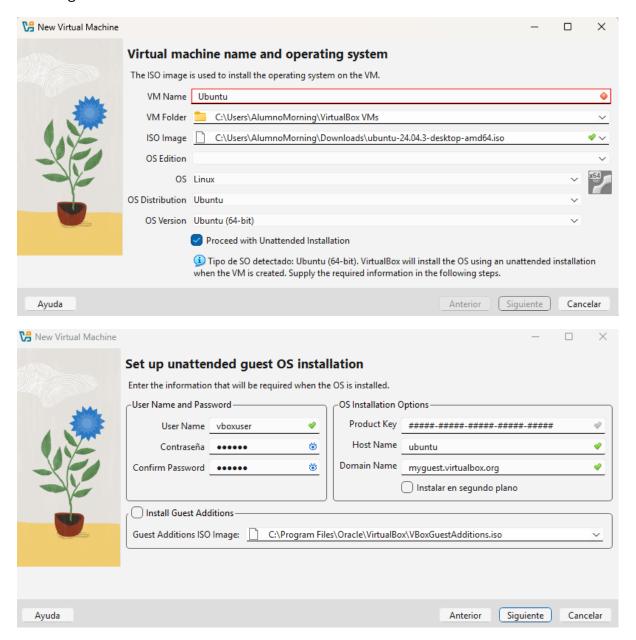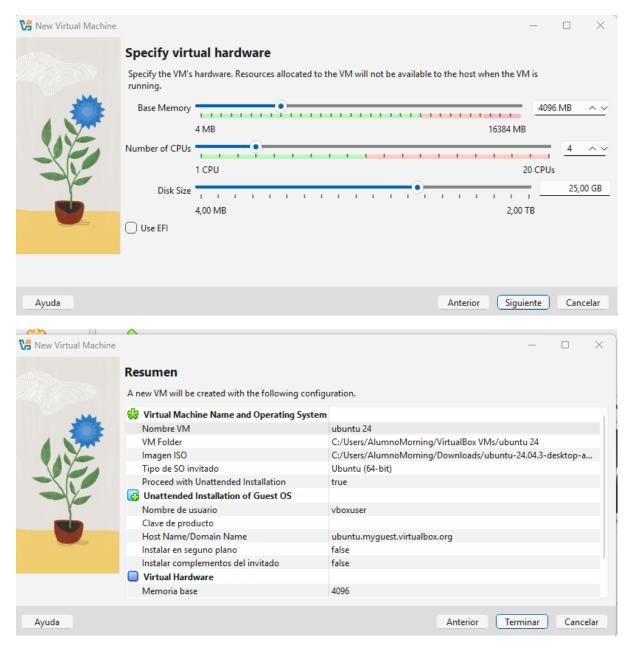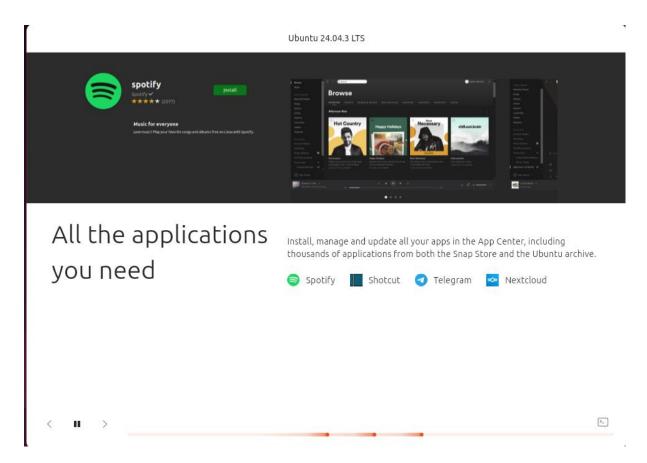# 1.Configuración de Ubuntu en VB

2.Instalación de Ubuntu

Ubuntu 24.04.3 LTS

1.Actualizar Sistema


```
juan@ubuntu:~$ sudo su
[sudo] password for juan:
root@ubuntu:/home/juan# apt update
Get:1 http://security.ubuntu.com/ubuntu noble-security InRelease [126 kB]
Hit:2 http://es.archive.ubuntu.com/ubuntu noble InRelease
Get:3 http://security.ubuntu.com/ubuntu noble-security/main amd64 Packages [1,20
1 kB]
Get:4 http://es.archive.ubuntu.com/ubuntu noble-updates InRelease [126 kB]
Get:5 http://security.ubuntu.com/ubuntu noble-security/main Translation-en [201
kB]
Get:6 http://security.ubuntu.com/ubuntu noble-security/main amd64 Components [21
.6 kB]
```

