# IT 123 – SYSTEM ADMINISTRATION AND MAINTENANCE

Week 2 Laboratory

## Installing and Configuring Windows & Linux Virtual Machines in VirtualBox


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SUBMITTED TO:

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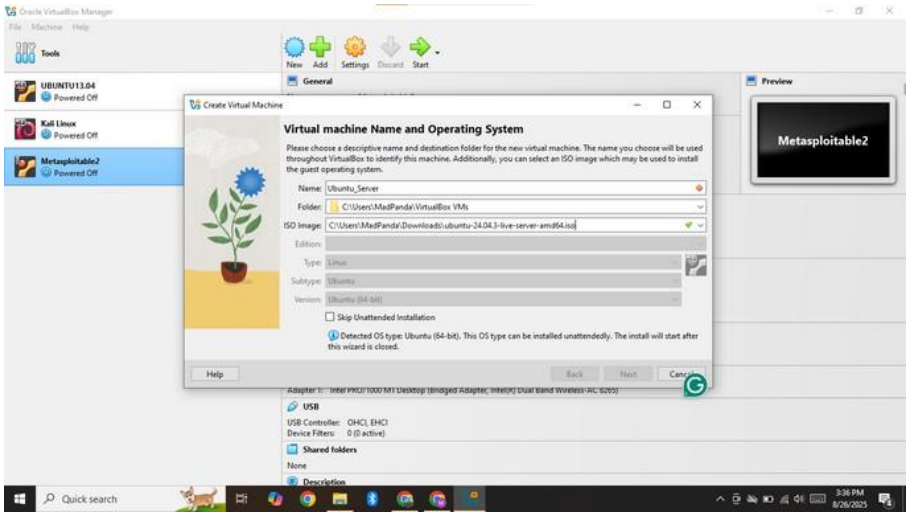
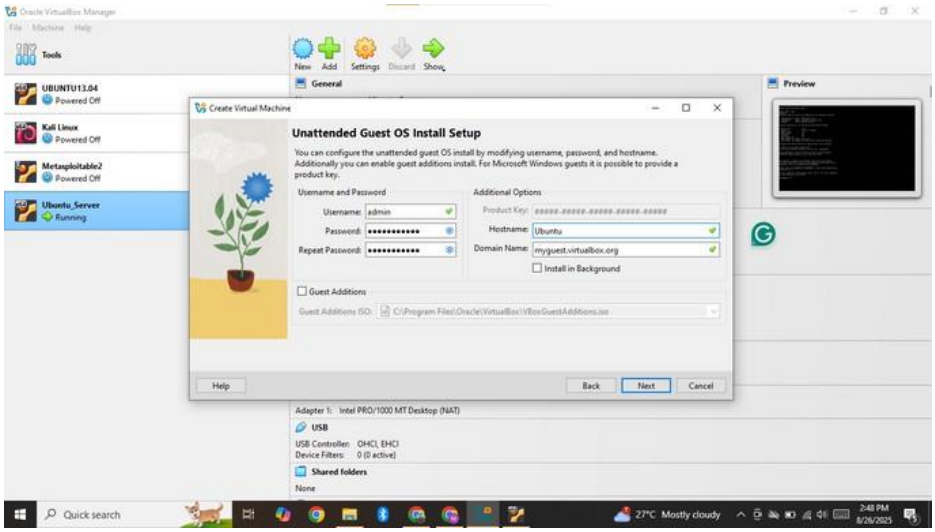
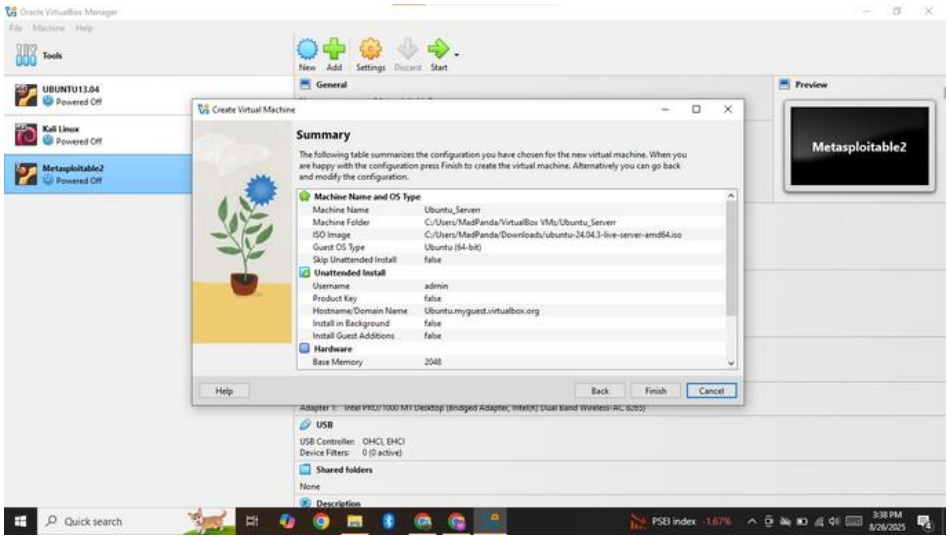
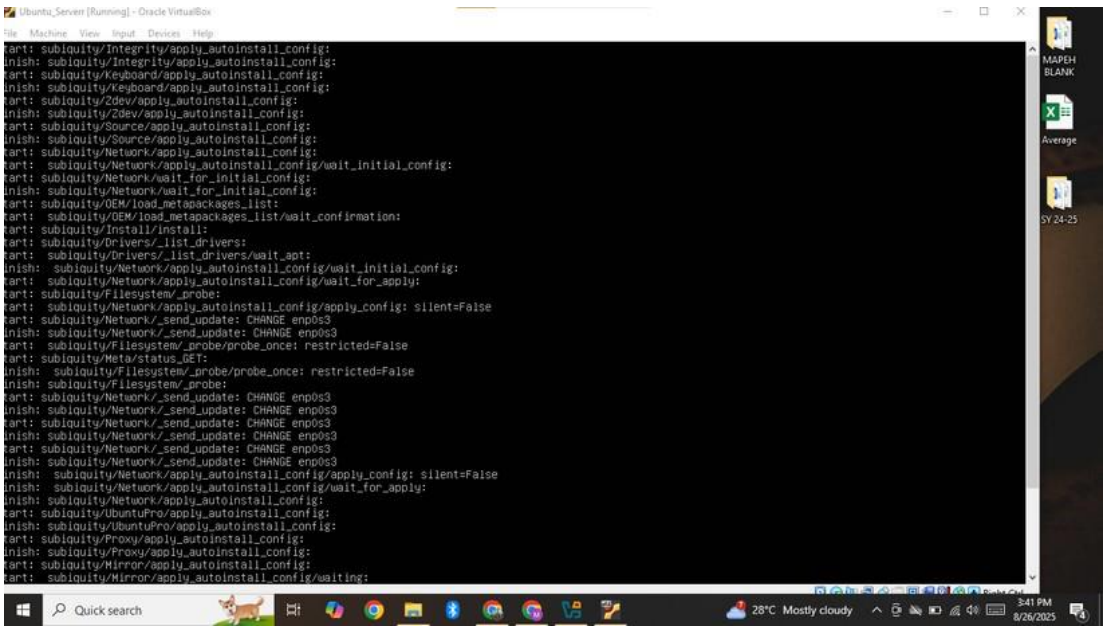
Professor

