

## PARTE 1

### 1.Actualiza el sistema

```
Kevin@Kevin: ~  
To run a command as administrator (user "root"), use "sudo  
o <command>".  
Kevin@Kevin:~$ sudo apt update && sudo apt upgrade -y
```

```
Preparando para desempaquetar .../50-libsss-nss-idmap0_2.9.4-1.1ubuntu6.3_amd64.deb ...  
Desempaquetando libsss-nss-idmap0 (2.9.4-1.1ubuntu6.3) sobre (2.9.4-1.1ubuntu6.2) ...  
Preparando para desempaquetar .../51-libsss-idmap0_2.9.4-1.1ubuntu6.3_amd64.deb ...  
Desempaquetando libsss-idmap0 (2.9.4-1.1ubuntu6.3) sobre (2.9.4-1.1ubuntu6.2) ...  
Preparando para desempaquetar .../52-libipa-hbac0t64_2.9.4-1.1ubuntu6.3_amd64.deb ...  
Desempaquetando libipa-hbac0t64 (2.9.4-1.1ubuntu6.3) sobre (2.9.4-1.1ubuntu6.2) ...  
Preparando para desempaquetar .../53-libmalcontent-0-0_0.11.1-1ubuntu1.2_amd64.deb ...  
Desempaquetando libmalcontent-0-0:amd64 (0.11.1-1ubuntu1.2) sobre (0.11.1-1ubuntu1.1) ...  
Progreso: [ 41%] [#####.....]
```

```
Kevin@Kevin: ~  
Procesando disparadores para rsyslog (8.2312.0-3ubuntu9.1) ...  
Procesando disparadores para man-db (2.12.0-4build2) ...  
Procesando disparadores para libglib2.0-0t64:amd64 (2.80.0-6ubuntu3.4) ...  
Procesando disparadores para dbus (1.14.10-4ubuntu4.1) ...  
Procesando disparadores para shared-mime-info (2.4-4) ...  
Configurando libgtk-4-1:amd64 (4.14.5+ds-0ubuntu0.5) ...  
Configurando libgtk-4-bin (4.14.5+ds-0ubuntu0.5) ...  
Configurando gir1.2-gdm-1.0 (46.2-1ubuntu1~24.04.3) ...  
Configurando gir1.2-gtk-4.0:amd64 (4.14.5+ds-0ubuntu0.5) ...  
Configurando tecla (46.0-1ubuntu0.1) ...  
Configurando libgtk-4-media-gstreamer (4.14.5+ds-0ubuntu0.5) ..  
.  
Configurando gdm3 (46.2-1ubuntu1~24.04.3) ...  
Procesando disparadores para libc-bin (2.39-0ubuntu8.6) ...  
Kevin@Kevin:~$
```

## 2.Instalar Apache2

```
Procesando disparadores para ufw (0.36.2-6) ...  
kevin@kevin:~$ sudo apt install apache2 -y
```

```
Enabling conf localized-error-pages.  
Enabling conf other-vhosts-access-log.  
Enabling conf security.  
Enabling conf serve-cgi-bin.  
Enabling site 000-default.  
Created symlink /etc/systemd/system/multi-user.target.wants/apache2.service → /usr/lib/systemd/system/apache2.service.  
Created symlink /etc/systemd/system/multi-user.target.wants/apache-htcacheclean.service → /usr/lib/systemd/system/apache-htcacheclean.service.  
█
```

```
Progreso: [ 94%] [#####...]
```