2.Instalar apache2


```
root@ubuntu:/home/juan# 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).
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 6 not upgraded.
```

3.Instalar PHP

```
root@ubuntu:/home/juan# 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).
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 6 not upgraded.
root@ubuntu:/home/juan# apt install php libapache2-mod-php -y
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
php is already the newest version (2:8.3+93ubuntu2).
libapache2-mod-php is already the newest version (2:8.3+93ubuntu2).
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 6 not upgraded.
```

4.Iniciar el Apache

```
root@ubuntu:/home/juan# sudo service apache2 start
root@ubuntu:/home/juan# .
```

5.Ver el estado de Apache

```
root@ubuntu:/home/juan# systemctl status apache2
● apache2.service - The Apache HTTP Server
    Loaded: loaded (/usr/lib/systemd/system/apache2.service; enabled; preset: >
    Active: active (running) since Fri 2025-10-03 08:40:18 UTC; 59s ago
      Docs: https://httpd.apache.org/docs/2.4/
   Process: 23353 ExecStart=/usr/sbin/apachectl start (code=exited, status=0/S>
  Main PID: 23356 (apache2)
     Tasks: 6 (limit: 4604)
    Memory: 9.8M (peak: 10.1M)
       CPU: 39ms
    CGroup: /system.slice/apache2.service
            ├─23356 /usr/sbin/apache2 -k start
            ├─23358 /usr/sbin/apache2 -k start
            ├─23359 /usr/sbin/apache2 -k start
            ├─23360 /usr/sbin/apache2 -k start
            ├─23361 /usr/sbin/apache2 -k start
            └─23362 /usr/sbin/apache2 -k start
```

6.Crear archivo PHP info

```
root@ubuntu:/home/juan# echo "<?php phpinfo(); ?>" | sudo tee /var/www/html/info
.php
<?php phpinfo(); ?>
```

7.Verificar en Navegador

PHP Version 8.3.6

System	Linux ubuntu 6.14.0-32-generic #32~24.04.1-Ubuntu SMP PREEMPT_DYNAMIC Tue Sep 2 14:21:04 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-opcache.ini, /etc/php/8.3/apache2/conf.d/10-pdo.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-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-gettext.ini, /etc/php/8.3/apache2/conf.d/20-iconv.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-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
PHP API	20230831
PHP Extension	20230831
Zend Extension	420230831
Zend Extension Build	API420230831,NTS
PHP Extension Build	API20230831,NTS
Debug Build	no
Thread Safety	disabled
Zend Signal Handling	enabled

8.Instalar Nginx


```
root@ubuntu:/home/juan# sudo apt install nginx -y
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
nginx is already the newest version (1.24.0-2ubuntu7.5).
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 6 not upgraded.
root@ubuntu:/home/juan#
```

9.Iniciar Nginx


```
root@ubuntu:/home/juan# _service nginx start
```

10.Ver el estado del Nginx

```
root@ubuntu:/home/juan# 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: en>
     Active: active (running) since Fri 2025-10-03 08:55:07 UTC; 27s ago
       Docs: man:nginx(8)
    Process: 25978 ExecStartPre=/usr/sbin/nginx -t -q -g daemon on; master_proc>
    Process: 25979 ExecStart=/usr/sbin/nginx -g daemon on; master_process on; (>
   Main PID: 25981 (nginx)
      Tasks: 4 (limit: 4604)
     Memory: 2.7M (peak: 2.8M)
        CPU: 12ms
     CGroup: /system.slice/nginx.service
             ├─25981 "nginx: master process /usr/sbin/nginx -g daemon on; maste>
             ├─25982 "nginx: worker process"
             ├─25983 "nginx: worker process"
             └─25984 "nginx: worker process"

Oct 03 08:55:07 ubuntu systemd[1]: Starting nginx.service - A high performance >
Oct 03 08:55:07 ubuntu systemd[1]: Started nginx.service - A high performance w>
```

11. Crear archivo HTML

```
root@ubuntu:/home/juan# echo "<h1>Hola Mundo desde Nginx</h1><p>Servidor funcion
ando correctamente</p>" | sudo tee /var/www/html/index.html
<h1>Hola Mundo desde Nginx</h1><p>Servidor funcionando correctamente</p>
```

12. Verificar en Navegador

Hola Mundo desde Nginx

Servidor funcionando correctamente

13. Ver la IP desde WSL

```
root@ubuntu:/home/juan# ip addr show enp0s3 | grep inet
    inet 10.0.2.15/24 brd 10.0.2.255 scope global dynamic noprefixroute enp0s3
```