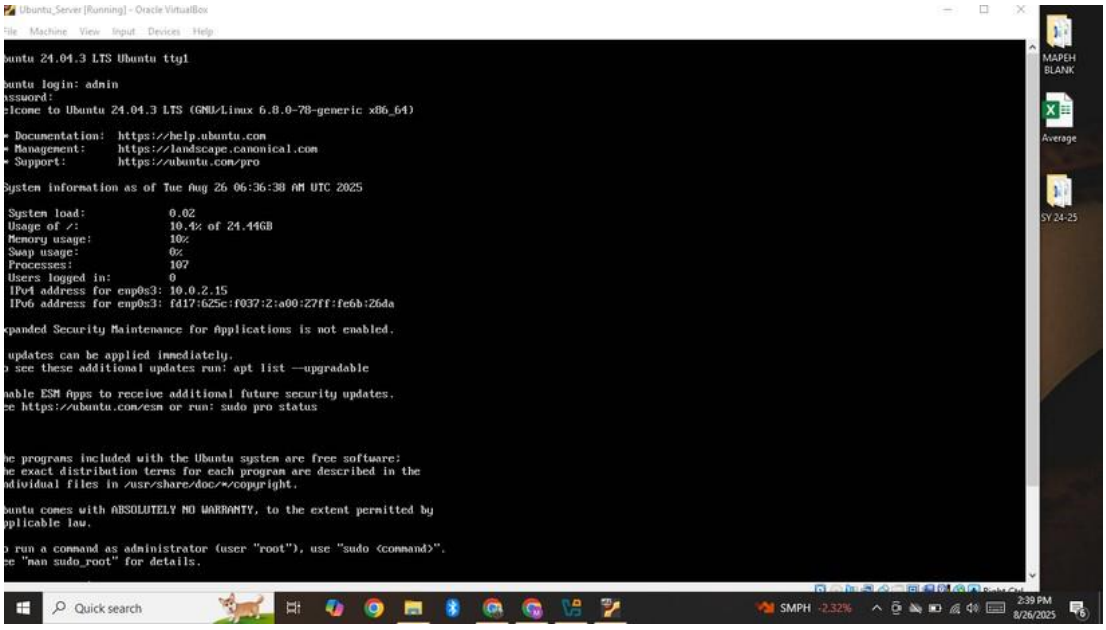
# UBUNTU SERVER


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: Ubuntu_Server
Folder: C:\Users\MadPanda\VirtualBox VMs
ISO Image: C:\Users\MadPanda\Downloads\ubuntu-24.04.3-live-server-amd64.iso
Edition:
Type: Linux
Subtype: Ubuntu
Version: Ubuntu (64-bit)
Skip Unattended Installation
Detected OS type: Ubuntu (64-bit). This OS type can be installed unattendedly. The install will start after this wizard is closed.
Help
Back
Next
Cancel
Tools
UBUNTU13.04
Powered Off
Kali Linux
Powered Off
Metasploitable2
Powered Off
New
Add
Settings
Discard
Start
General
Preview
Metasploitable2
USB
USB Controller: OHCI, EHCI
Device Filters: 0 (0 active)
Shared folders
None
Description
Quick search
3:36 PM
8/26/2025

