

Pemrosesan Paralel
**“ Instalasi Web Server menggunakan Wordpress
dan Apache2 dalam Ubuntu Server”**




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PALEMBANG
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1. Instalasi Ubuntu Server pada Virtual Machine

Create Virtual Machine



Virtual machine Name and Operating System

Please choose a descriptive name and destination folder for the new virtual machine. The name you choose will be used throughout VirtualBox to identify this machine. Additionally, you can select an ISO image which may be used to install the guest operating system.

Name:

Folder:


ISO Image:

Edition:

Type:

Version:

☐ Skip Unattended Installation

 No ISO image is selected, the guest OS will need to be installed manually.

Help


Expert Mode

Back

Next

Cancel

Create Virtual Machine



Hardware

You can modify virtual machine's hardware by changing amount of RAM and virtual CPU count. Enabling EFI is also possible.

Base Memory:

Processors:

☐ Enable EFI (special OSes only)


Help

Back

Next

Cancel

Create Virtual Machine



Virtual 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 an existing one. Alternatively you can create a virtual machine without a virtual hard disk.

☒ Create a Virtual Hard Disk Now

Disk Size:

☐ Pre-allocate Full Size

☐ Use an Existing Virtual Hard Disk File


☐ Do Not Add a Virtual Hard Disk

Help

Back

Next

Cancel



Summary

The following table summarizes the configuration you have chosen for the new virtual machine. When you are happy with the configuration press Finish to create the virtual machine. Alternatively you can go back and modify the configuration.

Machine Name and OS Type	
Machine Name	IKhlasServer
Machine Folder	C:/Users/User/VirtualBox VMs/IKhlasServer
ISO Image	
Guest OS Type	Ubuntu (64-bit)

Hardware	
Base Memory	4096
Processor(s)	2
EFI Enable	false

Disk	
Disk Size	50,00 GB
Pre-allocate Full Size	false

Help

Back

Finish

Cancel

IKhlasServer - 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

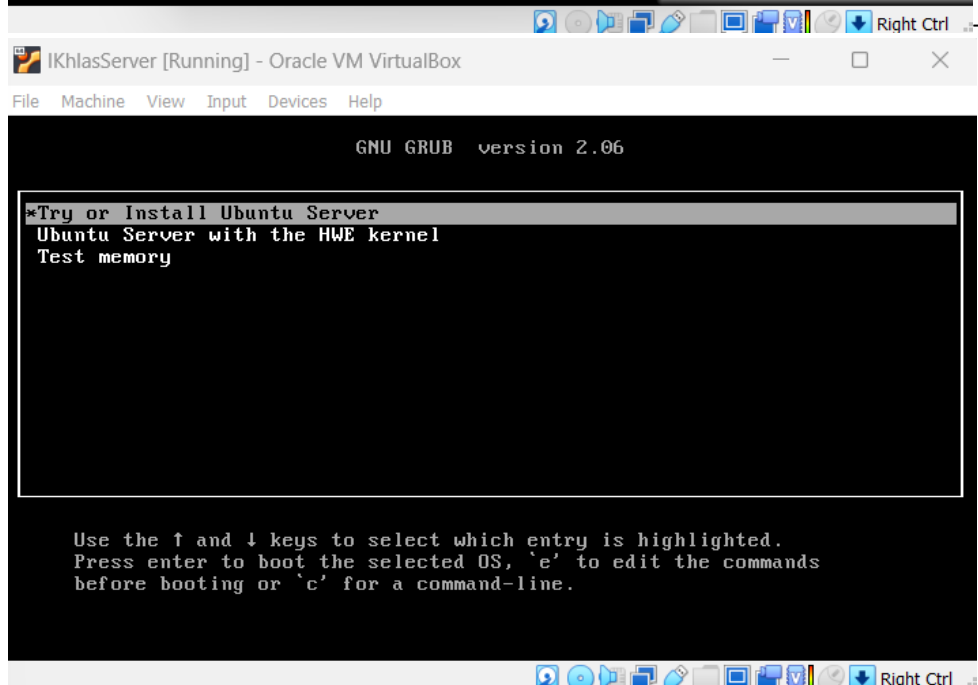
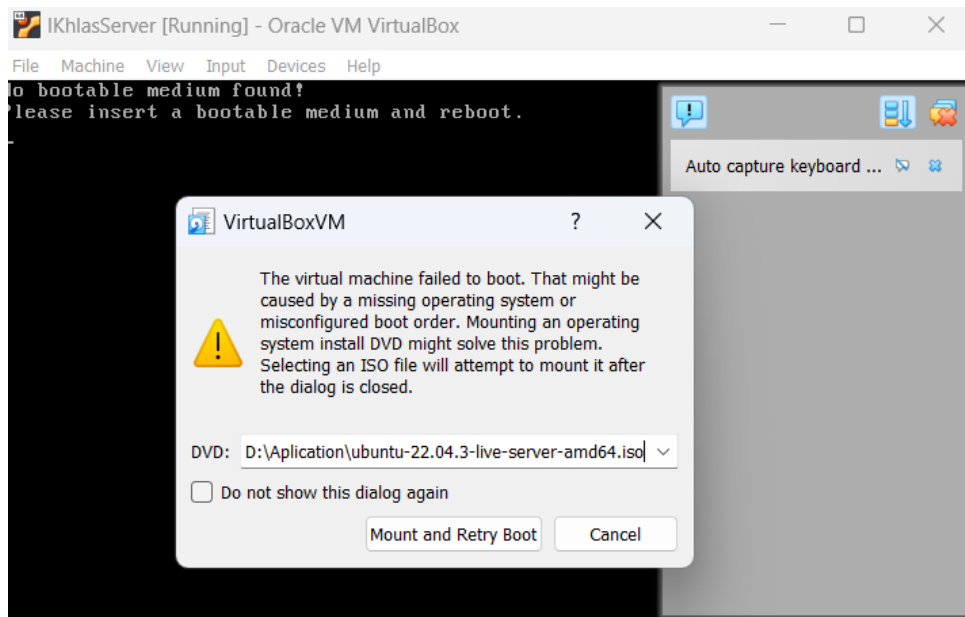
Name: MediaTek Wi-Fi 6 MT7921 Wireless LAN Card

