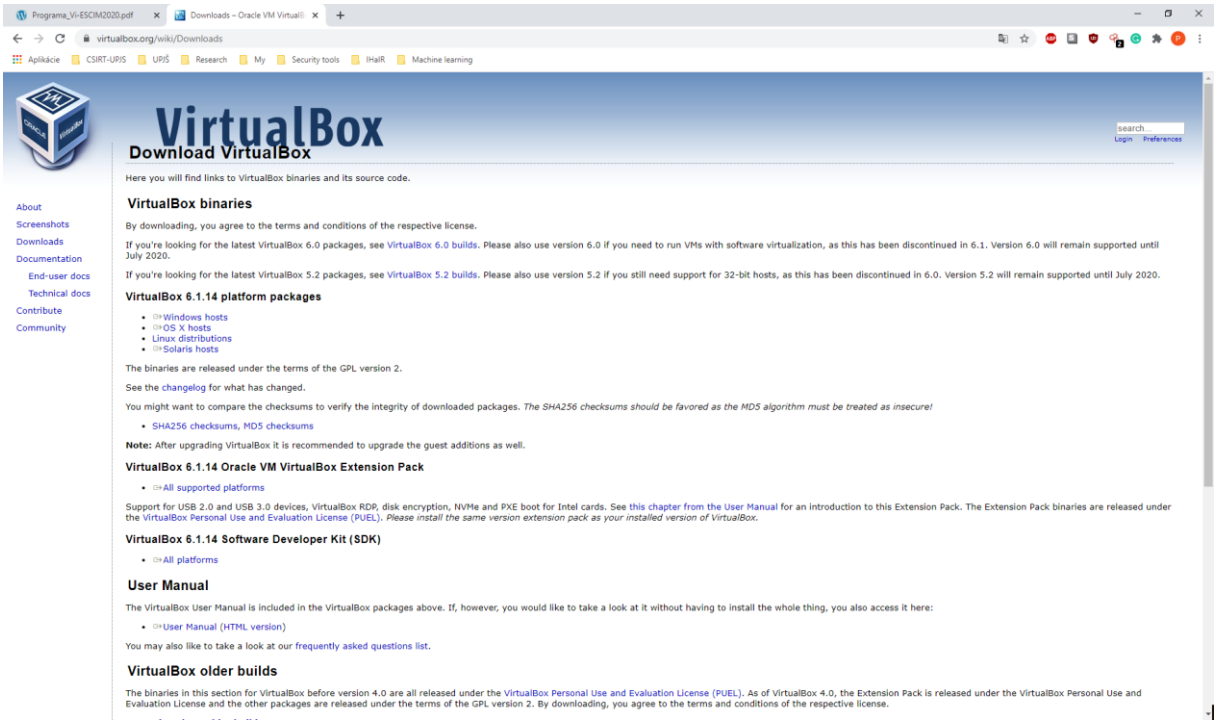
POS2 – Inštalácia VirtualBOX a Linux Ubuntu 20.4

1) Stiahnuť a nainštalovať VirtulBox a VirtulBox Extansion pack

https://www.virtualbox.org/wiki/Downloads



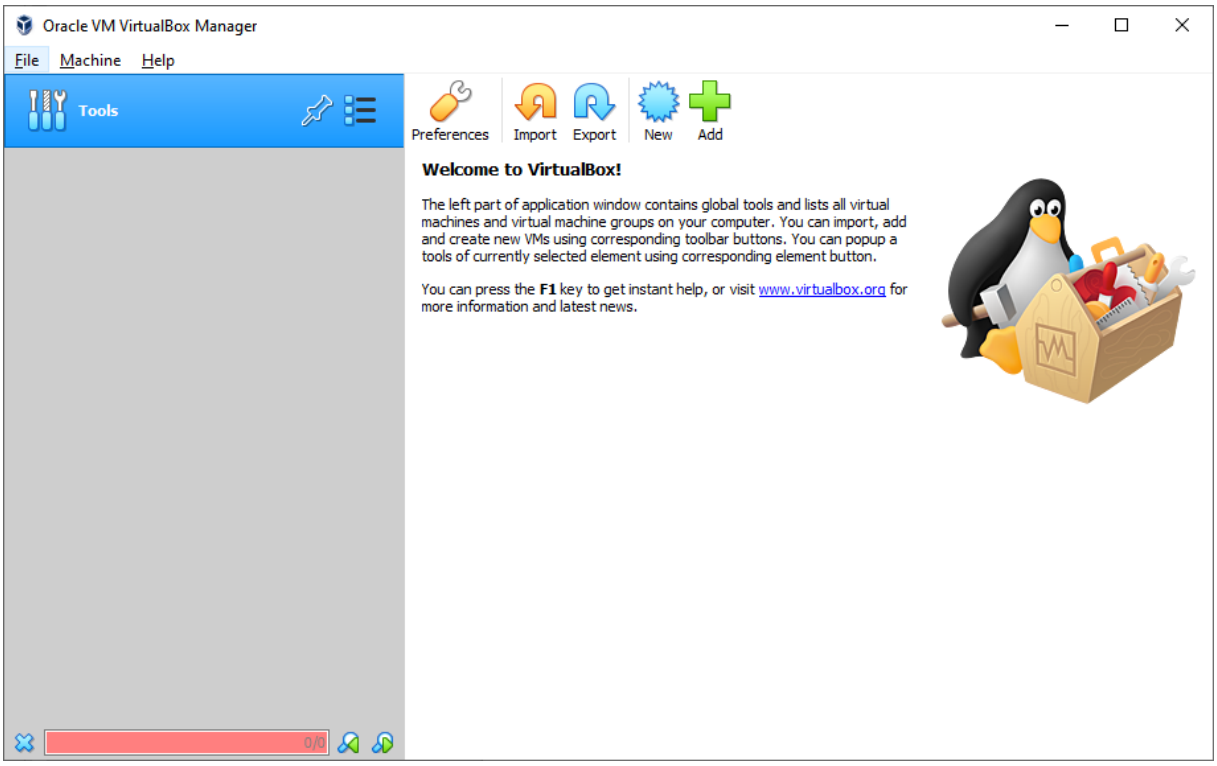
VirtualBox 6.1.14 platform packages

https://download.virtualbox.org/virtualbox/6.1.14/VirtualBox-6.1.14-140239-Win.exe

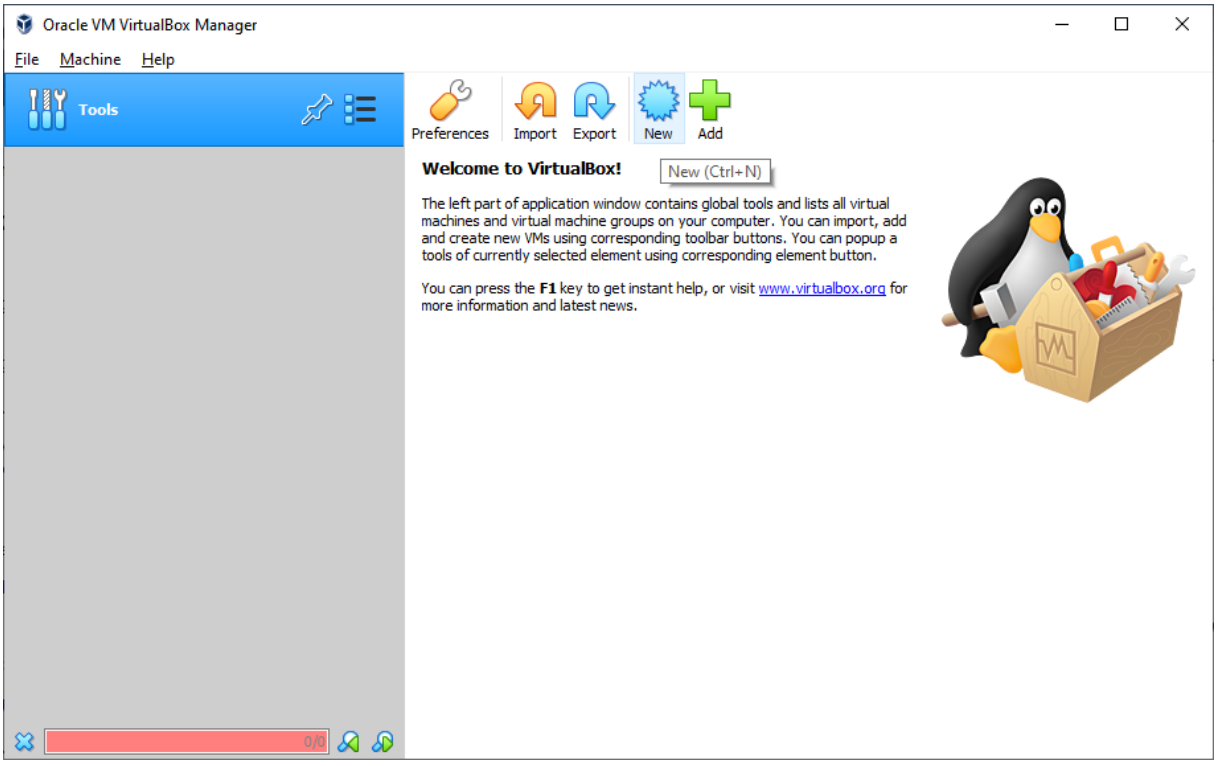
VirtualBox 6.1.14 Oracle VM VirtualBox Extension Pack

https://download.virtualbox.org/virtualbox/6.1.14/Oracle_VM_VirtualBox_Extension_Pack-6.1.14.vbox-extpack

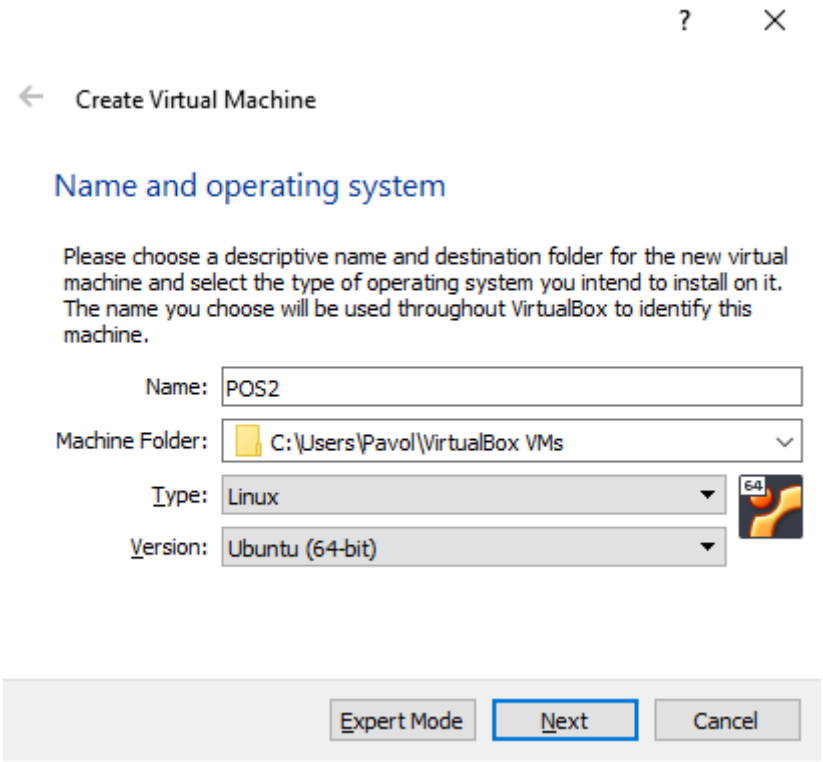
2) Spustiť VirtulBox



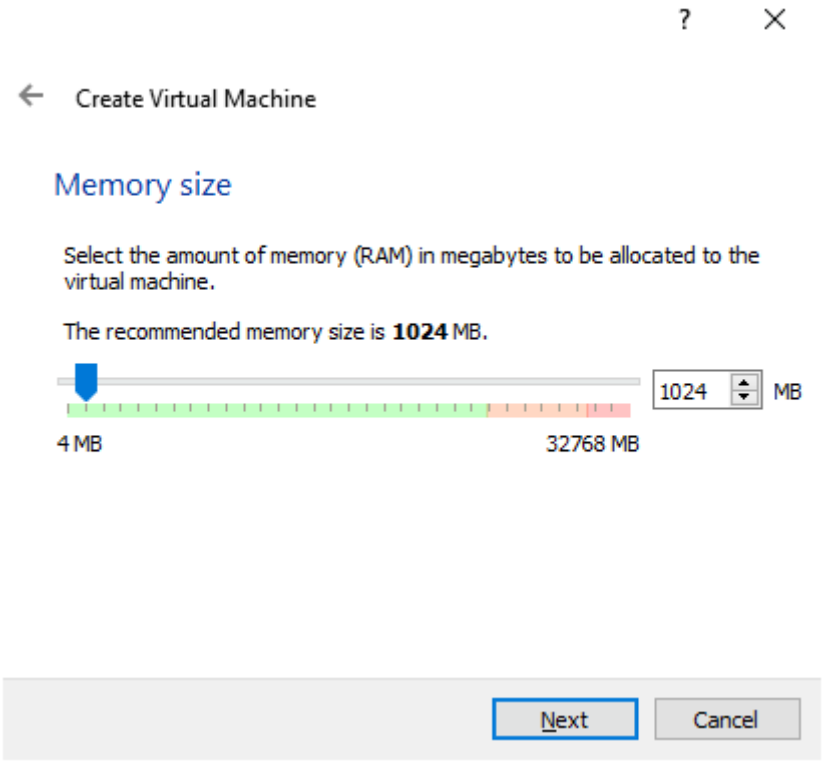
3) Vytvoriť nový virtuálny stroj (NEW)