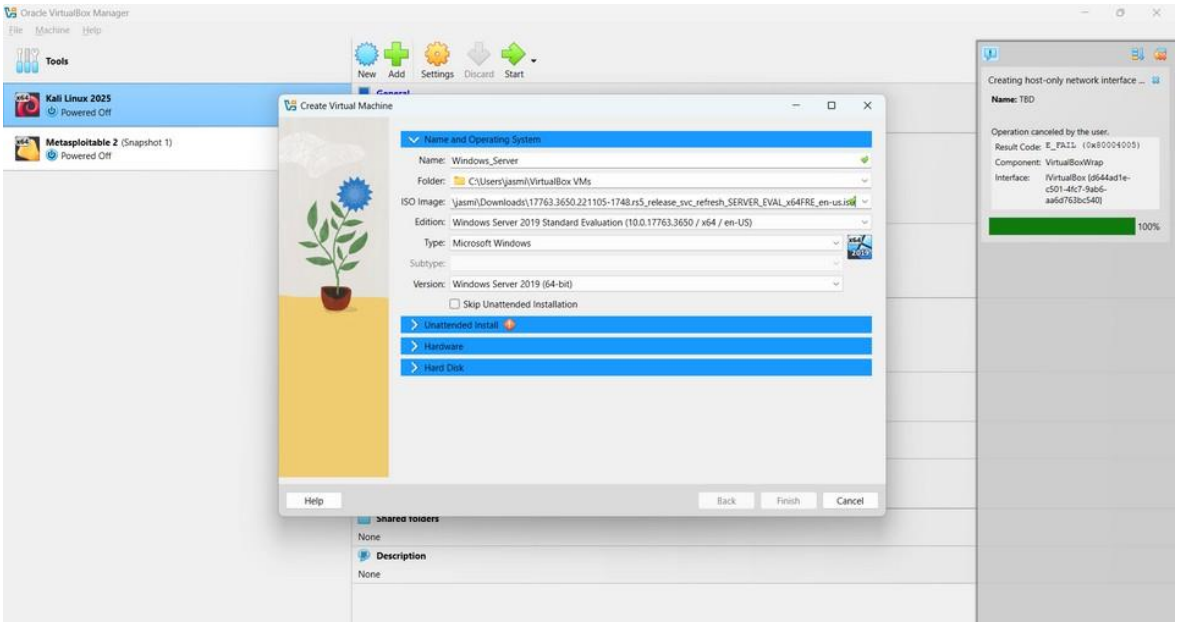

Create Virtual Machine
Unattended Guest OS Install Setup
You can configure the unattended guest OS install by modifying username, password, and hostname. Additionally you can enable guest additions install. For Microsoft Windows guests it is possible to provide a product key.
Username and Password
Username: admin
Password:
Repeat Password:
Additional Options
Product Key:
Hostname: Ubuntu
Domain Name: myguest.virtualbox.org
Install in Background
Guest Additions
Guest Additions ISO: C:\Program Files\Oracle\VirtualBox\VBoxGuestAdditions.iso
Help
Back
Next
Cancel
Tools
UBUNTU13.04
Powered Off
Kali Linux
Powered Off
Metasploitable2
Powered Off
Ubuntu_Server
Running
New
Add
Settings
Discard
Show
General
Preview
Adapter 1: Intel PRO/1000 MT Desktop (NAT)
USB
USB Controller: OHCI, EHCI
Device Filters: 0 (0 active)
Shared folders
None
Quick search
27°C Mostly cloudy
2:48 PM
8/26/2025

