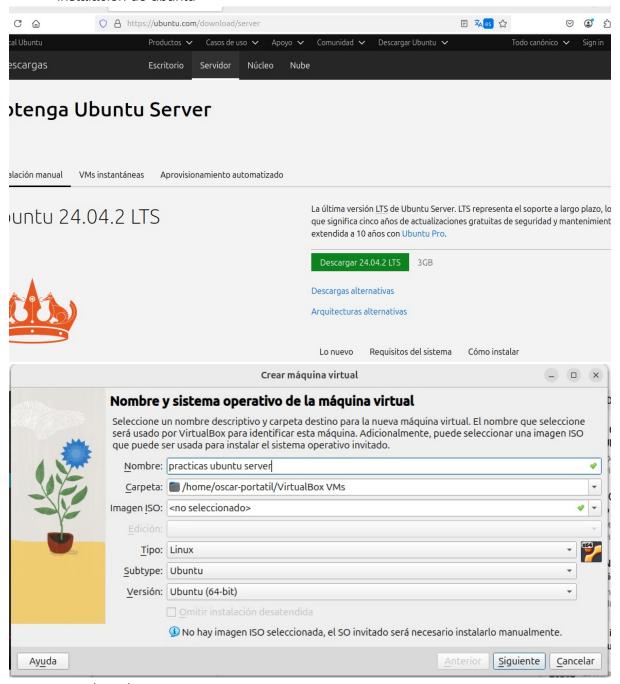
fase 1, instalación del sistema base

instalación de ubuntu



zona horaria correcta

```
oscar@srv-base-oscarhernandez:~$ sudo timedatectl set-timezone europe/madrid
[sudo] password for oscar:
oscar@srv-base-oscarhernandez:~$ sudo timedatectl set-timezone Europe/Madrid
oscar@srv-base-oscarhernandez:~$ timedatectl
            Local time: sáb 2025-06-21 17:02:10 CEST
Universal time: sáb 2025-06-21 15:02:10 UTC
                   RTC time: sáb 2025-06-21 15:02:10
Time zone: Europe/Madrid (CEST, +0200)
System clock synchronized: no
              NTP service: active
           RTC in local TZ: no
oscar@srv-base-oscarhernandez:~$ _
      nombre del host
```

```
oscar@srv-base-oscarhernandez:~$ hostname
srv-base-oscarhernandez
oscar@srv-base-oscarhernandez:~$ _
```

actualiza sus paquetes apt update && apt upgrade

```
Running kernel seems to be up-to-date.
Restarting services...
/etc/needrestart/restart.d/systemd-manager
systematl restart multipathd.service udisks2.service
Service restarts being deferred:
/etc/needrestart/restart.d/dbus.service
systematl restart unattended-upgrades.service
No containers need to be restarted.
Jser sessions running outdated binaries:
oscar @ session #1: apt[1330]
oscar @ user manager service: systemd[1004]
No VM guests are running outdated hypervisor (qemu) binaries on this host.
oscar@srv-base-oscarhernandez:~$
```

fase 2, configuración de la red y acceso remoto

configuración de una ip estatica

```
letwork:
  version: 2
  ethernets:
    enp0s3:
     dhcp4: no
     addresses:
        - 192.168.1.5/24
     routes:
        - to: default
          via: 192.168.1.1
     nameservers:
          addresses: [8.8.8.8, 8.8.4.4]
```

configurar el archivo /etc/hosts con el nombre del servidor

```
[27.0.0.1 localhost
127.0.1.1 srv-base-oscarhernandez

The following lines are desirable for IPv6 capable hosts

:1 ip6-localhost ip6-loopback

:e00::0 ip6-localnet

:f00::0 ip6-mcastprefix

:f02::1 ip6-allnodes

:f02::2 ip6-allrouters
```