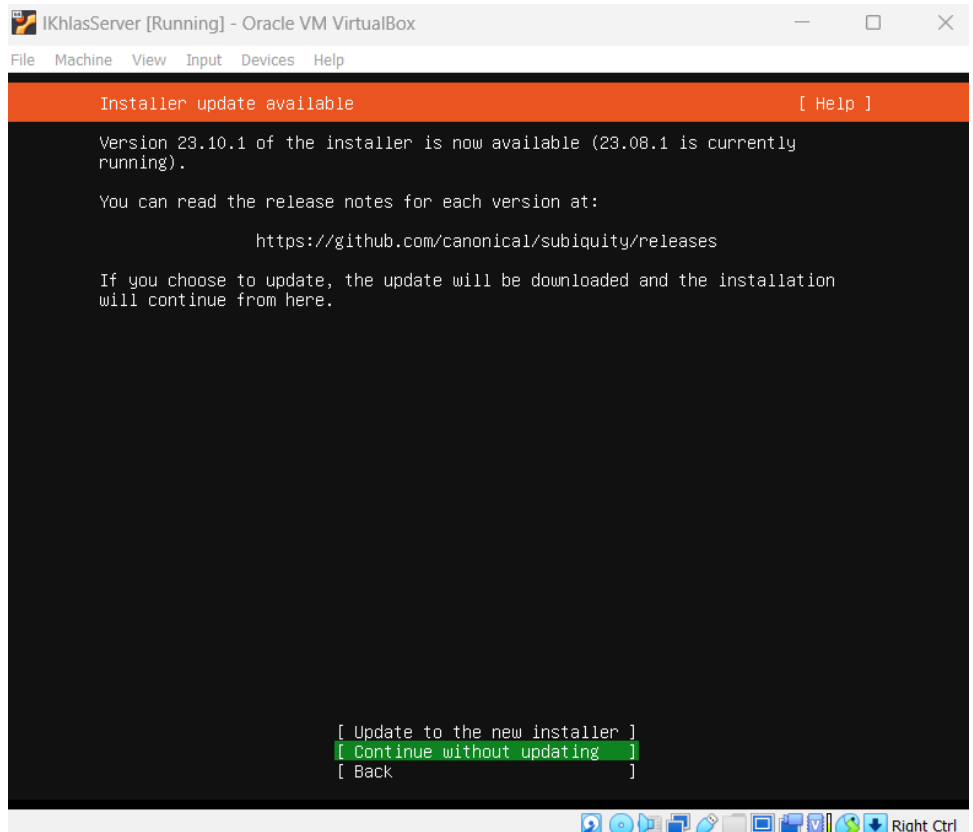
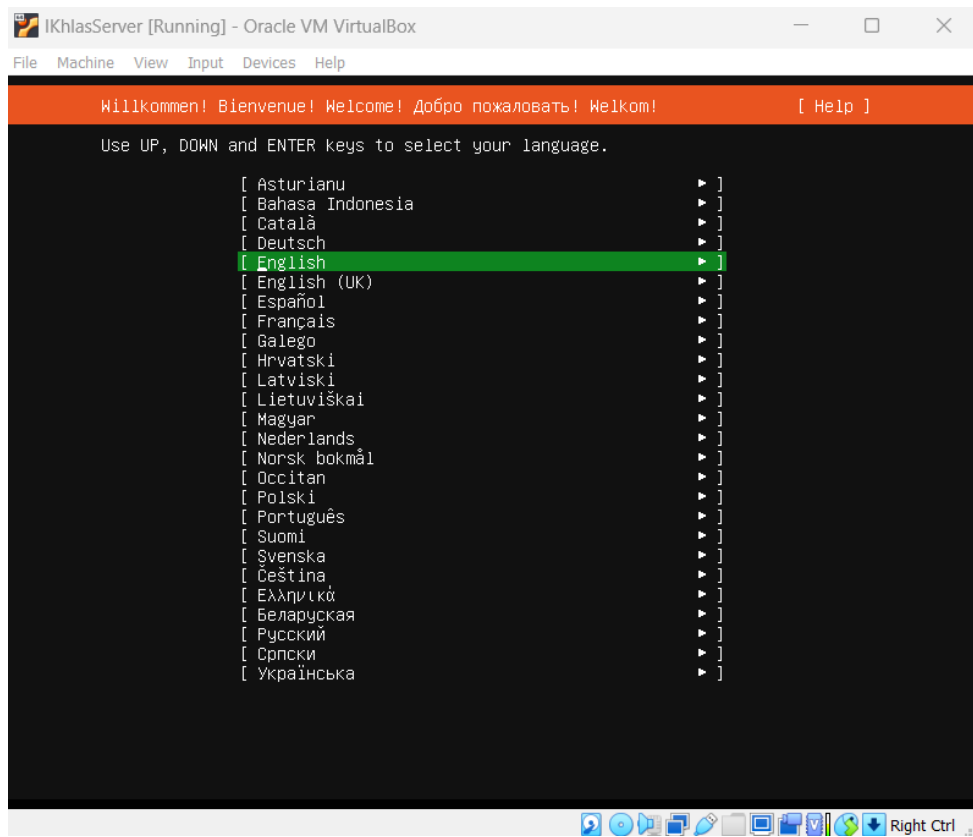
▶ Advanced

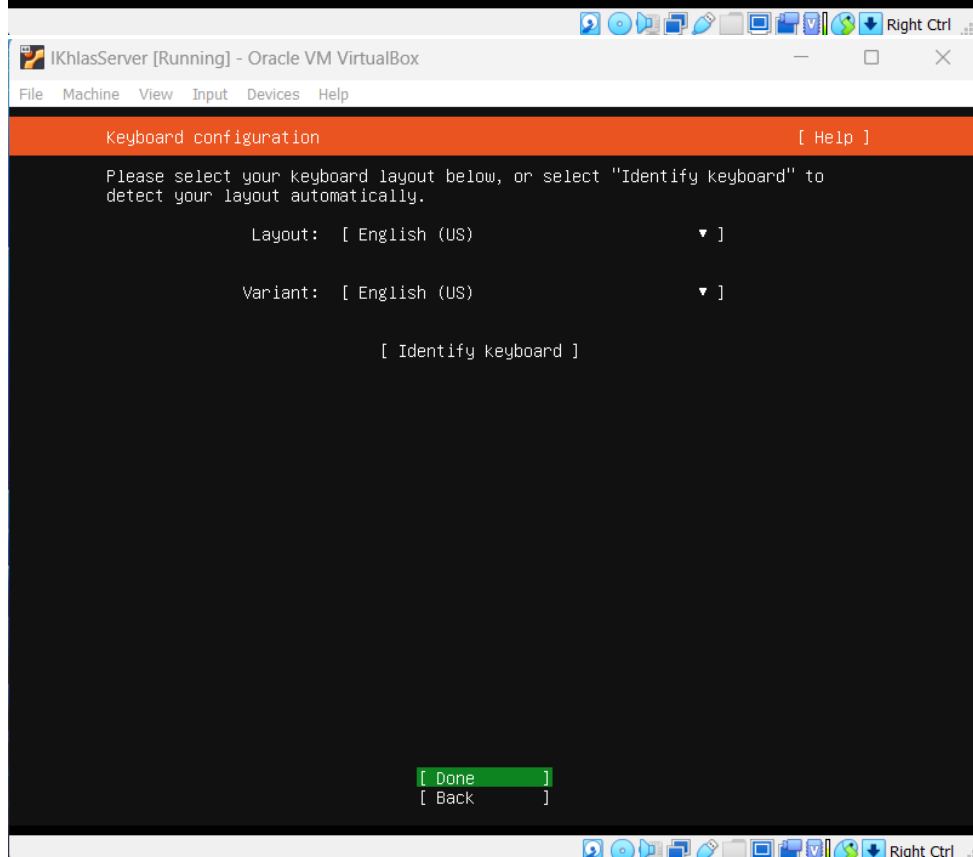
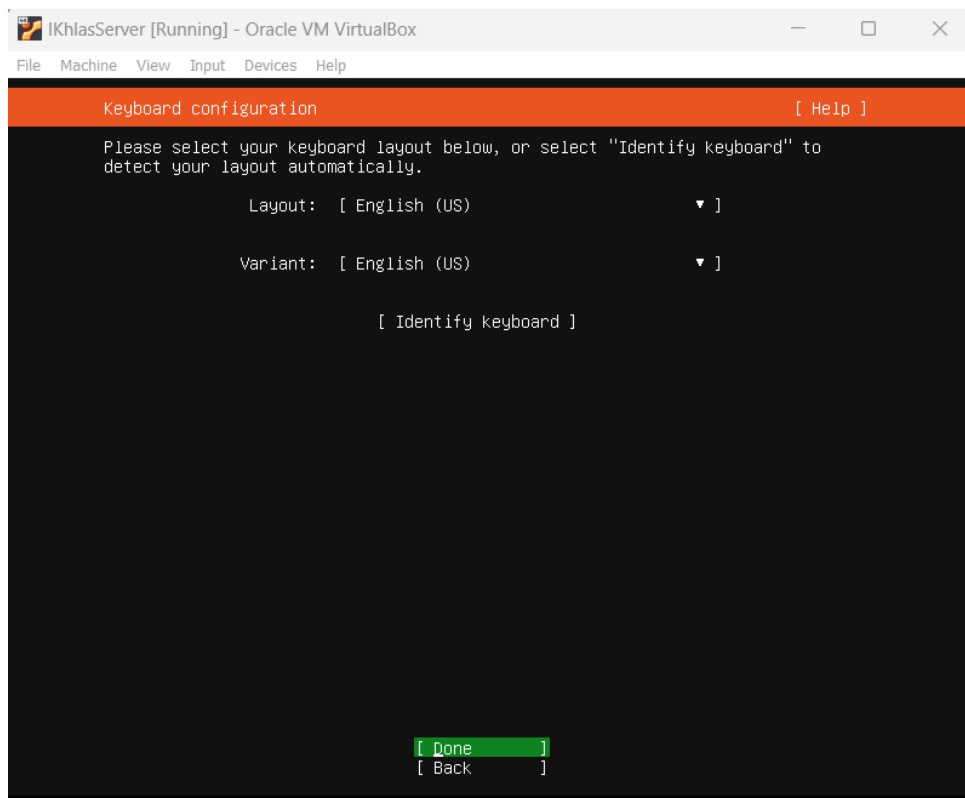
OK

