PEMEROSESAN PARALEL

“Instalasi Web Server menggunakan Wordpress dan Apache2 dalam Ubuntu Server’

Dibuat Oleh :

Nama : RIZKI PUTRA RAMADHAN

NIM : 09011182126024

Kelas : SK 5B INDRALAYA

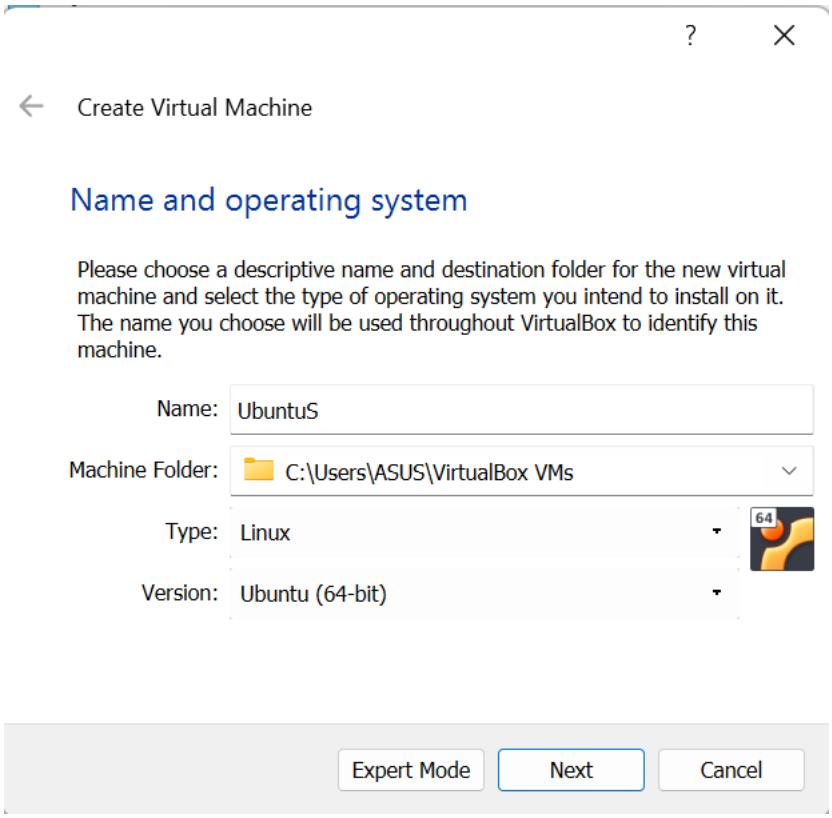
FAKULTAS ILMU KOMPUTER

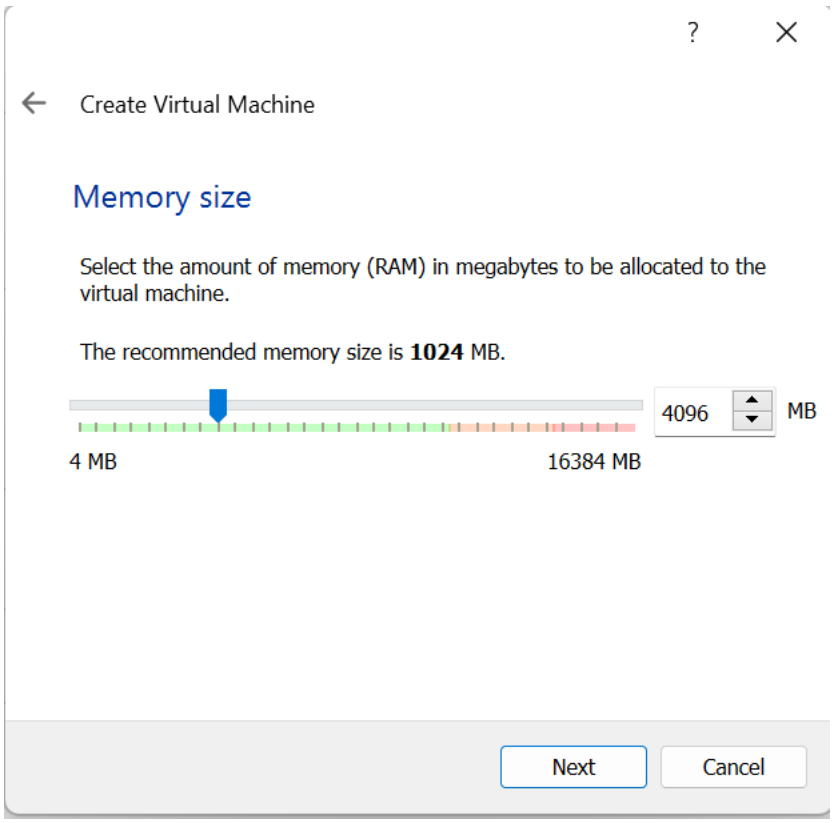
PROGRAM STUDI SISTEM KOMPUTER

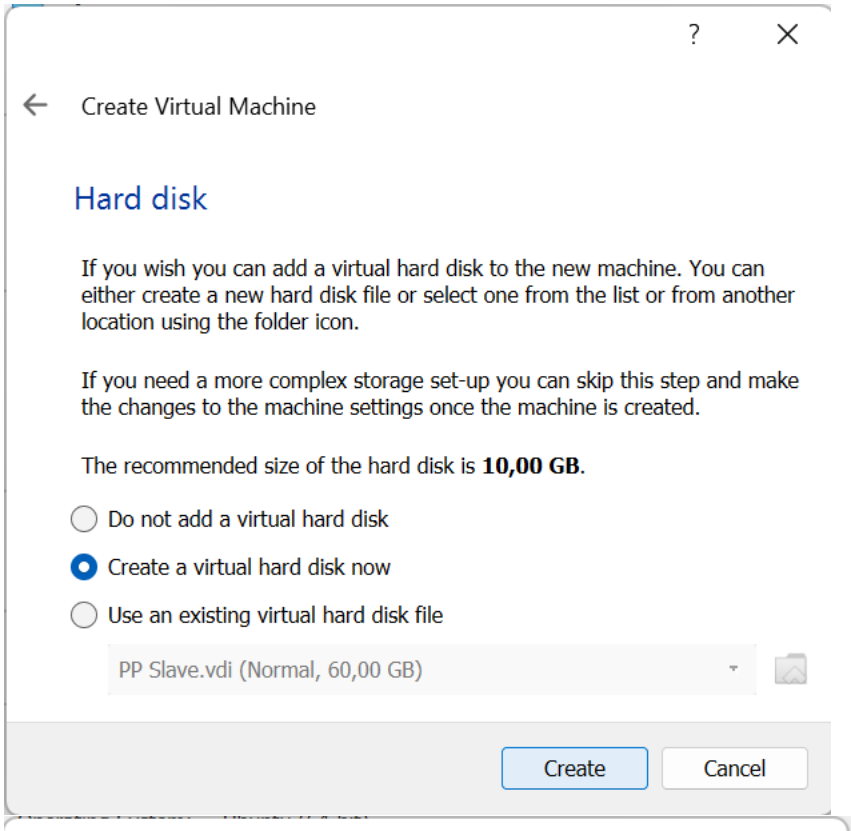
UNIVERSITAS SRIWIJAYA PALEMBANG

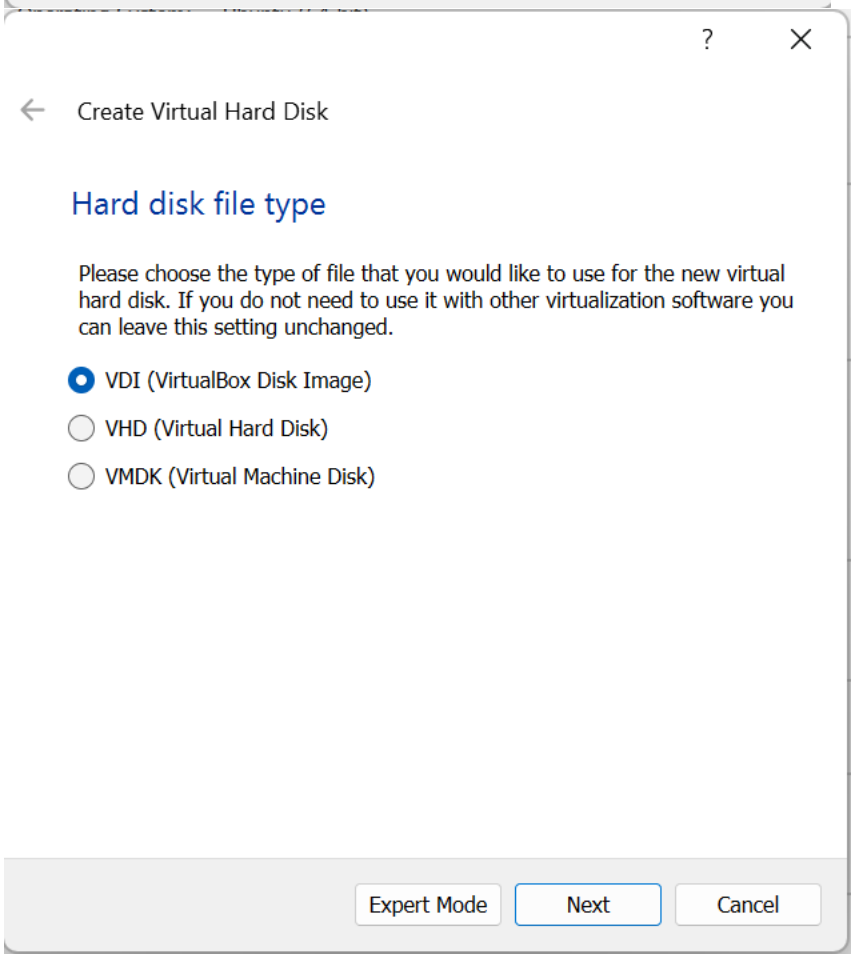
2023

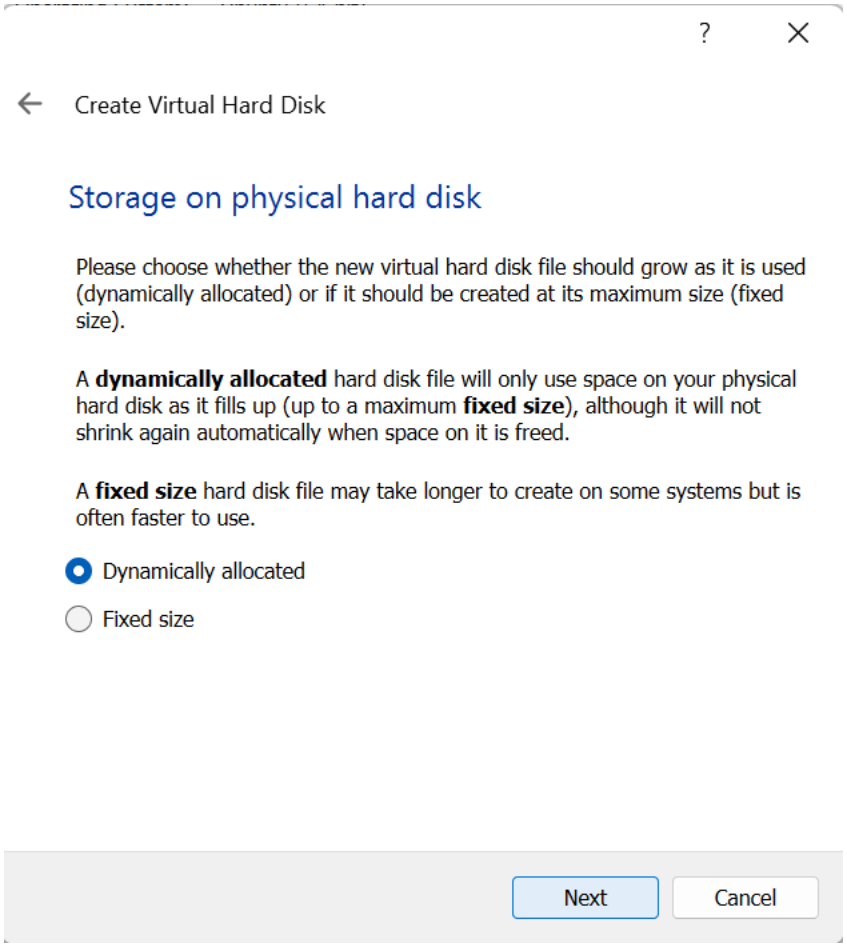
1. Instalasi Ubuntu Server pada Virtual Machine

