

Sistemas Operativos II

Ubuntu Server

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Licenciatura en Informática

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Ubuntu

Ubuntu es una distribución GNU/Linux basada en Debian GNU/Linux, que incluye principalmente software libre y de código abierto. Puede utilizarse en ordenadores y servidores. Está orientado al usuario promedio, con un fuerte enfoque en la facilidad de uso y en mejorar la experiencia del usuario. [2]



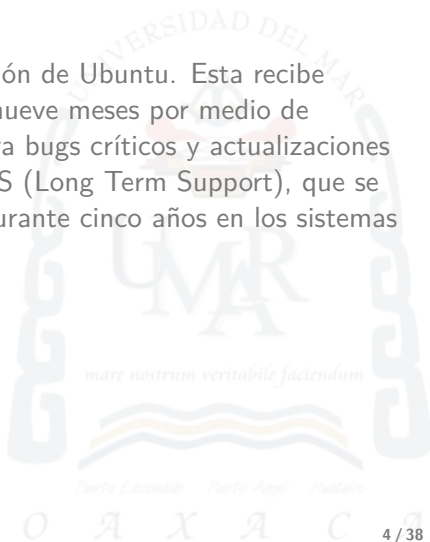
Ubuntu

Su patrocinador, Canonical, es una compañía británica propiedad del empresario sudafricano Mark Shuttleworth. Ofrece el sistema de manera gratuita, y se financia por medio de servicios vinculados al sistema operativo y vendiendo soporte técnico. Además, al mantenerlo libre y gratuito, la empresa es capaz de aprovechar los desarrolladores de la comunidad para mejorar los componentes de su sistema operativo. Extraoficialmente, la comunidad de desarrolladores proporciona soporte para otras derivaciones de Ubuntu, con otros entornos gráficos, como Kubuntu, Xubuntu, Ubuntu MATE, Edubuntu, Ubuntu Studio, Mythbuntu, Ubuntu GNOME y Lubuntu.[2]



Ubuntu


Cada seis meses se lanza una nueva versión de Ubuntu. Esta recibe soporte por parte de Canonical durante nueve meses por medio de actualizaciones de seguridad, parches para bugs críticos y actualizaciones menores de programas. Las versiones LTS (Long Term Support), que se liberan cada dos años, reciben soporte durante cinco años en los sistemas de escritorio y de servidor.[2]




Ubuntu

Ubuntu

Parte de GNU/Linux



Ubuntu



Ubuntu 24.04 "Noble Numbat"

Información general	
Tipo de programa	distribución Linux
Desarrollador	Canonical Ltd.
Modelo de desarrollo	Software libre y de código abierto
Lanzamiento inicial	20 de octubre de 2004
Licencia	GPL y otras
Estado actual	En desarrollo
Idiomas	Multilinguaje (más de 130) ¹

Versiones	
Última versión estable	24.04.1 (info) (29 de agosto de 2024 (1 mes y 6 días))
Última versión en pruebas	- (-)

Ubuntu

Información técnica	
Programado en	C++ C Shell de UNIX Python
Núcleo	Linux
Tipo de núcleo	Monolítico
Tamaño	2,7 gibibytes
Plataformas admitidas	x86-64 x86 ARM IA-32 ppc64 IBM ESA/390 RISC-V
Interfaz gráfica predeterminada	Unity (11.04 - 17.04) GNOME Shell (17.10+)
Sistema de gestión de paquetes	dpkg
Método de actualización	APT, (Software Updater, Ubuntu Software Center)

https://ubuntu.com/download/server


Canonical Ubuntu Products Use cases Support Community Get Ubuntu All Canonical Sign in

Downloads Desktop **Server** Core Cloud

Get Ubuntu Server

Manual installation Instant VMs Automated provisioning

Ubuntu 24.04.1 LTS



The latest LTS version of Ubuntu Server. LTS stands for long-term support — which means five years of free security and maintenance updates, extended to 10 years with [Ubuntu Pro](#).

