

- Install apache2 server
- Start apache2

```
radwa@Ubuntu:~/Desktop$ sudo apt install apache2
[sudo] password for radwa:
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
apache2 is already the newest version (2.4.52-1ubuntu4.3).
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 193 not upgraded.
radwa@Ubuntu:~/Desktop$ sudo systemctl start apache2
```

- Replace the default index content with your own content

```
radwa@Ubuntu:/var/www/html$ cd /var/www/html
radwa@Ubuntu:/var/www/html$ sudo nano test.html
radwa@Ubuntu:/var/www/html$ sudo mv test.html index.html
radwa@Ubuntu:/var/www/html$ sudo systemctl restart apache2
```



- Install php module for apache2

```
radwa@Ubuntu:/var/www/html$ sudo apt install libapache2-mod-php
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
```

- Create New VirtualHost

```
radwa@Ubuntu: /var/www/html$ sudo systemctl reload apache2^C
radwa@Ubuntu: /var/www/html$ sudo mkdir Admin4
radwa@Ubuntu: /var/www/html$ sudo nano Admin4/index.php
radwa@Ubuntu: /var/www/html$ sudo nano /etc/apache2/sites-available/Admin4.conf
radwa@Ubuntu: /var/www/html$ sudo systemctl reload apache2
Job for apache2.service failed.
See "systemctl status apache2.service" and "journalctl -xeu apache2.service" for
details.
radwa@Ubuntu: /var/www/html$ sudo a2ensite Admin4.conf
Site Admin4 already enabled
radwa@Ubuntu: /var/www/html$ sudo systemctl reload apache2
Job for apache2.service failed.
See "systemctl status apache2.service" and "journalctl -xeu apache2.service" for
details.
```

```
GNU nano 6.2 /etc/apache2/sites-available/Admin4.conf
Configuration:
<VirtualHost *:80>
  ServerName Admin4.local
  DocumentRoot /var/www/html/Admin4

  ErrorLog /var/log/apache2/Admin4-error.log
  CustomLog /var/log/apache2/Admin4-access.log combined

  <Directory /var/www/html/Admin4>
    AllowOverride All
    Require all granted
  </Directory>
</VirtualHost>
```

← → ↺ 127.0.0.1/Admin4/ ☆ 📌 📄 ☰

Hello From Lab4

- Disable directory listing

```
Configuration:
<VirtualHost *:80>
  ServerName Admin4.local
  DocumentRoot /var/www/html/Admin4

  ErrorLog /var/log/apache2/Admin4-error.log
  CustomLog /var/log/apache2/Admin4-access.log combined

  <Directory /var/www/html/Admin4>
    Options -Indexes
    AllowOverride All
    Require all granted
  </Directory>
</VirtualHost>
```