instalar y configurar sistema ssh

verificar conexion con otro sistema con ssh

```
he authenticity of host '192.168.1.5 (192.168.1.5)' can't be established.

D25519 key fingerprint is SHA256:IMQMhOJENriVeKPfEonLVZWZbSZf0PKDsna5guYK+ks.

his key is not known by any other names.

re you sure you want to continue connecting (yes/no/[fingerprint])? yes

larning: Permanently added '192.168.1.5' (ED25519) to the list of known hosts.

lelcome to Ubuntu 24.04.2 LTS (GNU/Linux 6.8.0-62-generic x86_64)

Documentation: https://help.ubuntu.com

* Management: https://landscape.canonical.com

* Support: https://ubuntu.com/pro

System information as of sáb 21 jun 2025 19:12:23 CEST

System load: 0.0 Processes: 115

Usage of /: 32.4% of 14.04GB Users logged in: 1

Memory usage: 10% IPv4 address for enp0s3: 192.168.1.5

Swap usage: 0%

El mantenimiento de seguridad expandido para Applications está desactivado

Se pueden aplicar 0 actualizaciones de forma inmediata.

Active ESM Apps para recibir futuras actualizaciones de seguridad adicionales.

Vea https://ubuntu.com/esm o ejecute «sudo pro status»

OSCar@srv-base-oscarhernandez:-$
```

fase 3, seguridad minima obligatoria

instalar firewall

```
oscar@ubuntupracticas:~$ sudo ufw status
Status: active
Τo
                            Action
                                         From
22/tcp
                            ALLOW
                                         Anywhere
80/tcp
                            ALLOW
                                         Anywhere
443
                            ALLOW
                                         Anywhere
8080
                            ALLOW
                                         Anywhere
                            ALLOW
22/tcp (v6)
                                         Anywhere (v6)
80/tcp (v6)
                            ALLOW
                                         Anywhere (v6)
443 (v6)
                            ALLOW
                                         Anywhere (v6)
8080 (v6)
                                         Anywhere (v6)
                            ALLOW
oscar@ubuntupracticas:~$ sudo ufwreload
sudo: ufwreload: command not found
oscar@ubuntupracticas:~$ sudo ufw reload
Firewall reloaded
oscar@ubuntupracticas:~$
```

crear un usuario llamado desarrollador con permiso limitados

```
oscar@srv-base-oscarhernandez:/$ sudo adduser desarrollador
info: Adding user `desarrollador' ...
info: Selecting UID/GID from range 1000 to 59999 ...
info: Adding new group `desarrollador' (1007) ...
info: Adding new user `desarrollador' (1007) with group `desarrollador (1007)' ...
info: Creating home directory `/home/desarrollador' ...
info: Copying files from `/etc/skel' ...
New password:
Retype new password:
password updated successfully
Changing the user information for desarrollador
Enter the new value, or press ENTER for the default
    Full Name []:
    Room Number []:
    Home Phone []:
    Home Phone []:
    Other []:

Is the information correct? [Y/n] y
info: Adding new user `desarrollador' to supplemental / extra groups `users' ...
oscar@srv-base-oscarhernandez:/$
```

cambiar el puerto por defecto de ssh a 222 y reforzar la configuracion de /etc/ssh/sshd config

```
#PermitRootLogin no_
#LoginGraceTime 30_
#MaxAuthTries 3

loscar@srv-base-oscarhernandez:~$ sudo nmap -sT -p 2222 localhost
[sudo] password for oscar:
Starting Nmap 7.94SVN ( https://nmap.org ) at 2025-06-21 19:58 CEST
Nmap scan report for localhost (127.0.0.1)
Host is up (0.0014s latency).

PORT STATE SERVICE
2222/tcp open EtherNetIP-1

Nmap done: 1 IP address (1 host up) scanned in 0.08 seconds
oscar@srv-base-oscarhernandez:~$
```

fase 4 estructura de carpetas y servicios iniciales

crea las carpetas www, repositorio, docs

```
oscar@srv-base-oscarhernandez:/srv$ ls
docs repositorios www
oscar@srv-base-oscarhernandez:/srv$ _
```

el usuario desarrollador solo puede escribir en www

```
oscar@srv-base-oscarhernandez:/$ ls -ld /srv/www
drwx----- 2 desarrollador desarrollador 4096 jun 21 20:01 /srv/www
oscar@srv-base-oscarhernandez:/$
```

instalar servidor web apache