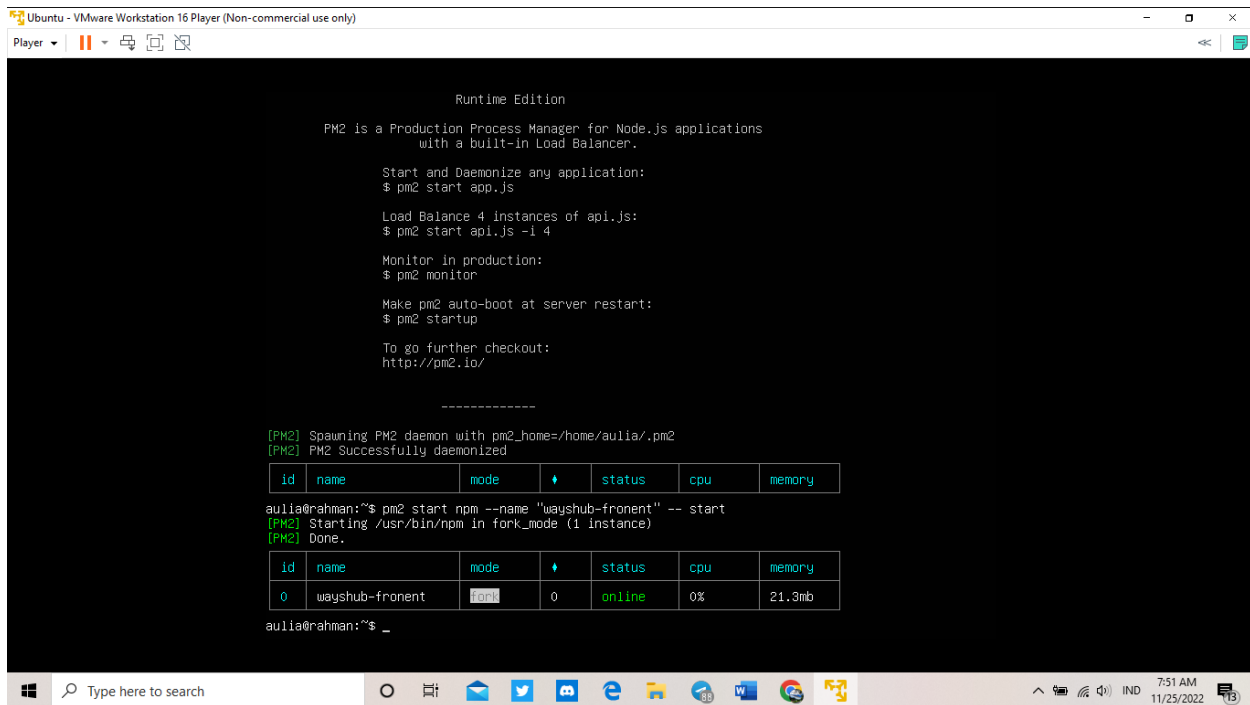


1. Web server adalah sebuah software (perangkat lunak) yang memberikan layanan berupa data. Berfungsi untuk menerima permintaan HTTP atau HTTPS dari klien atau kita kenal dengan web browser (Chrome, Firefox). Selanjutnya ia akan mengirimkan respon atas permintaan tersebut kepada client dalam bentuk halaman web.

3. VM1 : jalankan aplikasi dumbflix-frontend - gunakan PM2



The screenshot shows a terminal window titled "Ubuntu - VMware Workstation 16 Player (Non-commercial use only)". The terminal displays the PM2 Runtime Edition help text, followed by the installation of the PM2 daemon and the starting of the "wayshub-frontend" application. The application is shown as "online" with 0% CPU usage and 21.3mb memory.

```
Runtime Edition
PM2 is a Production Process Manager for Node.js applications
with a built-in Load Balancer.

Start and Daemonize any application:
$ pm2 start app.js

Load Balance 4 instances of api.js:
$ pm2 start api.js -i 4

Monitor in production:
$ pm2 monitor

Make pm2 auto-boot at server restart:
$ pm2 startup

To go further checkout:
http://pm2.io/

-----
[PM2] Spawning PM2 daemon with pm2_home=/home/aulia/.pm2
[PM2] PM2 Successfully daemonized
aulia@rahman:~$ pm2 start npm --name "wayshub-frontend" -- start
[PM2] Starting /usr/bin/npm in fork_mode (1 instance)
[PM2] Done.
aulia@rahman:~$
```

id	name	mode	↑	status	cpu	memory
0	wayshub-frontend	fork	0	online	0%	21.3mb

4. . VM2 :

- jalankan nginx

```
Ubuntu - VMware Workstation 16 Player (Non-commercial use only)
Player | [Icons] | [Close]

Setting up libjpeg8:amd64 (8c-2ubuntu8) ...
Setting up libnginx-mod-mail (1.18.0-0ubuntu1.4) ...
Setting up libnginx-mod-stream (1.18.0-0ubuntu1.4) ...
Setting up libtiff5:amd64 (4.1.0+git191117-2ubuntu0.20.04.6) ...
Setting up libgd3:amd64 (2.2.5-5.2ubuntu2.1) ...
Setting up libnginx-mod-http-image-filter (1.18.0-0ubuntu1.4) ...
Setting up nginx-core (1.18.0-0ubuntu1.4) ...
Setting up nginx (1.18.0-0ubuntu1.4) ...
Processing triggers for ufw (0.36-6ubuntu1) ...
Processing triggers for systemd (245.4-4ubuntu3.17) ...
Processing triggers for man-db (2.9.11-1) ...
Processing triggers for libc-bin (2.31-0ubuntu9.9) ...
aullia@rahman:~$ sudo systemctl enable nginx
Synchronizing state of nginx.service with SysV service script with /lib/systemd/systemd-sysv-install
.
Executing: /lib/systemd/systemd-sysv-install enable nginx
aullia@rahman:~$ sudo systemctl start nginx
aullia@rahman:~$ sudo systemctl status nginx
nginx.service - A high performance web server and a reverse proxy server
● 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 Fri 2022-11-25 13:34:51 UTC; 3min 59s ago
     Docs: man:nginx(8)
    Main PID: 2695 (nginx)
      Tasks: 3 (limit: 2159)
     Memory: 5.6M
    CGroup: /system.slice/nginx.service
            └─2695 nginx: master process /usr/sbin/nginx -g daemon on; master_process on;
               └─2696 nginx: worker process
                 └─2697 nginx: worker process

Nov 25 13:34:51 rahman systemd[1]: Starting A high performance web server and a reverse proxy server:
Nov 25 13:34:51 rahman systemd[1]: Started A high performance web server and a reverse proxy server.
lines 1-14/14 (END)
```

Windows taskbar and browser tabs are visible below the terminal window.

Welcome to nginx!

If you see this page, the nginx web server is successfully installed and working. Further configuration is required.

For online documentation and support please refer to nginx.org.
Commercial support is available at nginx.com.

Thank you for using nginx.