[Download 24.04.1 LTS](#) 2.6GB

[Alternative downloads](#)

[Alternative architectures](#)

What's new System requirements How to install

- Linux 6.8 kernel with low latency kernel features enabled by default
- Frame pointers enabled by default for the majority of packages on x86 architectures
- Rust 1.75, .NET 8 and OpenJDK 21 with TCK certification in addition to other toolchain upgrades
- 64-bit time_t by default on armhf to address the year 2038 issue
- AppArmor-enforced unprivileged user namespaces restricted by default

[1]

What's new

System requirements

How to install

- ✓ 1 GHz processor or better
- ✓ 1 GB system memory
- ✓ 5 GB of free hard drive space
- ✓ Either a USB port or a DVD drive for the installer media

[1]



Ubuntu

What's new

System requirements

How to install

To install Ubuntu Server:

1. Download the ISO image
2. Create a bootable USB flash drive with [balenaEtcher](#) or similar
3. Boot from the USB flash drive

[1]

Ubuntu

Install Ubuntu Server on VirtualBox

▼ Nombre y sistema operativo

Nombre: Ubuntu Server 24.04.1



Carpeta:  /media/data/VBoxVMs

Imagen ISO:  /media/sw/isos_SO/GNU-Linux/ubuntu-24.04.1-live-server-amd64.iso

Edición:

Tipo: Linux

Subtype: Ubuntu

Versión: Ubuntu (64-bit)

☒ Omitir instalación desatendida

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Install Ubuntu Server on VirtualBox

▼ **Instalación desatendida**

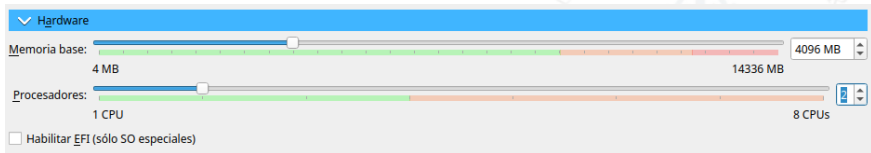
Usuario y contraseña	Opciones adicionales
Nombre de usuario: <input type="text" value="vboxuser"/>	Clave de producto: <input type="text" value="####-####-####-####-####"/>
Contraseña: <input type="password" value="●●●●●●●●"/>	Nombre de máquina: <input type="text" value="Ubuntu Server 24.04.1"/>
Repetir contraseña: <input type="password" value="●●●●●●●●"/>	Nombre de dominio: <input type="text" value="myguest.virtualbox.org"/>
	<input type="checkbox"/> Instalar en segundo plano

☐ Complementos del invitado

ISO de complementos del invitado:

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Install Ubuntu Server on VirtualBox

▼ Disco duro

☒ Crear un disco duro virtual ahora

Ubicación y tamaño del archivo de disco

/media/data/VBoxVMs/Ubuntu Server 24.04.1.vdi

4.00 MB 2.00 TB

35.00 GB

Tipo y variante de archivo de disco duro

VDI (VirtualBox Disk Image)

☐ Reservar completamente

☐ Split Into 2GB Parts

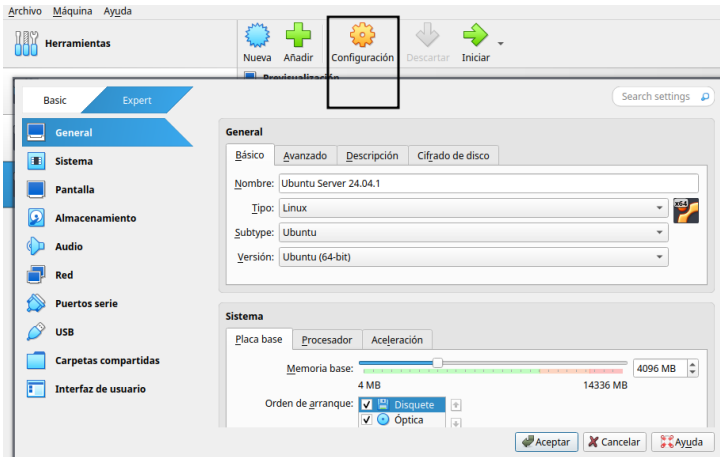
☐ Usar un archivo de disco duro virtual existente

debian-disk001.vdi (Normal, 18.00 GB)

☐ No añadir un disco duro virtual

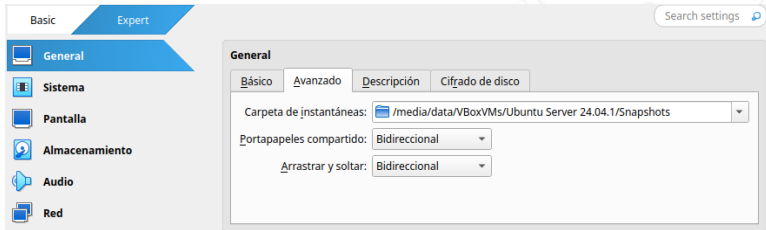
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Install Ubuntu Server on VirtualBox



