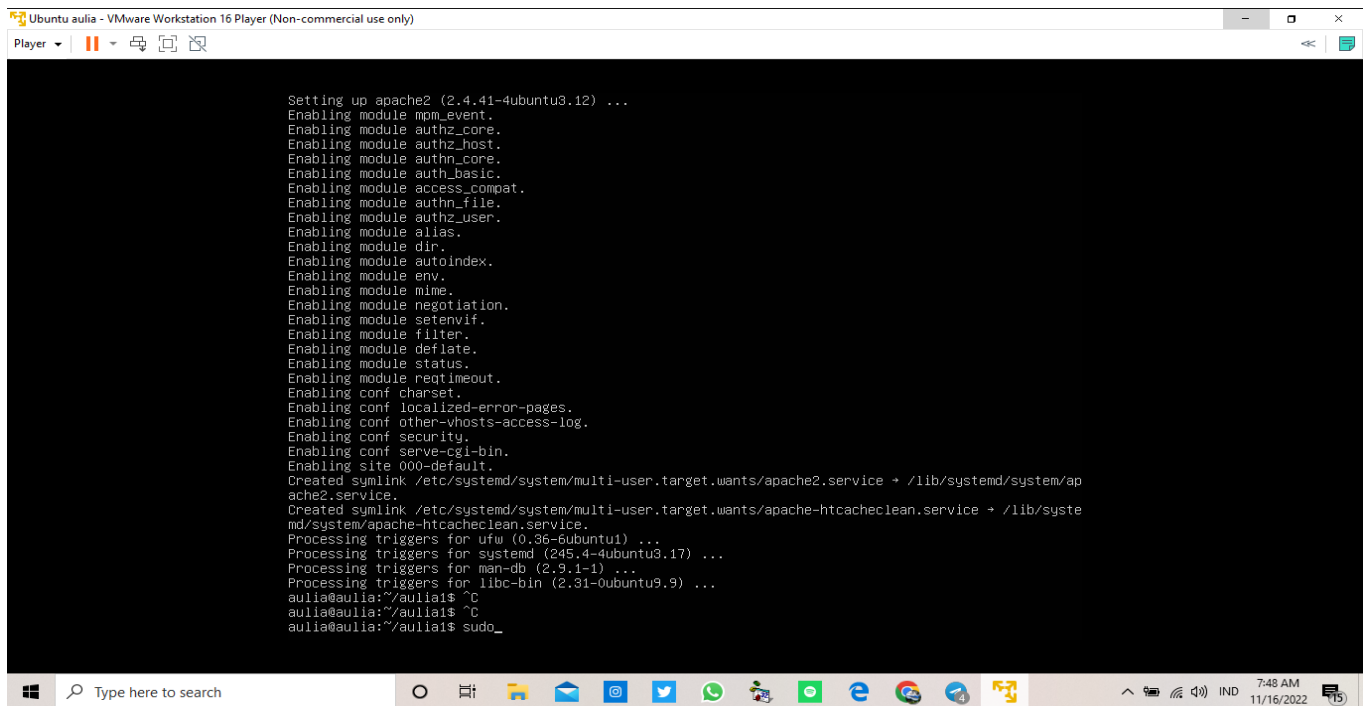
1. IP publik adalah alamat ip yang digunakan pada router untuk berkomunikasi dengan jaringan yang lebih luas. Diberikan oleh penyedia layanan internet, dimana terdapat informasi sehingga dapat di lacak

IP private adalah alamat ip pribadi yang dimiliki oleh setiap perangkat

2. IP dinamis adalah merupakan pemberian IP secara otomatis dalam sebuah jaringan baik itu IP private ataupun IP publik, IP ini akan berubah ubah setiap waktu

IP statis adalah pemberian IP yang tidak akan berubah, harus di konfigurasi manual jika ingin menggunakan IP statis.