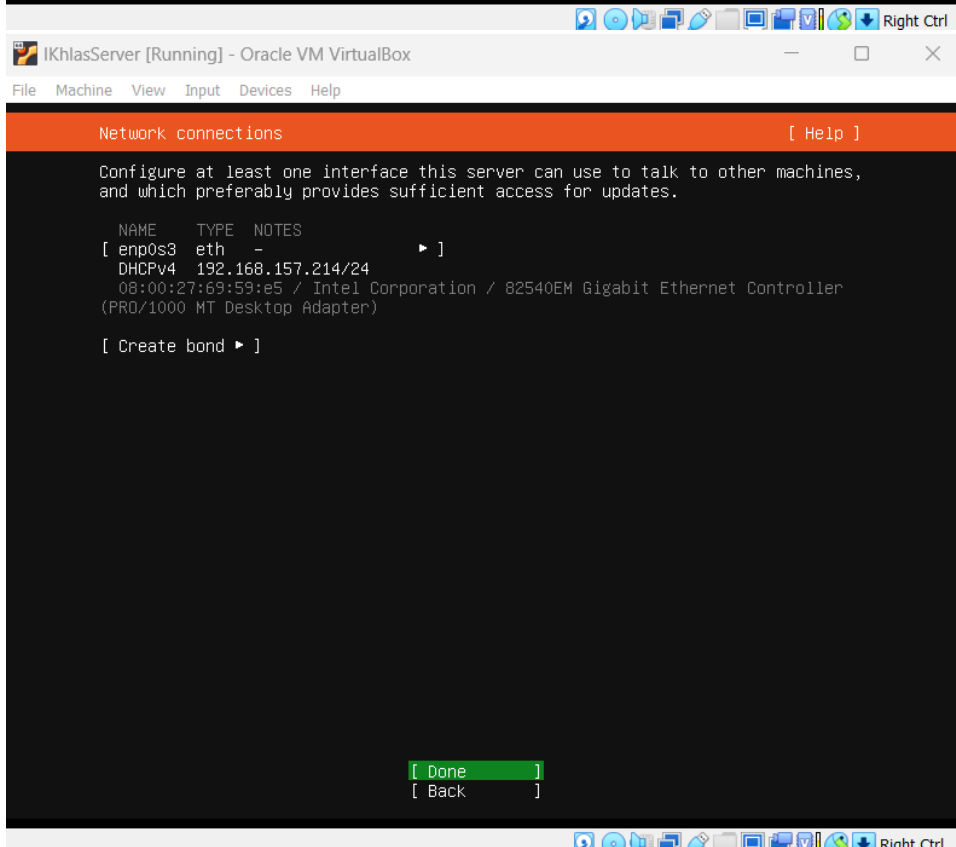
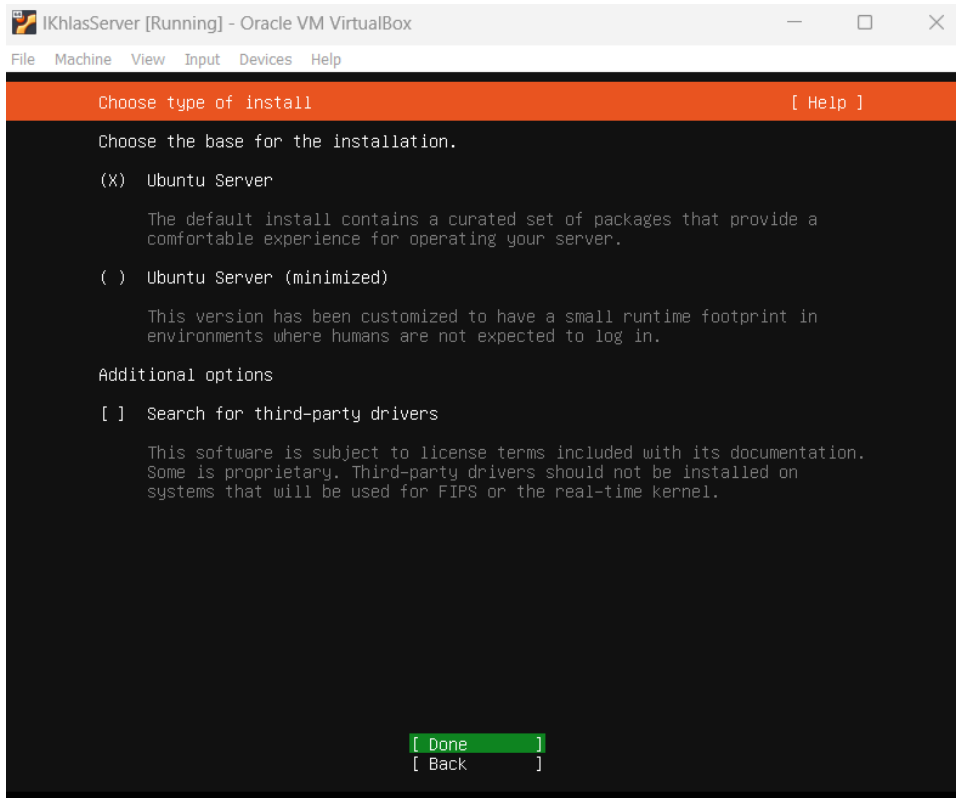
Cancel

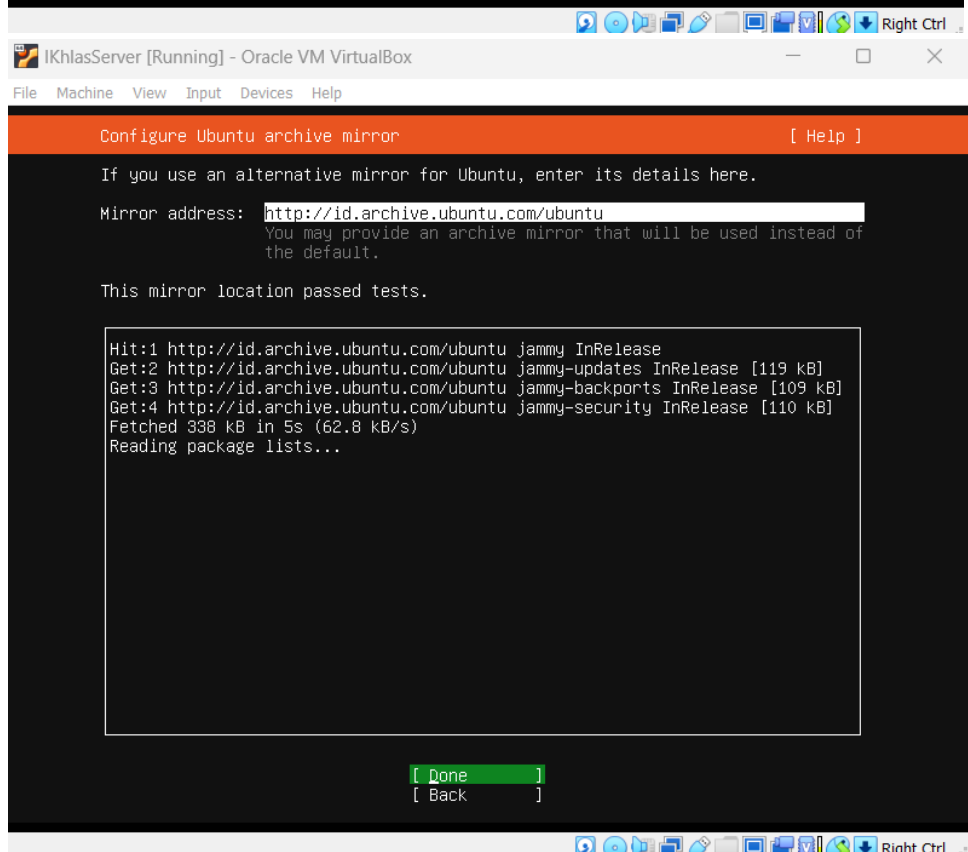
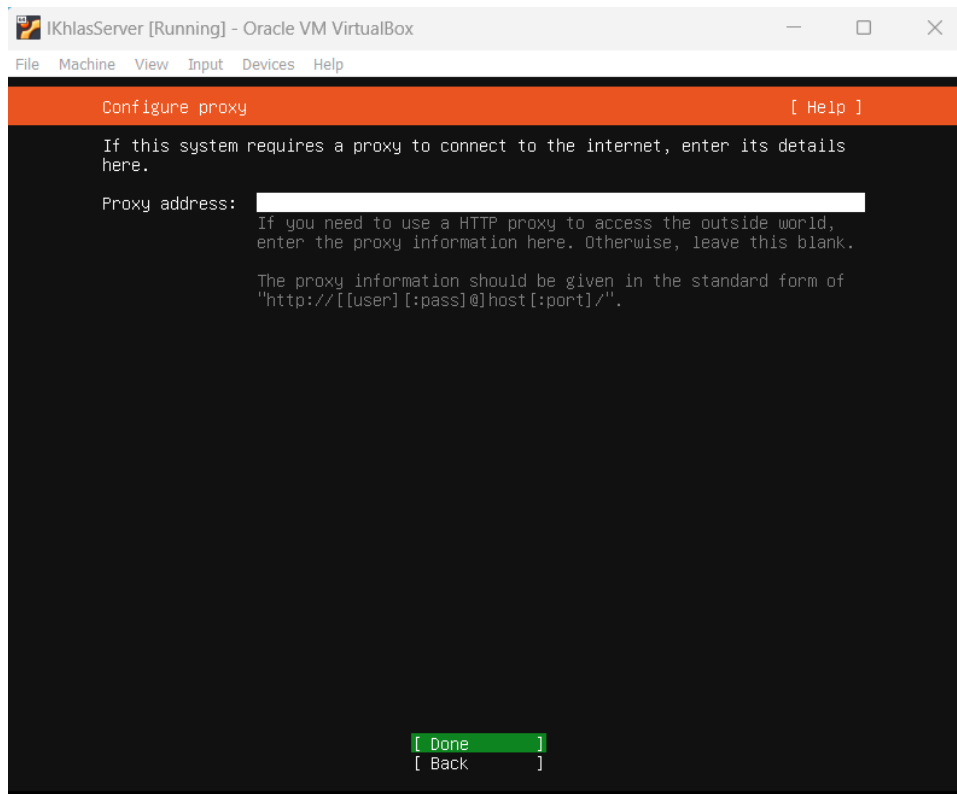
Help

