

UBUNTU 20.4.5 INSTALLATION MANUAL - 2023



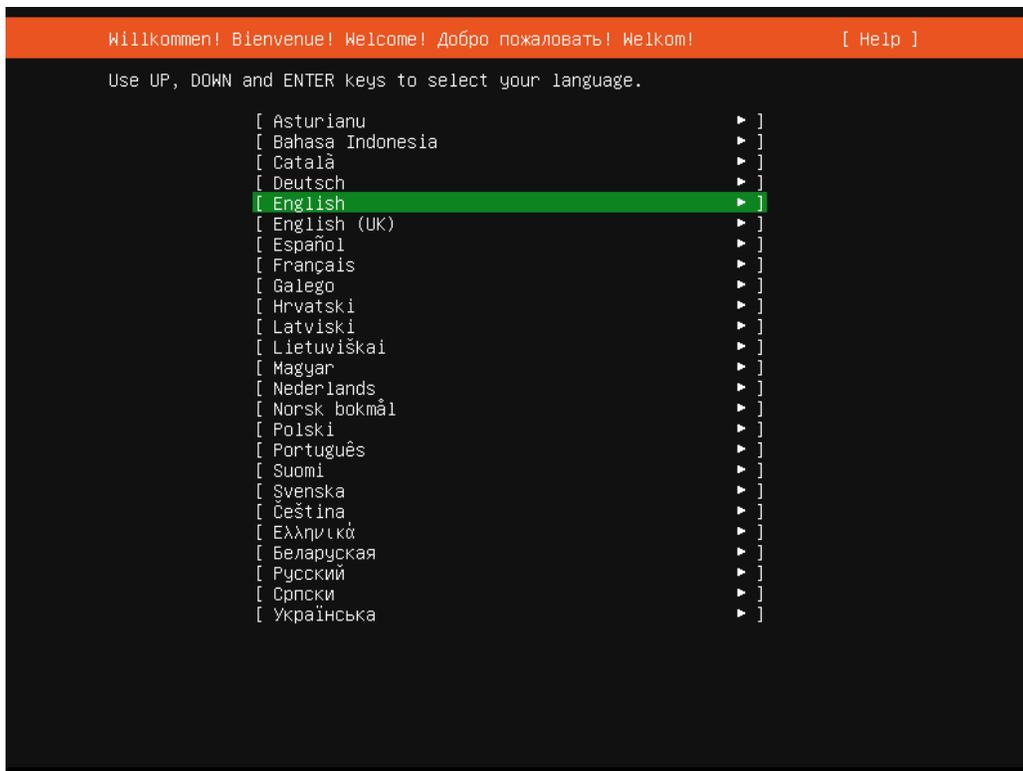
Step 1

Download the Ubuntu 20.4.5 image from the link below and use it to create a bootable USB drive.

<https://releases.ubuntu.com/focal/ubuntu-20.04.5-live-server-amd64.iso>

Step 2

First step is to set the server to boot off of the USB flash drive, after it loads it will prompt you to select the language. Hit enter on language of choice to proceed.



```
Willkommen! Bienvenue! Welcome! Добро пожаловать! Welkom! [ Help ]
Use UP, DOWN and ENTER keys to select your language.
[ Asturianu ]
[ Bahasa Indonesia ]
[ Català ]
[ Deutsch ]
[ English ]
[ English (UK) ]
[ Español ]
[ Français ]
[ Galego ]
[ Hrvatski ]
[ Latviski ]
[ Lietuviškai ]
[ Magyar ]
[ Nederlands ]
[ Norsk bokmål ]
[ Polski ]
[ Português ]
[ Suomi ]
[ Svenska ]
[ Čeština ]
[ Ελληνικά ]
[ Беларуская ]
[ Русский ]
[ Српски ]
[ Українська ]
```

Step 3

Next it will ask if you want to upgrade to latest version of OS, select **“Continue without updating”** and hit enter.

```
Installer update available [ Help ]
Version 23.02.1 of the installer is now available (22.07.2 is currently
running).
You can read the release notes for each version at:
https://github.com/canonical/subiquity/releases
If you choose to update, the update will be downloaded and the installation
will continue from here.
[ Update to the new installer ]
[ Continue without updating ]
[ Back ]
```

Step 4

Next step choose keyboard layouts, then go to **“Done”** and hit enter.

```
Keyboard configuration [ Help ]
Please select your keyboard layout below, or select "Identify keyboard" to
detect your layout automatically.
Layout: [ English (US) ▼ ]
Variant: [ English (US) ▼ ]
[ Identify keyboard ]
[ Done ]
[ Back ]
```

Step 5

Select the network you will be using next. You can edit the connections by selecting on the interface, make sure DHCP is assigning properly, or you assign the IP here before proceeding. Go down to **“Done”** and hit enter when completed.

```
Network connections [ Help ]

Configure at least one interface this server can use to talk to other machines,
and which preferably provides sufficient access for updates.

NAME  TYPE  NOTES
[ enp0s3 eth - ]
DHCPv4 10.0.2.15/24
08:00:27:0a:b6:0e / Intel Corporation / 82540EM Gigabit Ethernet Controller
(PRO/1000 MT Desktop Adapter)

[ Create bond ]

[ Done ]
[ Back ]
```