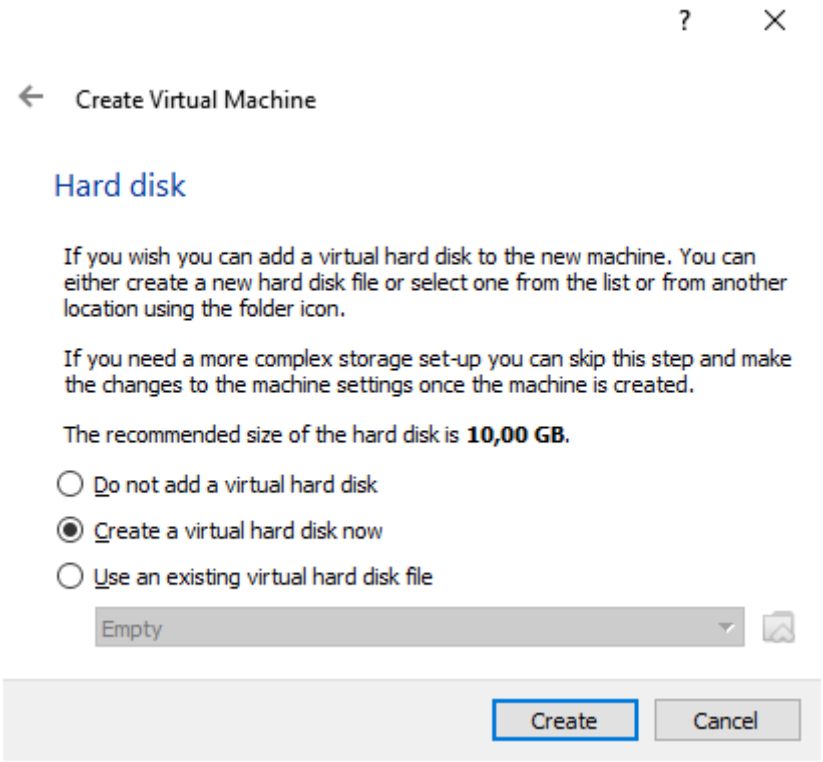
4) Zadajte názov virtuálneho stroja, typ a verziu operačného systému



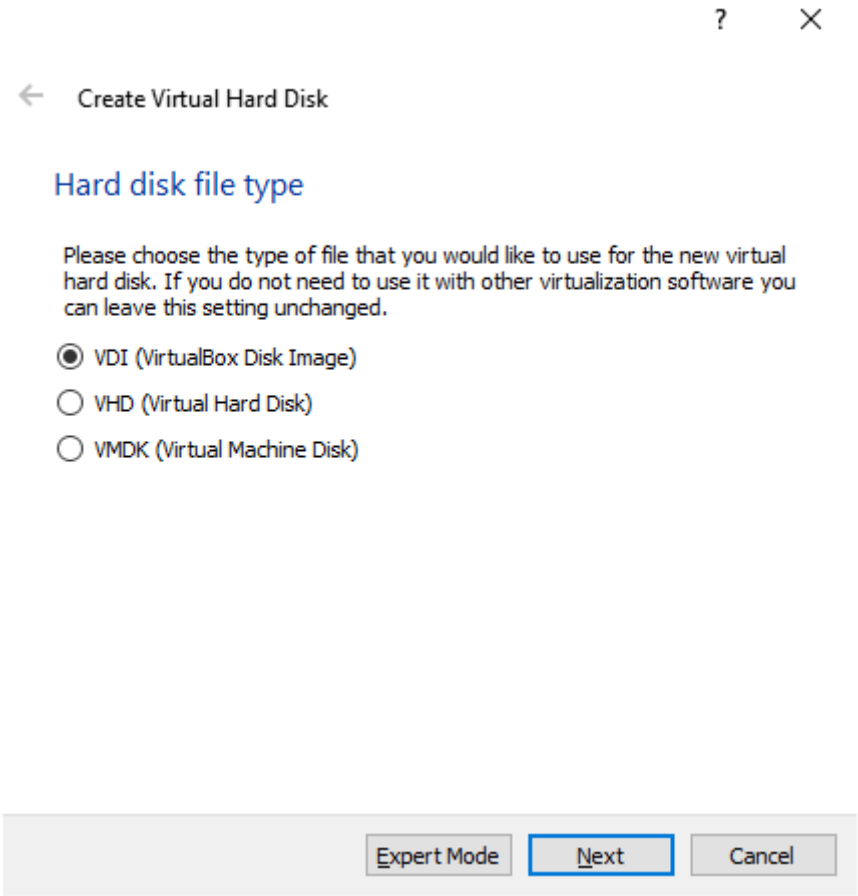
5) Nastavenie pamäte (ponechať 1024 MB)



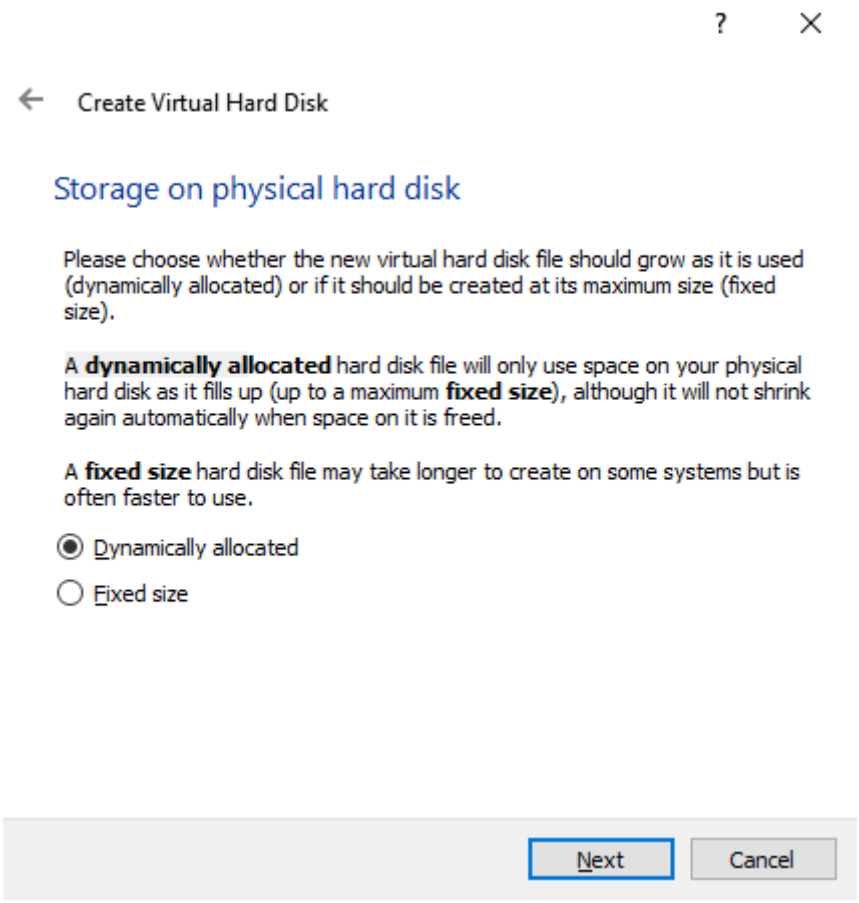
6) Vytvorenie virtuálneho disku



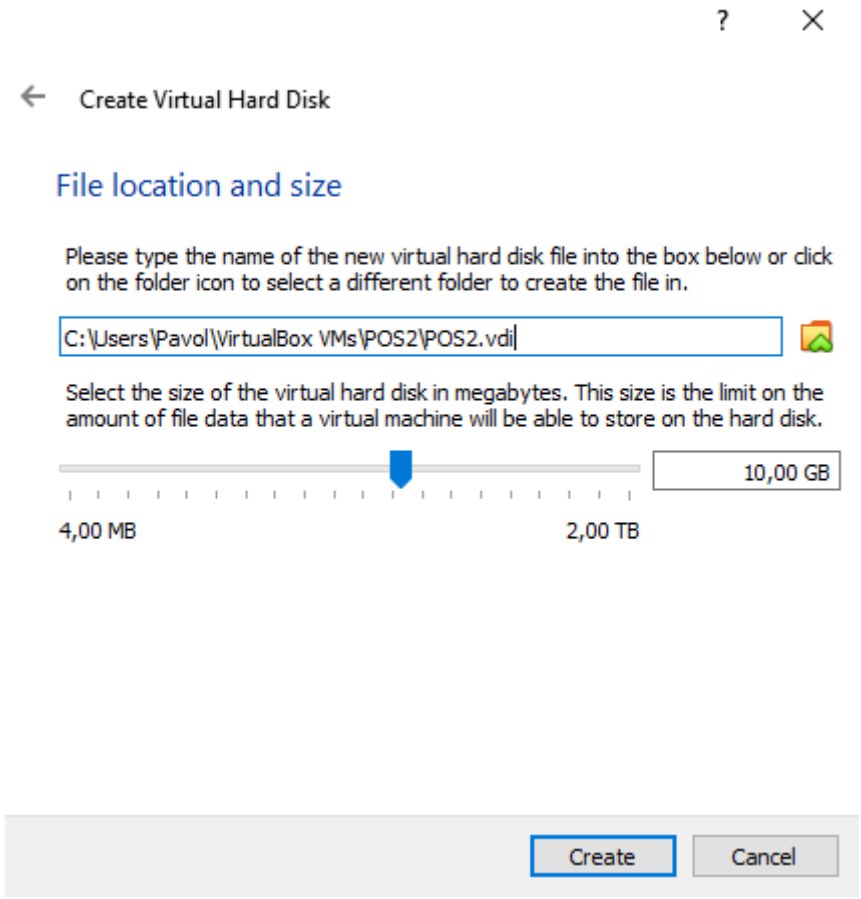
7) Zvolenie typu virtuálneho disku (ponechať VDI)



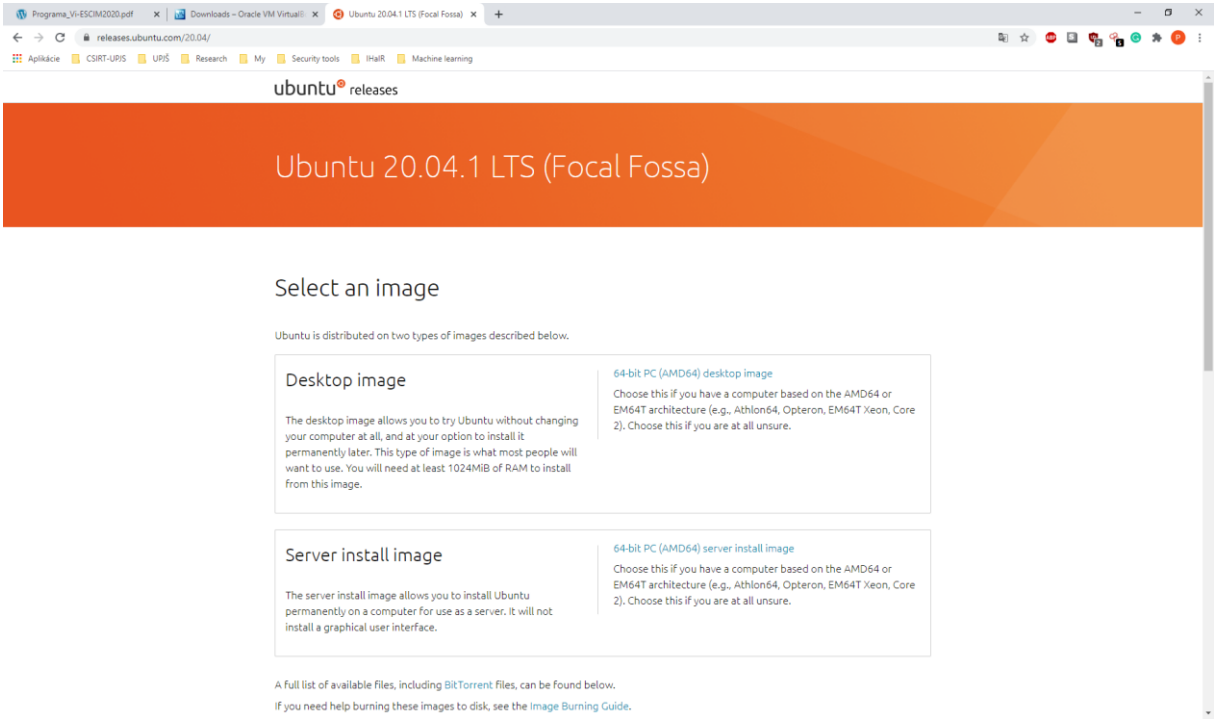
8) Zvolenie spôsobu ukladania údajov (ponechať Dynamically alocated)



9) Nastavenie veľkosti virtuálneho disku (ponechať 10 GB)

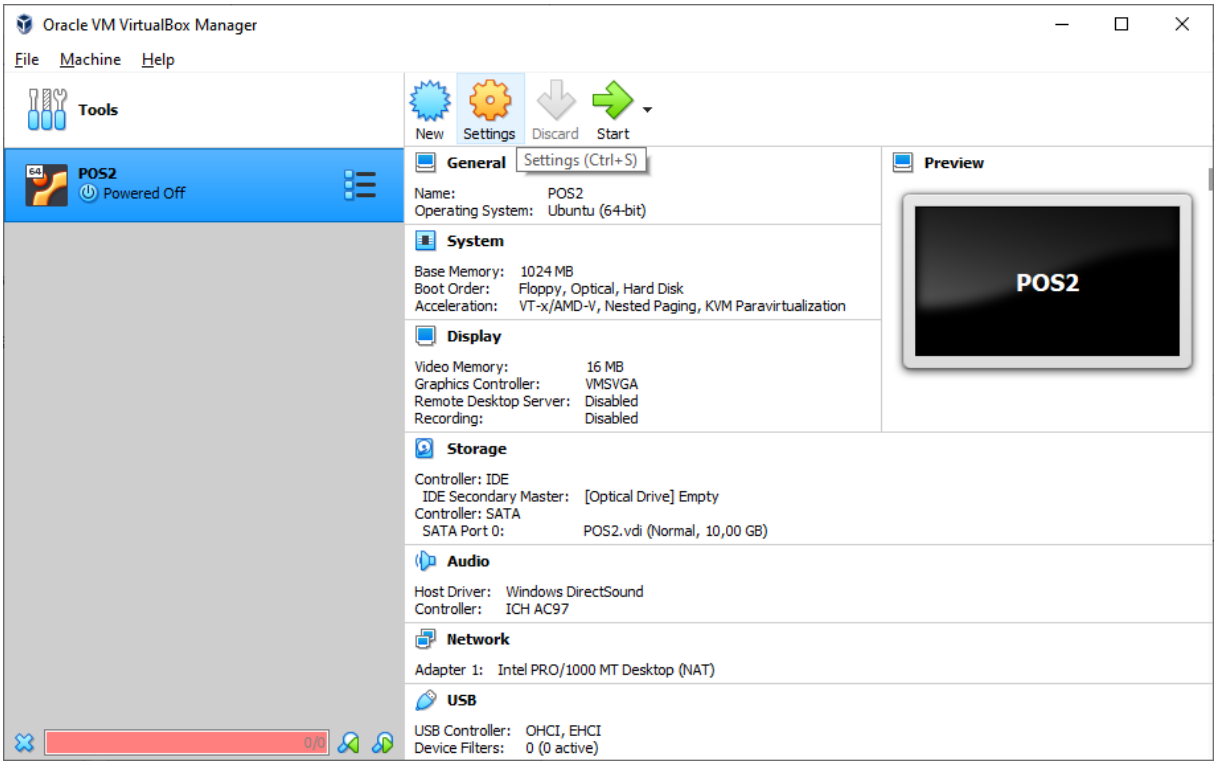


10) Stiahnuť obraz disku inštalácie operačného systému Ubuntu 20.04 (Server verzia)