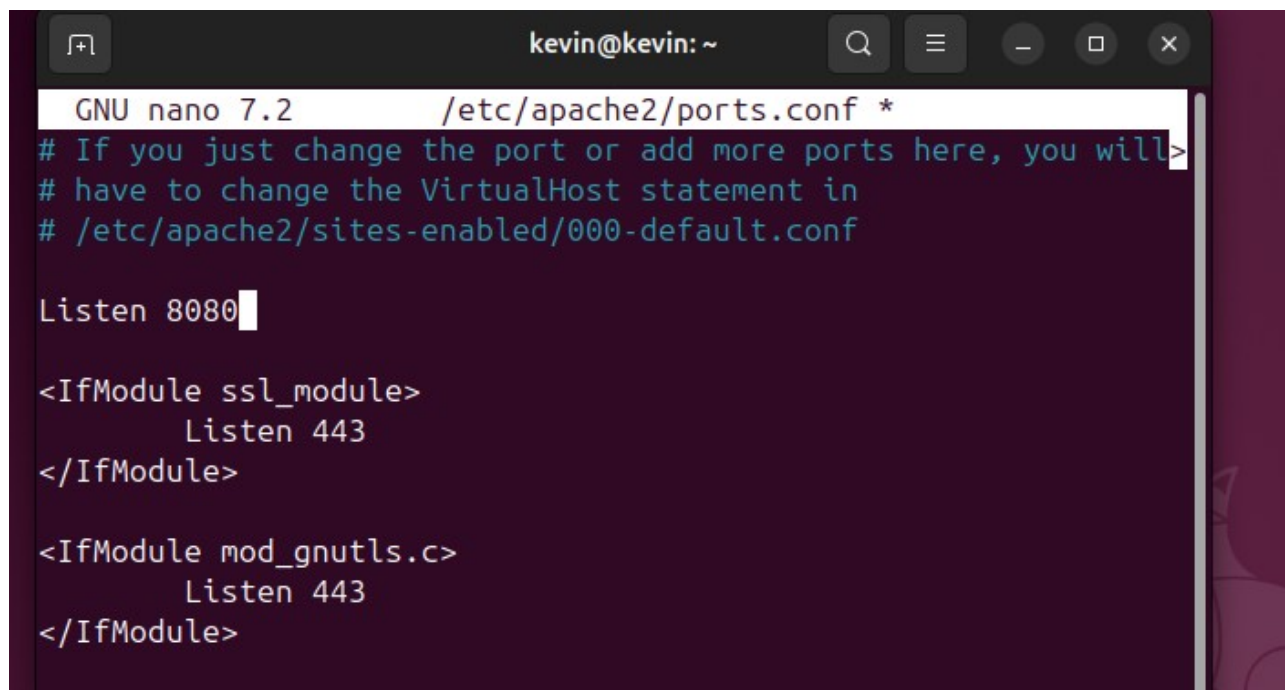
```
Enabling conf charset.  
Enabling conf localized-error-pages.  
Enabling conf other-vhosts-access-log.  
Enabling conf security.  
Enabling conf serve-cgi-bin.  
Enabling site 000-default.  
Created symlink /etc/systemd/system/multi-user.target.wants/apache2.service → /usr/lib/systemd/system/apache2.service.  
Created symlink /etc/systemd/system/multi-user.target.wants/apache-htcacheclean.service → /usr/lib/systemd/system/apache-htcacheclean.service.  
Procesando disparadores para ufw (0.36.2-6) ...  
Procesando disparadores para man-db (2.12.0-4build2) ...  
Procesando disparadores para libc-bin (2.39-0ubuntu8.6) ...  
kevin@kevin:~$ █
```

### 3. Configurar Apache en puerto 8080

```
Listen 80

<IfModule ssl_module>
    Listen 443
</IfModule>

<IfModule mod_gnutls.c>
    Listen 443
</IfModule>
```



A screenshot of a terminal window titled 'kevin@kevin: ~'. The window shows the nano 7.2 editor editing the file '/etc/apache2/ports.conf'. The content of the file is as follows:

```
GNU nano 7.2 /etc/apache2/ports.conf *
# If you just change the port or add more ports here, you will
# have to change the VirtualHost statement in
# /etc/apache2/sites-enabled/000-default.conf

Listen 8080

<IfModule ssl_module>
    Listen 443
</IfModule>

<IfModule mod_gnutls.c>
    Listen 443
</IfModule>
```

```
kevin@kevin:~$ sudo ss -tulpn | grep apache2

tcp    LISTEN 0      511             *:8080
        *:~      users:(("apache2",pid=1118,fd=4),("apac
he2",pid=1116,fd=4),("apache2",pid=1114,fd=4),("apac
he2",pid=1113,fd=4),("apache2",pid=1112,fd=4),("apac
he2",pid=1098,fd=4))
kevin@kevin:~$
```