Step 6

No proxy address is required by default unless required by your organization, if not go **“Done”** to and hit enter.

```
Configure proxy [ Help ]

If this system requires a proxy to connect to the internet, enter its details
here.

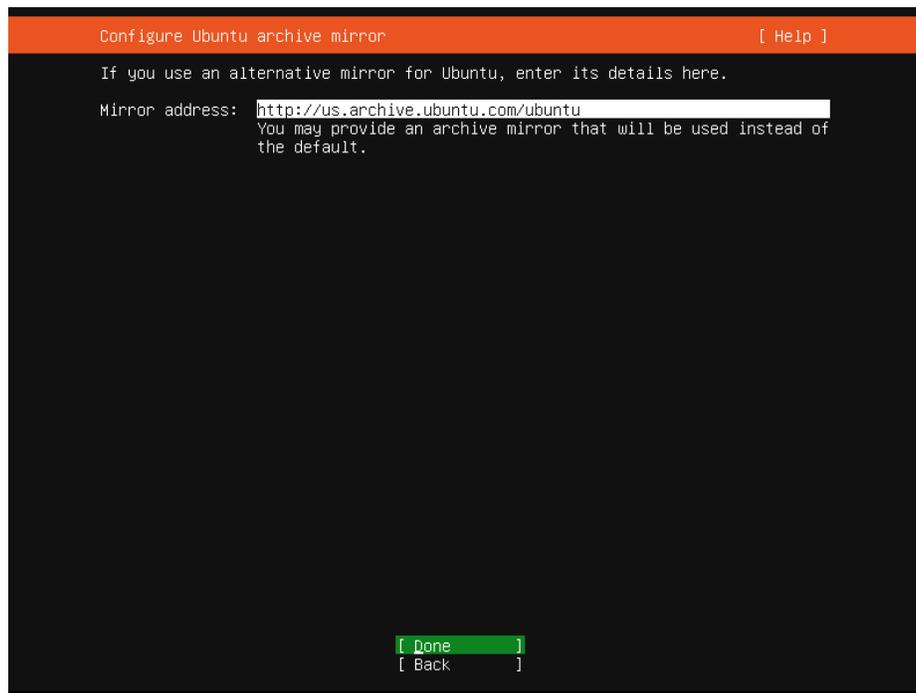
Proxy address: 
If you need to use a HTTP proxy to access the outside world,
enter the proxy information here. Otherwise, leave this blank.

The proxy information should be given in the standard form of
"http://[[user]][:pass]@]host[:port]/".

[ Done ]
[ Back ]
```

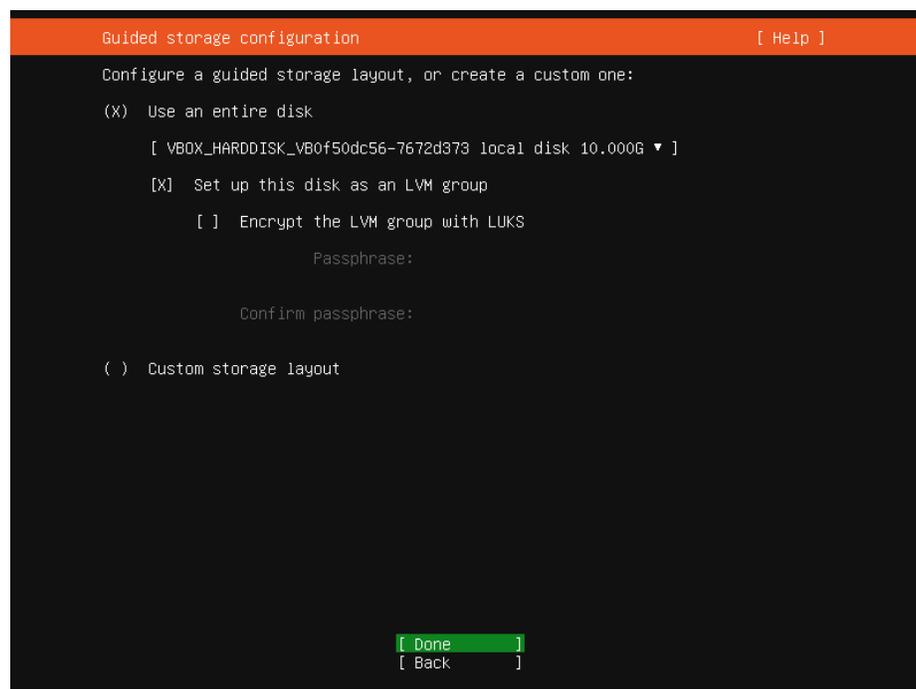
Step 7

Mirror Address can be left as is, go down to **“Done”** and hit enter.



Step 8

Storage setup can be left as default unless you have a need for a custom layout. Go down to **“Done”** and hit enter.