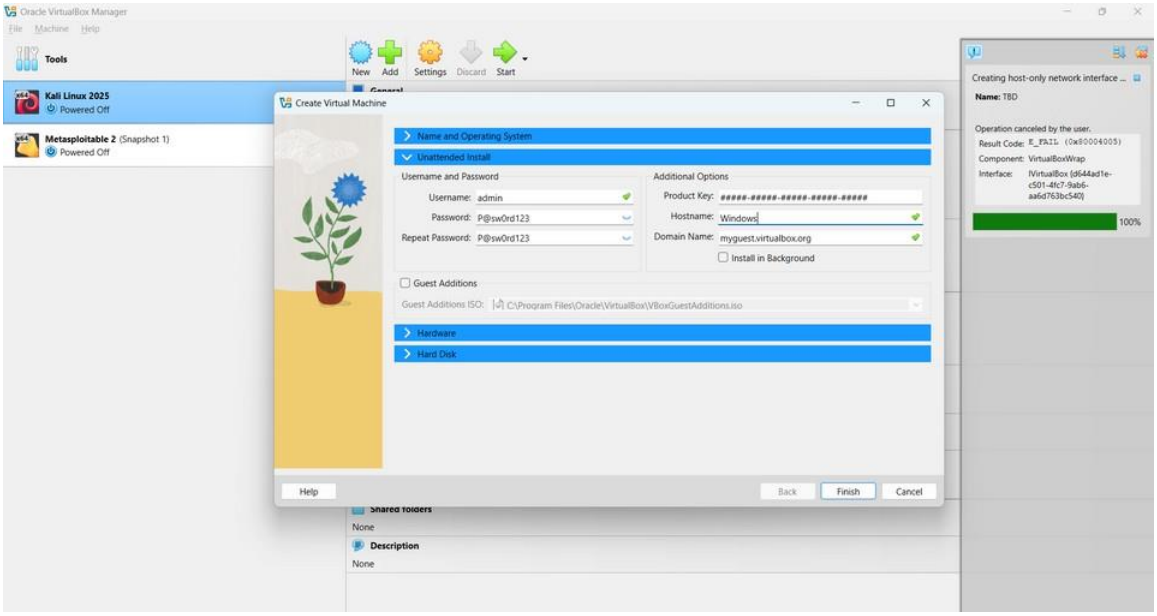

Create Virtual Machine
Summary
The following table summarizes the configuration you have chosen for the new virtual machine. When you are happy with the configuration press Finish to create the virtual machine. Alternatively you can go back and modify the configuration.
Machine Name and OS Type
Machine Name: Ubuntu_Server
Machine Folder: C:/Users/MadPanda/VirtualBox VMs/Ubuntu_Server
ISO Image: C:/Users/MadPanda/Downloads/ubuntu-24.04.3-live-server-amd64.iso
Guest OS Type: Ubuntu (64-bit)
Skip Unattended Install: false
Unattended Install
Username: admin
Product Key: false
Hostname/Domain Name: Ubuntu.myguest.virtualbox.org
Install in Background: false
Install Guest Additions: false
Hardware
Base Memory: 2048
Help
Back
Finish
Cancel
Tools
UBUNTU13.04
Powered Off
Kali Linux
Powered Off
Metasploitable2
Powered Off
New
Add
Settings
Discard
Start
General
Preview
Metasploitable2
USB
USB Controller: OHCI, EHCI
Device Filters: 0 (0 active)
Shared folders
None
Description
Quick search
PSEI index -1.67%
3:38 PM
8/26/2025

