

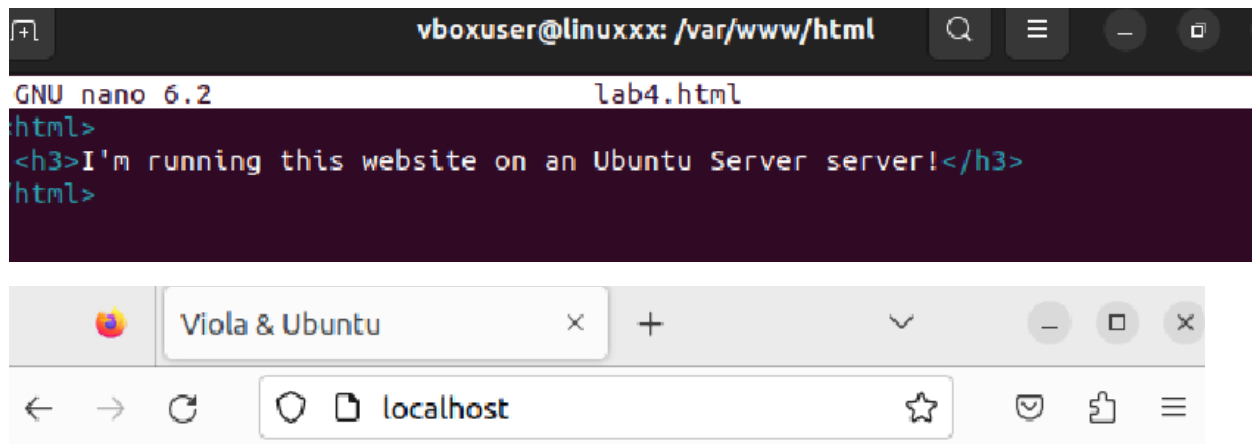
Viola George Kamal

Lab4_System admin2

```
org+1) ...
vboxuser@linuxxx:~$ php -v
PHP 8.1.17 (cli) (built: Mar 16 2023 14:38:37) (NTS)
Copyright (c) The PHP Group
Zend Engine v4.1.17, Copyright (c) Zend Technologies
    with Zend OPcache v8.1.17, Copyright (c), by Zend Technologies
vboxuser@linuxxx:~$ sudo apt install libapache2-mod-php8.1
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
libapache2-mod-php8.1 is already the newest version (8.1.17-1ubuntu22.04.1+deb
.sury.org+1).
libapache2-mod-php8.1 set to manually installed.
The following package was automatically installed and is no longer required:
  systemd-hwe-hwdb
Use 'sudo apt autoremove' to remove it.
0 upgraded, 0 newly installed, 0 to remove and 273 not upgraded.
vboxuser@linuxxx:~$ sudo mkdir iti
vboxuser@linuxxx:~$ sudo nano iti/index.php
vboxuser@linuxxx:~$ cd /var/www/html
```

```
127.0.0.1      localhost
172.0.0.1      cgi.example.com
127.0.1.1      linuxxx.myguest.virtualbox.org  linuxxx

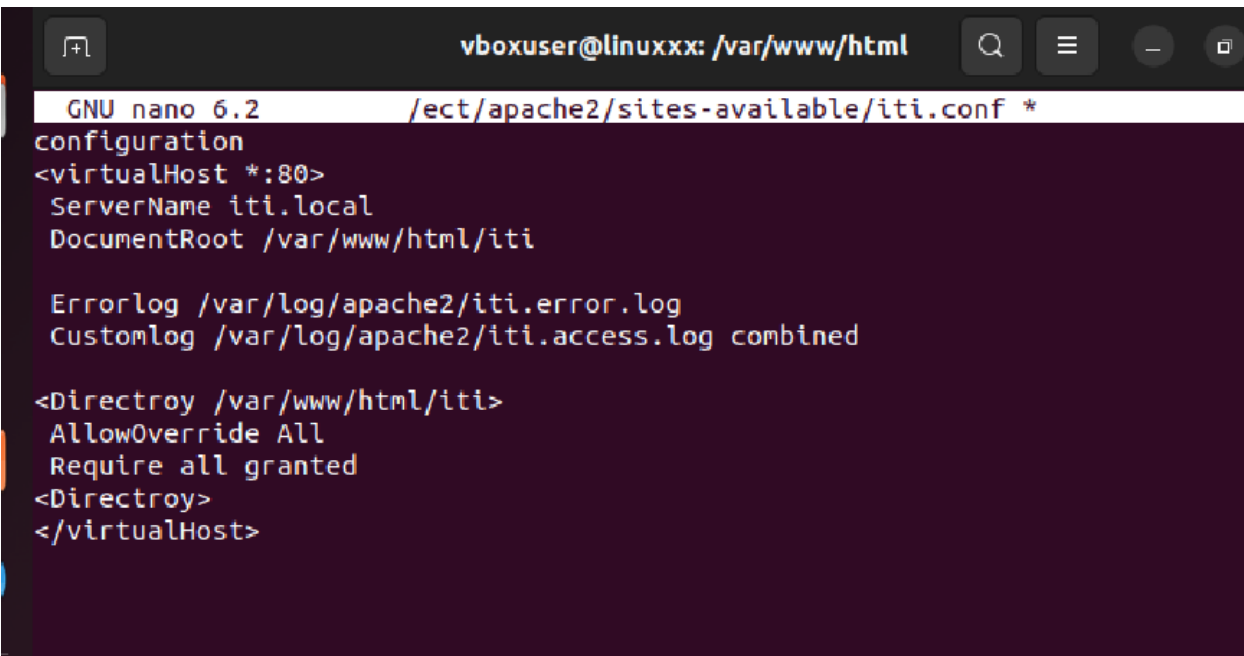
# The following lines are desirable for IPv6 capable hosts
::1          ip6-localhost ip6-loopback
fe00::0      ip6-localnet
ff00::0      ip6-mcastprefix
ff02::1      ip6-allnodes
ff02::2      ip6-allrouters
