

- Using apt , install nginx

```
vboxuser@ubuntu:~$ sudo apt install nginx
[sudo] password for vboxuser:
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following additional packages will be installed:
  libnginx-mod-http-image-filter libnginx-mod-http-xslt-filter libnginx-mod-mail libnginx-mod-stream nginx-common nginx
Suggested packages:
  fcgiwrap nginx-doc
The following NEW packages will be installed:
  libnginx-mod-http-image-filter libnginx-mod-http-xslt-filter libnginx-mod-mail libnginx-mod-stream nginx nginx-commo
0 upgraded, 7 newly installed, 0 to remove and 237 not upgraded.
Need to get 605 kB of archives.
After this operation, 2,141 kB of additional disk space will be used.
Do you want to continue? [Y/n] Y
Get:1 http://us.archive.ubuntu.com/ubuntu focal-updates/main amd64 nginx-common all 1.18.0-0ubuntu1.4 [37.7 kB]
Get:2 http://us.archive.ubuntu.com/ubuntu focal-updates/main amd64 libnginx-mod-http-image-filter amd64 1.18.0-0ubuntu
Get:3 http://us.archive.ubuntu.com/ubuntu focal-updates/main amd64 libnginx-mod-http-xslt-filter amd64 1.18.0-0ubuntu1
```

- Enable port 80 on the firewall

```
vboxuser@ubuntu:~$ sudo ufw enable
Firewall is active and enabled on system startup
vboxuser@ubuntu:~$ sudo ufw allow 80/tcp
Rule added
Rule added (v6)
vboxuser@ubuntu:~$
```

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

```
vboxuser@ubuntu:~$ cd /var/www/html
vboxuser@ubuntu:/var/www/html$ sudo nano index.html
vboxuser@ubuntu:/var/www/html$ sudo systemctl start nginx
```

- Install php-fpm package

```
vboxuser@ubuntu:/var/www/html$ sudo apt install php-fpm
Reading package lists... Done
```

- configure main site to enable php-fpm

```
vboxuser@ubuntu:/var/www/html$ sudo nano /etc/nginx/sites-enabled/default
vboxuser@ubuntu:/var/www/html$

# Default server configuration
#
server {
    listen 80 default_server;
    listen [::]:80 default_server;

    # SSL configuration
    #
    # listen 443 ssl default_server;
    # listen [::]:443 ssl default_server;
    #

```

- create index.php file and test it.

```
vboxuser@ubuntu:/var/www/html$ sudo nano index.php
vboxuser@ubuntu:/var/www/html$
```

```
GNU nano 4.8 index.php
<?php echo "hello word" ; ?>
```

← → ↻ 127.0.0.1/index.php

heloo word