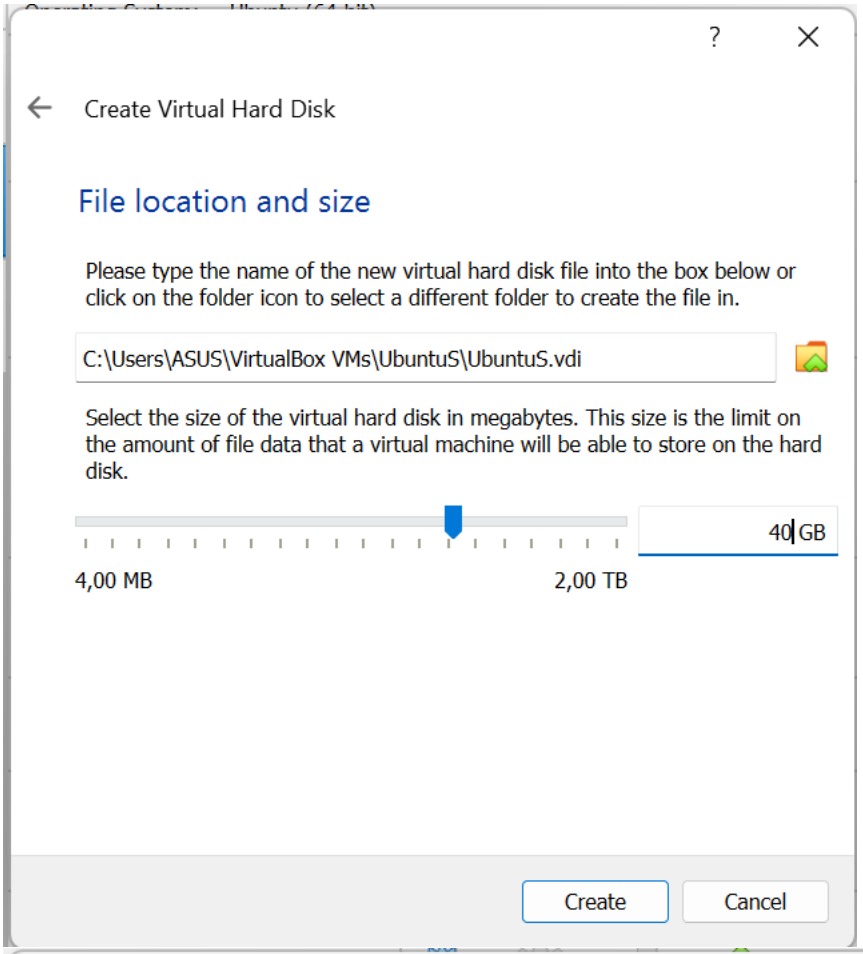


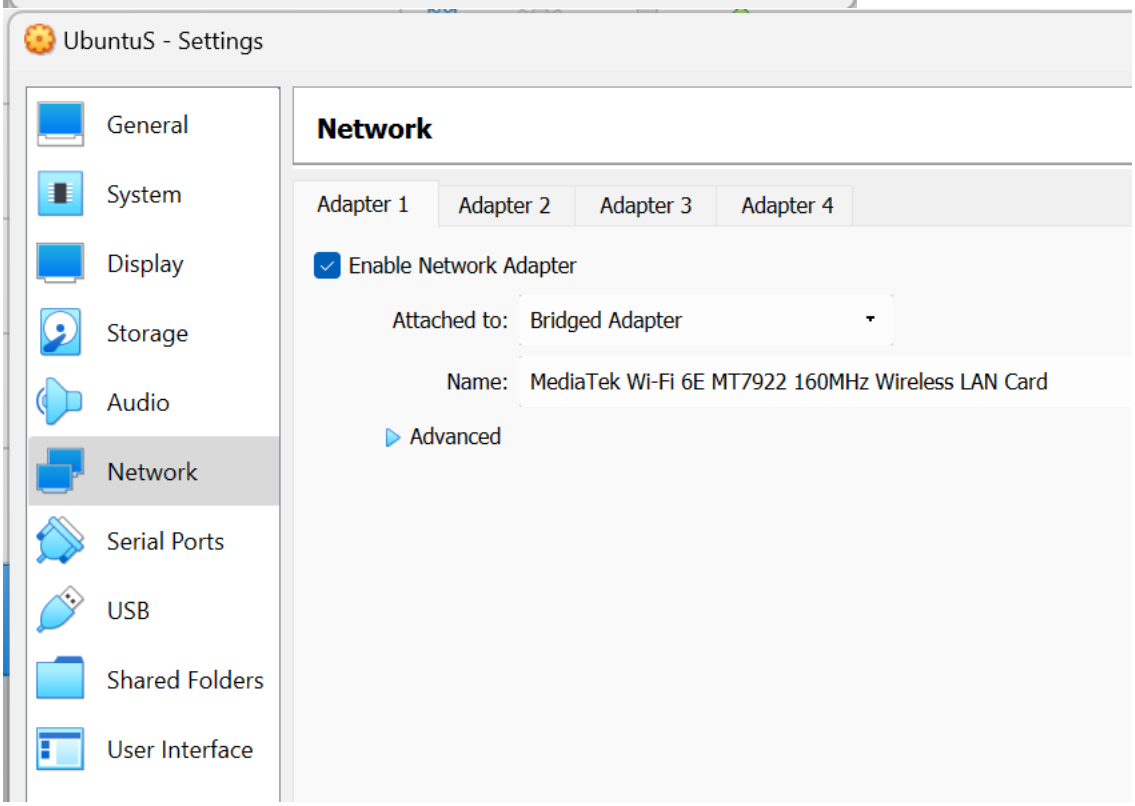


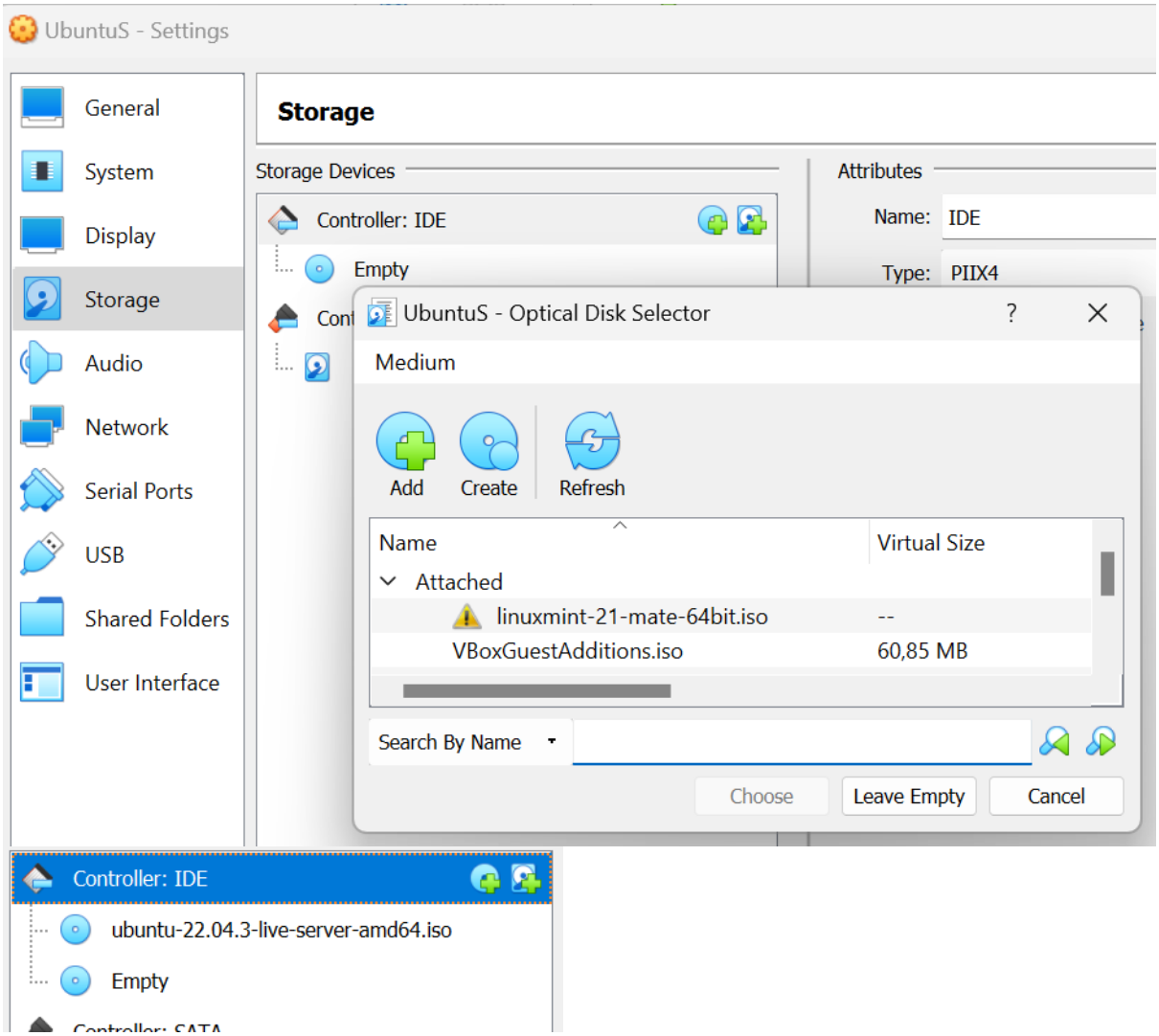

Create Virtual Machine
Hard disk
If you wish you can add a virtual hard disk to the new machine. You can either create a new hard disk file or select one from the list or from another location using the folder icon.
If you need a more complex storage set-up you can skip this step and make the changes to the machine settings once the machine is created.
The recommended size of the hard disk is 10,00 GB.
Do not add a virtual hard disk
Create a virtual hard disk now
Use an existing virtual hard disk file
PP Slave.vdi (Normal, 60,00 GB)
Create
Cancel


Create Virtual Hard Disk
Hard disk file type
Please choose the type of file that you would like to use for the new virtual hard disk. If you do not need to use it with other virtualization software you can leave this setting unchanged.
VDI (VirtualBox Disk Image)
VHD (Virtual Hard Disk)
VMDK (Virtual Machine Disk)
Expert Mode
Next
Cancel

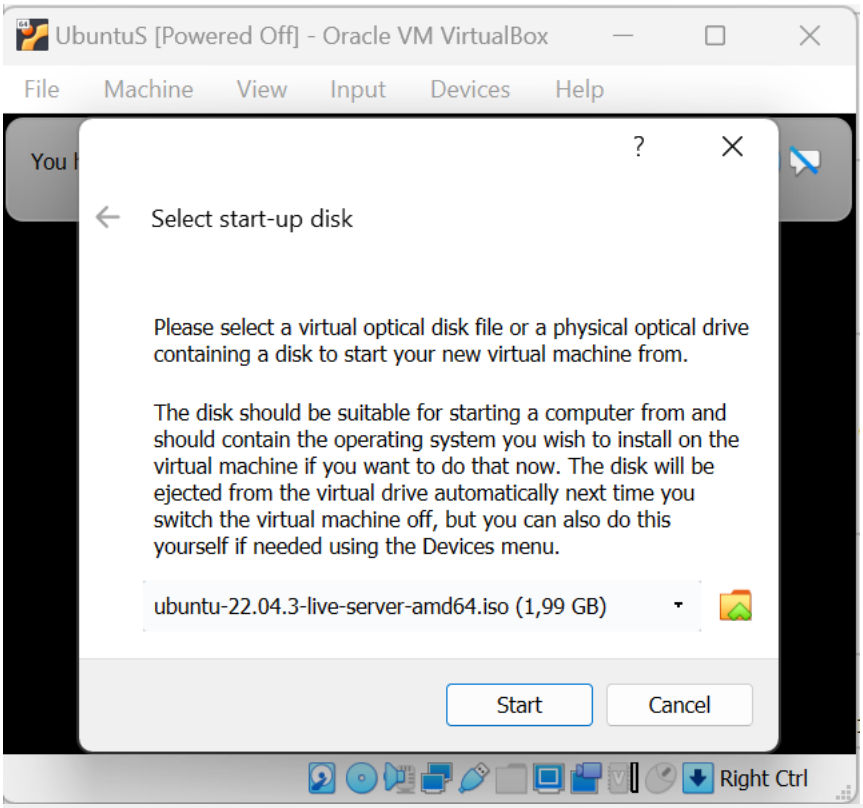

?
Create Virtual Hard Disk
Storage on physical hard disk
Please choose whether the new virtual hard disk file should grow as it is used (dynamically allocated) or if it should be created at its maximum size (fixed size).
A dynamically allocated hard disk file will only use space on your physical hard disk as it fills up (up to a maximum fixed size), although it will not shrink again automatically when space on it is freed.
A fixed size hard disk file may take longer to create on some systems but is often faster to use.
Dynamically allocated
Fixed size
Next
Cancel