vboxuser@linuxxx:/var/www/html$ sudo systemctl start apache2
vboxuser@linuxxx:/var/www/html$ sudo mv lab4.html index.html
vboxuser@linuxxx:/var/www/html$ sudo systemctl restart apache2
Job for apache2.service failed because the control process exited with error co
de.
See "systemctl status apache2.service" and "journalctl -xeu apache2.service" fo
r details.
vboxuser@linuxxx:/var/www/html$ sudo mkdir ITI
[sudo] password for vboxuser:
```



I'm running this website on an Ubuntu Server server!

```
vboxuser@linuxxx:~$ sudo apt install libapache2-mod-php8.1
[sudo] password for vboxuser:
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following package was automatically installed and is no longer required:
  systemd-hwe-hwdb
Use 'sudo apt autoremove' to remove it.
The following additional packages will be installed:
  php-common php8.1-cli php8.1-common php8.1-opcache php8.1-readline
Suggested packages:
  php-pear
The following NEW packages will be installed:
  libapache2-mod-php8.1 php-common php8.1-cli php8.1-common php8.1-opcache
  php8.1-readline
0 upgraded, 6 newly installed, 0 to remove and 172 not upgraded.
Need to get 5,104 kB/5,117 kB of archives.
After this operation, 21.2 MB of additional disk space will be used.