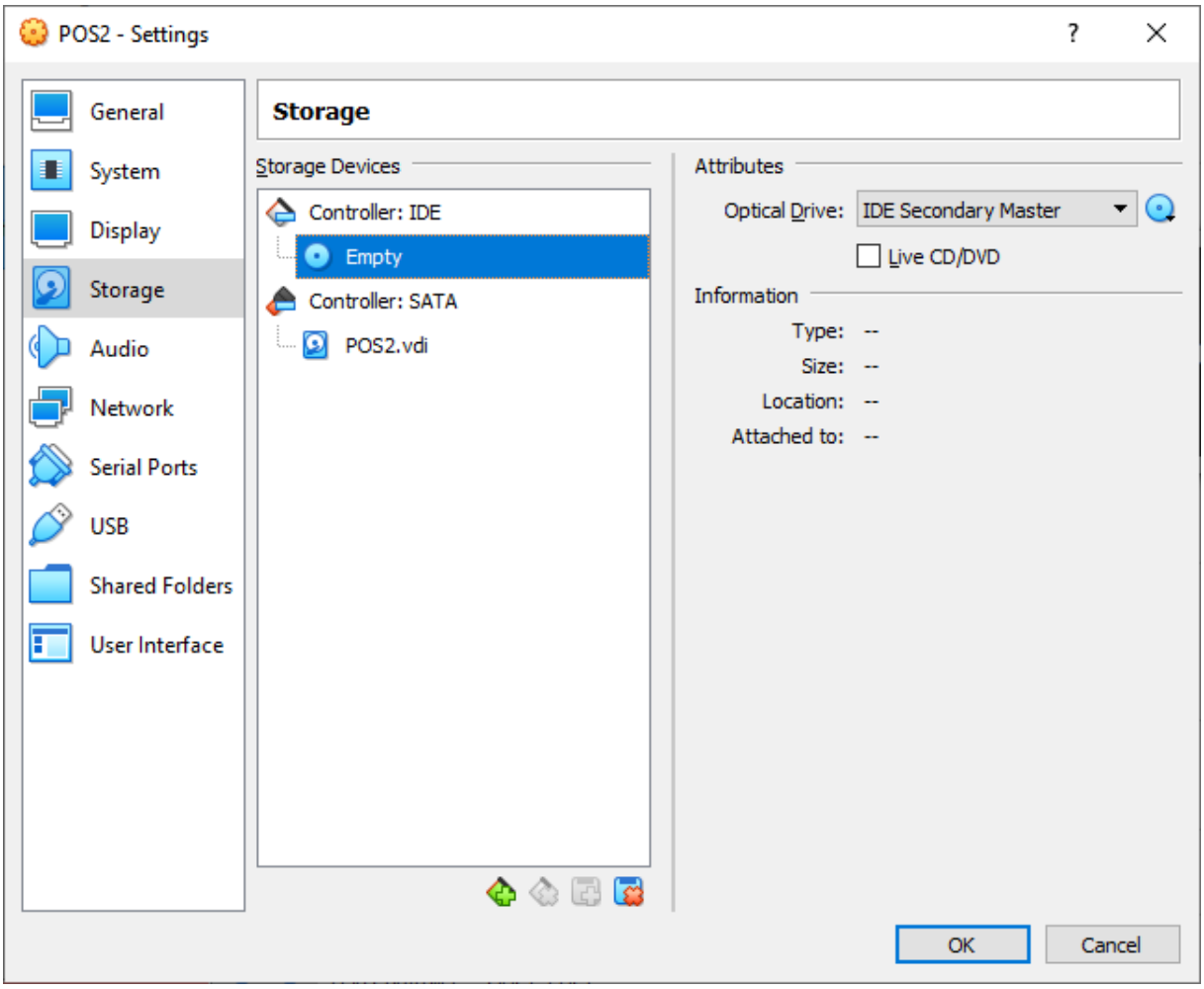


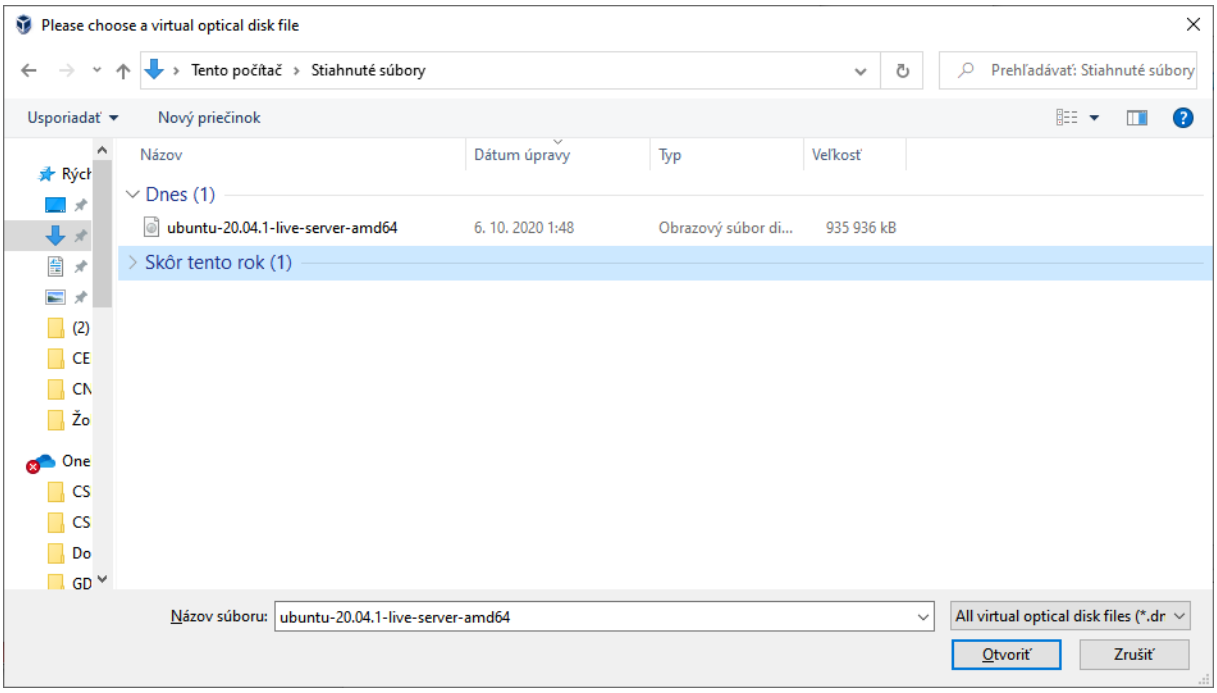
Odkaz: https://releases.ubuntu.com/20.04/ubuntu-20.04.1-live-server-amd64.iso

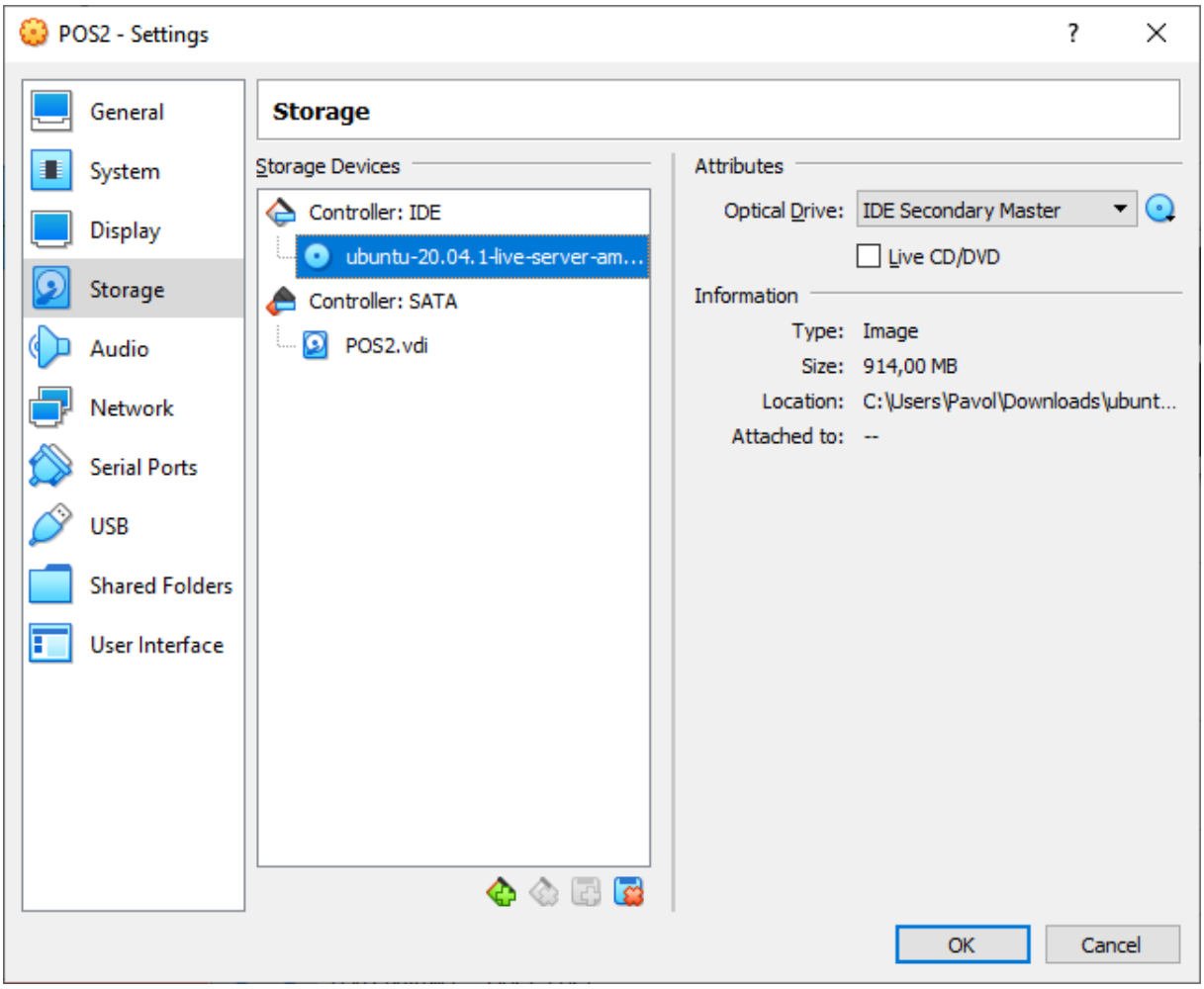
11) Nastavenie virtuálneho stroja



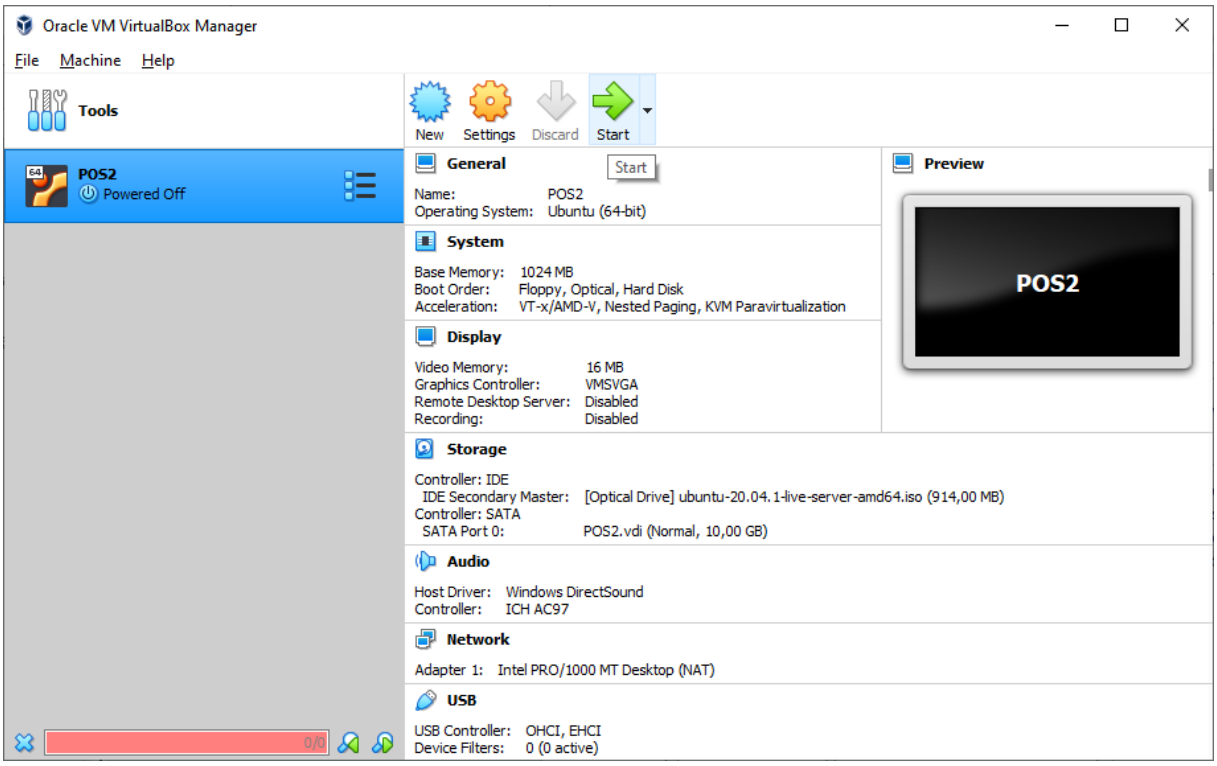
12) Nahranie obrazu inštalačného súboru (časť STORAGE, Choose a disk file ...)