Create Virtual Hard Disk
File location and size
Please type the name of the new virtual hard disk file into the box below or click on the folder icon to select a different folder to create the file in.
C:\Users\ASUS\VirtualBox VMs\UbuntuS\UbuntuS.vdi
Select the size of the virtual hard disk in megabytes. This size is the limit on the amount of file data that a virtual machine will be able to store on the hard disk.
40 GB
4,00 MB
2,00 TB
Create
Cancel

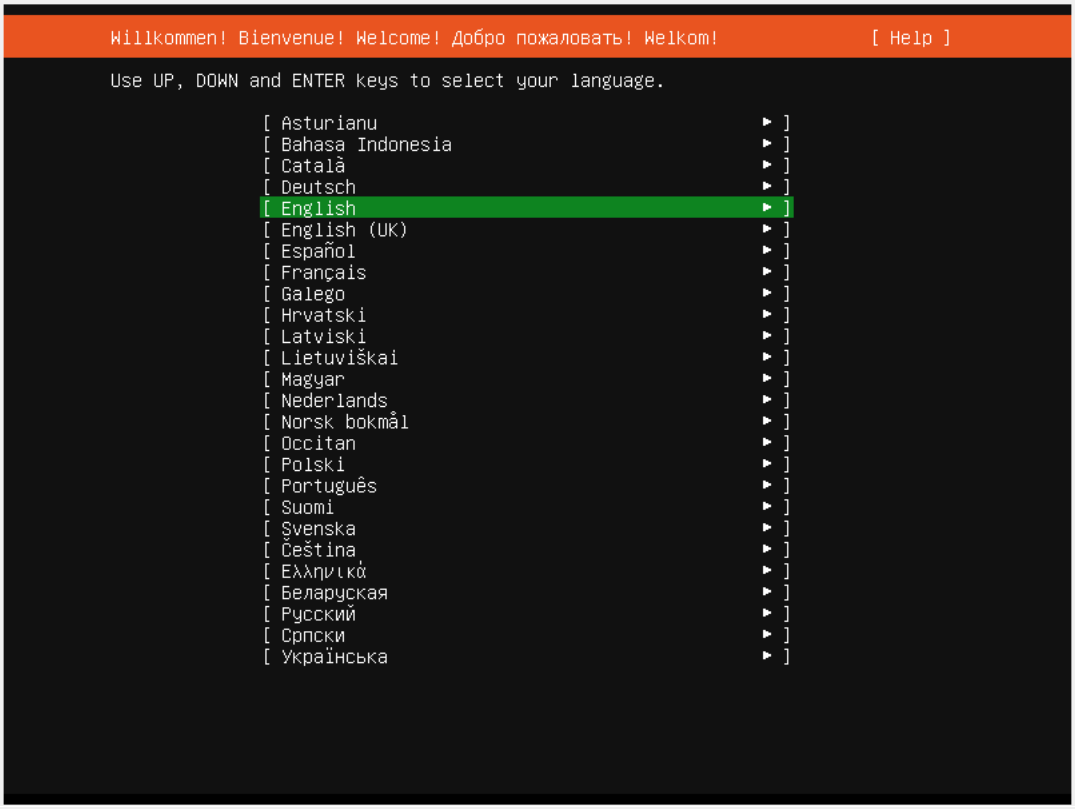

UbuntuS - Settings
General
System
Display
Storage
Audio
Network
Serial Ports
USB
Shared Folders
User Interface
Network
Adapter 1
Adapter 2
Adapter 3
Adapter 4
Enable Network Adapter
Attached to:
Bridged Adapter
Name:
MediaTek Wi-Fi 6E MT7922 160MHz Wireless LAN Card
Advanced

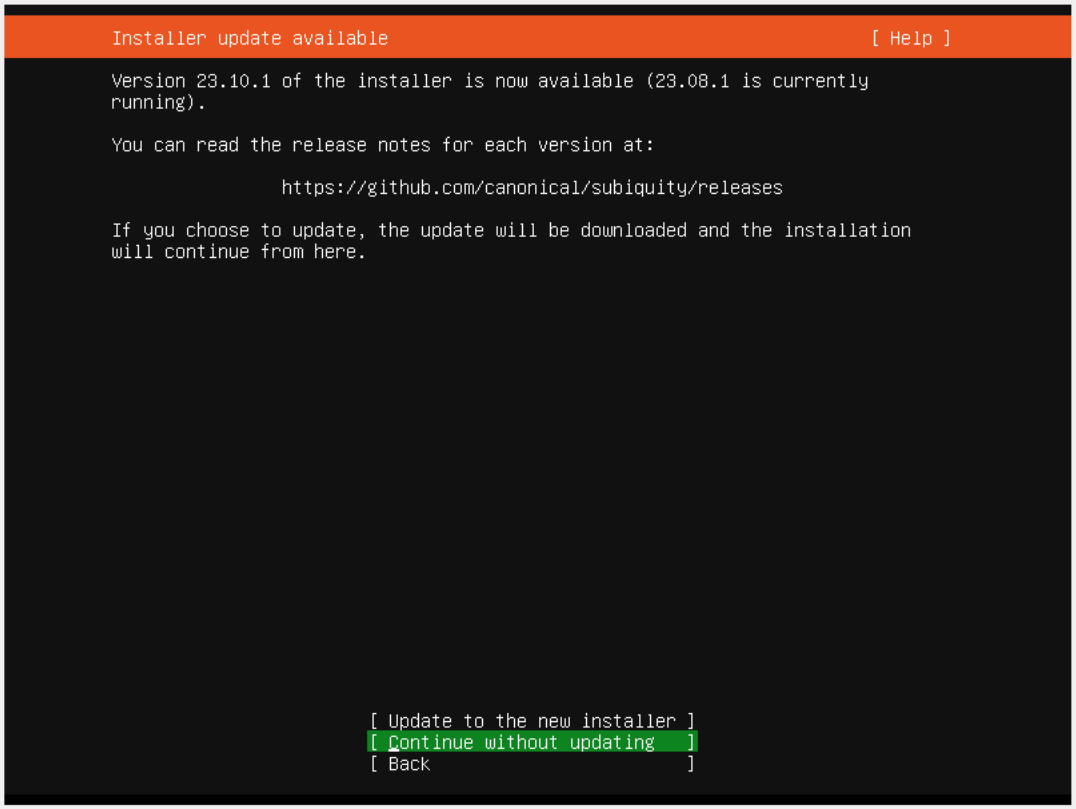

UbuntuS - Settings
General
System
Display
Storage
Audio
Network
Serial Ports
USB
Shared Folders
User Interface
Storage
Storage Devices
Controller: IDE
Empty
Attributes
Name: IDE
Type: PIIX4
UbuntuS - Optical Disk Selector
Medium
Add
Create
Refresh
Name
Virtual Size
Attached
linuxmint-21-mate-64bit.iso
--
VBoxGuestAdditions.iso
60,85 MB
Search By Name
Choose
Leave Empty
Cancel

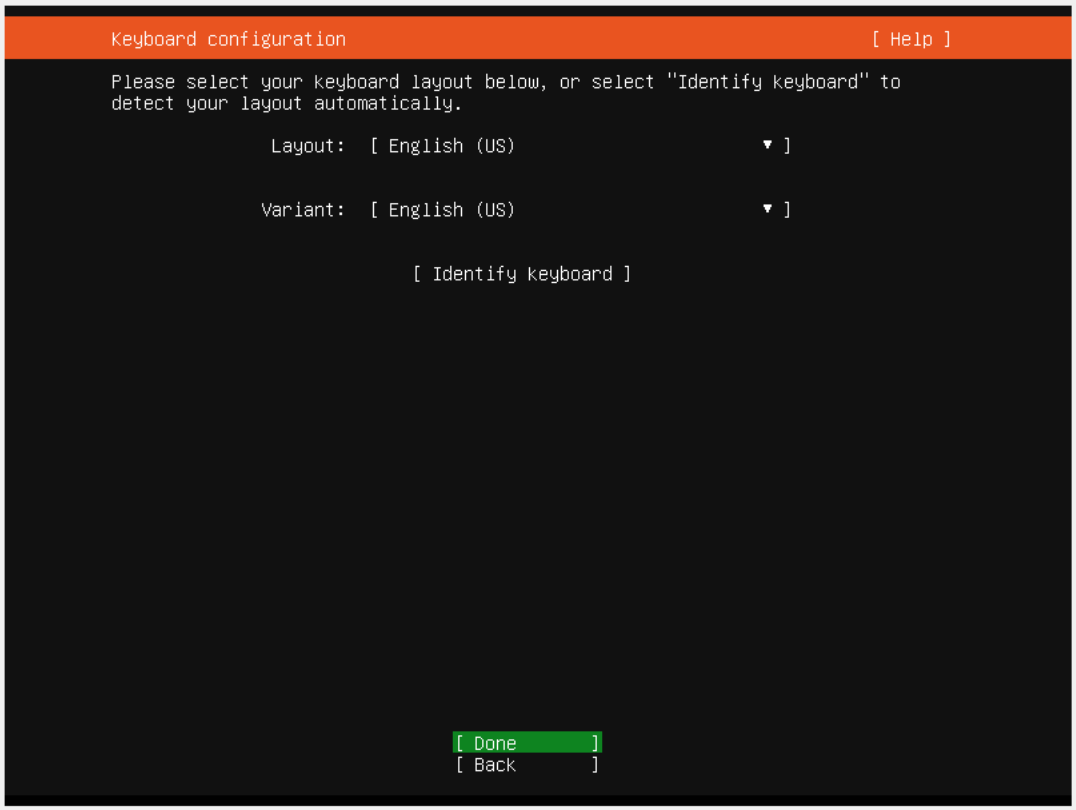
Controller: IDE
ubuntu-22.04.3-live-server-amd64.iso
Empty

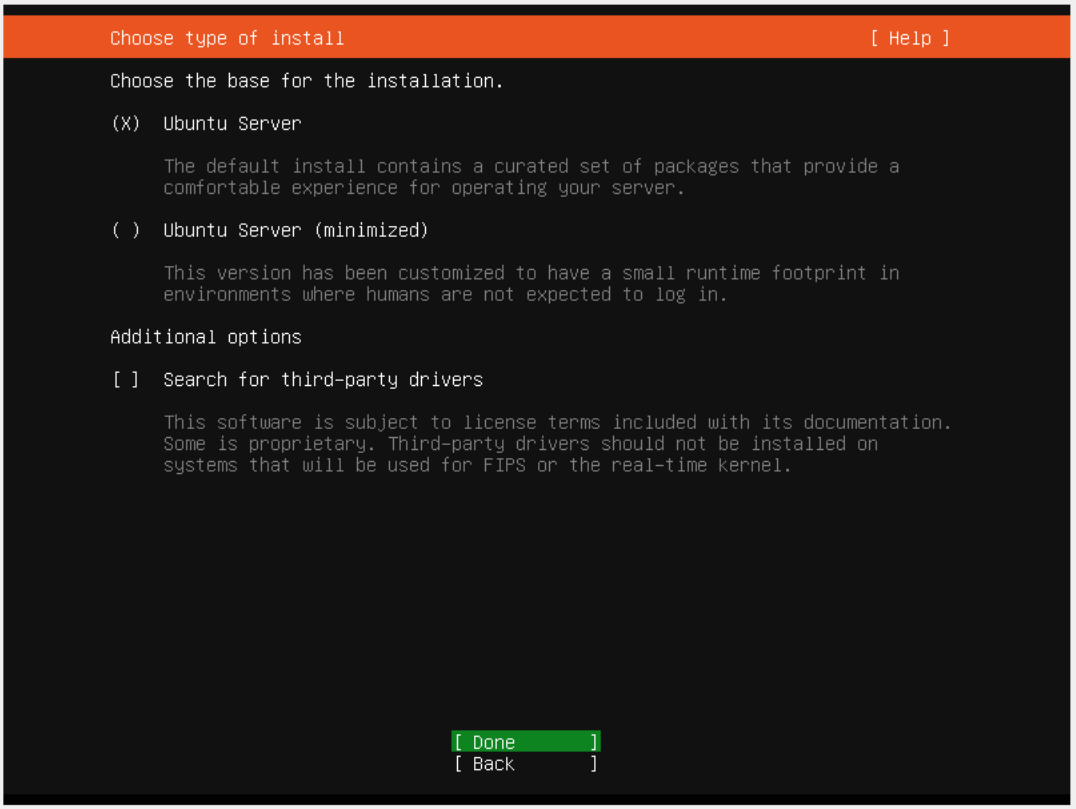

UbuntuS [Powered Off] - Oracle VM VirtualBox
File
Machine
View
Input
Devices
Help
Select start-up disk
Please select a virtual optical disk file or a physical optical drive containing a disk to start your new virtual machine from.
The disk should be suitable for starting a computer from and should contain the operating system you wish to install on the virtual machine if you want to do that now. The disk will be ejected from the virtual drive automatically next time you switch the virtual machine off, but you can also do this yourself if needed using the Devices menu.
ubuntu-22.04.3-live-server-amd64.iso (1,99 GB)
Start
Cancel
Right Ctrl