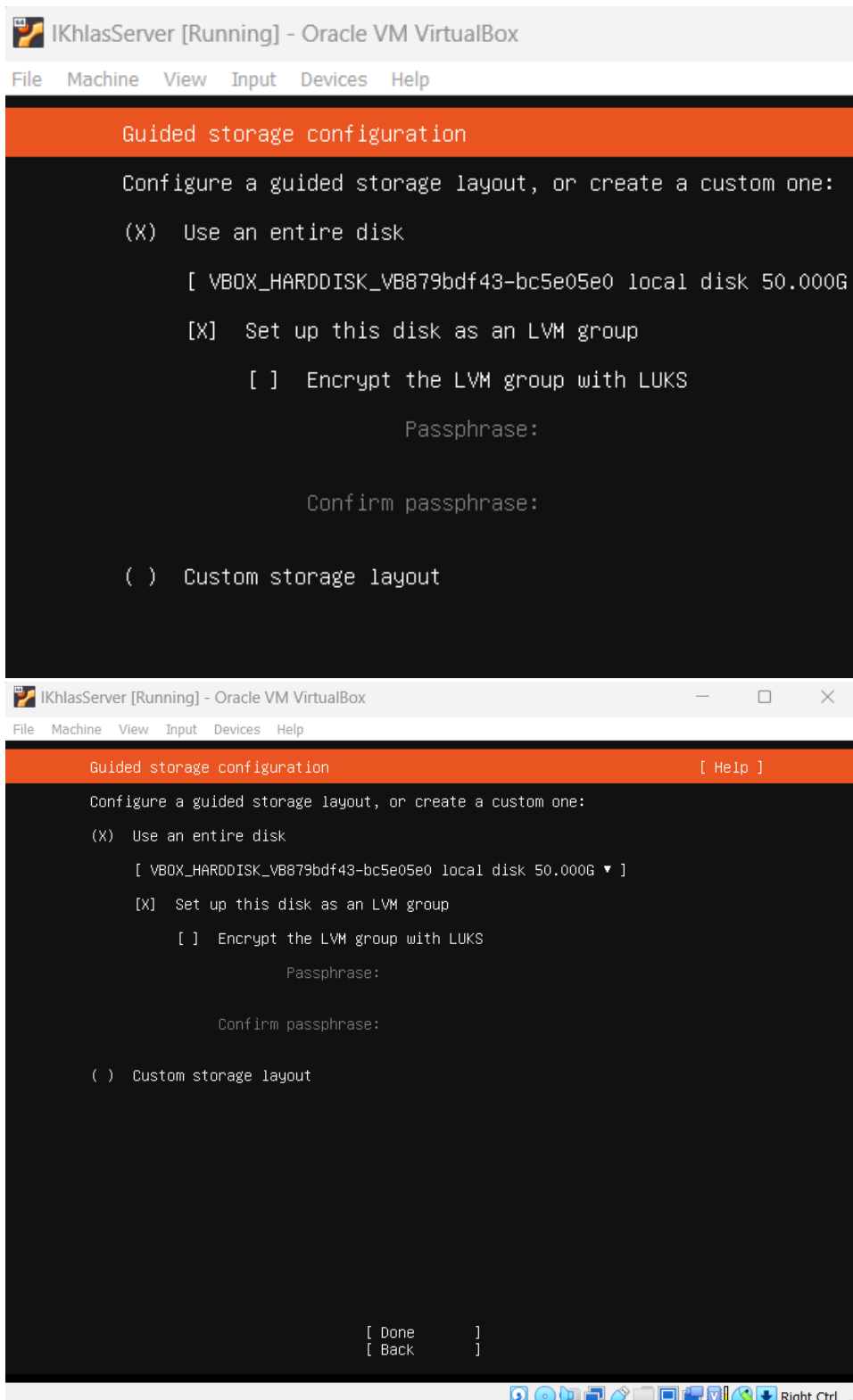


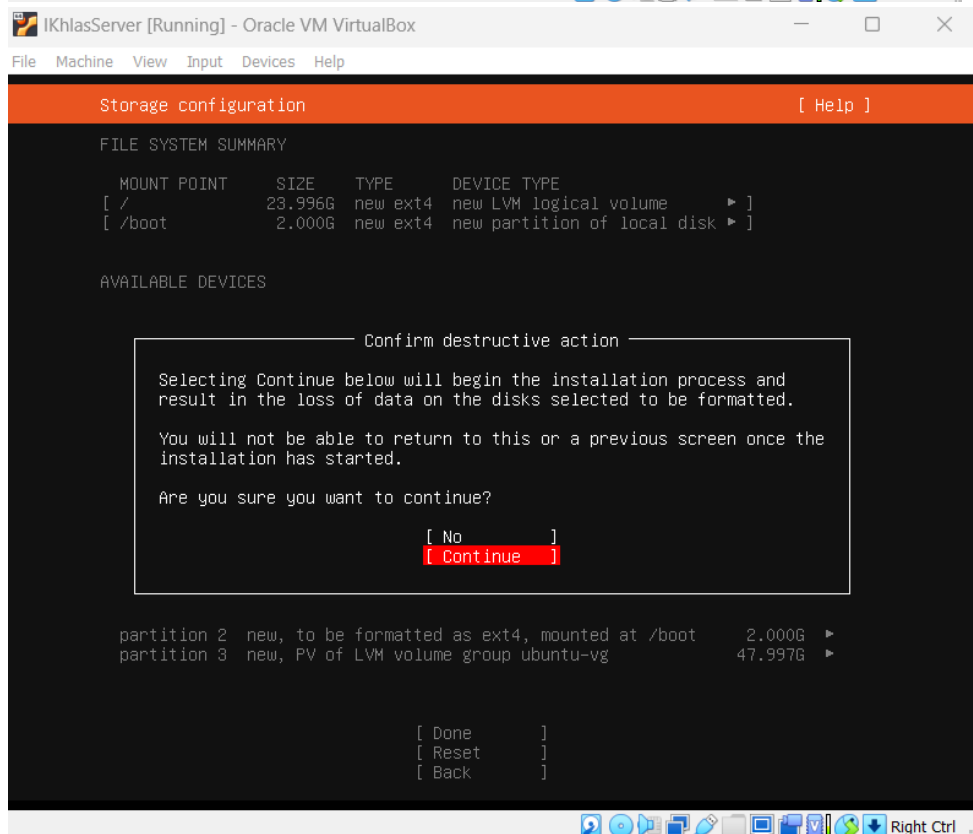
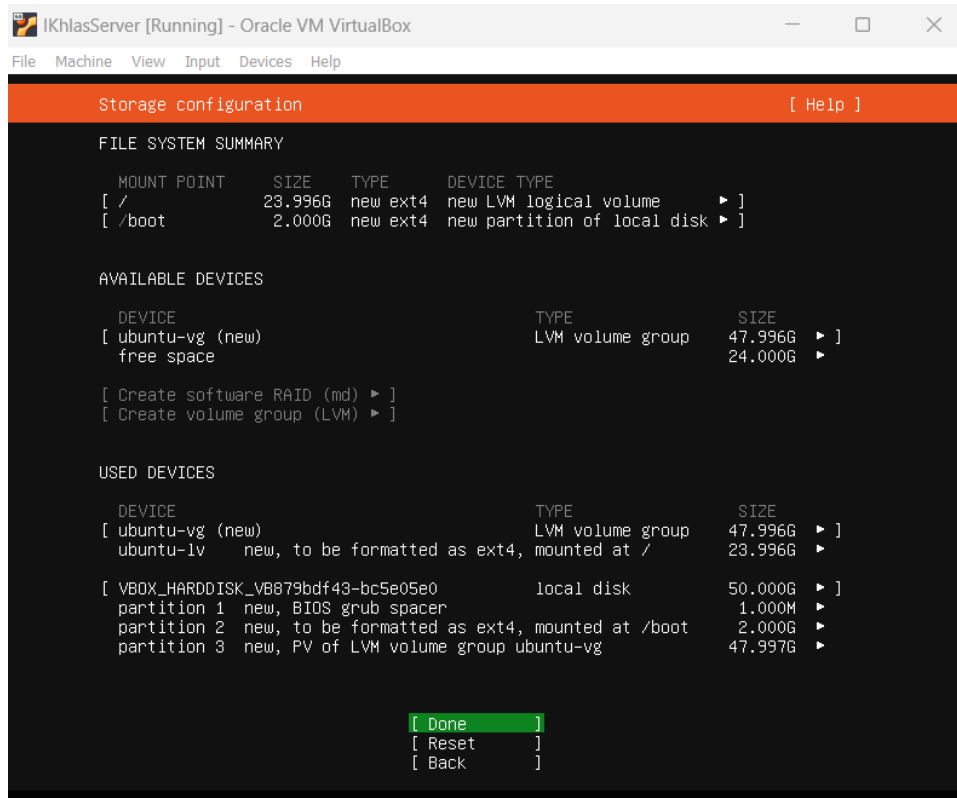


