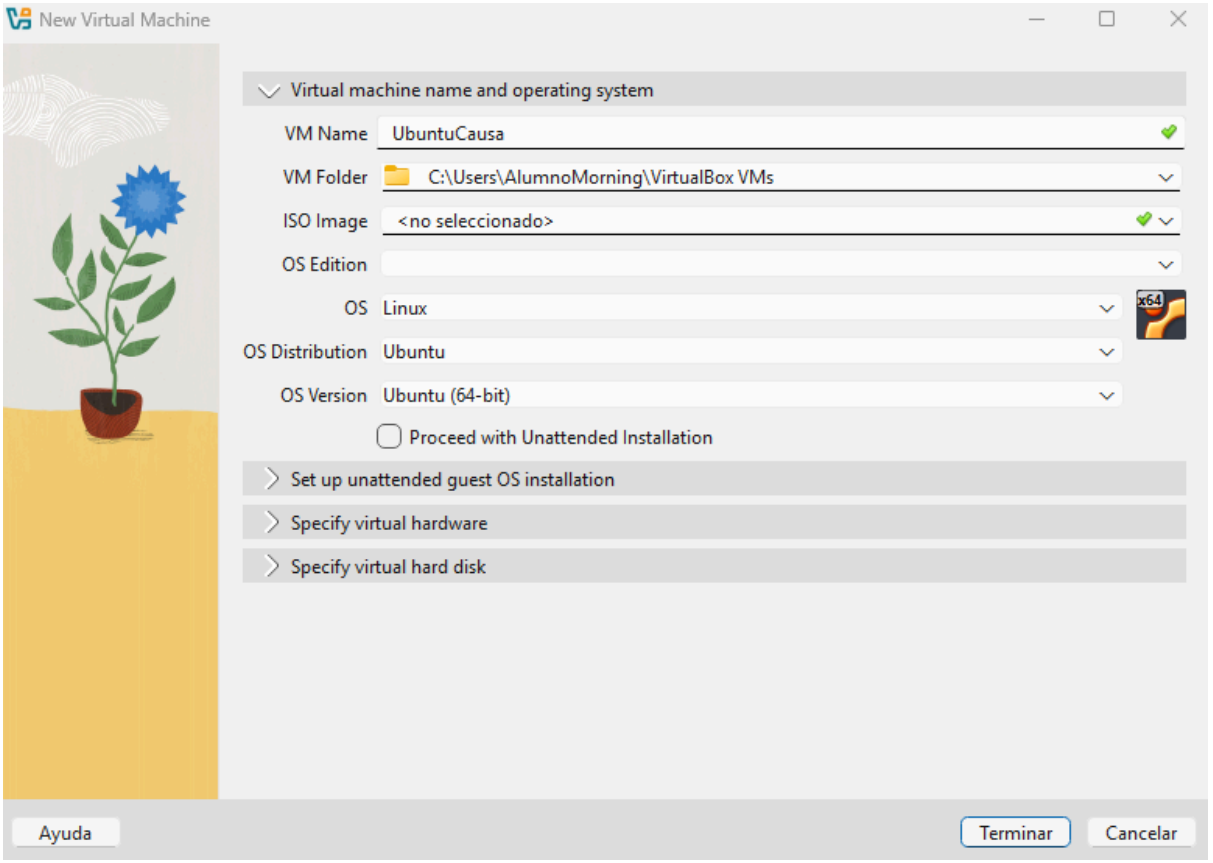
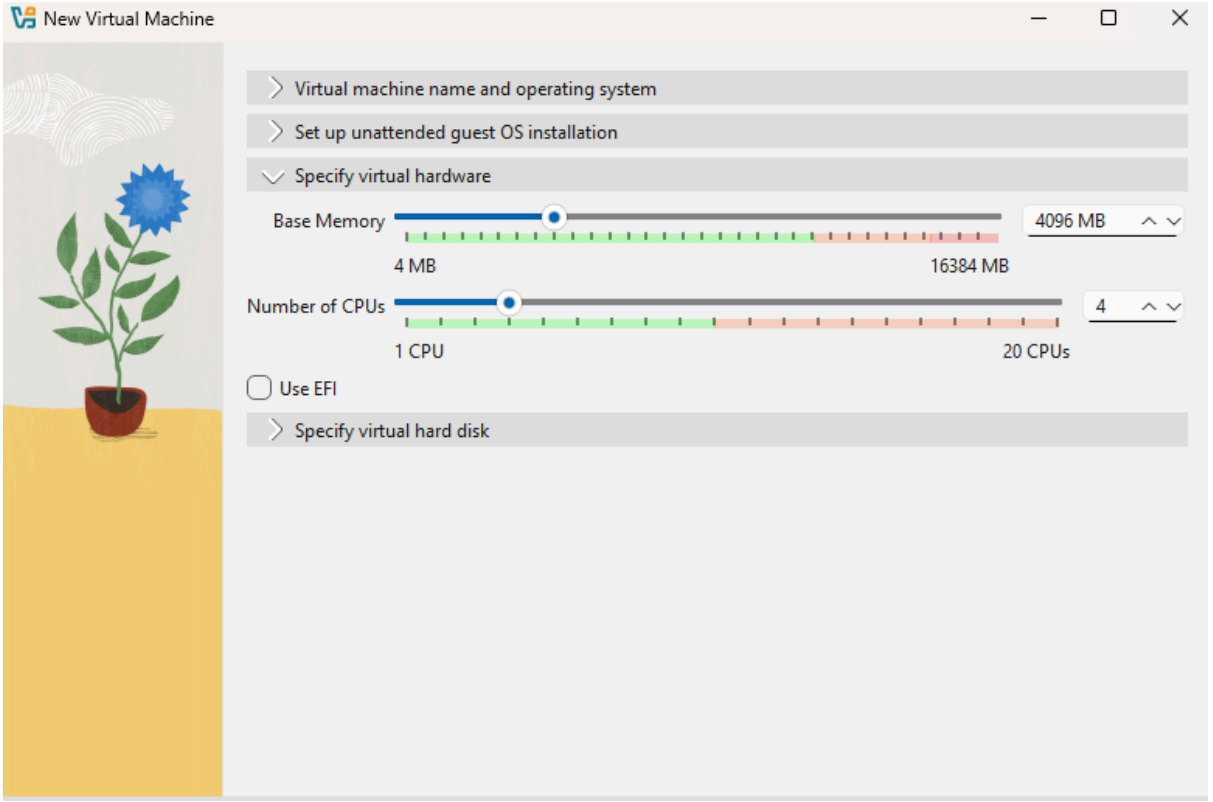