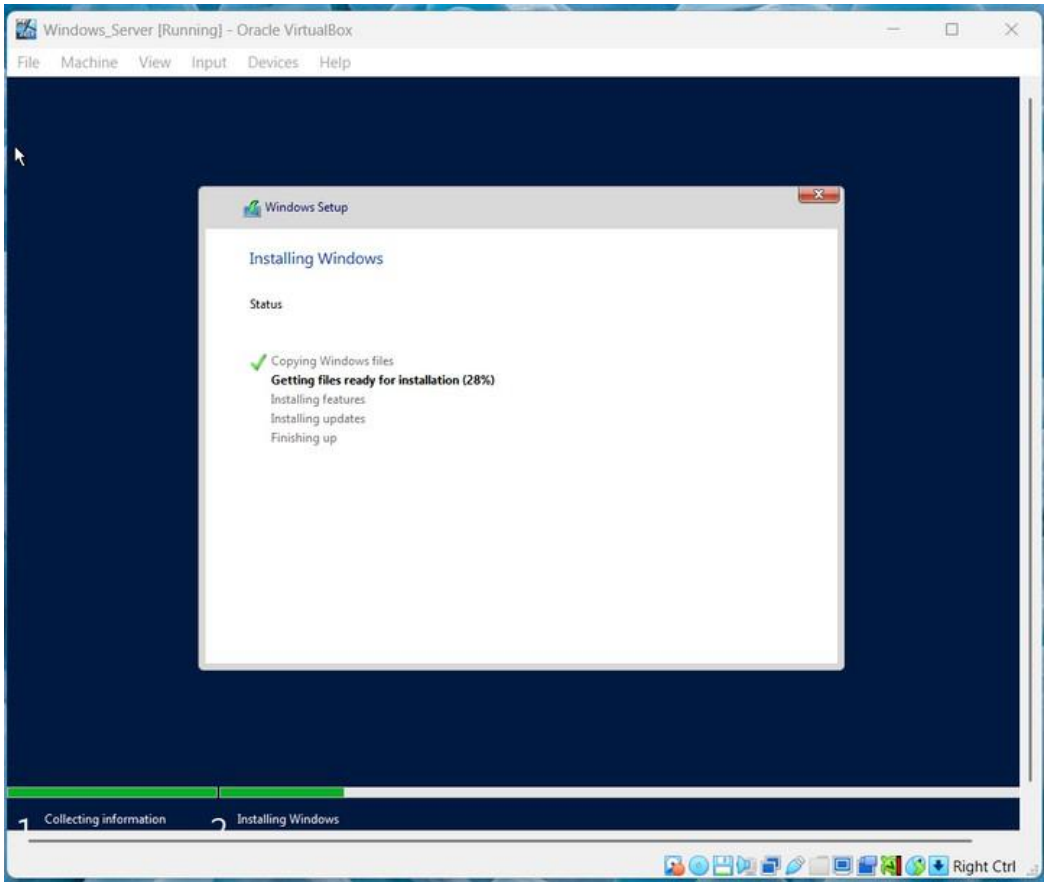

Ubuntu_Server [Running] - Oracle VirtualBox
File Machine View Input Devices Help
tart: subiquity/Integrity/apply_autoinstall_config:
inish: subiquity/Integrity/apply_autoinstall_config:
tart: subiquity/Keyboard/apply_autoinstall_config:
inish: subiquity/Keyboard/apply_autoinstall_config:
tart: subiquity/Zdev/apply_autoinstall_config:
inish: subiquity/Zdev/apply_autoinstall_config:
tart: subiquity/Source/apply_autoinstall_config:
inish: subiquity/Source/apply_autoinstall_config:
tart: subiquity/Network/apply_autoinstall_config:
tart: subiquity/Network/apply_autoinstall_config/wait_initial_config:
tart: subiquity/Network/wait_for_initial_config:
inish: subiquity/Network/wait_for_initial_config:
tart: subiquity/OEM/load_metapackages_list:
tart: subiquity/OEM/load_metapackages_list/wait_confirmation:
tart: subiquity/Install/install:
tart: subiquity/Drivers/_list_drivers:
tart: subiquity/Drivers/_list_drivers/wait_apt:
inish: subiquity/Network/apply_autoinstall_config/wait_initial_config:
tart: subiquity/Network/apply_autoinstall_config/wait_for_apply:
tart: subiquity/Filesystem/_probe:
tart: subiquity/Network/apply_autoinstall_config/apply_config: silent=False
tart: subiquity/Network/_send_update: CHANGE enp0s3
inish: subiquity/Network/_send_update: CHANGE enp0s3
tart: subiquity/Filesystem/_probe/probe_once: restricted=False
tart: subiquity/Meta/status_GET:
inish: subiquity/Filesystem/_probe/probe_once: restricted=False
inish: subiquity/Filesystem/_probe:
tart: subiquity/Network/_send_update: CHANGE enp0s3
inish: subiquity/Network/_send_update: CHANGE enp0s3
tart: subiquity/Network/_send_update: CHANGE enp0s3
inish: subiquity/Network/_send_update: CHANGE enp0s3
tart: subiquity/Network/_send_update: CHANGE enp0s3
inish: subiquity/Network/_send_update: CHANGE enp0s3
inish: subiquity/Network/apply_autoinstall_config/apply_config: silent=False
inish: subiquity/Network/apply_autoinstall_config/wait_for_apply:
inish: subiquity/Network/apply_autoinstall_config:
tart: subiquity/UbuntuPro/apply_autoinstall_config:
inish: subiquity/UbuntuPro/apply_autoinstall_config:
tart: subiquity/Proxy/apply_autoinstall_config:
inish: subiquity/Proxy/apply_autoinstall_config:
tart: subiquity/Mirror/apply_autoinstall_config:
tart: subiquity/Mirror/apply_autoinstall_config/waiting:
Quick search
28°C Mostly cloudy
3:41 PM
8/26/2025
MAPEH BLANK
Average
SY 24-25