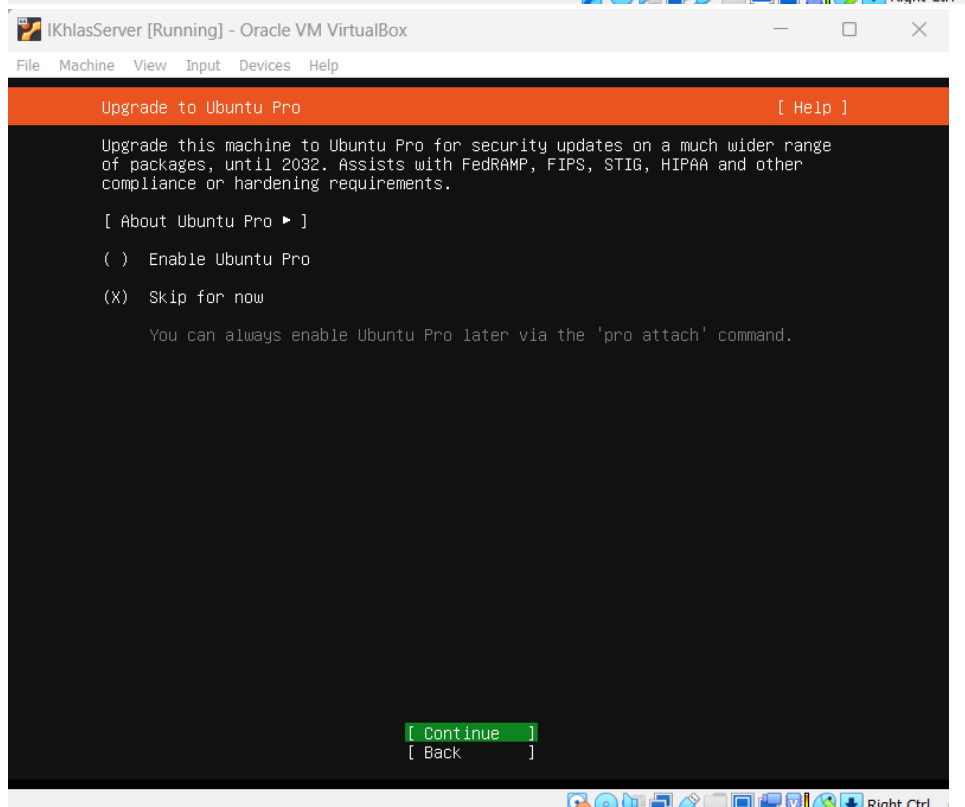
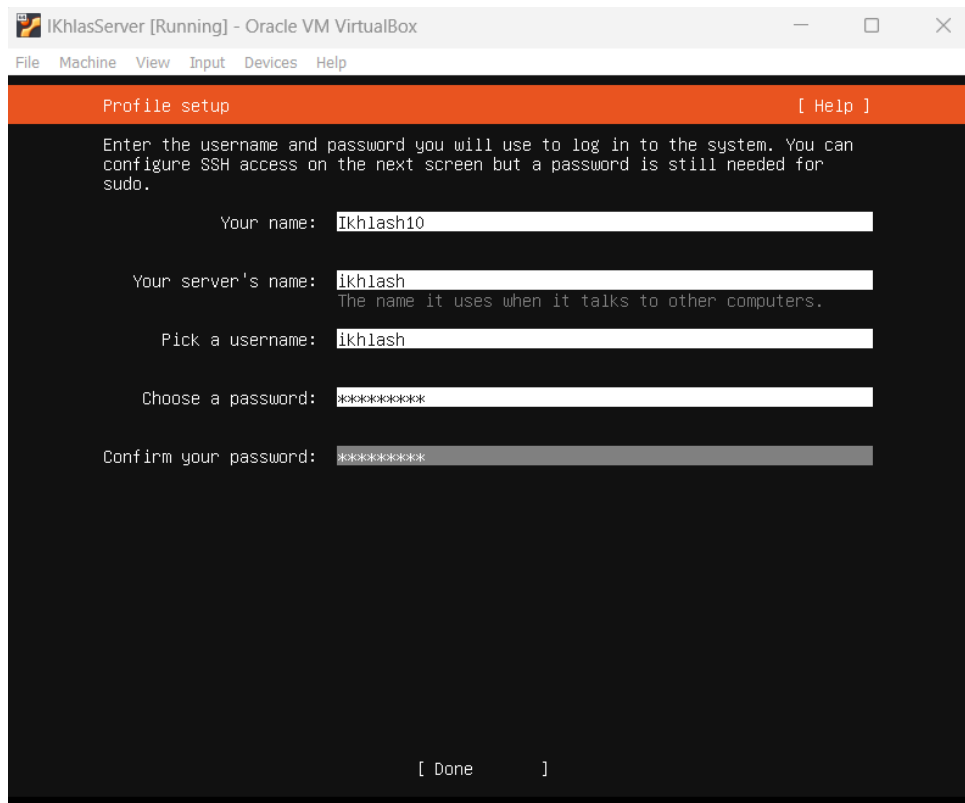