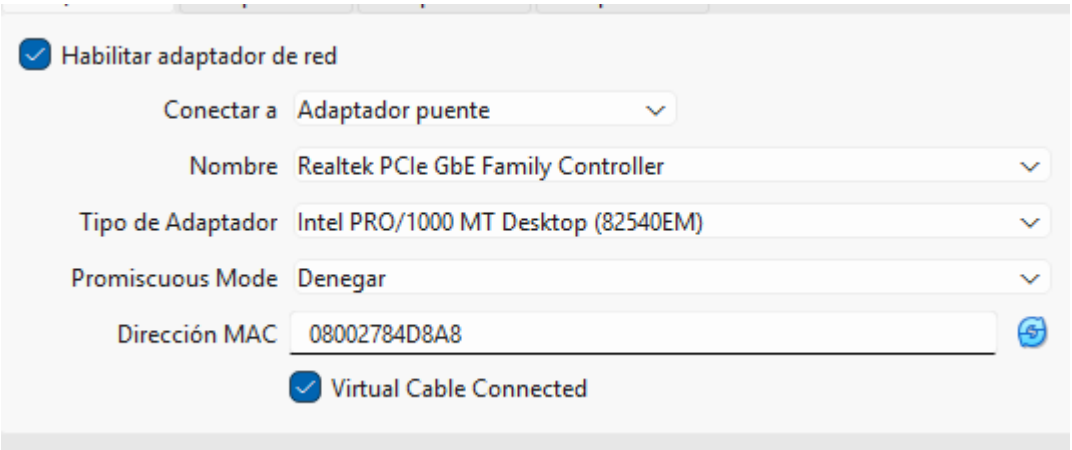