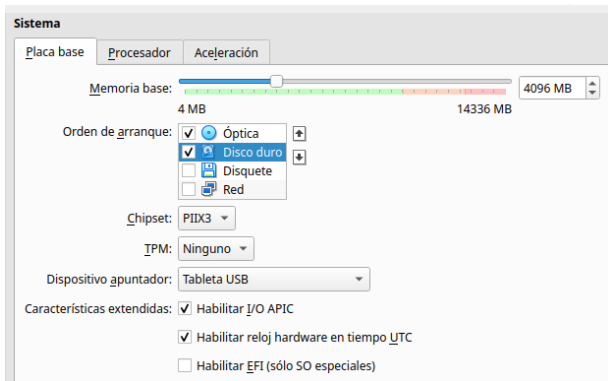
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Install Ubuntu Server on VirtualBox



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Install Ubuntu Server on VirtualBox

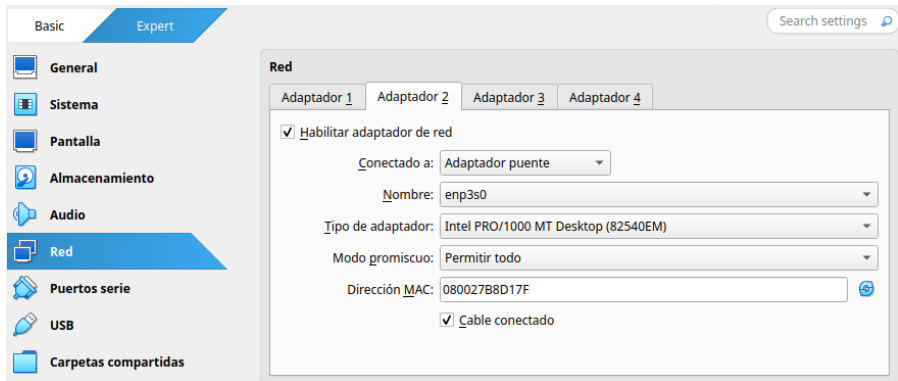
The screenshot shows the VirtualBox settings window for a virtual machine. The left sidebar contains a list of settings categories: General, Sistema, Pantalla, Almacenamiento, Audio, Red (selected), Puertos serie, USB, and Carpetas compartidas. The 'Red' category is highlighted in blue. The main pane shows the 'Red' network settings for 'Adaptador 1'. The settings are as follows:

- Adaptador 1** (selected tab)
- ☒ **Habilitar adaptador de red**
- Conectado a:** NAT
- Nombre:** (empty text field)
- Tipo de adaptador:** Intel PRO/1000 MT Desktop (82540EM)
- Modo promiscuo:** Denegar
- Dirección MAC:** 0800279419D4
- ☒ **Cable conectado**
- Reenvío de puertos:** (empty text field)

A search bar labeled 'Search settings' is located in the top right corner of the settings window.

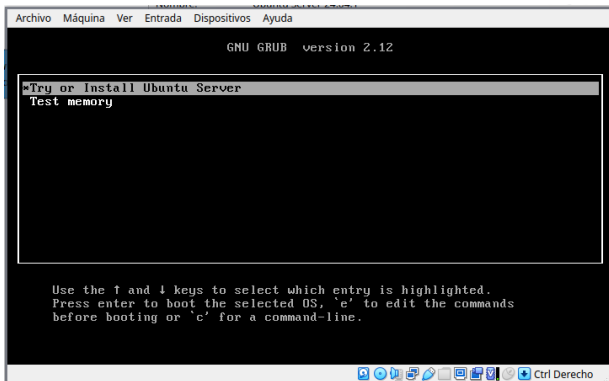
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Install Ubuntu Server on VirtualBox