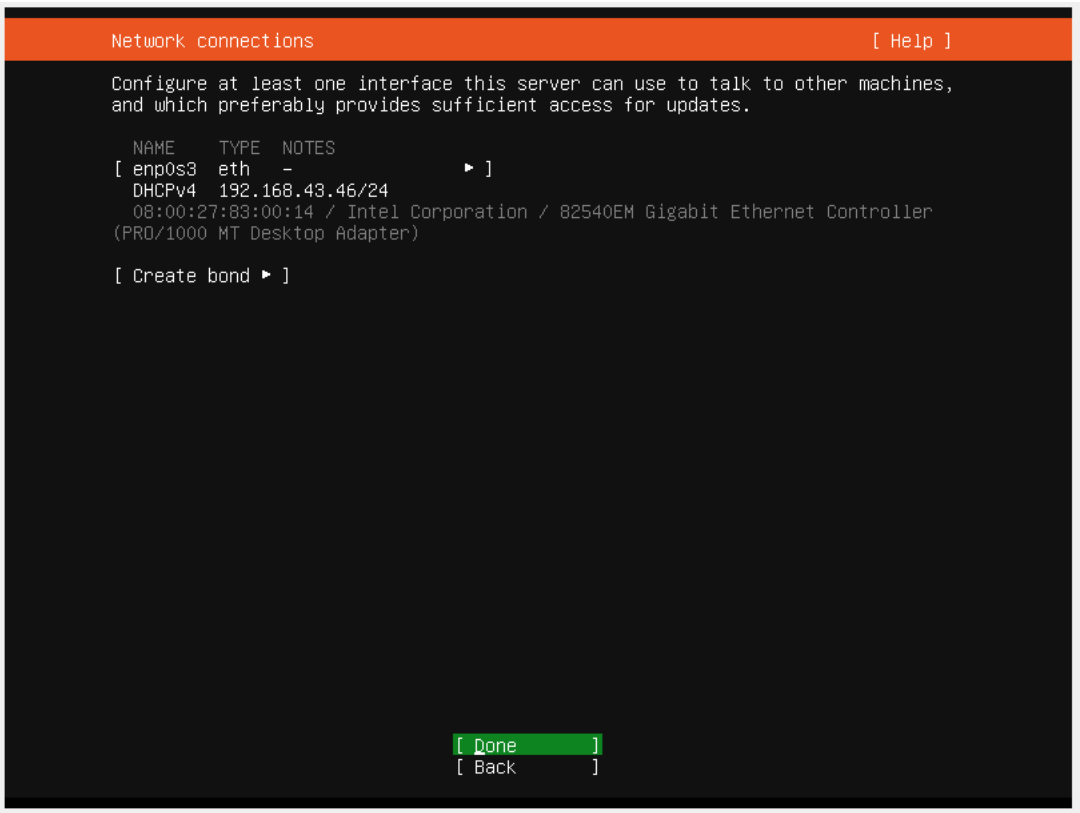

GNU GRUB version 2.06
*Try or Install Ubuntu Server
Ubuntu Server with the HWE kernel
Test memory
Use the ↑ and ↓ keys to select which entry is highlighted.
Press enter to boot the selected OS, `e' to edit the commands
before booting or `c' for a command-line.

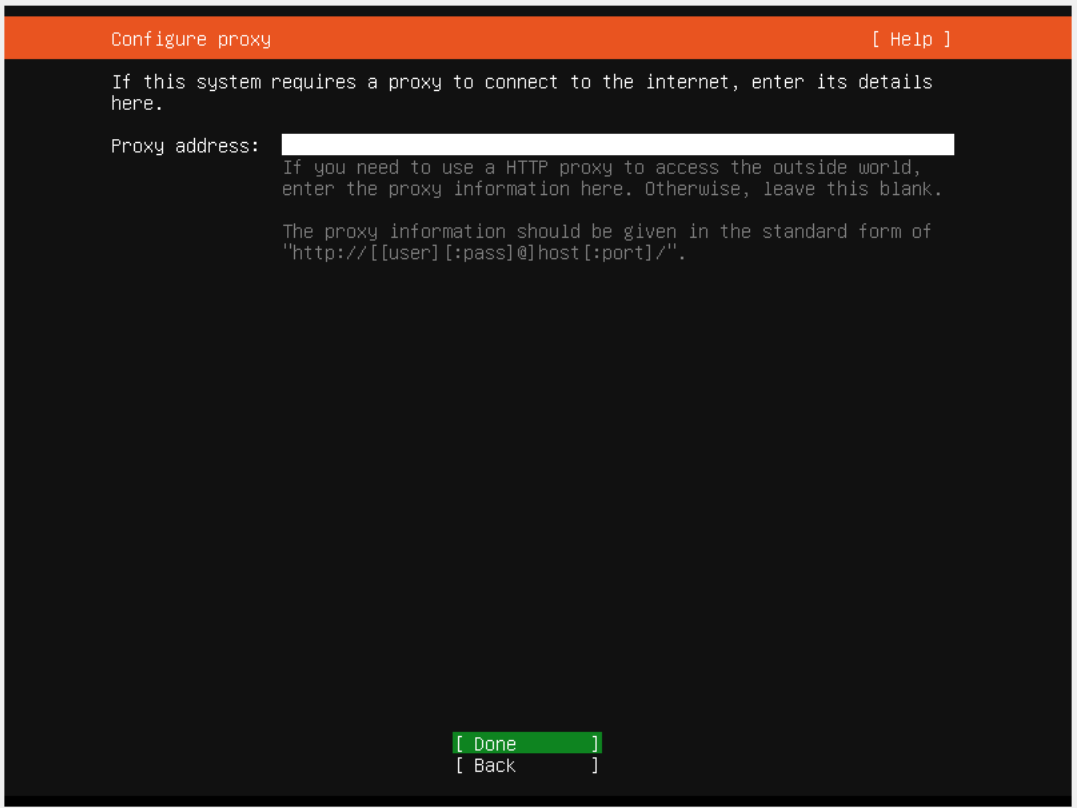

Willkommen! Bienvenue! Welcome! Добро пожаловать! Welkom!
[Help]
Use UP, DOWN and ENTER keys to select your language.
[Asturianu ▸]
[Bahasa Indonesia ▸]
[Català ▸]
[Deutsch ▸]
[English ▸]
[English (UK) ▸]
[Español ▸]
[Français ▸]
[Galego ▸]
[Hrvatski ▸]
[Latviski ▸]
[Lietuviškai ▸]
[Magyar ▸]
[Nederlands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

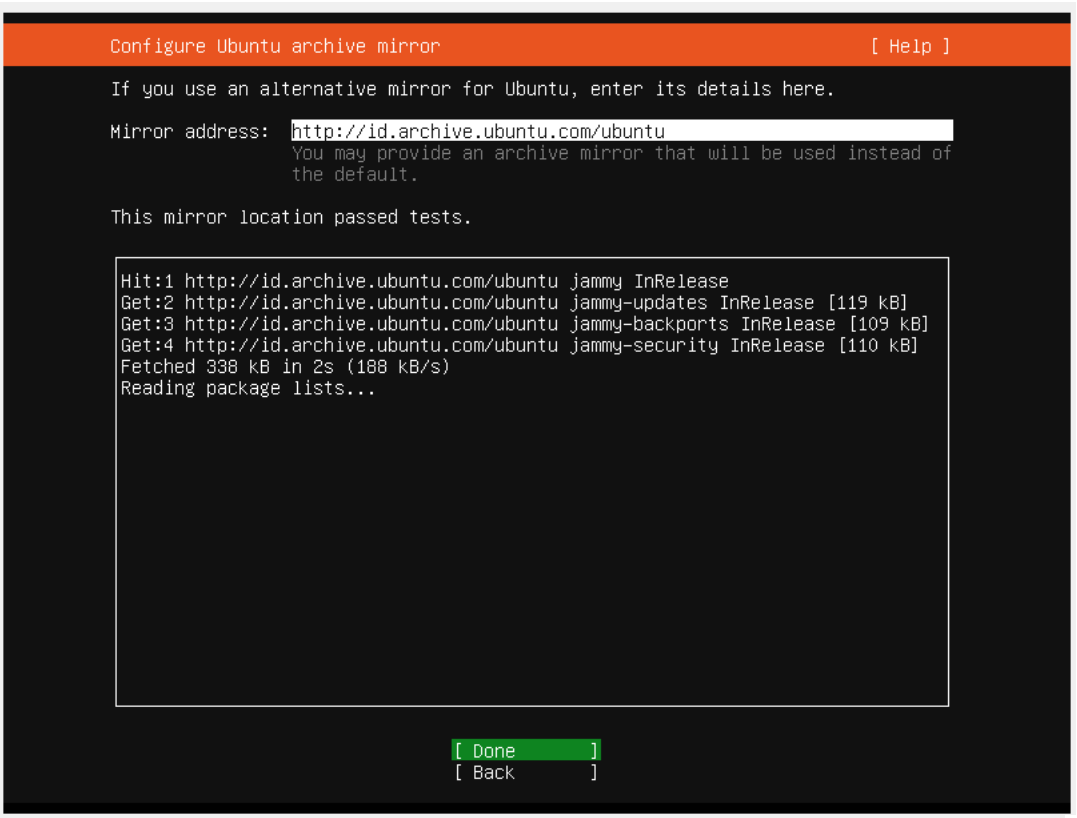

Installer update available
[Help]
Version 23.10.1 of the installer is now available (23.08.1 is currently running).
You can read the release notes for each version at:
https://github.com/canonical/subiquity/releases
If you choose to update, the update will be downloaded and the installation will continue from here.
[Update to the new installer]
[Continue without updating]
[Back]