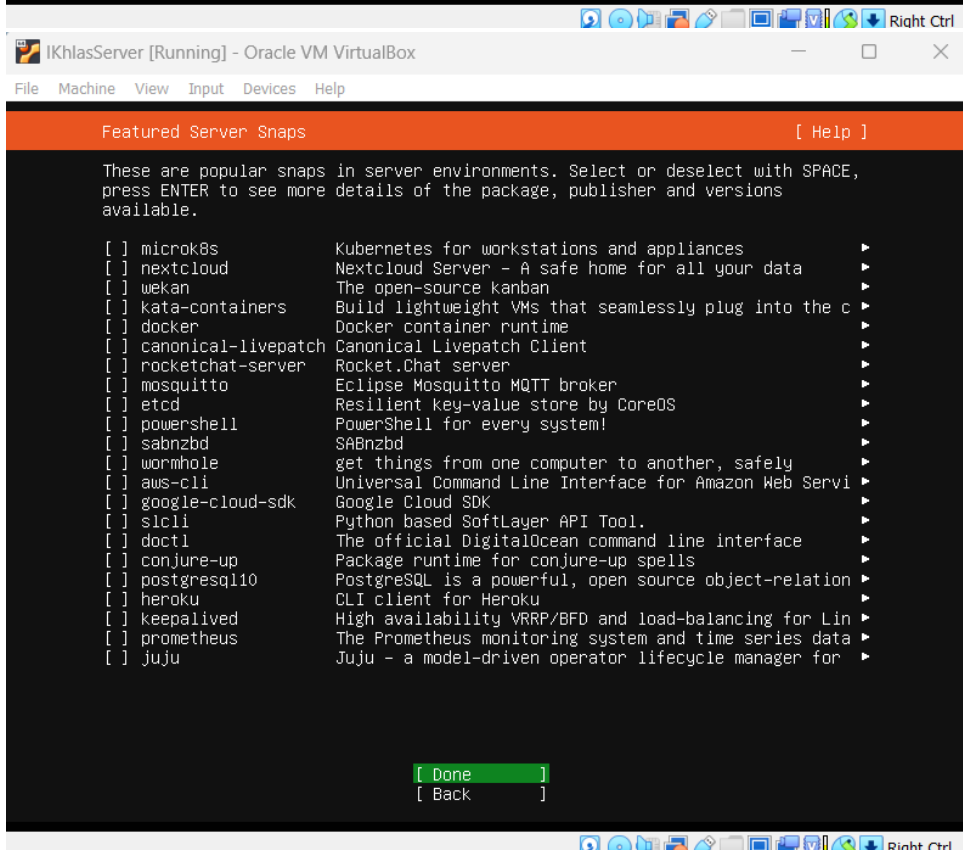
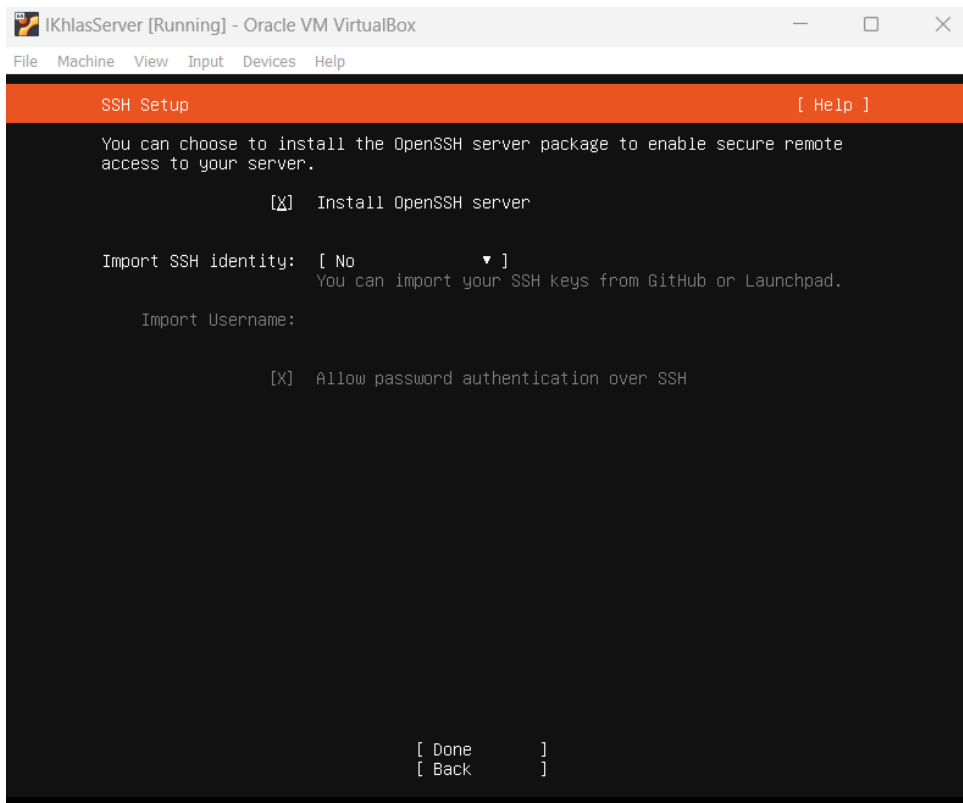