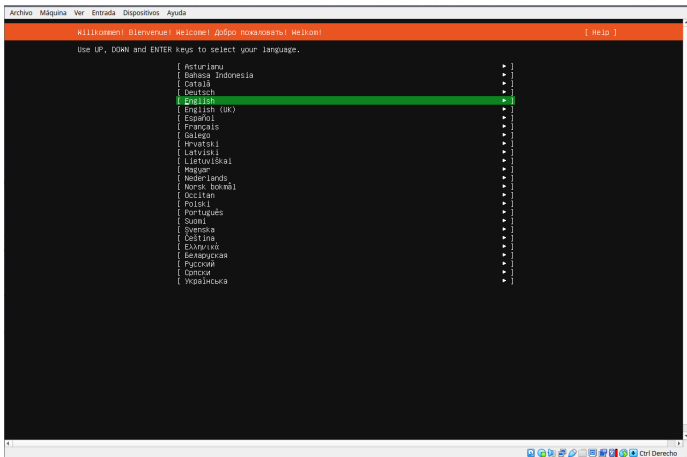
Ubuntu

Install Ubuntu Server on VirtualBox

```
Archivo  Máquina  Ver  Entrada  Dispositivos  Ayuda
[ OK ] Reached target remote-fs.target - Remote File Systems.
[ OK ] Finished blk-availability.service - Availability of block devices.
[ OK ] Listening on lxd-installer.socket - Helper to install lxd snap on demand.
[ OK ] Listening on snapd.socket - Socket activation for snappy daemon.
[ OK ] Reached target sockets.target - Socket Units.
[ OK ] Reached target basic.target - Basic System.
      Starting apport.service - automatic crash report generation...
      Starting cloud-config.service - Apply the settings specified in cloud-config...
[ OK ] Started cron.service - Regular background program processing daemon.
      Starting dbus.service - D-Bus System Message Bus...
[ OK ] Started dmccg.service - Save initial kernel messages after boot.
      Starting e2scrub_reap.service - Remove Stale Online ext4 Metadata Check Snapshots...
[ OK ] Reached target getty.target - Login Prompts.
      Starting polkit.service - Authorization Manager...
      Starting pollinate.service - Pollinate to seed the pseudo random number generator...
      Starting rsyslog.service - System Logging Service...
[ OK ] Reached target getty-pre.target - Preparation for Logins.
      Starting snapd.seeded.service - Wait until snapd is fully seeded...
      Starting snapd.service - Snap Daemon...
      Starting systat.service - Resets System Activity Logs...
      Starting systemd-logind.service - User Login Management...
      Starting udisks2.service - Disk Manager...
[ OK ] Started dbus.service - D-Bus System Message Bus.
[ OK ] Finished systat.service - Resets System Activity Logs.
      Starting systemd-hostnamed.service - Hostname Service...
[ OK ] Finished e2scrub_reap.service - Remove Stale Online ext4 Metadata Check Snapshots.
[ OK ] Started systemd-logind.service - User Login Management.
[ OK ] Started unattended-upgrades.service - Unattended Upgrades Shutdown.
[ OK ] Started systemd-hostnamed.service - Hostname Service.
[ OK ] Started polkit.service - Authorization Manager.
      Starting ModemManager.service - Modem Manager...
[ OK ] Started rsyslog.service - System Logging Service.
[ OK ] Started udisks2.service - Disk Manager.
[ OK ] Finished apport.service - automatic crash report generation.
[ OK ] Started ModemManager.service - Modem Manager.
[ OK ] Finished cloud-config.service - Apply the settings specified in cloud-config.
      Starting systemd-user-sessions.service - Permit User Sessions...
[ OK ] Finished systemd-user-sessions.service - Permit User Sessions.
      Starting plymouth-quit-wait.service - Hold until boot process finishes up...
[ OK ] Started plymouth-quit.service - Terminate Plymouth Boot Screen...
[ OK ] Finished plymouth-quit-wait.service - Hold until boot process finishes up.
      Starting setvtrgb.service - Set console scheme...
[ OK ] Finished plymouth-quit.service - Terminate Plymouth Boot Screen.
[ OK ] Finished pollinate.service - Pollinate to seed the pseudo random number generator.
[ OK ] Finished setvtrgb.service - Set console scheme.
[ OK ] Started snapd.service - Snap Daemon.
      Starting snapd.hold.service - Holds Snappy daemon refresh...
[ OK ] Finished snapd.hold.service - Holds Snappy daemon refresh.
[ OK ] Started snap.subiquity.hook.install-B09dc9f4-1e40-41fe-94df-Bc5c32bf54d8.scope.
```