#### 4.Instalar PHP

```
kevin@kevin:~$ sudo nano /etc/apache2/ports.conf
kevin@kevin:~$ sudo apt install php libapache2-mod-php -y
```

```
Desempaquetando php8.3 (8.3.6-0ubuntu0.24.04.5) ...
Seleccionando el paquete php previamente no seleccionado.
Preparando para desempaquetar .../9-php_2%3a8.3+93ubuntu2_all.d
eb ...
Desempaquetando php (2:8.3+93ubuntu2) ...
Configurando php-common (2:93ubuntu2) ...
Created symlink /etc/systemd/system/timers.target.wants/phpsess
ionclean.timer → /usr/lib/systemd/system/phpsessionclean.timer.
Progreso: [ 51%] [#####.....]
```

```
Procesando disparadores para man-db (2.12.0-4build2) ...
Procesando disparadores para libc-bin (2.39-0ubuntu8.6) ...
Procesando disparadores para php8.3-cli (8.3.6-0ubuntu0.24.04.5
) ...
Procesando disparadores para libapache2-mod-php8.3 (8.3.6-0ubun
tu0.24.04.5) ...
kevin@kevin:~$
```



```
kevin@kevin:~$ sudo systemctl status apache2
● apache2.service - The Apache HTTP Server
   Loaded: loaded (/usr/lib/systemd/system/apache2.service; enabled; preset>
   Active: active (running) since Tue 2025-11-11 09:05:57 CET; 18min ago
     Docs: https://httpd.apache.org/docs/2.4/
   Process: 21708 ExecStart=/usr/sbin/apachectl start (code=exited, status=0>
 Main PID: 21711 (apache2)
    Tasks: 6 (limit: 9436)
  Memory: 11.9M (peak: 12.1M)
     CPU: 98ms
   CGroup: /system.slice/apache2.service
           └─21711 /usr/sbin/apache2 -k start
             └─21713 /usr/sbin/apache2 -k start
               └─21714 /usr/sbin/apache2 -k start
                 └─21715 /usr/sbin/apache2 -k start
                   └─21716 /usr/sbin/apache2 -k start
```

5. Crear archivo info.php

```
kevin@kevin:~$ echo "<?php phpinfo(); ?>" | sudo tee /var/www/html/info.php
```

```
kevin@kevin:~$ echo "<?php
<?php phpinfo(); ?>"
kevin@kevin:~$
```

6. Acceder a http:// .....

```
kevin@kevin:~$ curl http://localhost:8080/info.php
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN" "DTD/xhtml1-transitional.dtd">
<html xmlns="http://www.w3.org/1999/xhtml"><head>
<style type="text/css">
body {background-color: #fff; color: #222; font-family: sans-serif;}
pre {margin: 0; font-family: monospace;}
a:link {color: #009; text-decoration: none; background-color: #fff;}
a:hover {text-decoration: underline;}
table {border-collapse: collapse; border: 0; width: 934px; box-shadow: 1px 2px 3px rgba(0, 0, 0, 0.2);}
.center {text-align: center;}
.center table {margin: 1em auto; text-align: left;}
.center th {text-align: center !important;}
td, th {border: 1px solid #666; font-size: 75%; vertical-align: baseline; padding: 4px 5px;}
th {position: sticky; top: 0; background: inherit;}
```

```
<p>
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the terms of the PHP License as published by the PHP Group and included in the
distribution in the file:  LICENSE
</p>
<p>This program is distributed in the hope that it will be useful, but WITHOUT
ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS
FOR A PARTICULAR PURPOSE.
</p>
<p>If you did not receive a copy of the PHP license, or have any questions about
PHP licensing, please contact license@php.net.
</p>
</td></tr>
</table>
kevin@kevin:~$
```

7. Configurar HTTPS.....

8. Acceder a <https://localhost:8080/info.php>