POS2 - Settings
General
System
Display
Storage
Audio
Network
Serial Ports
USB
Shared Folders
User Interface
Storage
Storage Devices
Controller: IDE
Empty
Controller: SATA
POS2.vdi
Attributes
Optical Drive:
IDE Secondary Master
Live CD/DVD
Information
Type: --
Size: --
Location: --
Attached to: --
OK
Cancel

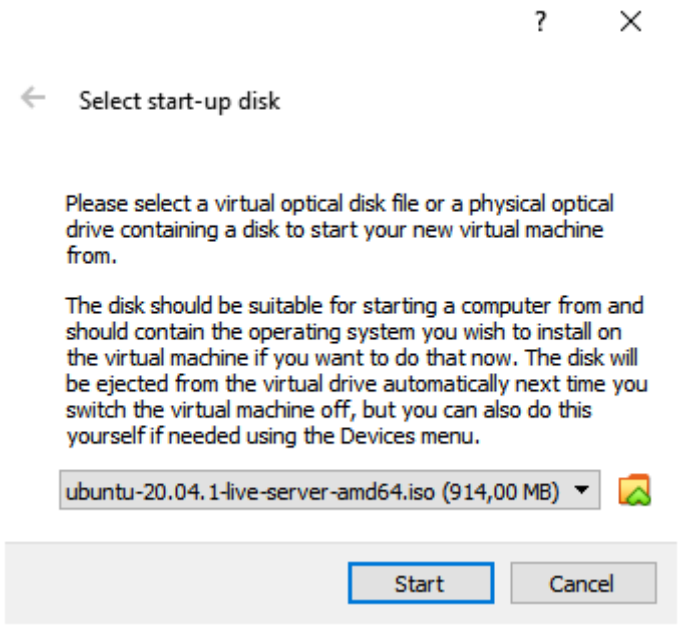

Please choose a virtual optical disk file
Tento počítač › Stiahnuté súbory
Prehľadávať: Stiahnuté súbory
Usporiadať
Nový priečinok
Názov
Dátum úpravy
Typ
Veľkosť
Dnes (1)
ubuntu-20.04.1-live-server-amd64
6. 10. 2020 1:48
Obrazový súbor di...
935 936 kB
Skôr tento rok (1)
Názov súboru:
ubuntu-20.04.1-live-server-amd64
All virtual optical disk files (*.dr
Otvoriť
Zrušiť



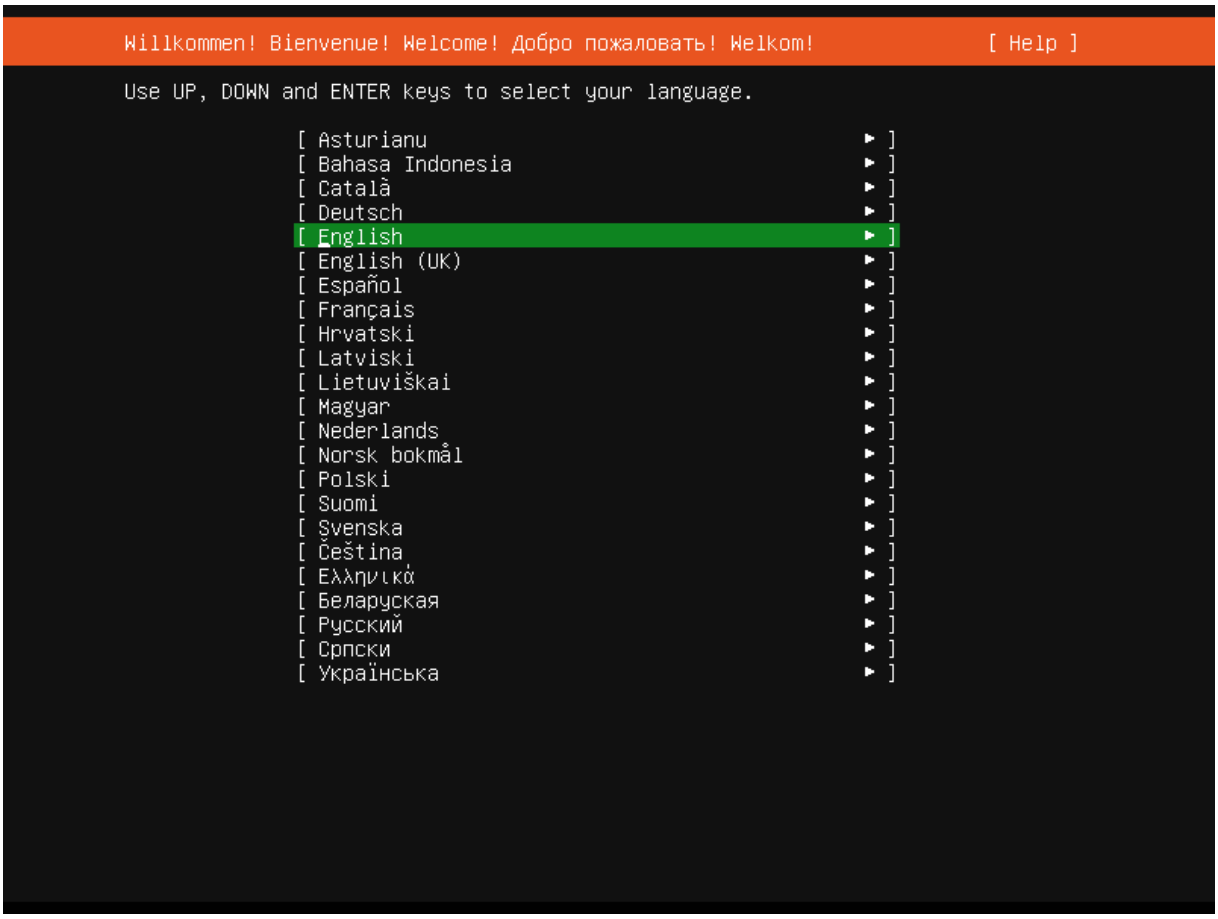
13) Spustiť virtuálny stroj (START)

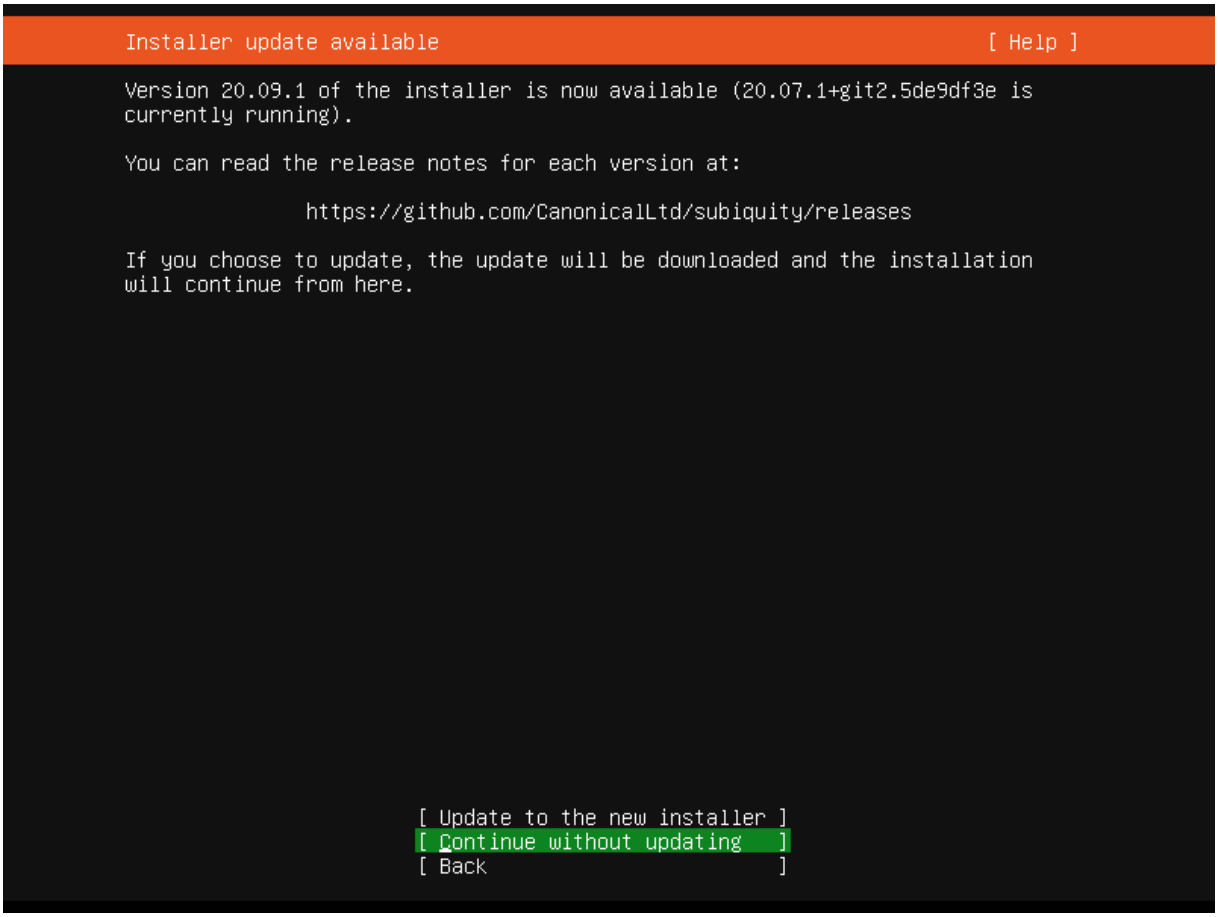


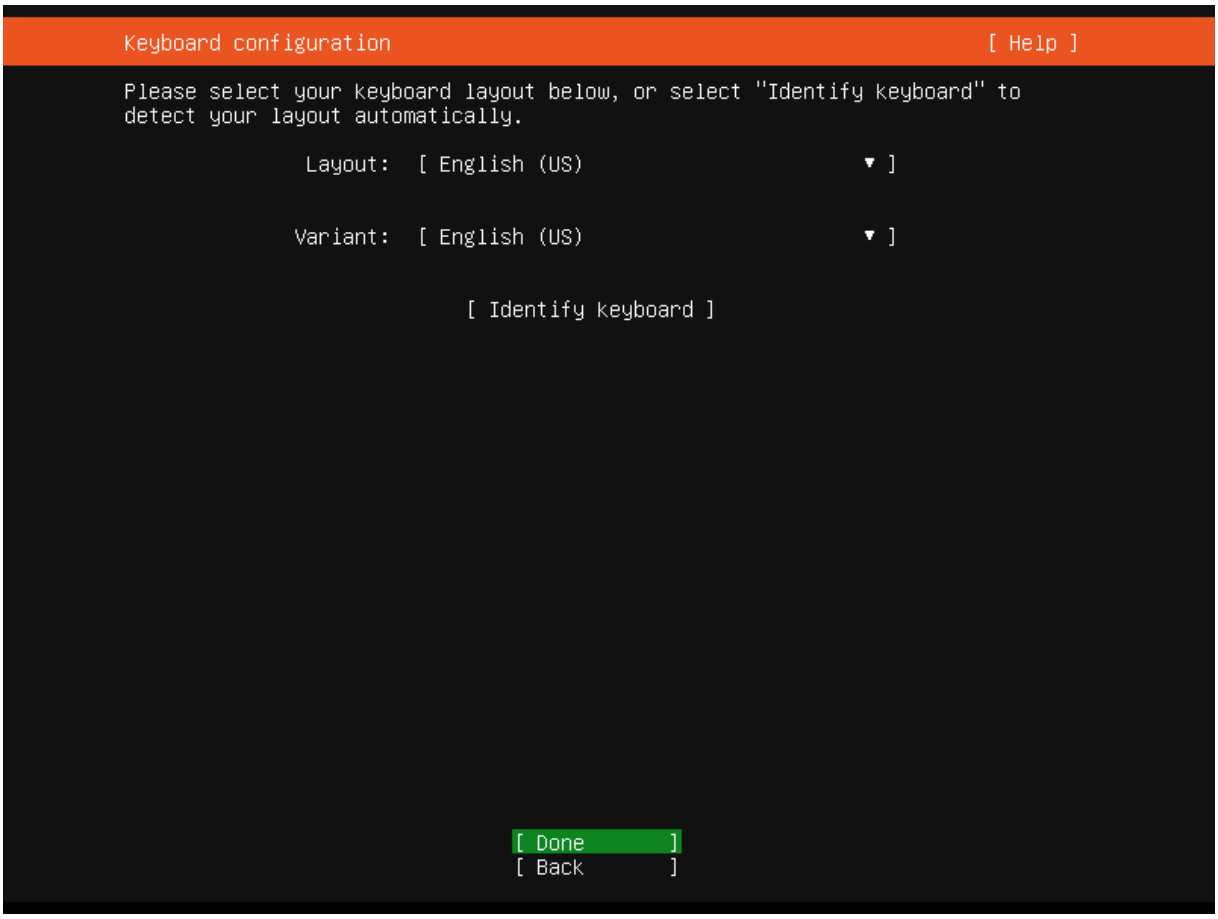
14) Výber obrazu disku (ubuntu-20.04.1-live-server-amd64.iso) a stlačiť Start