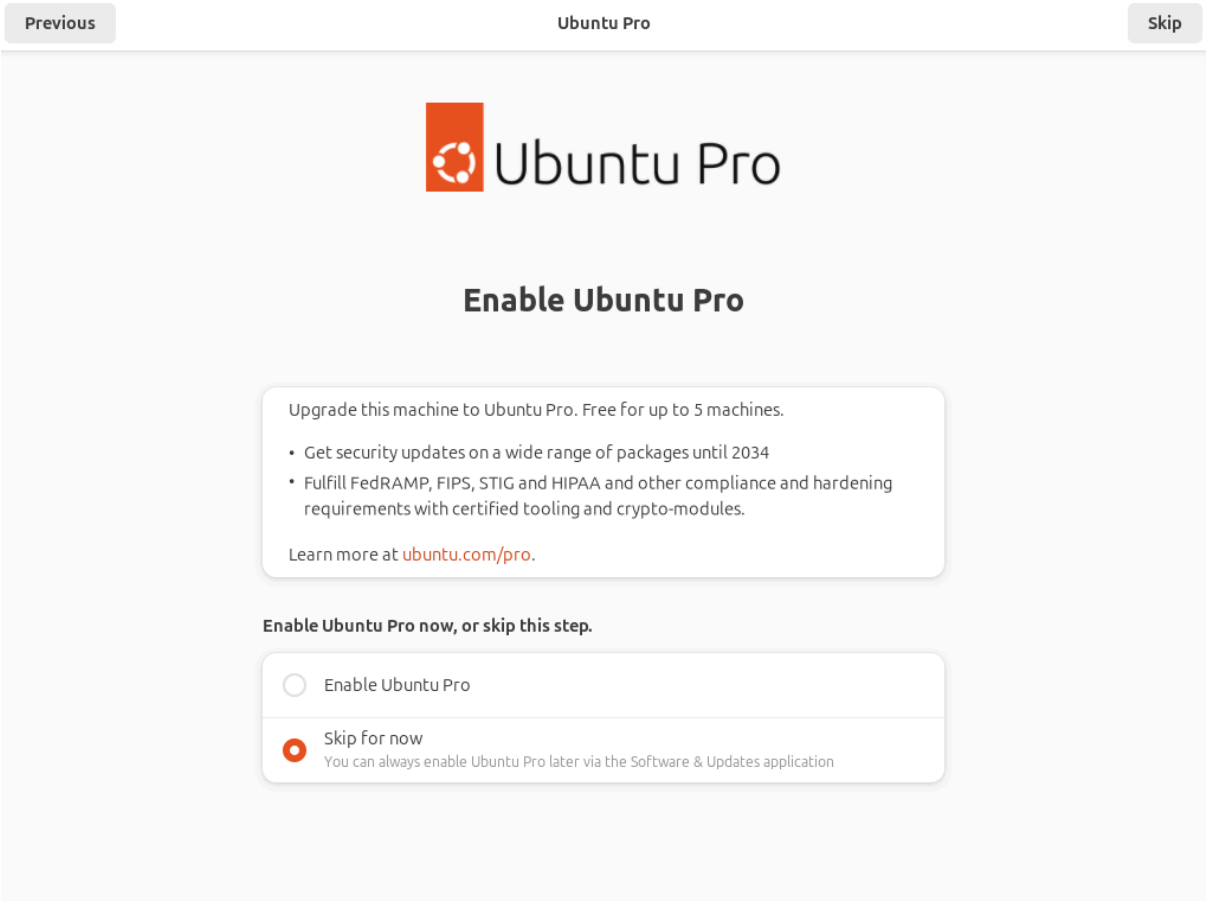
Aqui seleccionamos la Iso, y el sistema operativo de la máquina virtual



