

System Admin II Lab

Lab Objectives :

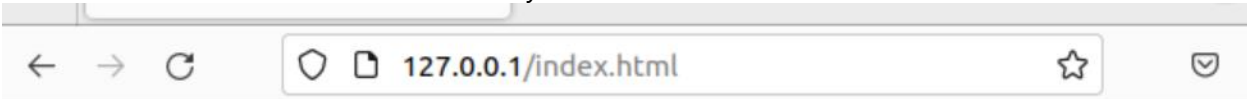
- Using apt , install nginx

```
omarwalid@omarwalid-VirtualBox:~$ sudo apt install nginx
[sudo] password for omarwalid:
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following packages were automatically installed and are
  libflashrom1 libftdi1-2 libllvm13
Use 'sudo apt autoremove' to remove them.
The following additional packages will be installed:
  libnginx-mod-http-geoip2 libnginx-mod-http-image-filter
  libnginx-mod-http-xslt-filter libnginx-mod-mail libnginx-m
  libnginx-mod-stream-geoip2 nginx-common nginx-core
Suggested packages:
```

- Enable port 80 on the firewall

```
omarwalid@omarwalid-VirtualBox:~$ sudo ufw allow 80/tcp
Rule added
Rule added (v6)
omarwalid@omarwalid-VirtualBox:~$ sudo systemctl start nginx
```

- Create index.html file on root directory of the server section and test it



Hello From system admin nginx

- Install php-fpm package

```
omarwalid@omarwalid-VirtualBox:/var/www/html$ sudo apt install php8.1-fpm
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following packages were automatically installed and are no longer required:
  libflashrom1 libftdi1-2 liblvm13
Use 'sudo apt autoremove' to remove them.
Suggested packages:
  php-pear
The following NEW packages will be installed:
  php8.1-fpm
0 upgraded, 1 newly installed, 0 to remove and 17 not upgraded.
Need to get 1,840 kB of archives.
After this operation, 5,620 kB of additional disk space will be used.
```

- configure main site to enable php-fpm

```
#
location ~ \.php$ {
    include snippets/fastcgi-php.conf;

    #
    # With php-fpm (or other unix sockets):
    fastcgi_pass unix:/run/php/php7.4-fpm.sock;
    #
    # With php-cgi (or other tcp sockets):
    fastcgi_pass 127.0.0.1:9000;
}
```

- create index.php file and test it.