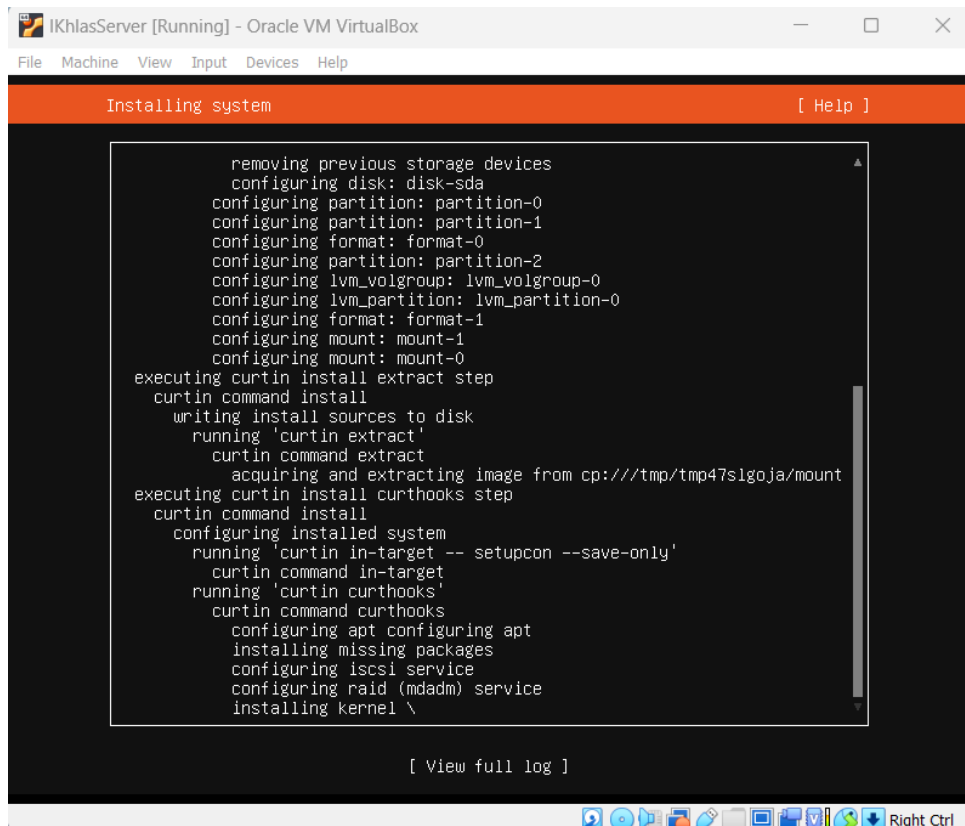




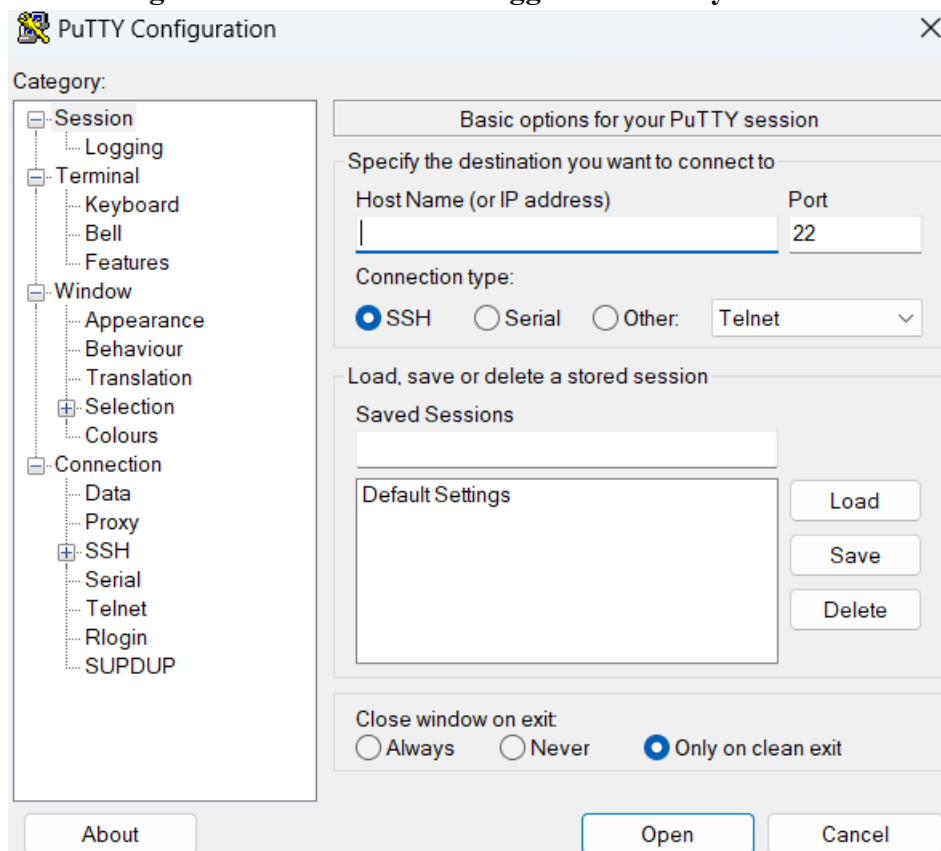








2. Masuk/Login ke Ubuntu Server menggunakan Putty SSH server



```
ikhlash@ikhlash:~$ ifconfig
enp0s3: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500
    inet 192.168.10.30 netmask 255.255.255.0 broadcast 192.168.10.255
    inet6 fe80::a00:27ff:fea0:96c6 prefixlen 64 scopeid 0x20<link>
    ether 08:00:27:a0:96:c6 txqueuelen 1000 (Ethernet)
    RX packets 142587 bytes 163163438 (163.1 MB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 103156 bytes 49373802 (49.3 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 2548 bytes 266642 (266.6 KB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 2548 bytes 266642 (266.6 KB)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

ikhlash@ikhlash:~$
```

Specify the destination you want to connect to

Host Name (or IP address)	Port
192.168.10.33	22

Connection type:

☒ SSH ☐ Serial ☐ Other: Telnet

```
ikhlash@ikhlash: ~
login as: ikhlah
ikhlah@192.168.10.30'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 Sun Oct 29 07:44:58 AM UTC 2023

System load:  0.00634765625      Processes:    108
Usage of /:   41.8% of 18.53GB   Users logged in: 1
Memory usage: 17%               IPv4 address for enp0s3: 192.168.10.30
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 for Applications is not enabled.

38 updates can be applied immediately.
7 of these updates are standard security updates.
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

Last login: Sat Oct 28 18:21:26 2023 from 192.168.10.13
ikhlah@ikhlah:~$
```

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

```
ikhlash@ikhlash: ~  
ikhlash@ikhlash:~$ sudo apt update  
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]  
Get:5 http://id.archive.ubuntu.com/ubuntu jammy-updates/main amd64 Packages [1,104 kB]  
Get:6 http://id.archive.ubuntu.com/ubuntu jammy-updates/universe amd64 Packages [995 kB]  
Fetched 2,437 kB in 31s (79.8 kB/s)  
Reading package lists... Done  
Building dependency tree... Done  
Reading state information... Done  
38 packages can be upgraded. Run 'apt list --upgradable' to see them.  
ikhlash@ikhlash:~$ sudo apt install apache2  
Reading package lists... Done  
Building dependency tree... Done  
Reading state information... Done  
apache2 is already the newest version (2.4.52-1ubuntu4.6).  
0 upgraded, 0 newly installed, 0 to remove and 38 not upgraded.  
ikhlash@ikhlash:~$ sudo systemctl status apache2  
● apache2.service - The Apache HTTP Server  
   Loaded: loaded (/lib/systemd/system/apache2.service; enabled; vendor prese  
   Active: active (running) since Sun 2023-10-29 07:46:05 UTC; 2min 32s ago  
     Docs: https://httpd.apache.org/docs/2.4/  
   Process: 12689 ExecStart=/usr/sbin/apachectl start (code=exited, status=0/S  
 Main PID: 12693 (apache2)  
    Tasks: 11 (limit: 4854)  
  Memory: 78.5M  
     CPU: 1.005s  
   CGroup: /system.slice/apache2.service  
           └─12693 /usr/sbin/apache2 -k start  
           └─12694 /usr/sbin/apache2 -k start  
           └─12695 /usr/sbin/apache2 -k start  
           └─12696 /usr/sbin/apache2 -k start  
           └─12697 /usr/sbin/apache2 -k start  
           └─12698 /usr/sbin/apache2 -k start  
           └─12700 /usr/sbin/apache2 -k start  
           └─12703 /usr/sbin/apache2 -k start  
           └─12704 /usr/sbin/apache2 -k start  
           └─12705 /usr/sbin/apache2 -k start  
           └─12706 /usr/sbin/apache2 -k start
```

```
ikhlash@ikhlash: ~  
lines 1-25/25 (END)  
ikhlash@ikhlash:~$ sudo mysql  
Welcome to the MySQL monitor.  Commands end with ; or \g.  
Your MySQL connection id is 1496  
Server version: 8.0.34-0ubuntu0.22.04.1 (Ubuntu)  
  
Copyright (c) 2000, 2023, Oracle and/or its affiliates.  
  
Oracle is a registered trademark of Oracle Corporation and/or its  
affiliates. Other names may be trademarks of their respective  
owners.  
  
Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.  
  
mysql> SHOW DATABASES;  
+-----+  
| Database |  
+-----+  
| ikhlash  |  
| information_schema |  
| mysql    |  
| performance_schema |  
| sys      |  
+-----+  
5 rows in set (0.00 sec)  
  
mysql>
```

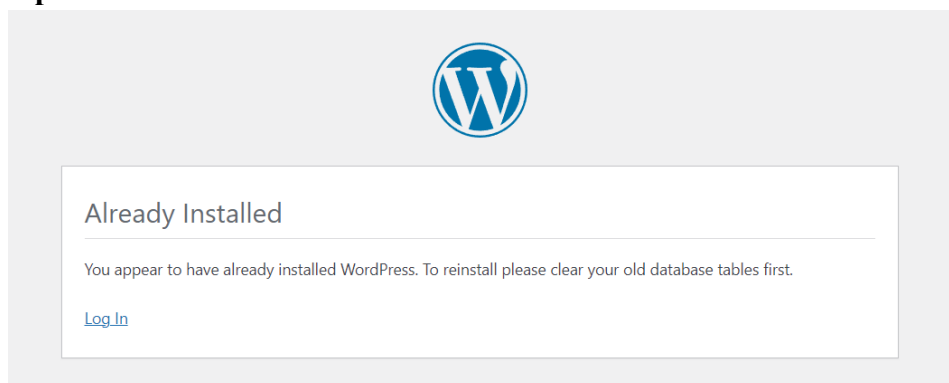
```
root@ikhlash: /var/www/html  
nano 4.2 /var/www/html/ikhlash/wp-config.php  
# wp-config.php  
# The base configuration for WordPress  
# The wp-config.php creation script uses this file during the installation.  
# You don't have to use the web site, you can copy this file to "wp-config.php"  
# and fill in the values.  
# This file contains the following configurations:  
# * Database settings  
# * Secret keys  
# * Database table prefix  
# * ABSPATH  
# Link https://wordpress.org/documentation/article/editing-wp-config-php/  
#package WordPress  
*/  
  
/* Database settings - You can get this info from your web host */  
/* The name of the database for WordPress */  
define( 'DB_NAME', 'ikhlash' );  
  
/* Database username */  
define( 'DB_USER', 'ikhlash' );  
  
/* Database password */  
define( 'DB_PASSWORD', 'ikhlashi0!' );  
  
/* Database hostname */  
define( 'DB_HOST', 'localhost' );  
  
/* Database charset to use in creating database tables. */  
define( 'DB_CHARSET', 'utf8' );  
  
/* The database collate type. Don't change this if in doubt. */  
define( 'DB_COLLATE', '' );  
  
/**  
 * Authentication unique keys and salts.  
 *  
 * Change these to different unique phrases! You can generate these using  
 * the (link https://api.wordpress.org/secret-key/1.1/salt/ WordPress.org secret-key service).  
 * You can change these at any point in time to invalidate all existing cookies.  
 * This will force all users to have to log in again.  
 *  
 * Since 2.6.0  
 */  
define( 'AUTH_KEY', 'put your unique phrase here' );  
  
Help Write Out Where Is Cut Execute Location Undo Set Mark To Bracket Previous Back  
Exit Read File Replace Paste Justify Go To Line Redo Copy Where Was Next Forward
```