Do you want to continue? [Y/n] y
Ign:1 http://eg.archive.ubuntu.com/ubuntu jammy-updates/main amd64 php8.1-commo
n amd64 8.1.2-1ubuntu2.10
Ign:2 http://eg.archive.ubuntu.com/ubuntu jammy-updates/main amd64 php8.1-opcac
he amd64 8.1.2-1ubuntu2.10
Ign:3 http://eg.archive.ubuntu.com/ubuntu jammy-updates/main amd64 php8.1-readl
ine amd64 8.1.2-1ubuntu2.10
Ign:4 http://eg.archive.ubuntu.com/ubuntu jammy-updates/main amd64 php8.1-cli a
md64 8.1.2-1ubuntu2.10
Ign:5 http://eg.archive.ubuntu.com/ubuntu jammy-updates/main amd64 libapache2-m
od-php8.1 amd64 8.1.2-1ubuntu2.10
```

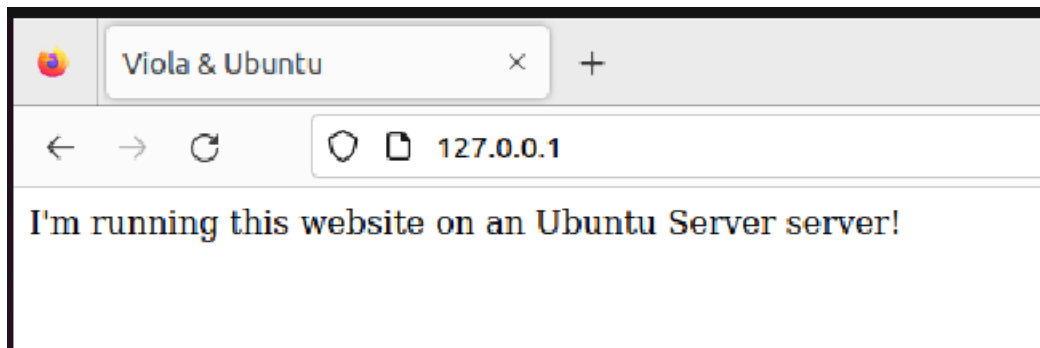
```
mkdir -p /var/www/html/ITI
vboxuser@linuxxxx:/var/www/html$ sudo mkdir ITI
vboxuser@linuxxxx:/var/www/html$ sudo nano ITI/index.php
vboxuser@linuxxxx:/var/www/html$ sudo nano /etc/apache2/ITI.conf
vboxuser@linuxxxx:/var/www/html$ sudo nano /etc/apache2/ITI.conf
vboxuser@linuxxxx:/var/www/html$ sudo nano /etc/apache2/sites-available/ITI.conf
vboxuser@linuxxxx:/var/www/html$ sudo systemctl reload apache2
Unknown command verb reload.
vboxuser@linuxxxx:/var/www/html$ sudo systemctl reload apache2
vboxuser@linuxxxx:/var/www/html$ sudo a2enconf
sudo: a2enconf: command not found
vboxuser@linuxxxx:/var/www/html$
vboxuser@linuxxxx:/var/www/html$ sudo a2ensite ITI.conf
Enabling site ITI.
To activate the new configuration, you need to run:
  systemctl reload apache2
vboxuser@linuxxxx:/var/www/html$ sudo systemctl reload apache2
Job for apache2.service failed.
See "systemctl status apache2.service" and "journalctl -xeu apache2.service" for details.
```



```
vboxuser@linuxxxx: /var/www/html
GNU nano 6.2 /etc/apache2/sites-available/iti.conf *
configuration
<virtualHost *:80>
  ServerName iti.local
  DocumentRoot /var/www/html/iti

  Errorlog /var/log/apache2/iti.error.log
  Customlog /var/log/apache2/iti.access.log combined

  <Directory /var/www/html/iti>
    AllowOverride All
    Require all granted
  </Directory>
</virtualHost>
```



```
vboxuser@linuxxx:/var/www/html$ sudo nano ITI.conf
[sudo] password for vboxuser:
vboxuser@linuxxx:/var/www/html$ cd /etc/apache2/sites-enabled/
vboxuser@linuxxx:/etc/apache2/sites-enabled$ sudo nano ITI.conf
vboxuser@linuxxx:/etc/apache2/sites-enabled$ sudo nano /etc/hosts
vboxuser@linuxxx:/etc/apache2/sites-enabled$
```

```
vboxuser@linuxxx: /etc/apache2/sites-enabled
GNU nano 6.2 ITI.conf
Configuration:
<VirtualHost *:80>
  ServerName ITI.local
  DocumentRoot /var/www/html/ITI

  ErrorLog /var/log/apache2/ITI-error.log
  CustomLog /var/log/apache2/ITI-access.log combined

  <Directory /var/www/html/ITI>
    Options -Indexes
    AllowOverride All
    Require all granted
  </Directory>
</VirtualHost>
```

```
vboxuser@linuxxx: /etc/apache2/sites-enabled
GNU nano 6.2 /etc/hosts *
127.0.0.1 localhost
172.0.0.1 cgi.example.com
127.0.1.1 linuxxx.myguest.virtualbox.org linuxxx
127.0.0.1 ITI
# The following lines are desirable for IPv6 capable hosts
::1 ip6-localhost ip6-loopback
fe00::0 ip6-localnet
ff00::0 ip6-mcastprefix
ff02::1 ip6-allnodes
ff02::2 ip6-allrouters
```