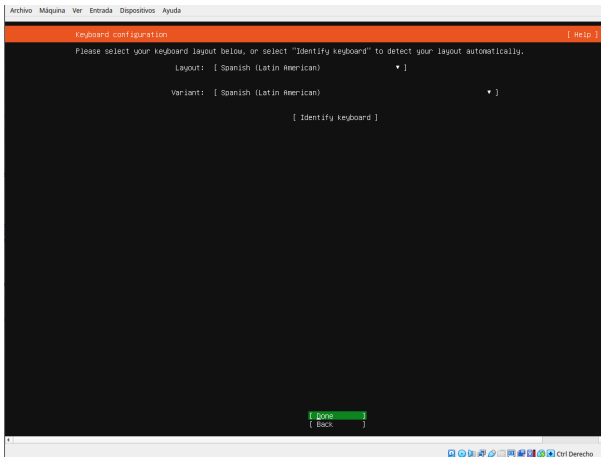
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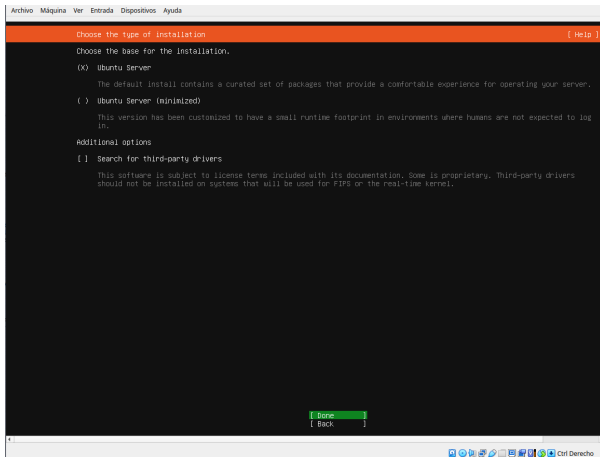
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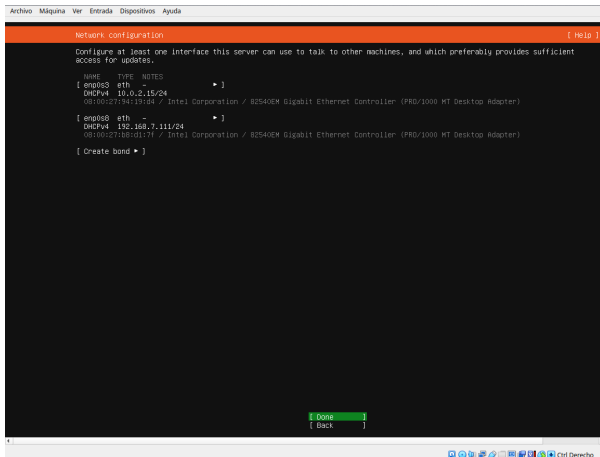
Ubuntu