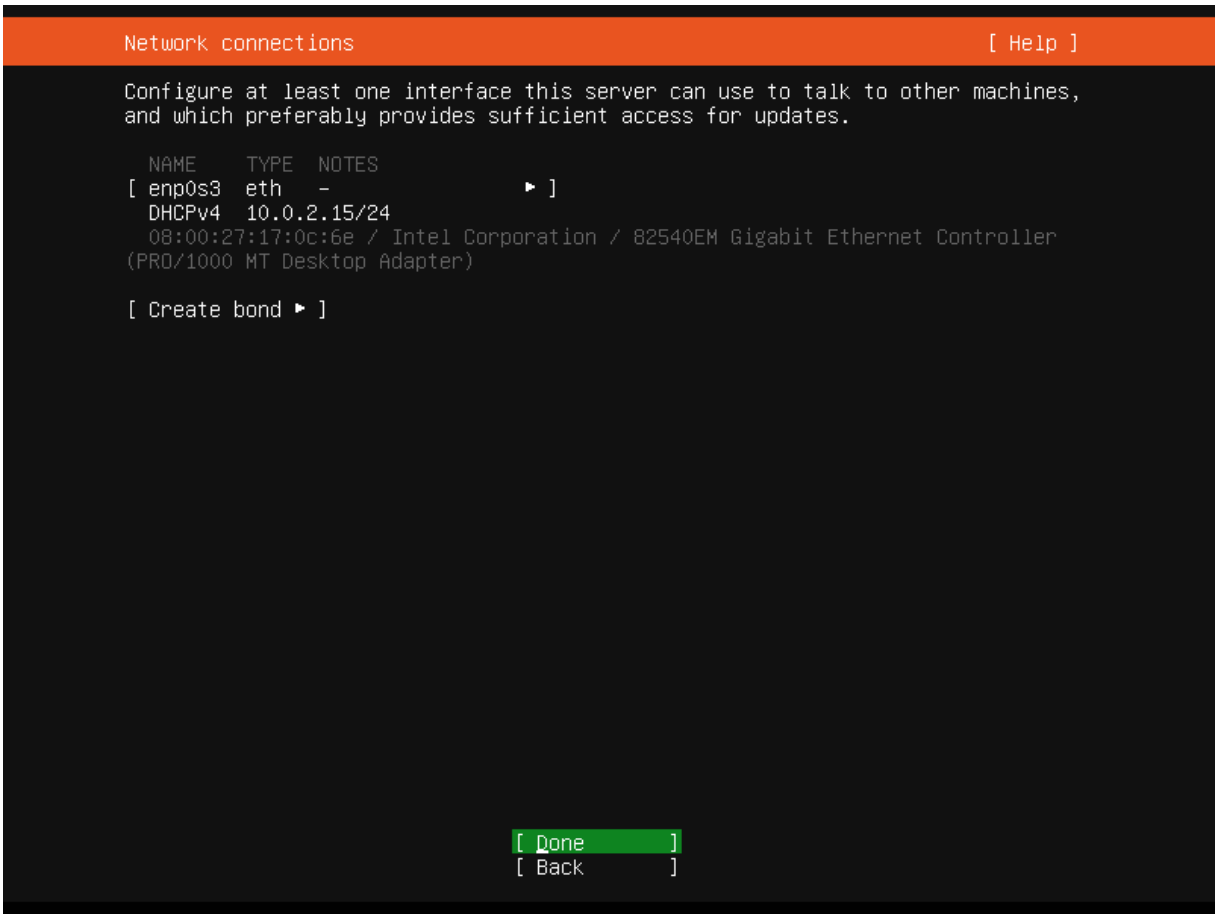


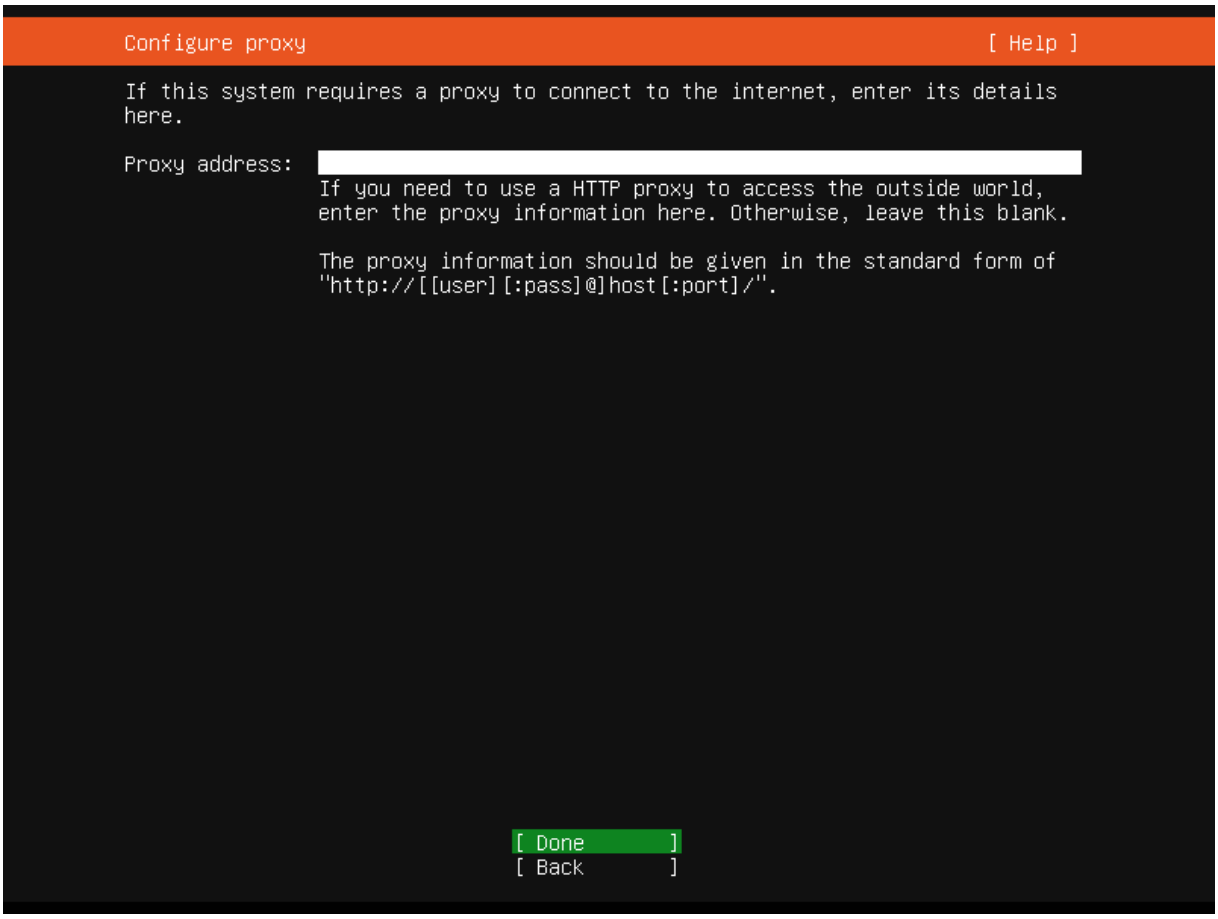
15) Ponechať anglický jazyk

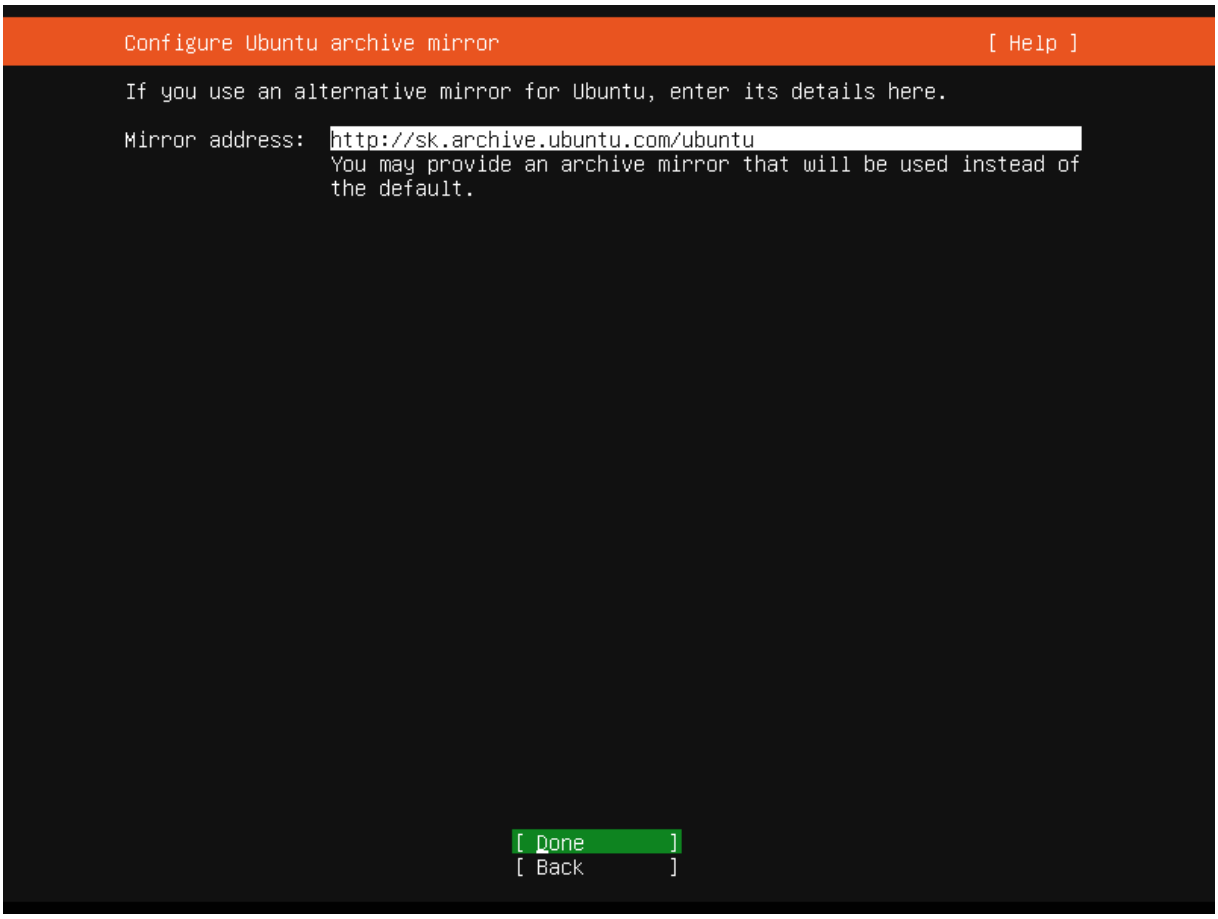

Willkommen! Bienvenue! Welcome! Добро пожаловать! Welkom!
[Help]
Use UP, DOWN and ENTER keys to select your language.
[Asturianu ▸]
[Bahasa Indonesia ▸]
[Català ▸]
[Deutsch ▸]
[English ▸]
[English (UK) ▸]
[Español ▸]
[Français ▸]
[Hrvatski ▸]
[Latviski ▸]
[Lietuviškai ▸]
[Magyar ▸]
[Nederlands ▸]
[Norsk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

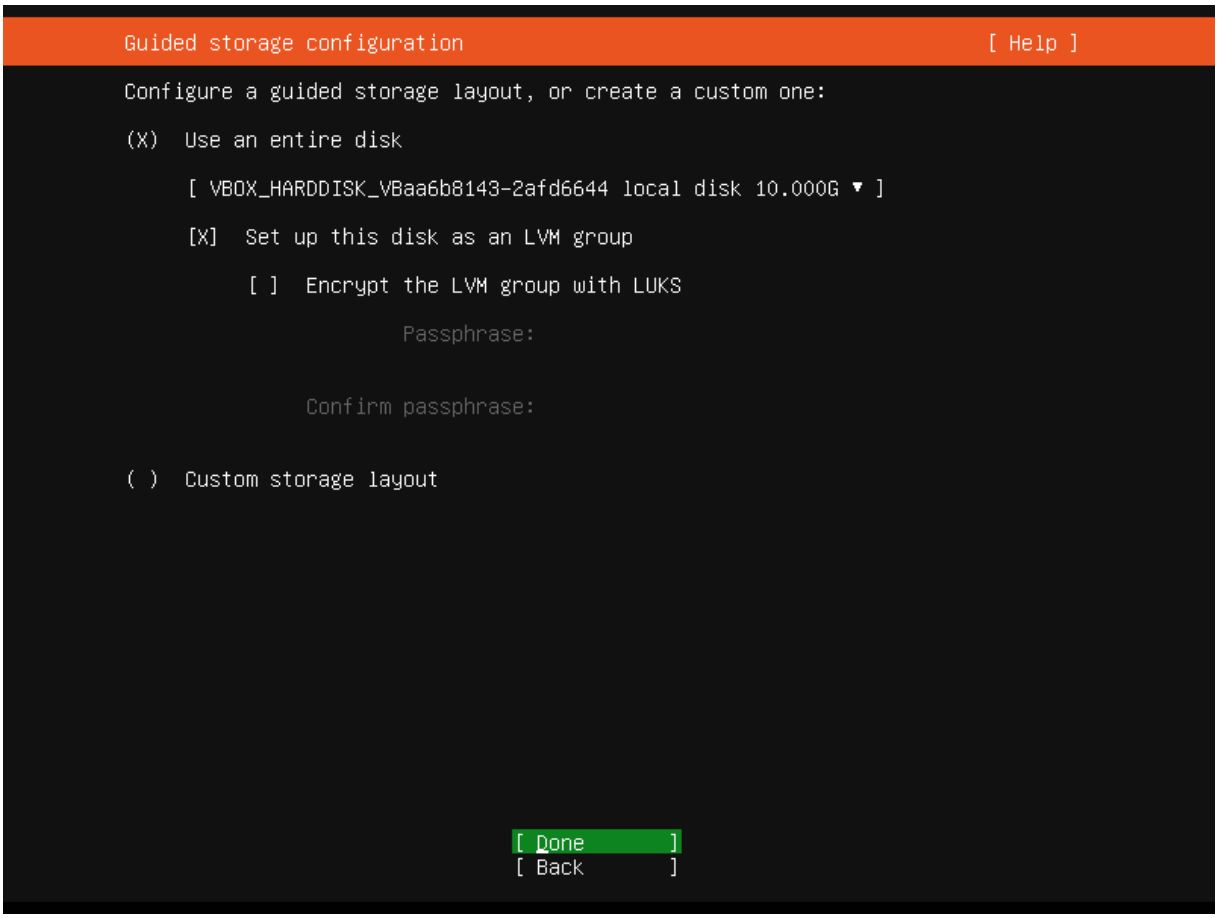

Installer update available
[Help]
Version 20.09.1 of the installer is now available (20.07.1+git2.5de9df3e is currently running).
You can read the release notes for each version at:
https://github.com/CanonicalLtd/subiquity/releases
If you choose to update, the update will be downloaded and the installation will continue from here.
[Update to the new installer]
[Continue without updating]
[Back]