Luego seleccionamos la cantidad de recursos (memoria, procesadores), que queramos que la máquina obtenga para su funcionamiento



Luego aquí cambiamos el tipo de red a adaptador puente



Aquí la máquina ya está terminando de configurarse

```
root@ubuntu:/home/ChrisUser# apt update && apt upgrade -y
Hit:1 http://es.archive.ubuntu.com/ubuntu noble InRelease
Get:2 http://security.ubuntu.com/ubuntu noble-security InRelease [126 kB]
Get:3 http://es.archive.ubuntu.com/ubuntu noble-updates InRelease [126 kB]
Get:4 http://es.archive.ubuntu.com/ubuntu noble-backports InRelease [126 kB]
Get:5 http://es.archive.ubuntu.com/ubuntu noble-updates/main amd64 Packages [1,484 kB]
Hit:6 https://repo.zabbix.com/zabbix/7.4/release/ubuntu noble InRelease
Get:7 http://security.ubuntu.com/ubuntu noble-security/main amd64 Packages [1,201 kB]
Hit:8 https://repo.zabbix.com/zabbix-tools/debian-ubuntu noble InRelease
Get:9 https://repo.zabbix.com/zabbix/7.4/stable/ubuntu noble InRelease [4,678 B]
Get:10 http://es.archive.ubuntu.com/ubuntu noble-updates/main Translation-en [286 kB]
Get:11 http://es.archive.ubuntu.com/ubuntu noble-updates/main amd64 Components [175 kB]
Get:12 https://repo.zabbix.com/zabbix/7.4/stable/ubuntu noble/main Sources [8,627 B]
Get:13 http://es.archive.ubuntu.com/ubuntu noble-updates/main amd64 c-n-f Metadata [15.3 kB]
Get:14 http://es.archive.ubuntu.com/ubuntu noble-updates/restricted amd64 Packages [2,053 kB]
Get:15 https://repo.zabbix.com/zabbix/7.4/stable/ubuntu noble/main all Packages [3,492 B]
Get:16 https://repo.zabbix.com/zabbix/7.4/stable/ubuntu noble/main amd64 Packages [16.6 kB]
Get:17 http://security.ubuntu.com/ubuntu noble-security/main Translation-en [201 kB]
Get:18 http://security.ubuntu.com/ubuntu noble-security/main amd64 Components [21.6 kB]
Get:19 http://security.ubuntu.com/ubuntu noble-security/main amd64 c-n-f Metadata [8,744 B]
Get:20 http://security.ubuntu.com/ubuntu noble-security/restricted amd64 Packages [1,938 kB]
Get:21 http://es.archive.ubuntu.com/ubuntu noble-updates/restricted Translation-en [463 kB]
Get:22 http://es.archive.ubuntu.com/ubuntu noble-updates/restricted amd64 Components [212 B]
Get:23 http://es.archive.ubuntu.com/ubuntu noble-updates/universe amd64 Packages [1,486 kB]
Get:24 http://es.archive.ubuntu.com/ubuntu noble-updates/universe amd64 Components [377 kB]
Get:25 http://security.ubuntu.com/ubuntu noble-security/restricted Translation-en [439 kB]
Get:26 http://es.archive.ubuntu.com/ubuntu noble-updates/universe amd64 c-n-f Metadata [31.1 kB]
Get:27 http://es.archive.ubuntu.com/ubuntu noble-updates/multiverse amd64 Components [940 B]
Get:28 http://es.archive.ubuntu.com/ubuntu noble-backports/main amd64 Components [7,156 B]
Get:29 http://es.archive.ubuntu.com/ubuntu noble-backports/restricted amd64 Components [216 B]
Get:30 http://es.archive.ubuntu.com/ubuntu noble-backports/universe amd64 Components [11.0 kB]
Get:31 http://es.archive.ubuntu.com/ubuntu noble-backports/multiverse amd64 Components [212 B]
```