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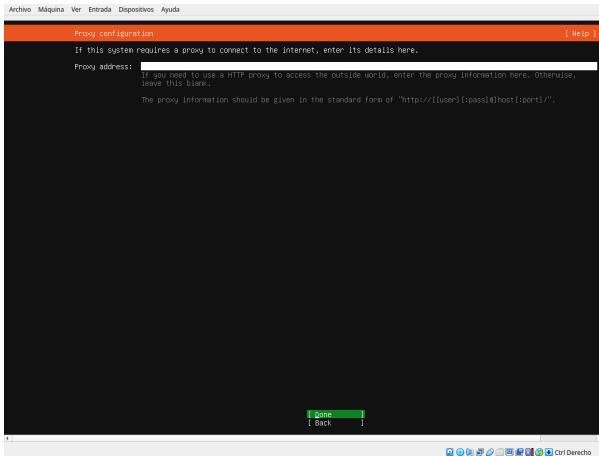
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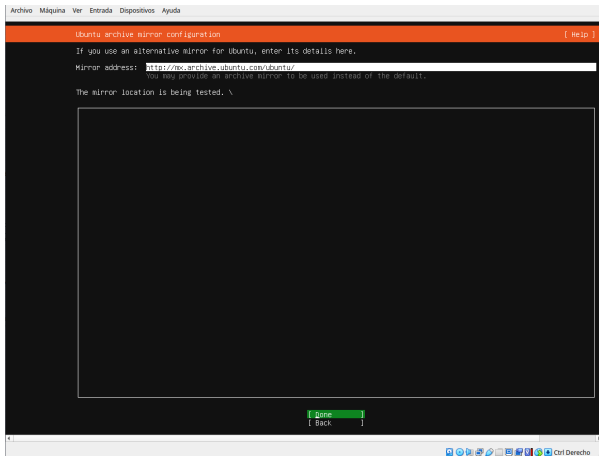
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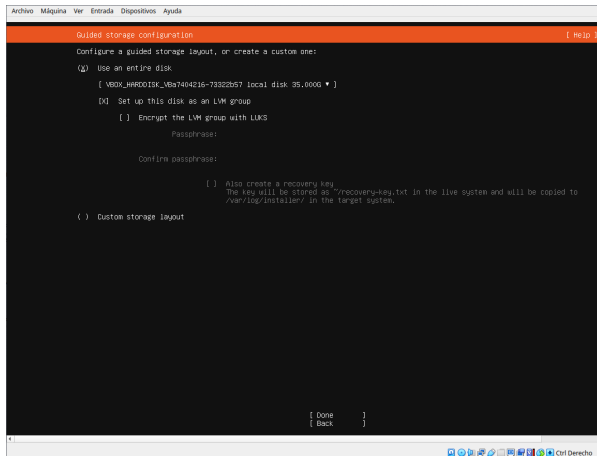
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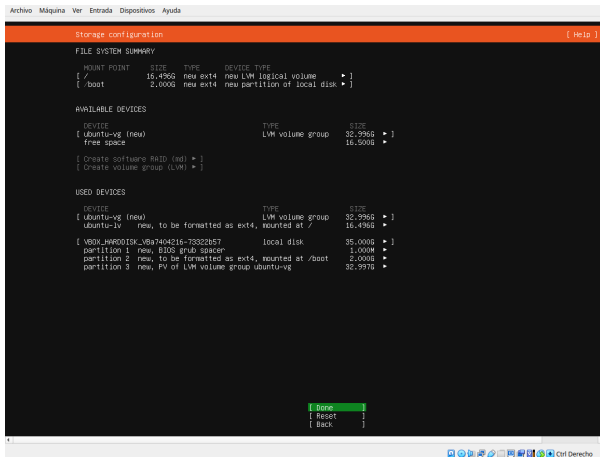
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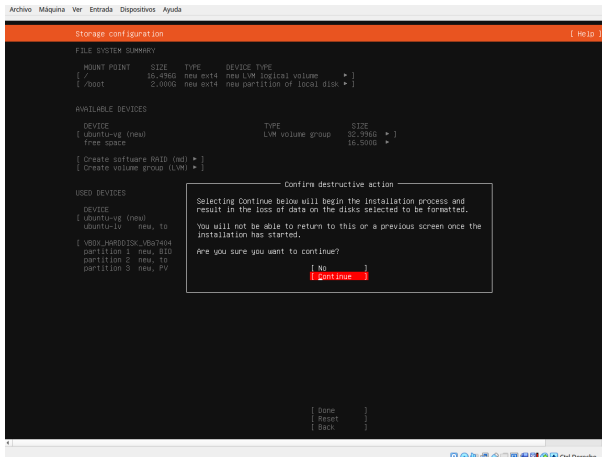
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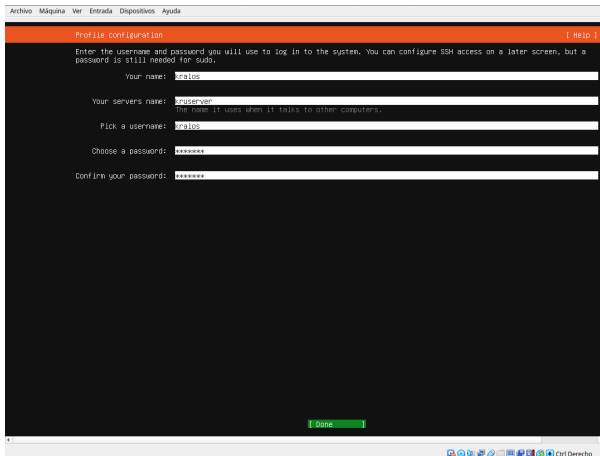
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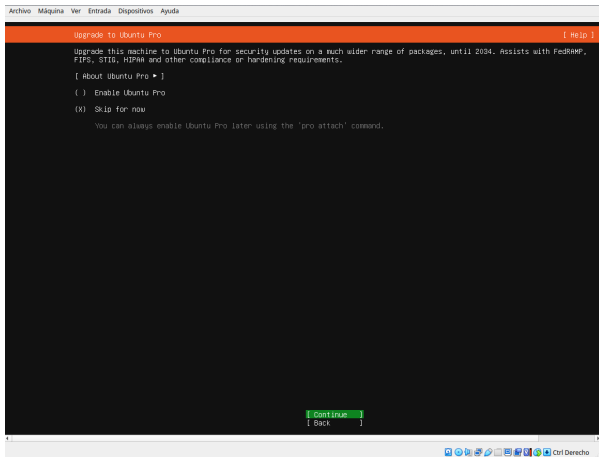
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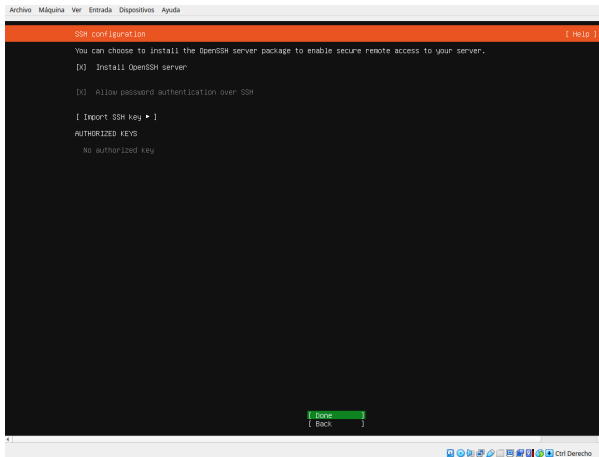
Ubuntu