Soal 3



```
Setting up apache2 (2.4.41-4ubuntu3.12) ...
Enabling module mpm_event.
Enabling module authz_core.
Enabling module authz_host.
Enabling module authn_core.
Enabling module authn_basic.
Enabling module access_compat.
Enabling module authn_file.
Enabling module authz_user.
Enabling module alias.
Enabling module dir.
Enabling module autoindex.
Enabling module env.
Enabling module mime.
Enabling module negotiation.
Enabling module setenvif.
Enabling module filter.
Enabling module deflate.
Enabling module status.
Enabling module reqtimeout.
Enabling conf charset.
Enabling conf localized-error-pages.
Enabling conf other-vhosts-access-log.
Enabling conf security.
Enabling conf serve-cgi-bin.
Enabling site 000-default.
Created symlink /etc/systemd/system/multi-user.target.wants/apache2.service → /lib/systemd/system/apache2.service.
Created symlink /etc/systemd/system/multi-user.target.wants/apache-htcacheclean.service → /lib/systemd/system/apache-htcacheclean.service.
Processing triggers for ufw (0.36-6ubuntu1) ...
Processing triggers for systemd (245.4-4ubuntu3.17) ...
Processing triggers for man-db (2.9.1-1) ...
Processing triggers for libc-bin (2.31-0ubuntu9.9) ...
aulia@aulia:~/aulia1$ ^C
aulia@aulia:~/aulia1$ ^C
aulia@aulia:~/aulia1$ sudo _
```

```
Ubuntu aulia - VMware Workstation 16 Player (Non-commercial use only)

After this operation, 593 kB of additional disk space will be used.
Get:1 http://id.archive.ubuntu.com/ubuntu focal-updates/main amd64 unzip amd64 6.0-25ubuntu1.1 [168 kB]
Fetched 168 kB in 3s (49.5 kB/s)
Selecting previously unselected package unzip.
(Reading database ... 72791 files and directories currently installed.)
Preparing to unpack .../unzip_6.0-25ubuntu1.1_amd64.deb ...
Unpacking unzip (6.0-25ubuntu1.1) ...
Setting up unzip (6.0-25ubuntu1.1) ...
Processing triggers for mime-support (3.64ubuntu1) ...
Processing triggers for man-db (2.9.1-1) ...
aulia@aulia:~/aulia$ unzip latest.apache2
unzip: cannot find or open latest.apache2, latest.apache2.zip or latest.apache2.ZIP.
aulia@aulia:~/aulia$ sudo apt install apache2
[sudo] password for aulia:
Reading package lists... Done
Building dependency tree
Reading state information... Done
apache2 is already the newest version (2.4.41-4ubuntu3.12).
0 upgraded, 0 newly installed, 0 to remove and 21 not upgraded.
aulia@aulia:~/aulia$ sudo systemctl status apache2
● apache2.service - The Apache HTTP Server
   Loaded: loaded (/lib/systemd/system/apache2.service; enabled; vendor preset: enabled)
   Active: active (running) since Wed 2022-11-16 00:45:39 UTC; 1h 29min ago
     Docs: https://httpd.apache.org/docs/2.4/
   Main PID: 6419 (apache2)
     Tasks: 55 (limit: 2159)
    Memory: 5.8M
   CGroup: /system.slice/apache2.service
           └─6419 /usr/sbin/apache2 -k start
             └─6421 /usr/sbin/apache2 -k start
               └─6422 /usr/sbin/apache2 -k start

Nov 16 00:45:37 aulia systemd[1]: Starting The Apache HTTP Server...
Nov 16 00:45:39 aulia apachectl[6418]: AH00558: apache2: Could not reliably determine the server's
Nov 16 00:45:39 aulia systemd[1]: Started The Apache HTTP Server.
lines 1-15/15 (END)
```

```
Ubuntu aulia - VMware Workstation 16 Player (Non-commercial use only)

apache2 is already the newest version (2.4.41-4ubuntu3.12).
0 upgraded, 0 newly installed, 0 to remove and 21 not upgraded.
aulia@aulia:~/aulia$ apache2 -version
Server version: Apache/2.4.41 (Ubuntu)
Server built: 2022-06-14T13:30:55
aulia@aulia:~/aulia$ sudo ufw app list
Available applications:
  Apache
  Apache Full
  Apache Secure
  OpenSSH
aulia@aulia:~/aulia$ sudo ufw allow 'apache'
Rules updated
Rules updated (v6)
aulia@aulia:~/aulia$ sudo ufw status
Status: inactive
aulia@aulia:~/aulia$ sudo ufw status
Status: inactive
aulia@aulia:~/aulia$ sudo systemctl status apache2
sudo: systemctl: command not found
aulia@aulia:~/aulia$ sudo systemctl status apache2
● apache2.service - The Apache HTTP Server
   Loaded: loaded (/lib/systemd/system/apache2.service; enabled; vendor preset: enabled)
   Active: active (running) since Wed 2022-11-16 00:45:39 UTC; 2h 46min ago
     Docs: https://httpd.apache.org/docs/2.4/
   Main PID: 6419 (apache2)
     Tasks: 55 (limit: 2159)
    Memory: 5.8M
   CGroup: /system.slice/apache2.service
           └─6419 /usr/sbin/apache2 -k start
             └─6421 /usr/sbin/apache2 -k start
               └─6422 /usr/sbin/apache2 -k start

Nov 16 00:45:37 aulia systemd[1]: Starting The Apache HTTP Server...
Nov 16 00:45:39 aulia apachectl[6418]: AH00558: apache2: Could not reliably determine the server's
Nov 16 00:45:39 aulia systemd[1]: Started The Apache HTTP Server.
lines 1-15/15 (END)
```



Apache2 Ubuntu Default Page

ubuntu

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  
/
```

- `apache2.conf` is the main configuration file. It puts the pieces together by including all remaining configuration files when starting up the web server.
- `ports.conf` is always included from the main configuration file. It is used to determine the listening ports for incoming connections, and this file can be customized anytime.
- Configuration files in the `mods-enabled/`, `conf-enabled/` and `sites-enabled/` directories contain particular configuration snippets which