Actualizamos y mejoramos la máquina

```
root@ubuntu:/home/ChrisUser# apt install apache2 -y
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
apache2 is already the newest version (2.4.58-1ubuntu8.8).
apache2 set to manually installed.
The following package was automatically installed and is no longer required:
  libllvm19
Use 'sudo apt autoremove' to remove it.
0 upgraded, 0 newly installed, 0 to remove and 1 not upgraded.
```

Instalamos el servidor de apache

```
root@ubuntu:/home/ChrisUser# service apache2 start
```

Lo iniciamos

```
root@ubuntu:/home/ChrisUser# systemctl status apache2
● apache2.service - The Apache HTTP Server
     Loaded: loaded (/usr/lib/systemd/system/apache2.service; enabled; preset: enabled)
     Active: active (running) since Fri 2025-10-03 07:31:15 UTC; 10min ago
       Docs: https://httpd.apache.org/docs/2.4/
   Main PID: 1208 (apache2)
      Tasks: 6 (limit: 4603)
     Memory: 20.8M (peak: 21.7M)
        CPU: 224ms
     CGroup: /system.slice/apache2.service
             ├─1208 /usr/sbin/apache2 -k start
             ├─1212 /usr/sbin/apache2 -k start
             ├─1213 /usr/sbin/apache2 -k start
             ├─1214 /usr/sbin/apache2 -k start
             ├─1215 /usr/sbin/apache2 -k start
             └─1216 /usr/sbin/apache2 -k start

Oct 03 07:31:15 ubuntu systemd[1]: Starting apache2.service - The Apache HTTP Server...
Oct 03 07:31:15 ubuntu apachectl[1155]: AH00558: apache2: Could not reliably determine the server's fully qualified dom>
Oct 03 07:31:15 ubuntu systemd[1]: Started apache2.service - The Apache HTTP Server.
lines 1-19/19 (END)
```

Chequeamos que todo esté funcionando correctamente

```
lines 1-19/19 (END)echo "<?php phpinfo(); ?>" | tee /var/www/html/info.php
<?php phpinfo(); ?>
```