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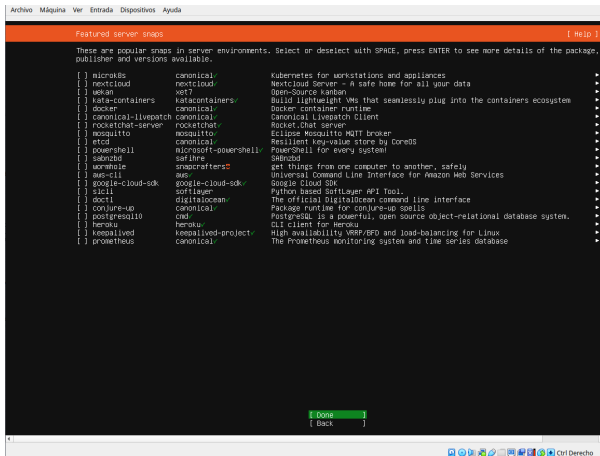
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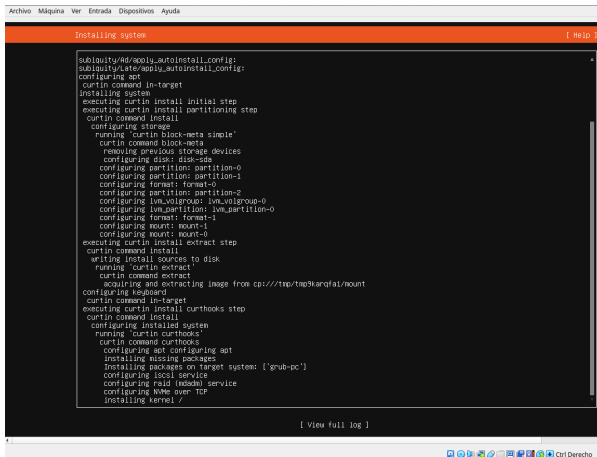
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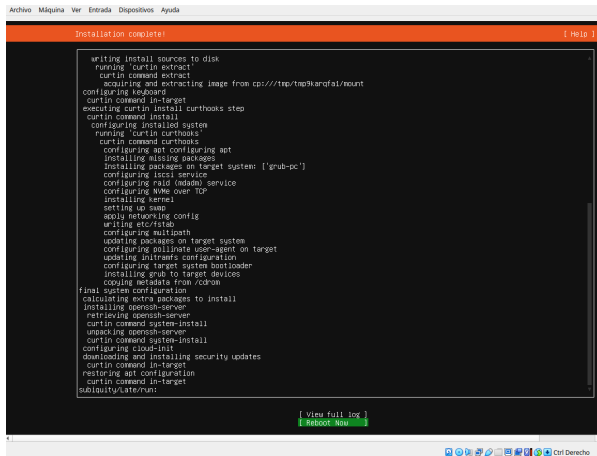


```
subiquity/ad/apply_autoinstall_config:
subiquity/late/apply_autoinstall_config:
configuring apt
curtin command in-target
installing system
executing curtin install initial step
executing curtin install partitioning step
curtin command install
configuring storage
running 'curtin block-meta simple'
curtin command block-meta
removing previous storage devices
configuring disk: disk-sda
configuring partition: partition-0
configuring partition: partition-1
configuring format: format-0
configuring partition: partition-2
configuring lvm_voigroup: lvm_voigroup-0
configuring lvm_partition: lvm_partition-0
configuring format: format-1
configuring mount: mount-1
configuring mount: mount-0
executing curtin install extract step
curtin command install
writing install sources to disk
running 'curtin extract'
curtin command extract
acquiring and extracting image from cp://trp/tmp9kargfal/mount
configuring keyboard
curtin command in-target
executing curtin install curthooks step
curtin command install
configuring installed system
running 'curtin curthooks'
curtin command curthooks
configuring apt configuring apt
installing missing packages
installing packages on target system: ['grub-pc']
configuring iscsi service
configuring raid (mdadm) service
configuring nfs over TCP
installing kernel /
```

[View full log]