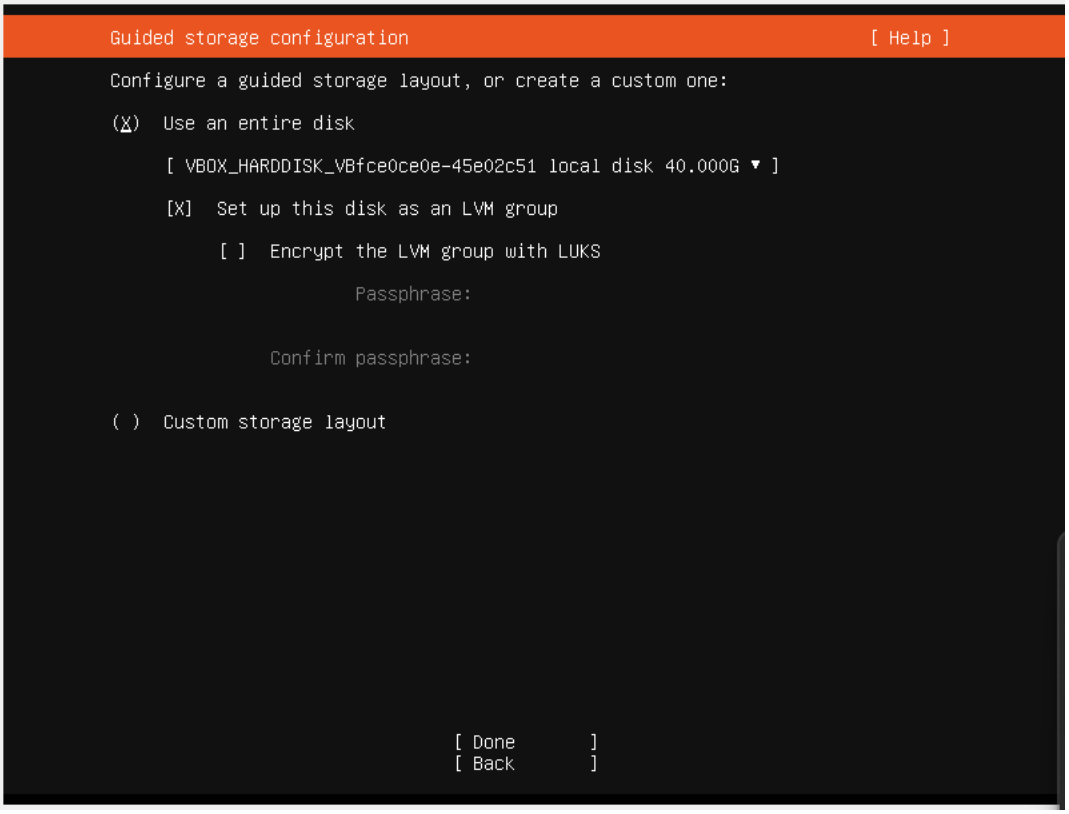

Keyboard configuration
[Help]
Please select your keyboard layout below, or select "Identify keyboard" to
detect your layout automatically.
Layout: [English (US) ▾]
Variant: [English (US) ▾]
[Identify keyboard]
[Done]
[Back]

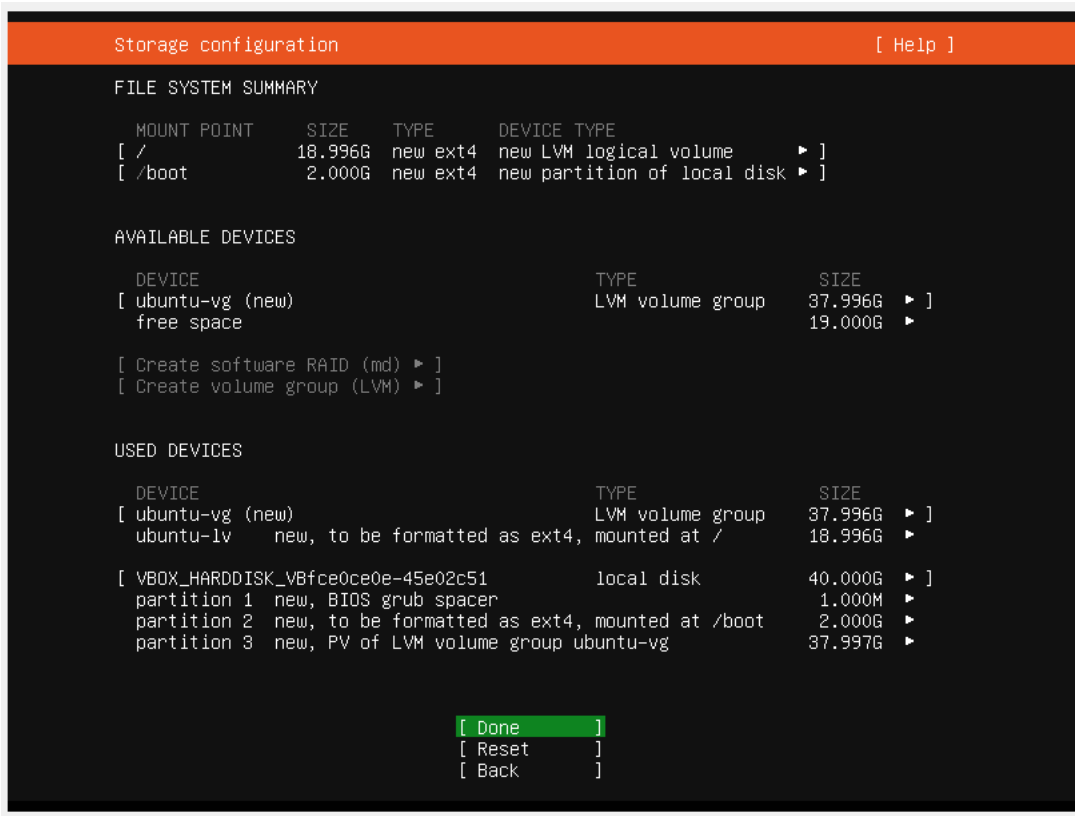

Choose type of install
[Help]
Choose the base for the installation.
(X) Ubuntu Server
The default install contains a curated set of packages that provide a
comfortable experience for operating your server.
( ) Ubuntu Server (minimized)
This version has been customized to have a small runtime footprint in
environments where humans are not expected to log in.
Additional options
[ ] Search for third-party drivers
This software is subject to license terms included with its documentation.
Some is proprietary. Third-party drivers should not be installed on
systems that will be used for FIPS or the real-time kernel.
[Done]
[Back]

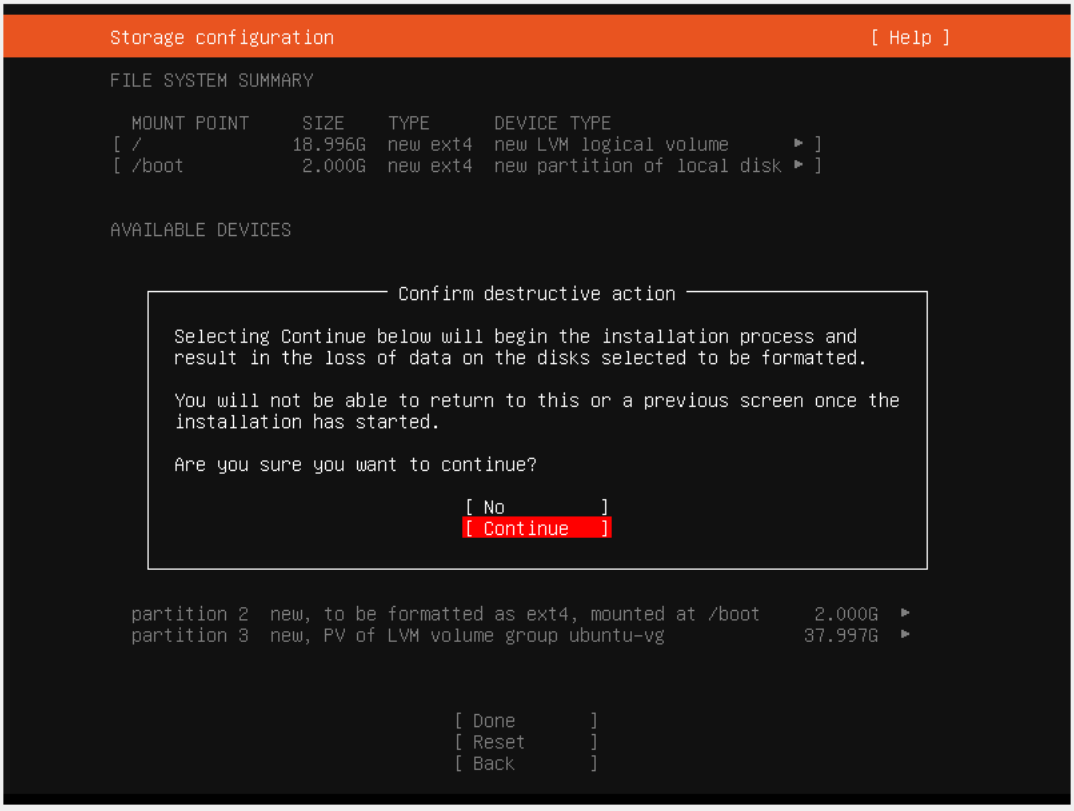

Network connections
[Help]
Configure at least one interface this server can use to talk to other machines,
and which preferably provides sufficient access for updates.
NAME TYPE NOTES
[enp0s3 eth - ▸]
DHCPv4 192.168.43.46/24
08:00:27:83:00:14 / Intel Corporation / 82540EM Gigabit Ethernet Controller
(PRO/1000 MT Desktop Adapter)
[Create bond ▸]
[Done]
[Back]

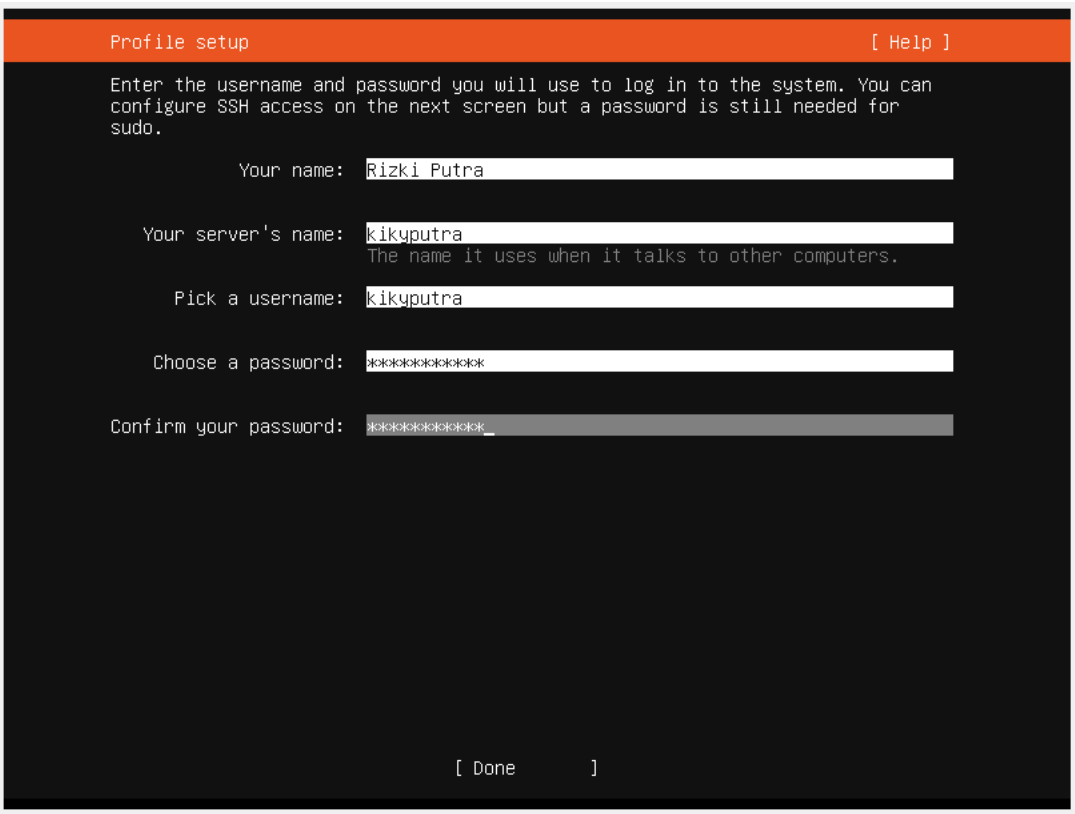

Configure proxy
[Help]
If this system requires a proxy to connect to the internet, enter its details
here.
Proxy address:
If you need to use a HTTP proxy to access the outside world,
enter the proxy information here. Otherwise, leave this blank.
The proxy information should be given in the standard form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