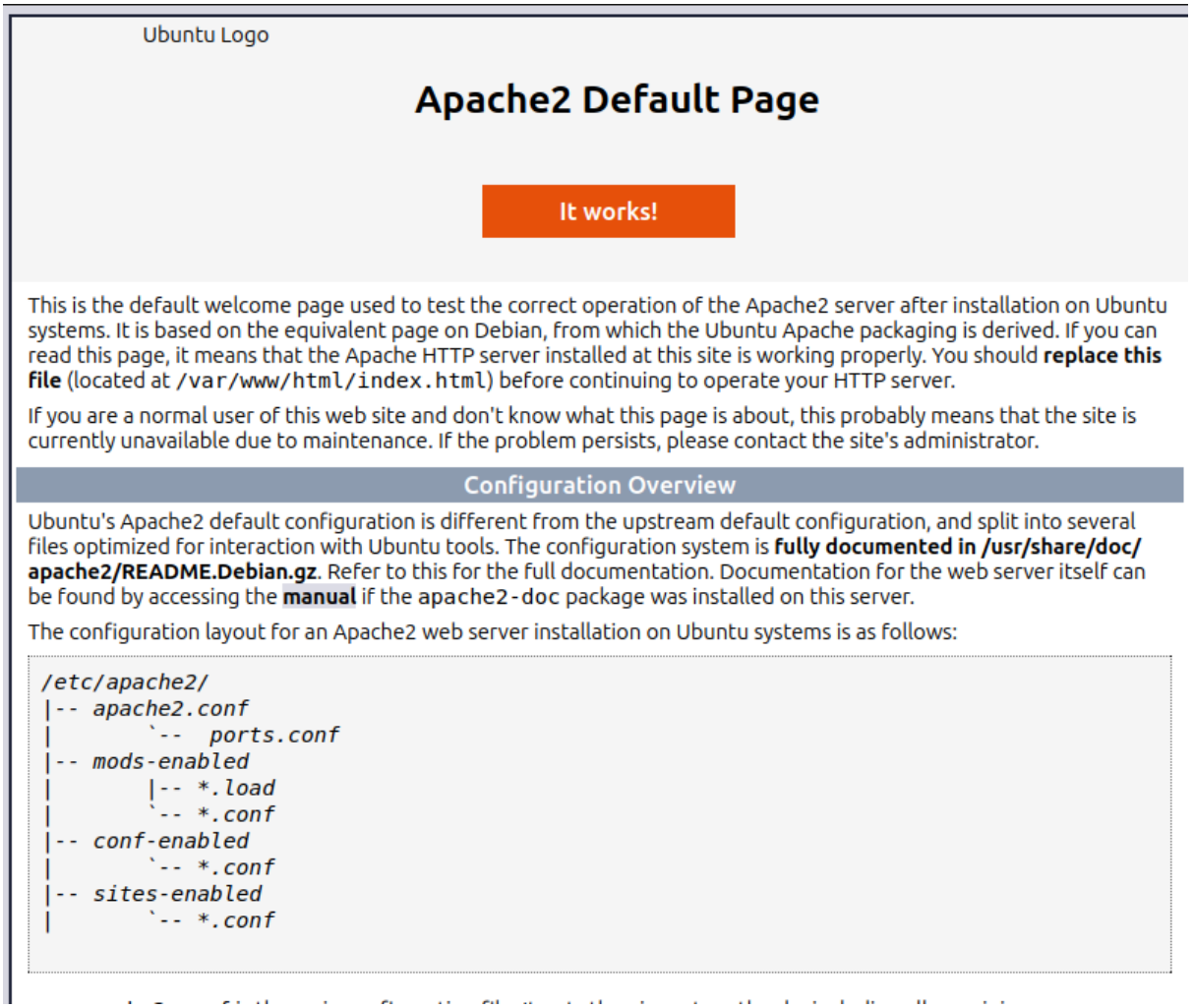
Aquí creamos un archivo el cuál nos permitirá ver el apache en el navegador

```
root@ubuntu:/home/ChrisUser# curl https://localhost/info.php
curl: (7) Failed to connect to localhost port 443 after 0 ms: Couldn't connect to server
root@ubuntu:/home/ChrisUser# curl http://localhost/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;}
h1 {font-size: 150%;}
h2 {font-size: 125%;}
h2 a:link, h2 a:visited{color: inherit; background: inherit;}
.p {text-align: left;}
.e {background-color: #ccf; width: 300px; font-weight: bold;}
.h {background-color: #99c; font-weight: bold;}
.v {background-color: #ddd; max-width: 300px; overflow-x: auto; word-wrap: break-word;}
.v i {color: #999;}
img {float: right; border: 0;}
hr {width: 934px; background-color: #ccc; border: 0; height: 1px;}
:root {--php-dark-grey: #333; --php-dark-blue: #4F5B93; --php-medium-blue: #8892BF; --php-light-blue: #E2E4EF; --php-acc
ent-purple: #793862}@media (prefers-color-scheme: dark) {
  body {background: var(--php-dark-grey); color: var(--php-light-blue)}
  .h td, td.e, th {border-color: #606A90}
  td {border-color: #505153}
```

Con este comando hacemos que ese enlace nos lleve directamente a la información del apache2