Ubuntu

Install Ubuntu Server on VirtualBox



```
Archivo  Máquina  Ver  Entrada  Dispositivos  Ayuda

Installation complete! [ Help ]

writing install sources to disk
running 'curtin extract'
curtin command extract
acquiring and extracting image from cp:///tmp/tmp9karqfal/mount
configuring keyboard
curtin command in-target
executing curtin install curthooks step
curtin command install
configuring installed system
running 'curtin curthooks'
curtin command curthooks
configuring apt configuring apt
installing missing packages
installing packages on target system: ['grub-pc']
configuring lscsi service
configuring raid (mdadm) service
configuring NVM over TCP
installing kernel
setting up swap
apply networking config
unifing etc/fstab
configuring multipath
updating packages on target system
configuring pollinate user-agent on target
updating initramfs configuration
configuring target system bootloader
installing grub to target devices
copying metadata from /cdrom
final system configuration
calculating extra packages to install
installing openssh-server
retrieving openssh-server
curtin command system-install
unpacking openssh-server
curtin command system-install
configuring cloud-init
downloading and installing security updates
curtin command in-target
restoring apt configuration
curtin command in-target
subiquity/late/run:

[ View full log ]
[ Reboot Now ]
```

Ubuntu

Install Ubuntu Server on VirtualBox

```
Archivo  Máquina  Ver  Entrada  Dispositivos  Ayuda
Ubuntu 24.04.1 LTS kruserver tty1
kruserver login: kralos
Password:
Welcome to Ubuntu 24.04.1 LTS (GNU/Linux 6.8.0-45-generic x86_64)

 * Documentation:  https://help.ubuntu.com
 * Management:    https://landscape.canonical.com
 * Support:       https://ubuntu.com/pro

System Information as of Tue Aug 27 14:23:49 UTC 2024

System load:  1.11      Processes:    30
Usage of /home: unknown  Users logged in:  0
Memory usage: 4%       IPv4 address for eth0: 10.10.10.2
Swap usage:   0%

Expanded Security Maintenance for Applications is not enabled.

31 updates can be applied immediately.
To see these additional updates run: apt list --upgradable

Enable ESM Apps to receive additional future security updates.
See https://ubuntu.com/esm or run: sudo pro status

The programs included with the Ubuntu system are free software;
the exact distribution terms for each program are described in the
individual files in /usr/share/doc/*/*copyright.

Ubuntu comes with ABSOLUTELY NO WARRANTY, to the extent permitted by
applicable law.

To run a command as administrator (user "root"), use "sudo <command>".
See "man sudo_root" for details.

kralos@kruserver:~$ _
```

Ubuntu

Install Ubuntu Server on VirtualBox

```
Archivo  Máquina  Ver  Entrada  Dispositivos  Ayuda
kralos@kruserver:~$ ls
kralos@kruserver:~$ ip a
1: lo: <LOOPBACK,UP,LOWER_UP> mtu 65536 qdisc noqueue state UNKNOWN group default qlen 1000
    link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00
    inet 127.0.0.1/8 scope host lo
        valid_lft forever preferred_lft forever
    inet6 ::1/128 scope host noprefixroute
        valid_lft forever preferred_lft forever
2: enp0s3: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc pfifo_fast state UP group default qlen 1000
    link/ether 08:00:27:94:19:d4 brd ff:ff:ff:ff:ff:ff
    inet 10.0.2.15/24 metric 100 brd 10.0.2.255 scope global dynamic enp0s3
        valid_lft 86342sec preferred_lft 86342sec
    inet6 fd00::a00:27ff:fe94:19d4/64 scope global dynamic mngtmpaddr noprefixroute
        valid_lft 86344sec preferred_lft 14344sec
    inet6 fe80::a00:27ff:fe94:19d4/64 scope link
        valid_lft forever preferred_lft forever
3: enp0s8: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc pfifo_fast state UP group default qlen 1000
    link/ether 08:00:27:b8:d1:7f brd ff:ff:ff:ff:ff:ff
    inet 192.168.7.111/24 metric 100 brd 192.168.7.255 scope global dynamic enp0s8
        valid_lft 86342sec preferred_lft 86342sec
    inet6 fe80::a00:27ff:feb8:d17f/64 scope link
        valid_lft forever preferred_lft forever
kralos@kruserver:~$ sudo shutdown -h now
```



Install ubuntu server.

<https://ubuntu.com/tutorials/install-ubuntu-server>.

Accessed: 2024-10-11.



Wikipedia contributors.

Ubuntu.

<https://en.wikipedia.org/w/index.php?title=Ubuntu&oldid=1250447004>, October 2024.

Accessed: 2024-10-11.