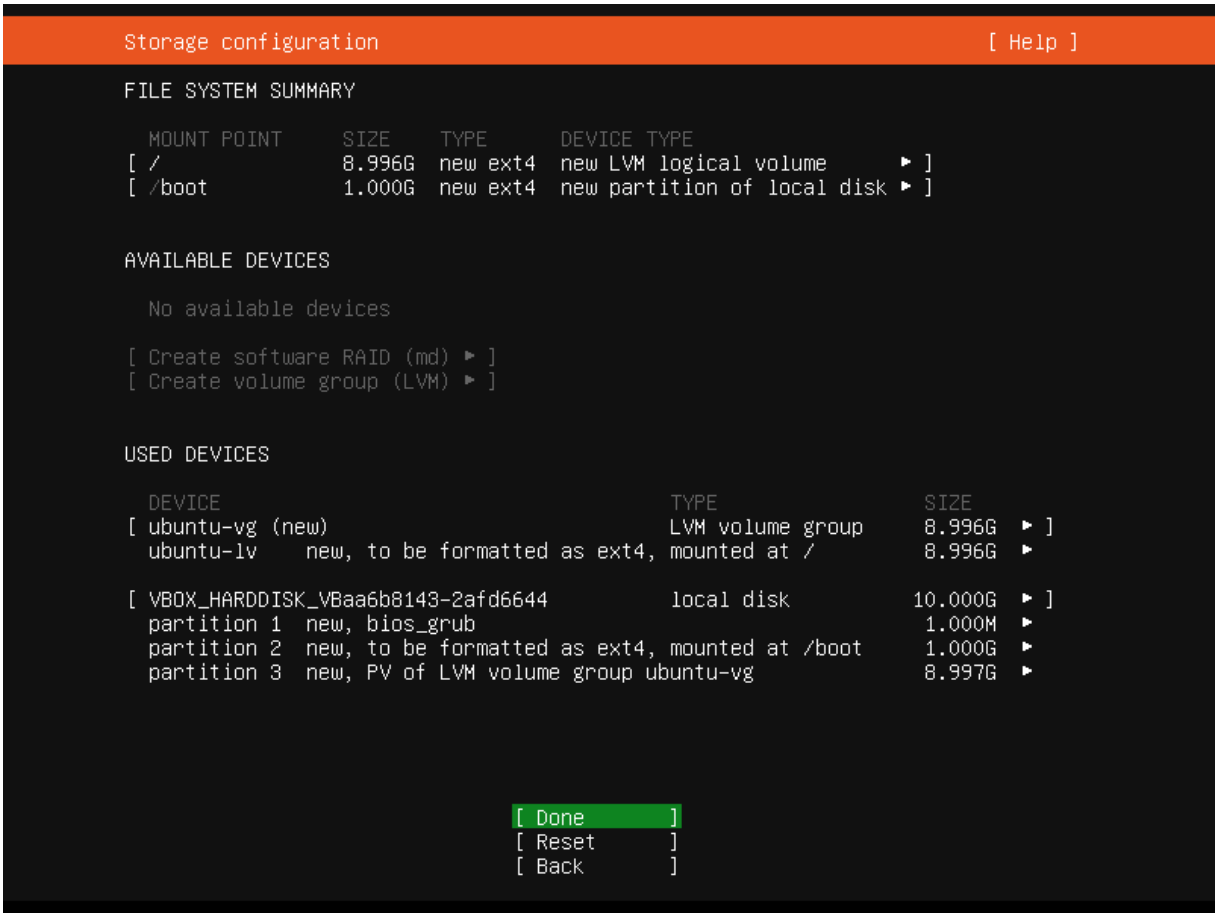

Keyboard configuration
[Help]
Please select your keyboard layout below, or select "Identify keyboard" to
detect your layout automatically.
Layout: [English (US) ▾]
Variant: [English (US) ▾]
[Identify keyboard]
[Done]
[Back]

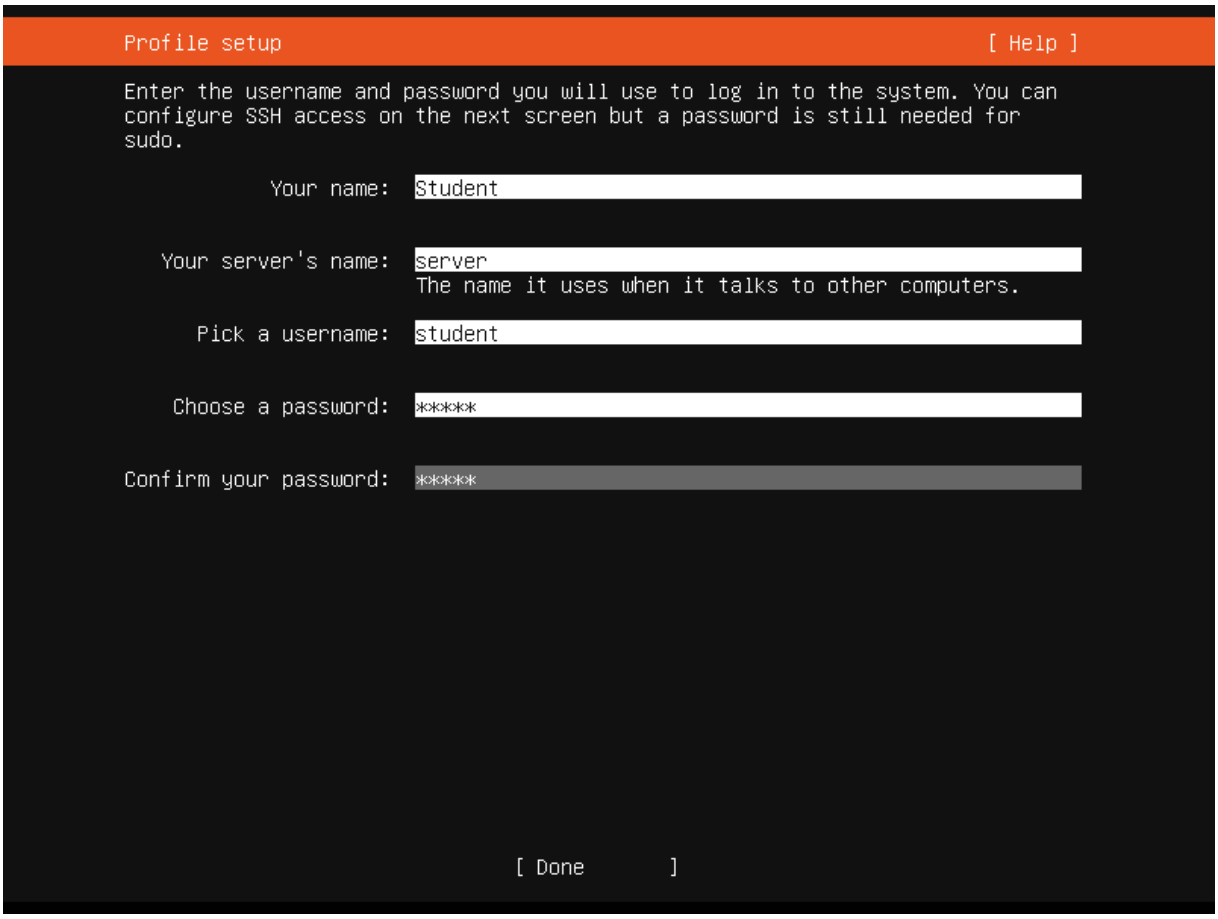

Network connections
[Help]
Configure at least one interface this server can use to talk to other machines,
and which preferably provides sufficient access for updates.
NAME TYPE NOTES
[enp0s3 eth - ▸]
DHCPv4 10.0.2.15/24
08:00:27:17:0c:6e / Intel Corporation / 82540EM Gigabit Ethernet Controller
(PRO/1000 MT Desktop Adapter)
[Create bond ▸]
[Done]
[Back]

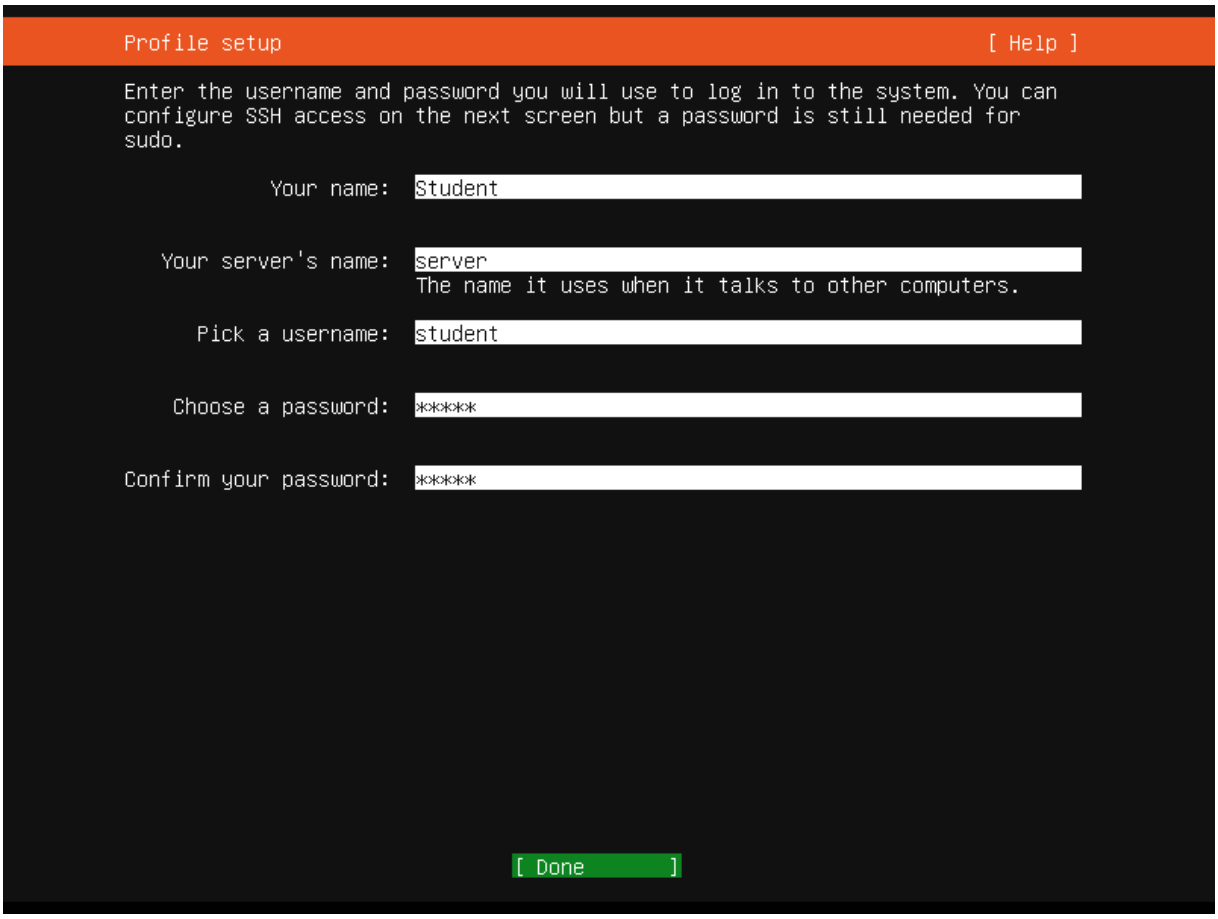

Configure proxy
[Help]
If this system requires a proxy to connect to the internet, enter its details here.
Proxy address:
If you need to use a HTTP proxy to access the outside world, enter the proxy information here. Otherwise, leave this blank.
The proxy information should be given in the standard form of "http://[[user][:pass]@]host[:port]/".
[Done]
[Back]

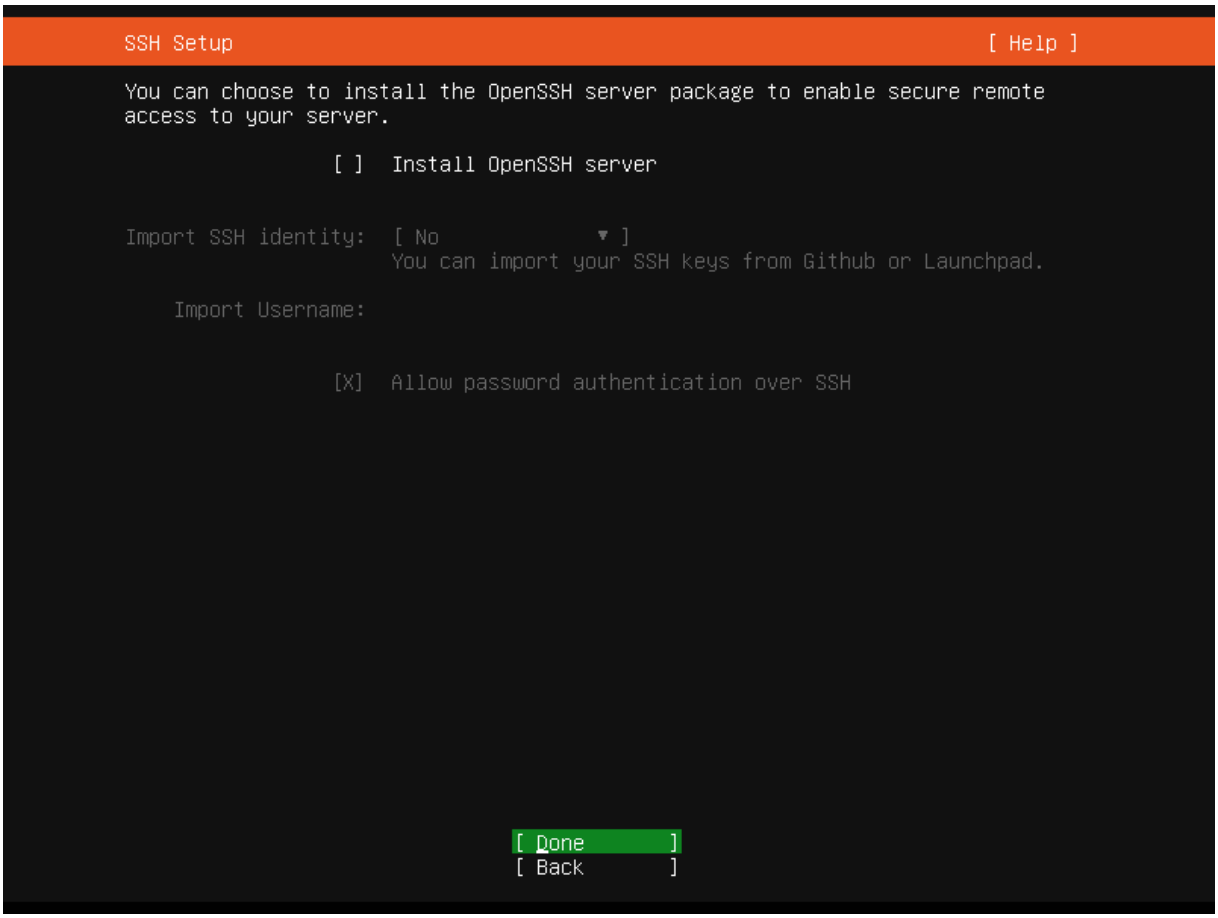

Configure Ubuntu archive mirror
[Help]
If you use an alternative mirror for Ubuntu, enter its details here.
Mirror address:
http://sk.archive.ubuntu.com/ubuntu
You may provide an archive mirror that will be used instead of the default.
[Done]
[Back]