Step 9

This next screen shows you the layout that will be installed, go to **“Done”** and hit enter.

```
Storage configuration [ Help ]

FILE SYSTEM SUMMARY

MOUNT POINT  SIZE  TYPE  DEVICE TYPE
[ /          8.246G new ext4 new LVM logical volume ▶ ]
[ /boot     1.750G new ext4 new partition of local disk ▶ ]

AVAILABLE DEVICES

No available devices

[ Create software RAID (md) ▶ ]
[ Create volume group (LVM) ▶ ]

USED DEVICES

DEVICE              TYPE              SIZE
[ ubuntu-vg (new)   LVM volume group 8.246G ▶ ]
ubuntu-lv          new, to be formatted as ext4, mounted at / 8.246G ▶ ]

[ VBOX_HARDDISK_VB0f50dc56-7672d373    local disk    10.000G ▶ ]
partition 1  new, BIOS grub spacer              1.000M ▶ ]
partition 2  new, to be formatted as ext4, mounted at /boot 1.750G ▶ ]
partition 3  new, PV of LVM volume group ubuntu-vg          8.247G ▶ ]

[ Done ]
[ Reset ]
[ Back ]
```

Step 10

Next prompt confirms you want to format the storage, go to **“Continue”** and hit enter.

```
Storage configuration [ Help ]

FILE SYSTEM SUMMARY

MOUNT POINT  SIZE  TYPE  DEVICE TYPE
[ /          8.246G new ext4 new LVM logical volume ▶ ]
[ /boot     1.750G new ext4 new partition of local disk ▶ ]

AVAILABLE DEVICES

Confirm destructive action

Selecting Continue below will begin the installation process and
result in the loss of data on the disks selected to be formatted.

You will not be able to return to this or a previous screen once the
installation has started.

Are you sure you want to continue?

[ No ]
[ Continue ]

[ Done ]
[ Reset ]
[ Back ]
```

Step 11

On this next screen fill out all the fields and then go down to **“Done”** and hit enter.

Profile setup [Help]

Enter the username and password you will use to log in to the system. You can configure SSH access on the next screen but a password is still needed for sudo.

Your name:

Your server's name:
The name it uses when it talks to other computers.

Pick a username:

Choose a password:

Confirm your password:

[Done]

Step 12

Next screen, select Install OpenSSH server by hitting the spacebar, then go down to **“Done”** and hit enter.

SSH Setup [Help]

You can choose to install the OpenSSH server package to enable secure remote access to your server.

[X] Install OpenSSH server

Import SSH identity: [No ▼]
You can import your SSH keys from GitHub or Launchpad.

Import Username:

[X] Allow password authentication over SSH

[Done]
[Back]

Step 13

None of these programs are needed by Astra, go to **“Done”** and hit enter.

```
Featured Server Snaps [ Help ]

These are popular snaps in server environments. Select or deselect with SPACE,
press ENTER to see more details of the package, publisher and versions
available.

[ ] microk8s           Kubernetes for workstations and appliances
[ ] nextcloud          Nextcloud Server - A safe home for all your data
[ ] wekan              The open-source kanban
[ ] kata-containers    Build lightweight VMs that seamlessly plug into the c
[ ] docker             Docker container runtime
[ ] canonical-livepatch Canonical Livepatch Client
[ ] rocketchat-server  Rocket.Chat server
[ ] mosquitto          Eclipse Mosquitto MQTT broker
[ ] etcd               Resilient key-value store by CoreOS
[ ] powershell        PowerShell for every system!
[ ] stress-ng          tool to load and stress a computer
[ ] sabnzbd            SABnzbd
[ ] wormhole           get things from one computer to another, safely
[ ] aws-cli            Universal Command Line Interface for Amazon Web Servi
[ ] google-cloud-sdk   Google Cloud SDK
[ ] sicli              Python based SoftLayer API Tool.
[ ] doctl              The official DigitalOcean command line interface
[ ] conjure-up         Package runtime for conjure-up spells
[ ] postgresql10       PostgreSQL is a powerful, open source object-relation
[ ] heroku             CLI client for Heroku
[ ] keepalived         High availability VRRP/BFD and load-balancing for Lin
[ ] prometheus         The Prometheus monitoring system and time series data
[ ] juju               Juju - a model-driven operator lifecycle manager for

[ Done ]
[ Back ]
```

Step 14

Next and last step is the actual install when it completes you will see the **“Reboot Now”** option at the bottom, hit enter and system will reboot.

```
Install complete! [ Help ]

configuring apt configuring apt
installing missing packages
configuring iscsi service
configuring raid (mdadm) service
installing kernel
setting up swap
apply networking config
writing 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
finalizing installation
running 'curtin hook'
curtin command hook
executing late commands
final system configuration
configuring cloud-init
calculating extra packages to install
installing openssh-server
curtin command system-install
downloading and installing security updates
curtin command in-target
restoring apt configuration
curtin command in-target
subiquity/Late/run

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

If more in depth setup instructions are required for your specific environment, please use Ubuntu's installation resources at the link below:

<https://ubuntu.com/server/docs/installation>