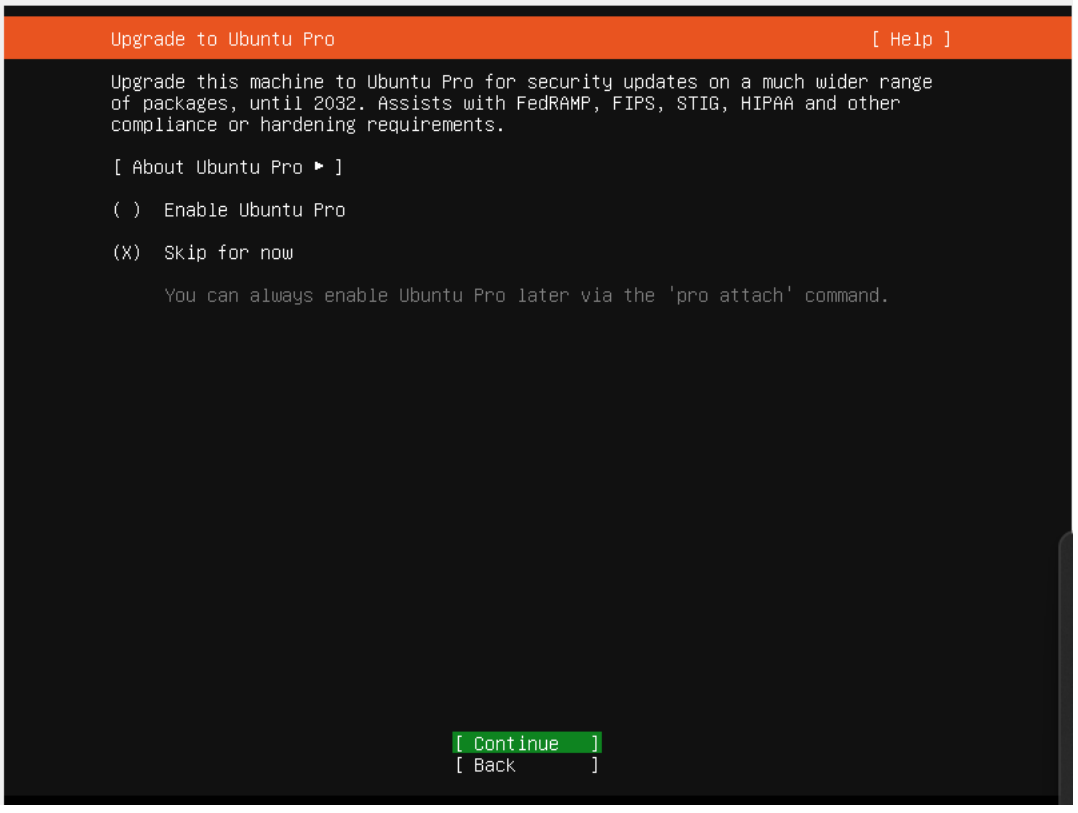

Configure Ubuntu archive mirror
[Help]
If you use an alternative mirror for Ubuntu, enter its details here.
Mirror address: http://id.archive.ubuntu.com/ubuntu
You may provide an archive mirror that will be used instead of the default.
This mirror location passed tests.
Hit:1 http://id.archive.ubuntu.com/ubuntu jammy InRelease
Get:2 http://id.archive.ubuntu.com/ubuntu jammy-updates InRelease [119 kB]
Get:3 http://id.archive.ubuntu.com/ubuntu jammy-backports InRelease [109 kB]
Get:4 http://id.archive.ubuntu.com/ubuntu jammy-security InRelease [110 kB]
Fetched 338 kB in 2s (188 kB/s)
Reading package lists...
[Done]
[Back]

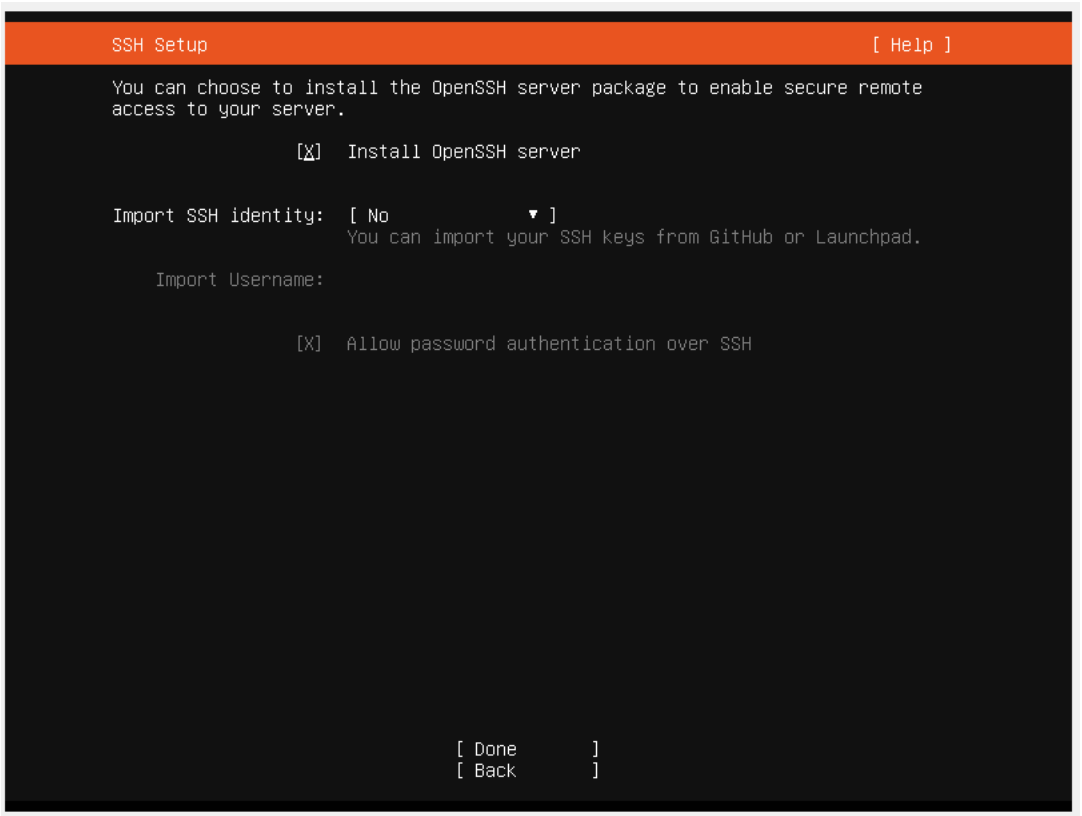

Guided storage configuration
[Help]
Configure a guided storage layout, or create a custom one:
(X) Use an entire disk
[VBOX_HARDDISK_VBfce0ce0e-45e02c51 local disk 40.000G ▾]
[X] Set up this disk as an LVM group
[ ] Encrypt the LVM group with LUKS
Passphrase:
Confirm passphrase:
( ) Custom storage layout
[Done]
[Back]

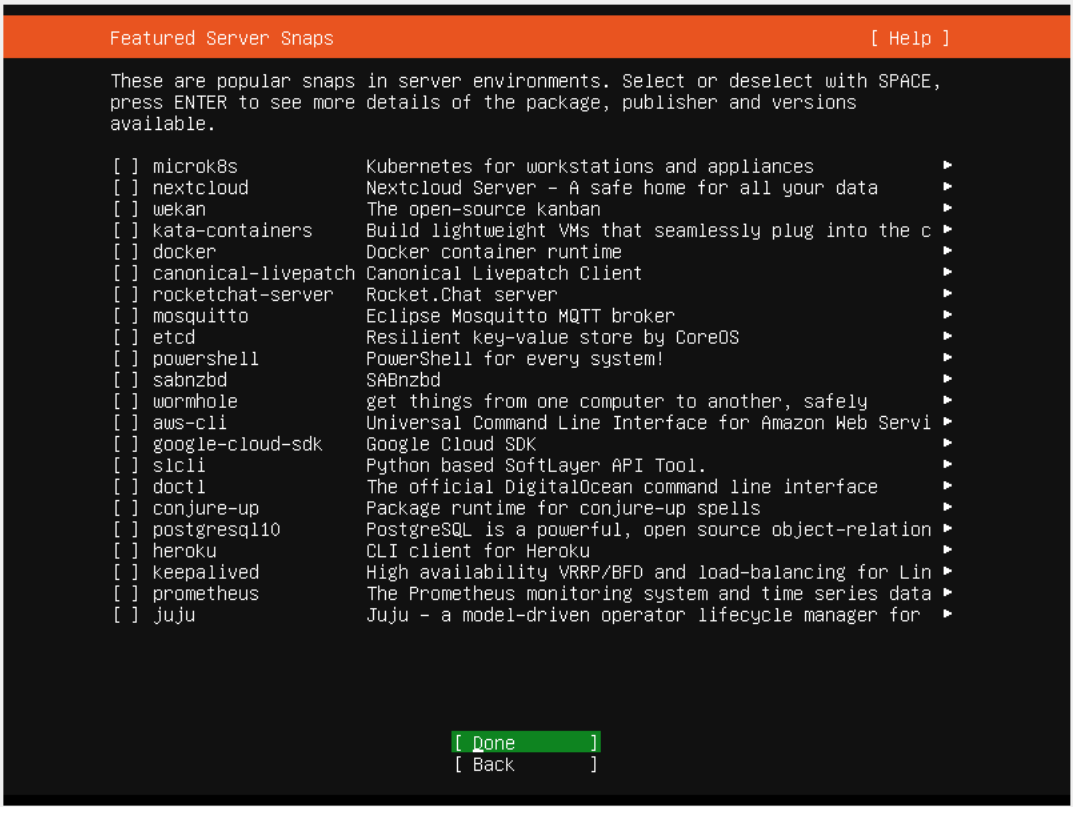

Storage configuration
[Help]
FILE SYSTEM SUMMARY
MOUNT POINT SIZE TYPE DEVICE TYPE
[/ 18.996G new ext4 new LVM logical volume ▸]
[/boot 2.000G new ext4 new partition of local disk ▸]
AVAILABLE DEVICES
DEVICE TYPE SIZE
[ubuntu-vg (new) LVM volume group 37.996G ▸]
free space 19.000G ▸
[Create software RAID (md) ▸]
[Create volume group (LVM) ▸]
USED DEVICES
DEVICE TYPE SIZE
[ubuntu-vg (new) LVM volume group 37.996G ▸]
ubuntu-lv new, to be formatted as ext4, mounted at / 18.996G ▸
[VBOX_HARDDISK_VBfce0ce0e-45e02c51 local disk 40.000G ▸]
partition 1 new, BIOS grub spacer 1.000M ▸
partition 2 new, to be formatted as ext4, mounted at /boot 2.000G ▸
partition 3 new, PV of LVM volume group ubuntu-vg 37.997G ▸
[Done]
[Reset]
[Back]

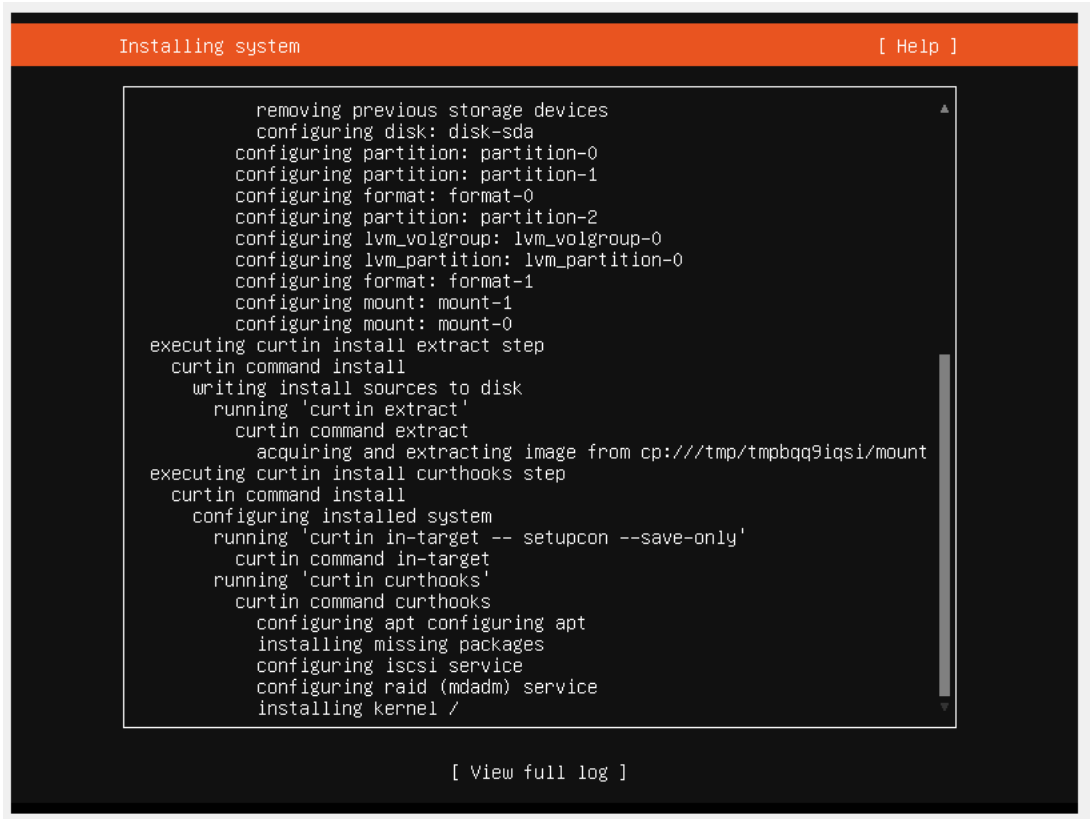

Storage configuration
[Help]
FILE SYSTEM SUMMARY
MOUNT POINT SIZE TYPE DEVICE TYPE
[/ 18.996G new ext4 new LVM logical volume ▸]
[/boot 2.000G new ext4 new partition of local disk ▸]
AVAILABLE DEVICES
Confirm destructive action
Selecting Continue below will begin the installation process and result in 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]
partition 2 new, to be formatted as ext4, mounted at /boot 2.000G ▸
partition 3 new, PV of LVM volume group ubuntu-vg 37.997G ▸
[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: Rizki Putra
Your server's name: kikyputra
The name it uses when it talks to other computers.
Pick a username: kikyputra
Choose a password: **********
Confirm your password: **********
[Done]