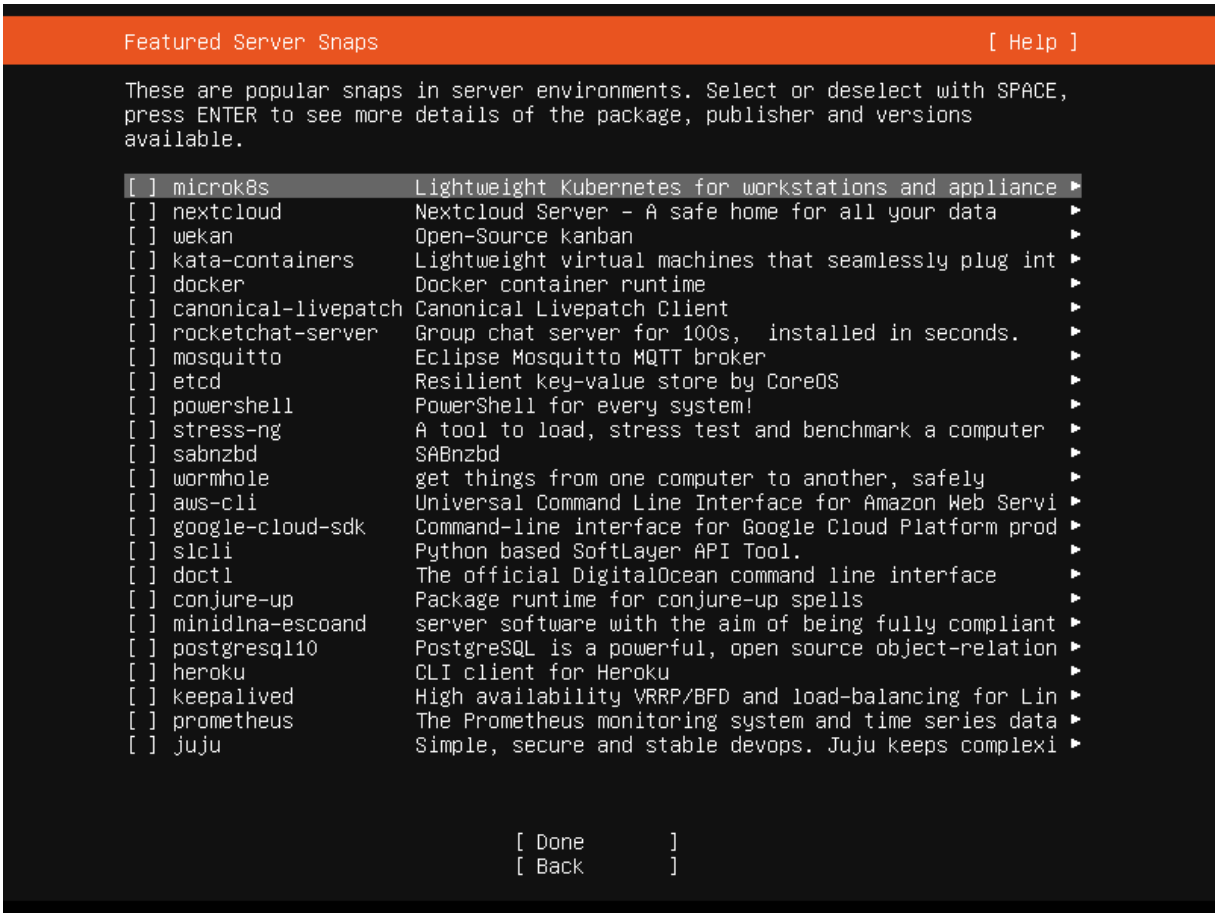

Guided storage configuration
[Help]
Configure a guided storage layout, or create a custom one:
(X) Use an entire disk
[VBOX_HARDDISK_VBaa6b8143-2afd6644 local disk 10.000G ▾]
[X] Set up this disk as an LVM group
[ ] Encrypt the LVM group with LUKS
Passphrase:
Confirm passphrase:
( ) Custom storage layout
[Done]
[Back]

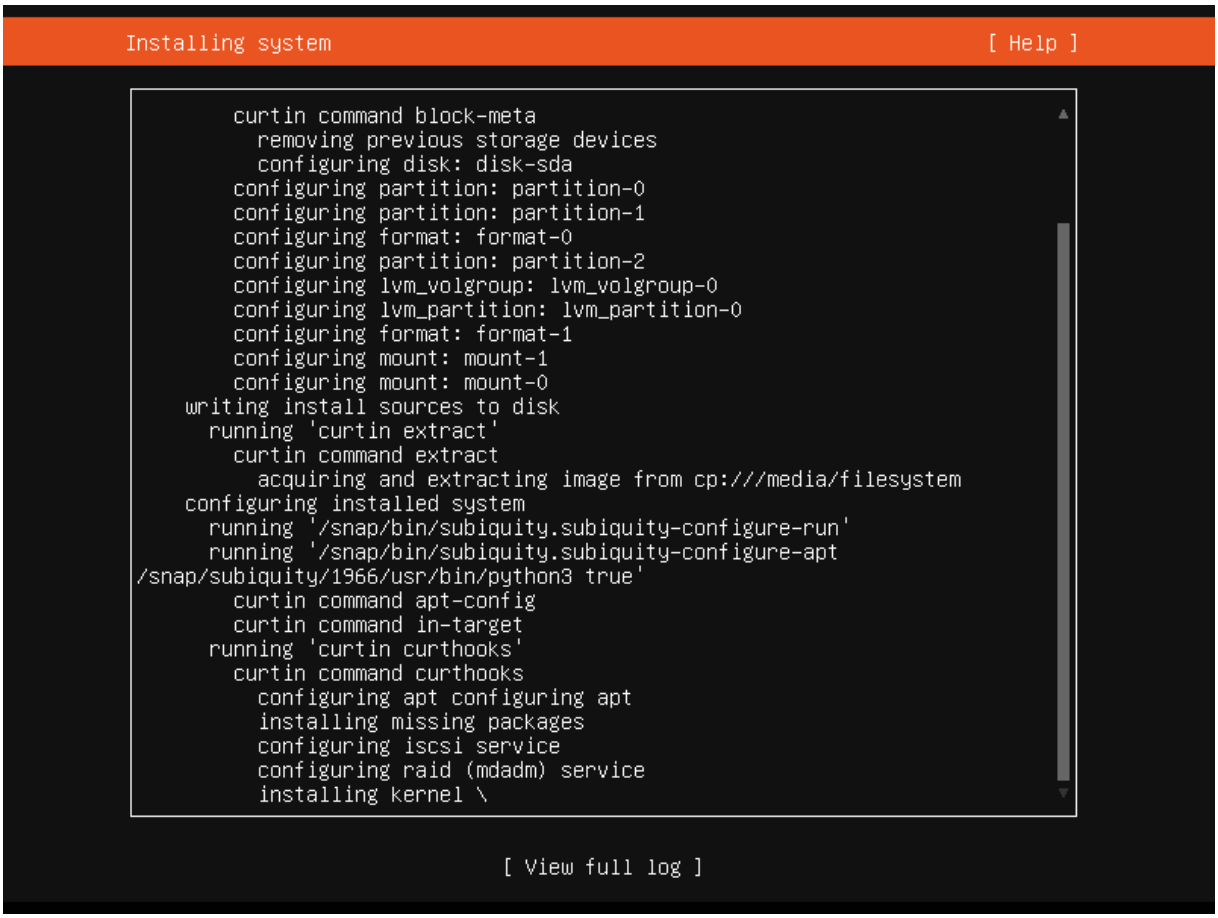

Storage configuration
[Help]
FILE SYSTEM SUMMARY
MOUNT POINT SIZE TYPE DEVICE TYPE
[/ 8.996G new ext4 new LVM logical volume ▸]
[/boot 1.000G new ext4 new partition of local disk ▸]
AVAILABLE DEVICES
No available devices
[Create software RAID (md) ▸]
[Create volume group (LVM) ▸]
USED DEVICES
DEVICE TYPE SIZE
[ubuntu-vg (new) LVM volume group 8.996G ▸]
ubuntu-lv new, to be formatted as ext4, mounted at / 8.996G ▸
[VBOX_HARDDISK_VBaa6b8143-2afd6644 local disk 10.000G ▸]
partition 1 new, bios_grub 1.000M ▸
partition 2 new, to be formatted as ext4, mounted at /boot 1.000G ▸
partition 3 new, PV of LVM volume group ubuntu-vg 8.997G ▸
[Done]
[Reset]
[Back]

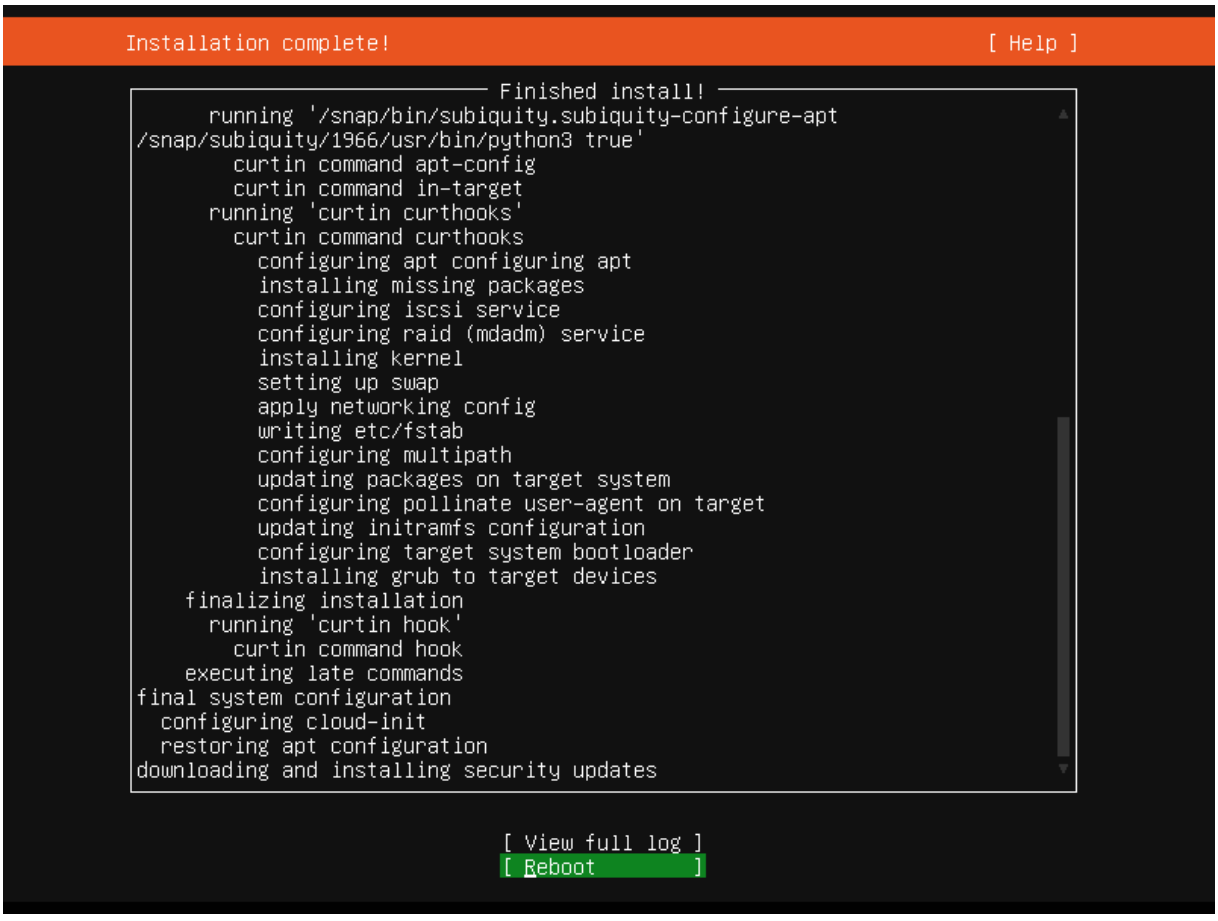

Profile setup
[Help]
Enter the username and password you will use to log in to the system. You can configure SSH access on the next screen but a password is still needed for sudo.
Your name: Student
Your server's name: server
The name it uses when it talks to other computers.
Pick a username: student
Choose a password: *****
Confirm your password: *****
[Done]


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: Student
Your server's name: server
The name it uses when it talks to other computers.
Pick a username: student
Choose a password: *****
Confirm your password: *****
[Done]


SSH Setup
[Help]
You can choose to install the OpenSSH server package to enable secure remote access to your server.
[ ] 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]


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 Lightweight Kubernetes for workstations and appliance ▸
[ ] nextcloud Nextcloud Server - A safe home for all your data ▸
[ ] wekan Open-Source kanban ▸
[ ] kata-containers Lightweight virtual machines that seamlessly plug int ▸
[ ] docker Docker container runtime ▸
[ ] canonical-livepatch Canonical Livepatch Client ▸
[ ] rocketchat-server Group chat server for 100s, installed in seconds. ▸
[ ] mosquitto Eclipse Mosquitto MQTT broker ▸
[ ] etcd Resilient key-value store by CoreOS ▸
[ ] powershell PowerShell for every system! ▸
[ ] stress-ng A tool to load, stress test and benchmark 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 Command-line interface for Google Cloud Platform prod ▸
[ ] slcli Python based SoftLayer API Tool. ▸
[ ] doctl The official DigitalOcean command line interface ▸
[ ] conjure-up Package runtime for conjure-up spells ▸
[ ] minidlna-escoand server software with the aim of being fully compliant ▸
[ ] 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 Simple, secure and stable devops. Juju keeps complexi ▸
[Done]
[Back]