PHP Version 8.3.6

System	Linux ubuntu 6.14.0-29-generic #29~24.04.1-Ubuntu SMP PREEMPT_DYNAMIC Thu Aug 14 16:52:50 UTC 2 x86_64
Build Date	Jul 14 2025 18:30:55
Build System	Linux
Server API	Apache 2.0 Handler
Virtual Directory Support	disabled
Configuration File (php.ini) Path	/etc/php/8.3/apache2
Loaded Configuration File	/etc/php/8.3/apache2/php.ini
Scan this dir for additional .ini files	/etc/php/8.3/apache2/conf.d
Additional .ini files parsed	/etc/php/8.3/apache2/conf.d/10-mysqlnd.ini, /etc/php/8.3/apache2/conf.d/10-opcache.ini, /etc/php/8.3/apache2/conf.d/10-pdo.ini, /etc/php/8.3/apache2/conf.d/15-xml.ini, /etc/php/8.3/apache2/conf.d/20-bcmath.ini, /etc/php/8.3/apache2/conf.d/20-calendar.ini, /etc/php/8.3/apache2/conf.d/20-ctype.ini, /etc/php/8.3/apache2/conf.d/20-curl.ini, /etc/php/8.3/apache2/conf.d/20-dom.ini, /etc/php/8.3/apache2/conf.d/20-exif.ini, /etc/php/8.3/apache2/conf.d/20-ffi.ini, /etc/php/8.3/apache2/conf.d/20-fileinfo.ini, /etc/php/8.3/apache2/conf.d/20-ftp.ini, /etc/php/8.3/apache2/conf.d/20-gd.ini, /etc/php/8.3/apache2/conf.d/20-gettext.ini, /etc/php/8.3/apache2/conf.d/20-iconv.ini, /etc/php/8.3/apache2/conf.d/20-ldap.ini, /etc/php/8.3/apache2/conf.d/20-mbstring.ini, /etc/php/8.3/apache2/conf.d/20-mysqli.ini, /etc/php/8.3/apache2/conf.d/20-pdo_mysql.ini, /etc/php/8.3/apache2/conf.d/20-phar.ini, /etc/php/8.3/apache2/conf.d/20-posix.ini, /etc/php/8.3/apache2/conf.d/20-readline.ini, /etc/php/8.3/apache2/conf.d/20-shmop.ini, /etc/php/8.3/apache2/conf.d/20-simplexml.ini, /etc/php/8.3/apache2/conf.d/20-sockets.ini, /etc/php/8.3/apache2/conf.d/20-sysvmsg.ini, /etc/php/8.3/apache2/conf.d/20-sysvsem.ini, /etc/php/8.3/apache2/conf.d/20-sysvshm.ini, /etc/php/8.3/apache2/conf.d/20-tokenizer.ini, /etc/php/8.3/apache2/conf.d/20-xmlreader.ini, /etc/php/8.3/apache2/conf.d/20-xmlwriter.ini, /etc/php/8.3/apache2/conf.d/20-xsl.ini
PHP API	20230831
PHP Extension	20230831
Zend Extension	420230831
Zend Extension Build	API420230831,NTS



Esta es la información del apache

```
</div></body></html>root@ubuntu:/home/ChrisUser# apt install nginx -y
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following package was automatically installed and is no longer required:
  libllvm19
Use 'sudo apt autoremove' to remove it.
The following additional packages will be installed:
  nginx-common
Suggested packages:
  fcgiwrap nginx-doc
The following NEW packages will be installed:
  nginx nginx-common
0 upgraded, 2 newly installed, 0 to remove and 1 not upgraded.
Need to get 564 kB of archives.
After this operation, 1,596 kB of additional disk space will be used.
Get:1 http://es.archive.ubuntu.com/ubuntu noble-updates/main amd64 nginx-common all 1.24.0-2ubuntu7.5 [43.4 kB]
Get:2 http://es.archive.ubuntu.com/ubuntu noble-updates/main amd64 nginx amd64 1.24.0-2ubuntu7.5 [520 kB]
Fetched 564 kB in 0s (1,728 kB/s)
Preconfiguring packages ...
Selecting previously unselected package nginx-common.
(Reading database ... 193223 files and directories currently installed.)
Preparing to unpack .../nginx-common_1.24.0-2ubuntu7.5_all.deb ...
Unpacking nginx-common (1.24.0-2ubuntu7.5) ...
Selecting previously unselected package nginx.
Preparing to unpack .../nginx_1.24.0-2ubuntu7.5_amd64.deb ...
Unpacking nginx (1.24.0-2ubuntu7.5) ...
Setting up nginx-common (1.24.0-2ubuntu7.5) ...
Created symlink /etc/systemd/system/multi-user.target.wants/nginx.service → /usr/lib/systemd/system/nginx.service.
Could not execute systemctl:  at /usr/bin/deb-systemd-invoke line 148.
Setting up nginx (1.24.0-2ubuntu7.5) ...
Not attempting to start NGINX, port 80 is already in use
```