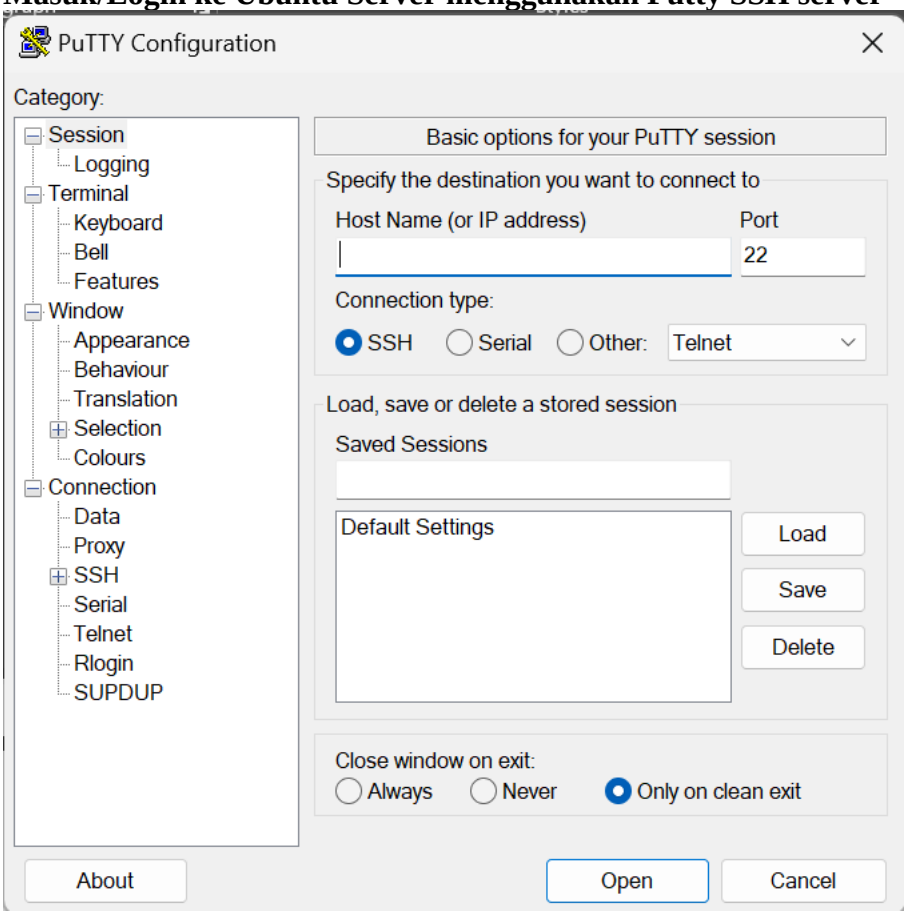

Upgrade to Ubuntu Pro
[Help]
Upgrade this machine to Ubuntu Pro for security updates on a much wider range of packages, until 2032. Assists with FedRAMP, FIPS, STIG, HIPAA and other compliance or hardening requirements.
[About Ubuntu Pro ►]
( ) Enable Ubuntu Pro
(X) Skip for now
You can always enable Ubuntu Pro later via the 'pro attach' command.
[Continue]
[Back]


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]


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! ▸
[ ] 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 ▸
[ ] slcli 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]



2. Masuk/Login ke Ubuntu Server menggunakan Putty SSH server



```
root@kiput:/var/www/html# ifconfig -a
enp0s3: flags=4163<UP,BROADCAST,RUNNING,MULTICAST>  mtu 1500
        inet 192.168.43.174  netmask 255.255.255.0  broadcast 192.168.43.255
        inet6 fe80::a00:27ff:fe26:7fab  prefixlen 64  scopeid 0x20<link>
        ether 08:00:27:26:7f:ab  txqueuelen 1000  (Ethernet)
        RX packets 103452  bytes 109851004 (109.8 MB)
        RX errors 0  dropped 0  overruns 0  frame 0
        TX packets 50920  bytes 23877736 (23.8 MB)
        TX errors 0  dropped 0 overruns 0  carrier 0  collisions 0

lo: flags=73<UP,LOOPBACK,RUNNING>  mtu 65536
        inet 127.0.0.1  netmask 255.0.0.0
        inet6 ::1  prefixlen 128  scopeid 0x10<host>
        loop  txqueuelen 1000  (Local Loopback)
        RX packets 1170  bytes 1293736 (1.2 MB)
        RX errors 0  dropped 0  overruns 0  frame 0
        TX packets 1170  bytes 1293736 (1.2 MB)
        TX errors 0  dropped 0 overruns 0  carrier 0  collisions 0

root@kiput:/var/www/html# _
```

Specify the destination you want to connect to

Host Name (or IP address) | Port

192.168.43.174 | 22

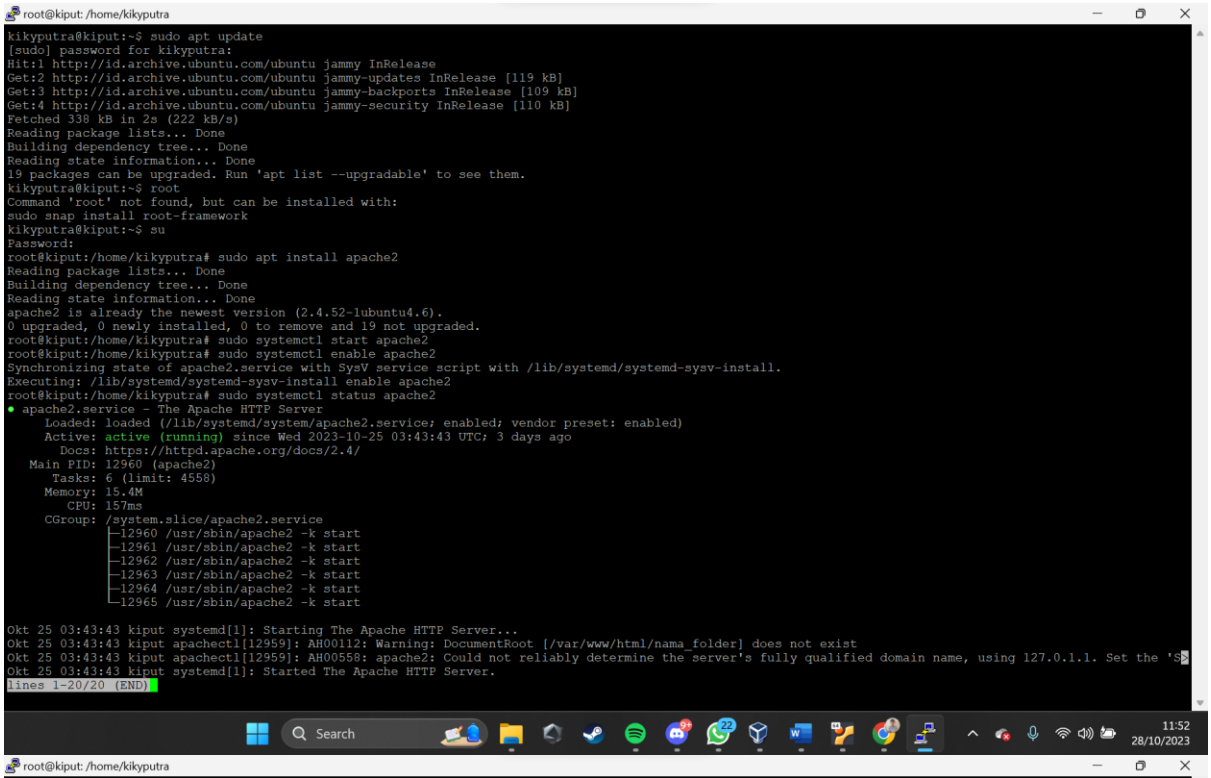
Connection type:

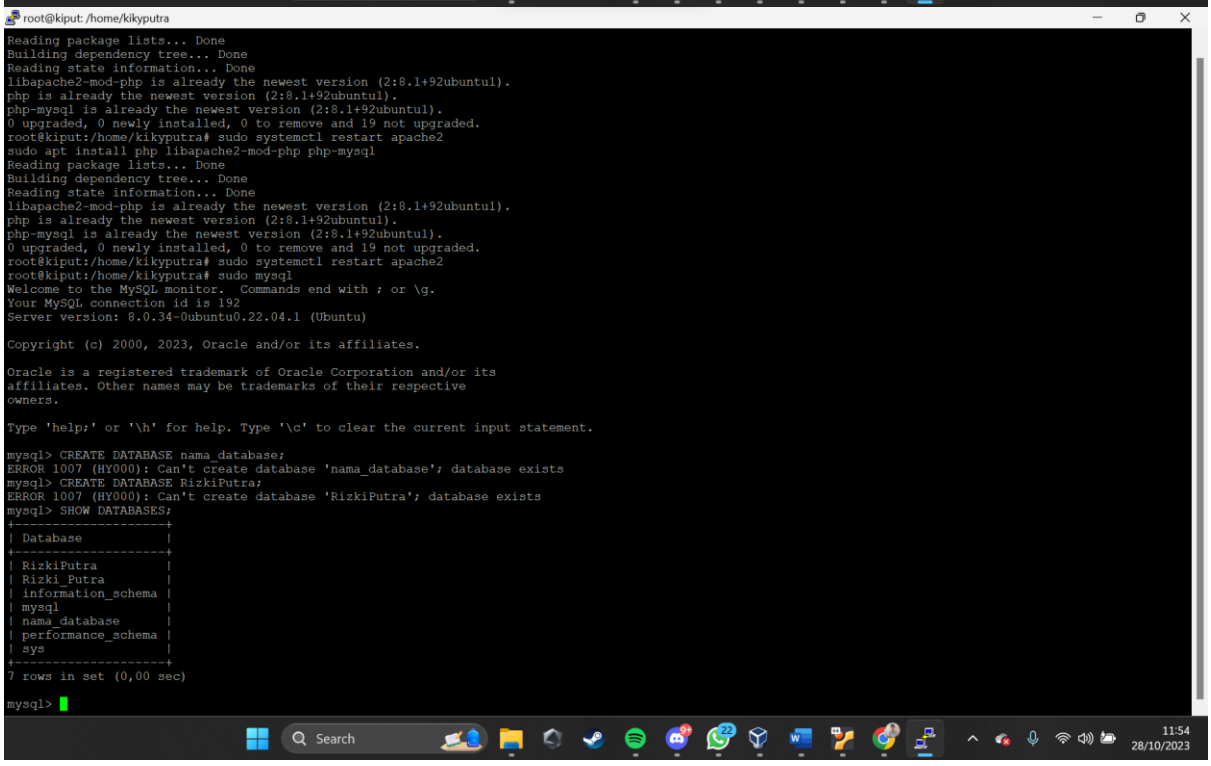
(•) SSH ( ) Serial ( ) Other: Telnet

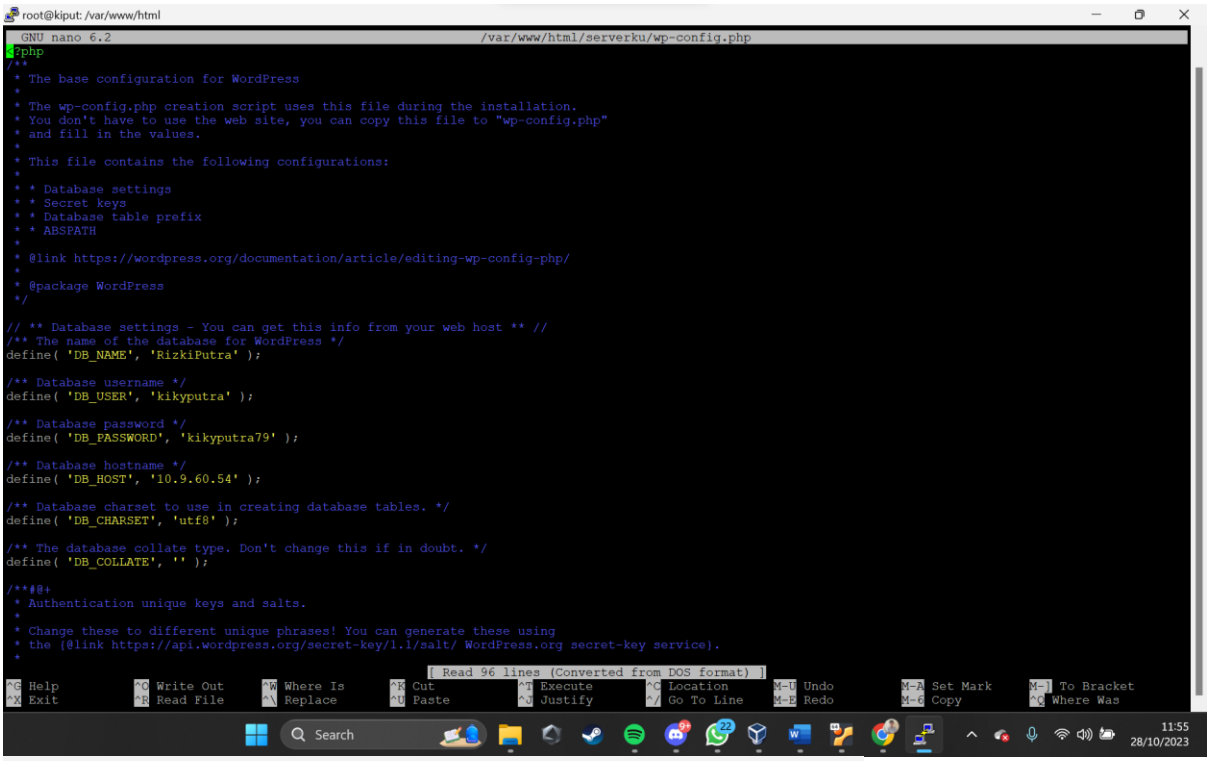
kikyputra@kiput: ~

```
login as: kikyputra
kikyputra@192.168.43.174's password:
Welcome to Ubuntu 22.04.3 LTS (GNU/Linux 5.15.0-87-generic x86_64)

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

  System information as of Sab 28 Okt 2023 04:47:22  UTC

  System load:  0.080078125        Processes:               120
  Usage of /:   44.0% of 18.53GB   Users logged in:         1
  Memory usage: 18%                IPv4 address for enp0s3: 192.168.43.174
  Swap usage:   0%

 * Strictly confined Kubernetes makes edge and IoT secure. Learn how MicroK8s
   just raised the bar for easy, resilient and secure K8s cluster deployment.

   https://ubuntu.com/engage/secure-kubernetes-at-the-edge

Expanded Security Maintenance untuk Applications tidak difungsikan.

16 pemutakhiran dapat diterapkan saat ini juga.
7 dari pemutakhiran ini adalah pemutakhiran keamanan standar.
Untuk melihat pemutakhiran tambahan ini jalankan: apt list --upgradable

Fungsikan ESM Apps untuk menerima pembaruan keamanan tambahan di masa depan.
Lihat https://ubuntu.com/esm atau jalankan: sudo pro status


Last login: Wed Oct 25 03:25:17 2023 from 10.9.61.133
kikyputra@kiput:~$
```

3. Instalasi Wordpress di Ubuntu Server menggunakan MySQL dan Apache 2



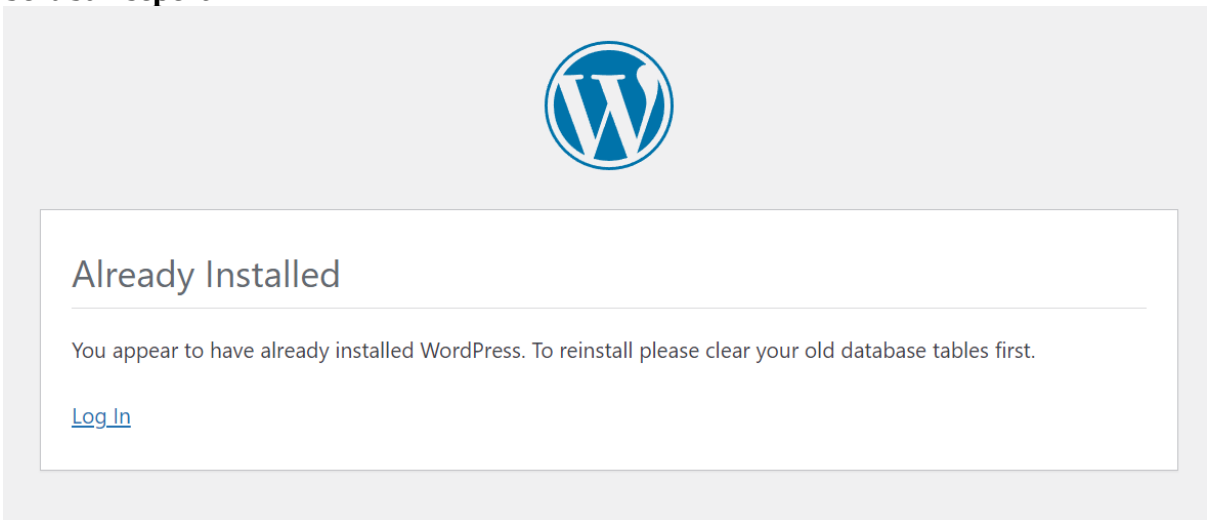




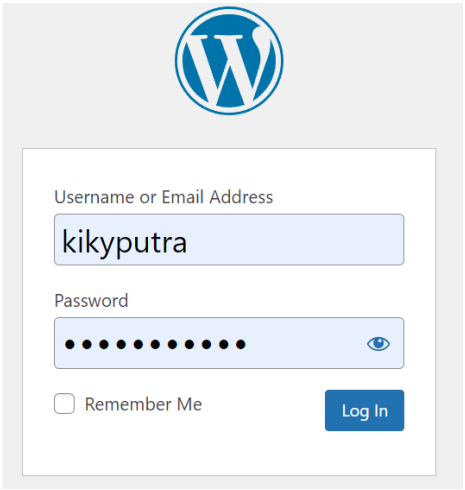
root@kiput: /var/www/html

```
  GNU nano 6.2
<VirtualHost *:80>
    ServerAdmin admin@192.168.43.174
    DocumentRoot /var/www/html/serverku
    ServerName 192.168.43.174
    ServerAlias 192.168.43.174
    <Directory /var/www/html/serverku>
        Options FollowSymLinks
        AllowOverride All
        Require all granted
    </Directory>
    ErrorLog ${APACHE_LOG_DIR}/error.log
    CustomLog ${APACHE_LOG_DIR}/access.log combined
</VirtualHost>
```

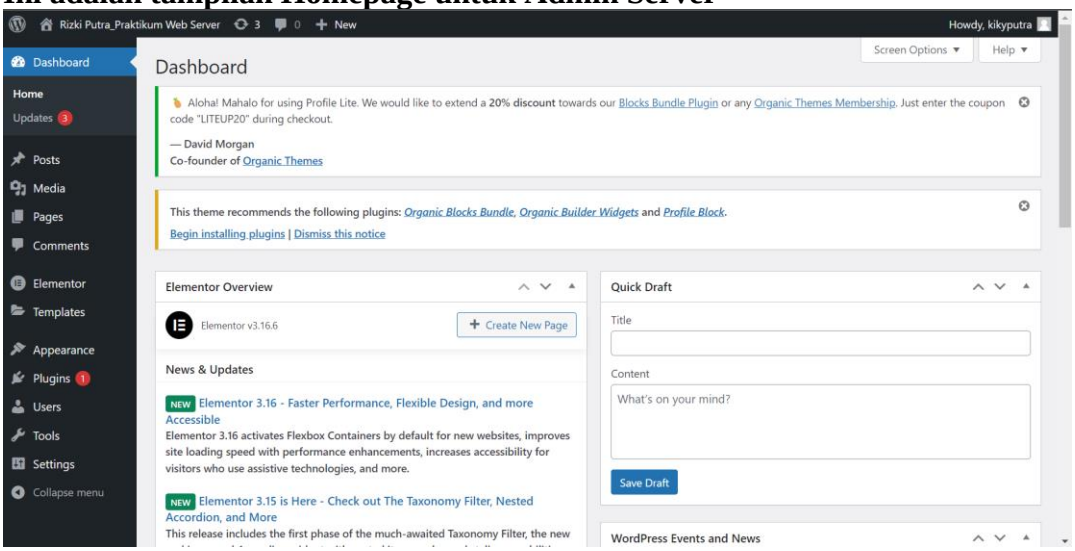
Karena sebelum saya mengerjakan laporan saya sudah pernah menginstall, maka tampilan pada “http://192.168.43.174/wordpress/wp-admin/install.php” berubah seperti ini



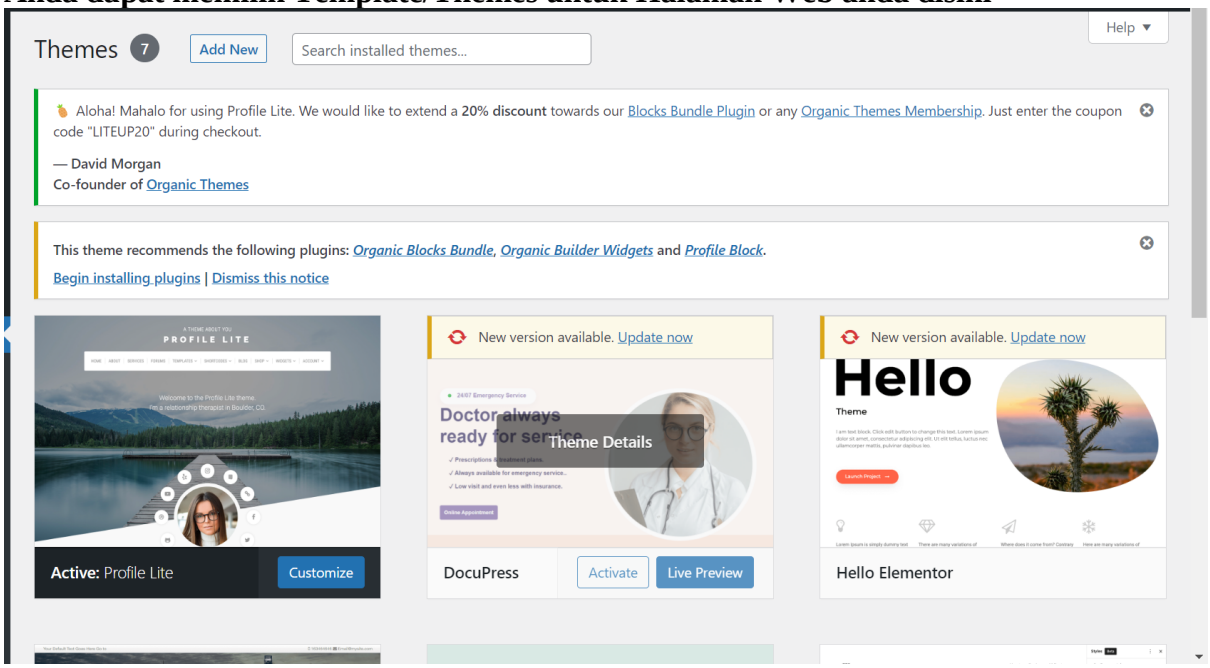
Langsung saja kita masuk ke Admin Page



Ini adalah tampilan Homepage untuk Admin Server



Anda dapat memilih Template/Themes untuk Halaman Web anda disini



Ini adalah tampilan Halaman Web anda pada saat pengunjung masuk