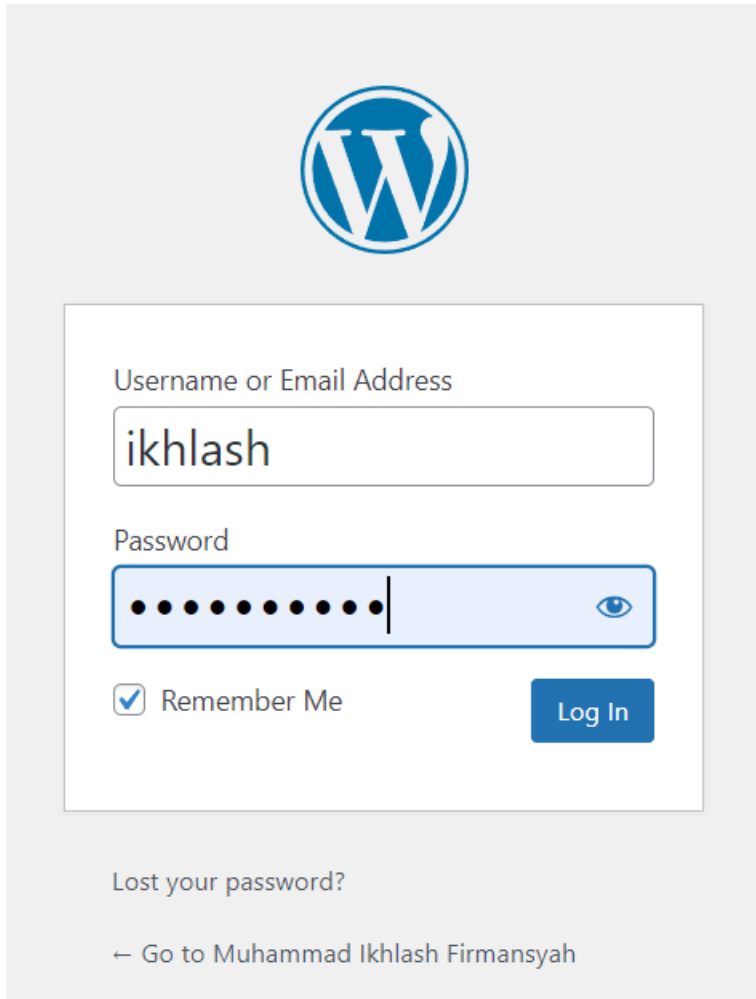
```
root@ikhlah: /var/www/html
GNU nano 6.2 /etc/apache2/sites-available/192.168.10.30.conf
VirtualHost *:80>
    ServerAdmin admin@192.168.10.30
    DocumentRoot /var/www/html/ikhlah
    ServerName 192.168.10.30
    ServerAlias 192.168.10.30
    <Directory /var/www/html/ikhlah10>
        Options FollowSymLinks
        AllowOverride All
        Require all granted
    </Directory>
    ErrorLog ${APACHE_LOG_DIR}/error.log
    CustomLog ${APACHE_LOG_DIR}/access.log combined
</VirtualHost>

[ Read 13 lines ]
^G Help      ^C Write Out ^W Where Is  ^K Cut       ^T Execute   ^C Location
^X Exit      ^R Read File ^\ Replace   ^U Paste     ^J Justify   ^_ Go To Line
```

Karena sebelum saya mengerjakan laporan saya sudah pernah menginstall, maka tampilan pada “<http://192.168.10.30/wp-admin/install.php>” berubah seperti ini



Langsung saja kita masuk ke Admin Page



The image shows the WordPress login interface. At the top center is the WordPress logo. Below it is a white login box with a light blue border. Inside the box, there is a label "Username or Email Address" above a text input field containing "ikhlash". Below that is a label "Password" above a password input field with a blue border and a blue eye icon on the right. Under the password field is a checkbox labeled "Remember Me" which is checked. To the right of the checkbox is a blue "Log In" button. Below the login box, there is a link "Lost your password?" and a link "← Go to Muhammad Ikhlah Firmansyah".

Username or Email Address

ikhlash

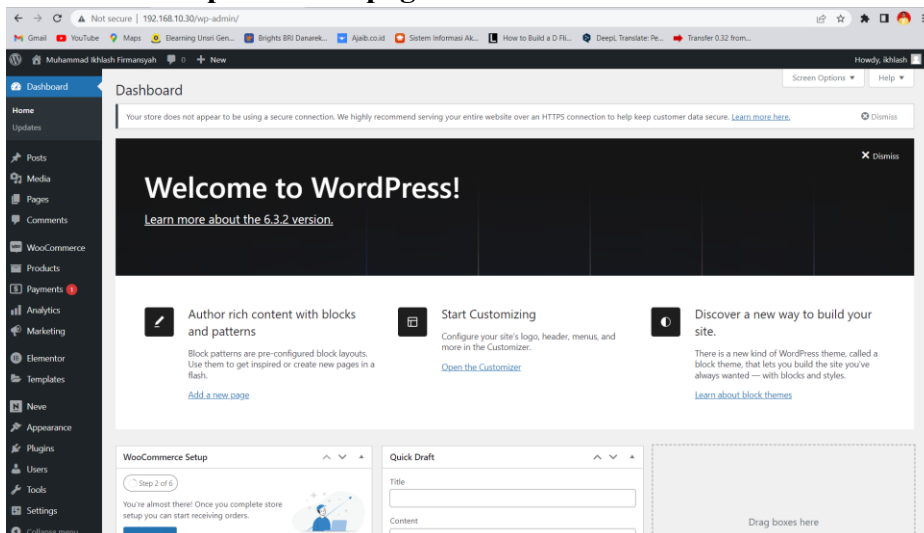
Password

☒ Remember Me [Log In](#)

[Lost your password?](#)

[← Go to Muhammad Ikhlah Firmansyah](#)

Ini adalah tampilan Homepage untuk Admin Server



The image shows the WordPress Admin Dashboard. At the top is a navigation bar with the WordPress logo and a "Howdy, ikhlash" greeting. Below the navigation bar is a sidebar with a menu of links: Dashboard, Home, Updates, Posts, Media, Pages, Comments, WooCommerce, Products, Payments, Analytics, Marketing, Elementor, Templates, New, Appearance, Plugins, Users, Tools, Settings, and Collapse menu. The main content area has a "Dashboard" header and a message about secure connections. Below this is a "Welcome to WordPress!" section with a link to "Learn more about the 6.3.2 version." and three cards: "Author rich content with blocks and patterns", "Start Customizing", and "Discover a new way to build your site." At the bottom, there are two sections: "WooCommerce Setup" and "Quick Draft".

Not secure | 192.168.10.30/wp-admin/

Howdy, ikhlash

Dashboard

Your store does not appear to be using a secure connection. We highly recommend serving your entire website over an HTTPS connection to help keep customer data secure. [Learn more here.](#)

Welcome to WordPress!

[Learn more about the 6.3.2 version.](#)

Author rich content with blocks and patterns
Block patterns are pre-configured block layouts. Use them to get inspired or create new pages in a flash.
[Add a new page](#)

Start Customizing
Configure your site's logo, header, menus, and more in the Customizer.
[Open the Customizer](#)

Discover a new way to build your site.
There is a new kind of WordPress theme, called a block theme, that lets you build the site you've always wanted — with blocks and styles.
[Learn about block themes](#)

WooCommerce Setup
Step 2 of 6
You're almost there! Once you complete store setup you can start receiving orders.
[Start selling](#)

Quick Draft
Title
Content
[What's new since you last saved?](#)

Drag boxes here

Ini adalah tampilan Halaman Web saya pada saat pengunjung masuk