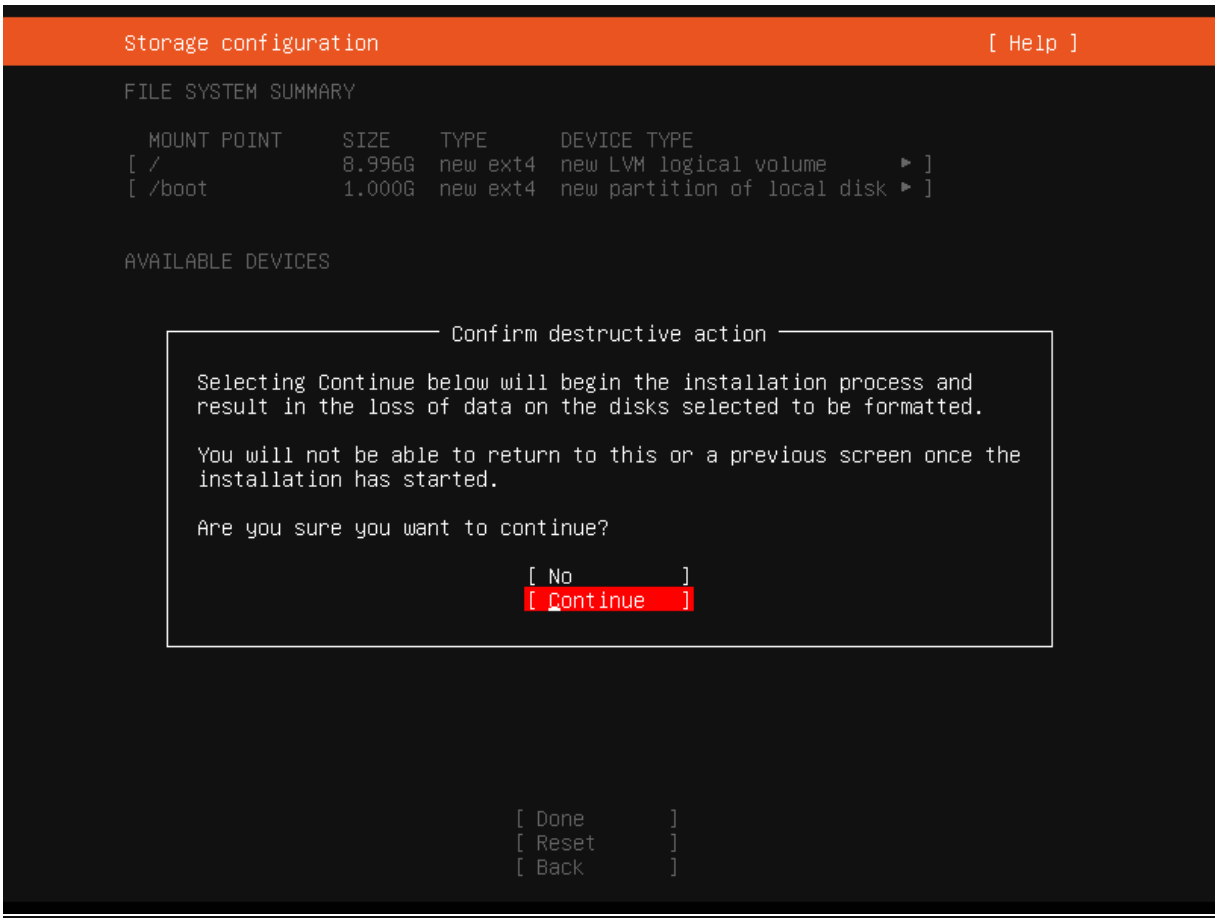

Installing system
[Help]
curtin command block-meta
removing previous storage devices
configuring disk: disk-sda
configuring partition: partition-0
configuring partition: partition-1
configuring format: format-0
configuring partition: partition-2
configuring lvm_volgroup: lvm_volgroup-0
configuring lvm_partition: lvm_partition-0
configuring format: format-1
configuring mount: mount-1
configuring mount: mount-0
writing install sources to disk
running 'curtin extract'
curtin command extract
acquiring and extracting image from cp:///media/filesystem
configuring installed system
running '/snap/bin/subiquity.subiquity-configure-run'
running '/snap/bin/subiquity.subiquity-configure-apt
/snap/subiquity/1966/usr/bin/python3 true'
curtin command apt-config
curtin command in-target
running 'curtin curthooks'
curtin command curthooks
configuring apt configuring apt
installing missing packages
configuring iscsi service
configuring raid (mdadm) service
installing kernel \
[View full log]

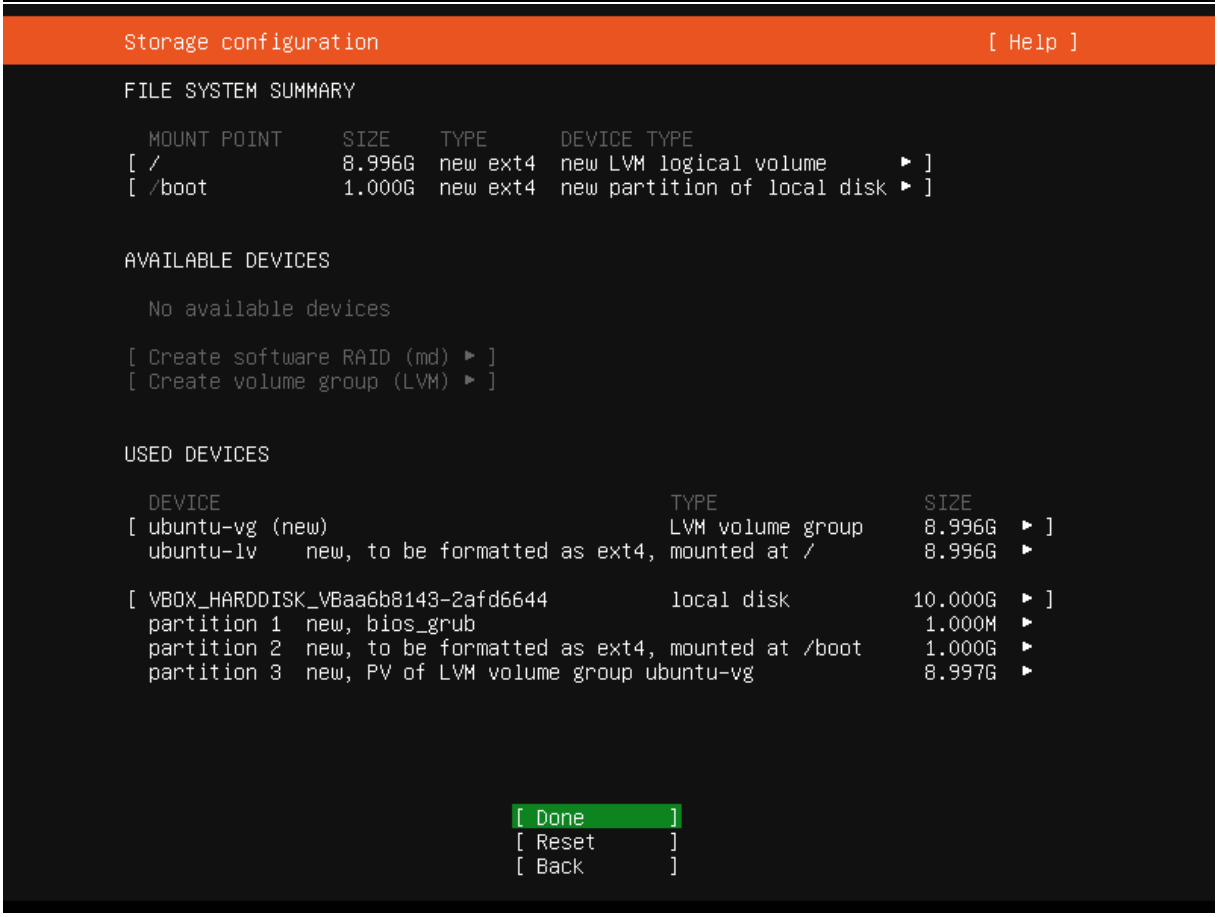

Installation complete!
[Help]
Finished install!
running '/snap/bin/subiquity.subiquity-configure-apt
/snap/subiquity/1966/usr/bin/python3 true'
curtin command apt-config
curtin command in-target
running 'curtin curthooks'
curtin command curthooks
configuring apt configuring apt
installing missing packages
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
restoring apt configuration
downloading and installing security updates
[View full log]
[Reboot]

```
[FAILED] Failed unmounting /cdrom.
Please remove the installation medium, then press ENTER:
[FAILED] Failed unmounting /cdrom.
[FAILED] Failed unmounting /cdrom.
[FAILED] Failed unmounting /cdrom.
[FAILED] Failed unmounting /cdrom.
[FAILED] Failed unmounting /cdrom.
[FAILED] Failed unmounting /cdrom.
[FAILED] Failed unmounting /cdrom.
[FAILED] Failed unmounting /cdrom.
[FAILED] Failed unmounting /cdrom.
[FAILED] Failed unmounting /cdrom.
[FAILED] Failed unmounting /cdrom.
[FAILED] Failed unmounting /cdrom.
[FAILED] Failed unmounting /cdrom.
[FAILED] Failed unmounting /cdrom.
[FAILED] Failed unmounting /cdrom.
[FAILED] Failed unmounting /cdrom.
[FAILED] Failed unmounting /cdrom.
_
```

```
onfig' at Tue, 06 Oct 2020 06:26:40 +0000. Up 28.00 seconds.
[  OK  ] Finished Apply the settings specified in cloud-config.
         Starting Execute cloud user/final scripts...
ci-info: no authorized SSH keys fingerprints found for user student.
<14>Oct  6 06:26:43 ec2:
<14>Oct  6 06:26:43 ec2: #############################################################
<14>Oct  6 06:26:43 ec2: -----BEGIN SSH HOST KEY FINGERPRINTS-----
<14>Oct  6 06:26:43 ec2: 1024 SHA256:37o79VnMlbF7dE1Jlt6vNELXHB1NFZ26KNXbohmNGqE root@server (DSA)
<14>Oct  6 06:26:43 ec2: 256 SHA256:gIhBpbXAfv9vpFJ3GpUwzqgsHiiGRZuwZHUKBqGzN24 root@server (ECDSA)
<14>Oct  6 06:26:43 ec2: 256 SHA256:B1DY3suPguTbk8ZDyrKszOenonJSNEVwYoKboqJyJYM root@server (ED25519
)
<14>Oct  6 06:26:43 ec2: 3072 SHA256:cZsvryOJirAZOXhPbxlsiVdaFhthVPaIY4kPamNYT1s root@server (RSA)
<14>Oct  6 06:26:43 ec2: -----END SSH HOST KEY FINGERPRINTS-----
<14>Oct  6 06:26:43 ec2: #############################################################
-----BEGIN SSH HOST KEY KEYS-----
ecdsa-sha2-nistp256 AAAAE2VjZHNhLXNoYTItbmlzdHAyNTYAAAAIbmlzdHAyNTYAAABBBC42jm8qA5UqjHAObEed/ETLGK1v
OnTRLSkAqQIZwEZwd+1fECV6+KvavFwKXNBupAvdQ1lhEwyZCamEv2OoDfg= root@server
ssh-ed25519 AAAAC3NzaC1lZDI1NTE5AAAAIPQjwk2+Q2HlSNxO8Ax1StbjtBZ5E+hk3Lwwlkf4YmWX root@server
ssh-rsa AAAAB3NzaC1yc2EAAAADAQABAAABgQDJlYPyv9539DIjfVXsXg3Jv5/hUqvoao6HWVYhu2ydoZgevmJJqDHpw/dmOD8Y
cpqJuX5ZgI3NbOY488jEeh2OsC2yNmdCBzBiLvzsU+HxGWHapwZcUclmfy8xoam3AdXYpVm27kLEutVaHH2nxTM5Hxr4JCfc1Q7P
XD/hrzoYbGwL2/VCJtIIQIUY4wRicAmczjRG35628+TzChB1aVzZhO+8cKVSF2cauGry9pG3UiwJGjqHPLp5kLBAcN2L1dXYmitT
GMM352Mqb8X9safHhJkea6jaxYmeT6kOo4nYgVdVBA2u/yBl36OUfm1t1OvolXdLbhRqpoYZHy7/lJ/xhCdhJ6Stf9AIIbStPrxa
kugw9UOcjQM1NGymP+FZ/fLBYV8ANyKQ/Xa+j9nS9d8SRYt1JEkgVR4SsiZ1zahQPjDvqPMcgAF6kYMMAV9mk1G2poUeV5RqIfUm
78FDx6LWNgZ8hRmUXHPXyEFnmU1ONvSc79kQE9Euz2e8rhA930c= root@server
-----END SSH HOST KEY KEYS-----
[   30.323194] cloud-init[1661]: Cloud-init v. 20.2-45-g5f7825e2-0ubuntu1~20.04.1 running 'modules:f
inal' at Tue, 06 Oct 2020 06:26:43 +0000. Up 30.20 seconds.
[   30.324514] cloud-init[1661]: ci-info: no authorized SSH keys fingerprints found for user student
.
[   30.326351] cloud-init[1661]: Cloud-init v. 20.2-45-g5f7825e2-0ubuntu1~20.04.1 finished at Tue, 0
6 Oct 2020 06:26:43 +0000. Datasource DataSourceNone.  Up 30.31 seconds
[   30.332175] cloud-init[1661]: 2020-10-06 06:26:43,160 - cc_final_message.py[WARNING]: Used fallba
ck datasource
[  OK  ] Finished Execute cloud user/final scripts.
[  OK  ] Reached target Cloud-init target.

server login:
```


Storage configuration
[Help]
FILE SYSTEM SUMMARY
MOUNT POINT SIZE TYPE DEVICE TYPE
[/ 8.996G new ext4 new LVM logical volume ▸]
[/boot 1.000G 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]


Storage configuration
[Help]
FILE SYSTEM SUMMARY
MOUNT POINT SIZE TYPE DEVICE TYPE
[/ 8.996G new ext4 new LVM logical volume ▸]
[/boot 1.000G 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 8.996G ▸]
ubuntu-lv new, to be formatted as ext4, mounted at / 8.996G ▸
[VBOX_HARDDISK_VBaa6b8143-2afd6644 local disk 10.000G ▸]
partition 1 new, bios_grub 1.000M ▸
partition 2 new, to be formatted as ext4, mounted at /boot 1.000G ▸
partition 3 new, PV of LVM volume group ubuntu-vg 8.997G ▸
[Done]
[Reset]
[Back]