Aquí instalamos el otro servicio que en este caso es Nginx

```
root@ubuntu:/home/ChrisUser# service nginx start
root@ubuntu:/home/ChrisUser# systemctl status nginx
● nginx.service - A high performance web server and a reverse proxy server
     Loaded: loaded (/usr/lib/systemd/system/nginx.service; enabled; preset: enabled)
     Active: active (running) since Fri 2025-10-03 07:57:59 UTC; 4s ago
       Docs: man:nginx(8)
    Process: 14352 ExecStartPre=/usr/sbin/nginx -t -q -g daemon on; master_process on; (code=exited, status=0/SUCCESS)
    Process: 14354 ExecStart=/usr/sbin/nginx -g daemon on; master_process on; (code=exited, status=0/SUCCESS)
   Main PID: 14355 (nginx)
      Tasks: 5 (limit: 4603)
     Memory: 3.7M (peak: 4.2M)
        CPU: 15ms
     CGroup: /system.slice/nginx.service
             ├─14355 "nginx: master process /usr/sbin/nginx -g daemon on; master_process on;"
             ├─14356 "nginx: worker process"
             ├─14357 "nginx: worker process"
             ├─14358 "nginx: worker process"
             └─14359 "nginx: worker process"

Oct 03 07:57:59 ubuntu systemd[1]: Starting nginx.service - A high performance web server and a reverse proxy server...
Oct 03 07:57:59 ubuntu systemd[1]: Started nginx.service - A high performance web server and a reverse proxy server.
```

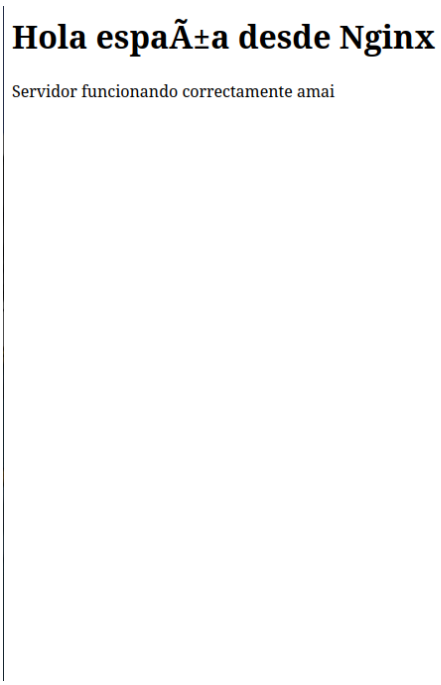
Miramos que funcione a la perfección

```
root@ubuntu:/home/ChrisUser# echo "<h1>Hola españa desde Nginx</h1><p>Servidor funcionando correctamente amai</p> | tee
/var/www/html/index.html
>
```

Creamos otro archivo en este caso para nginx

```
root@ubuntu:/home/ChrisUser# curl http://localhost
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN" "http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd"
>
<html xmlns="http://www.w3.org/1999/xhtml">
  <!--
    Modified from the Debian original for Ubuntu
    Last updated: 2022-03-22
    See: https://launchpad.net/bugs/1966004
  -->
  <head>
    <meta http-equiv="Content-Type" content="text/html; charset=UTF-8" />
    <title>Apache2 Ubuntu Default Page: It works</title>
    <style type="text/css" media="screen">
  * {
    margin: 0px 0px 0px 0px;
    padding: 0px 0px 0px 0px;
  }

  body, html {
    padding: 3px 3px 3px 3px;

    background-color: #D8DBE2;

    font-family: Ubuntu, Verdana, sans-serif;
    font-size: 11pt;
    text-align: center;
  }

  div.main_page {
    position: relative;
```

Realizamos otra vez el paso del enlace para que nos muestre el texto que hemos creado



Este sería el resultado (no me detecta la Ñ)