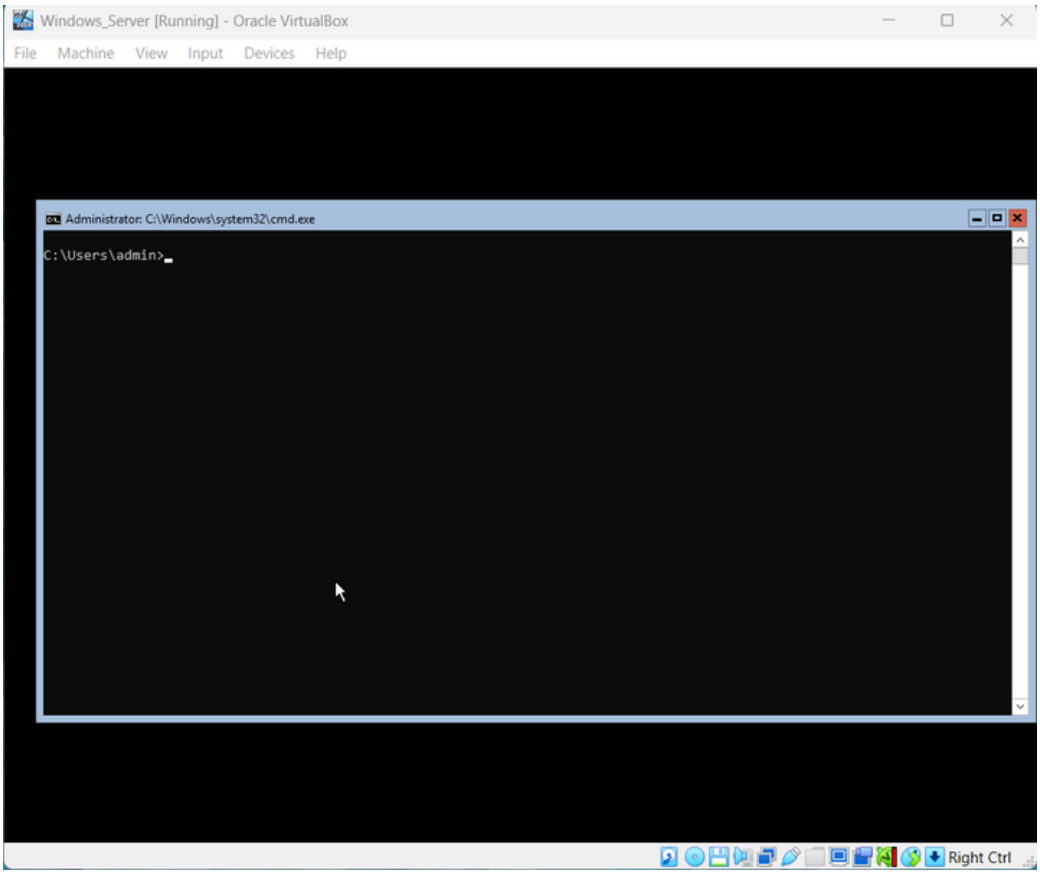

Ubuntu_Server [Running] - Oracle VirtualBox
File Machine View Input Devices Help
buntu 24.04.3 LTS Ubuntu tty1
buntu login: admin
assword:
elcome to Ubuntu 24.04.3 LTS (GNU/Linux 6.8.0-78-generic x86_64)
* Documentation: https://help.ubuntu.com
* Management: https://landscape.canonical.com
* Support: https://ubuntu.com/pro
System information as of Tue Aug 26 06:36:38 AM UTC 2025
System load: 0.02
Usage of /: 10.4% of 24.44GB
Memory usage: 10%
Swap usage: 0%
Processes: 107
Users logged in: 0
IPv4 address for enp0s3: 10.0.2.15
IPv6 address for enp0s3: fd17:625c:f037:2:a00:27ff:fe6b:26da
xpanded Security Maintenance for Applications is not enabled.
updates can be applied immediately.
o see these additional updates run: apt list --upgradable
nable ESM Apps to receive additional future security updates.
ee https://ubuntu.com/esm or run: sudo pro status
he programs included with the Ubuntu system are free software;
he exact distribution terms for each program are described in the
dividual files in /usr/share/doc/*/copyright.
buntu comes with ABSOLUTELY NO WARRANTY, to the extent permitted by
pplicable law.
o run a command as administrator (user "root"), use "sudo <command>".
ee "man sudo_root" for details.
Quick search
SMPH -2.32%
2:39 PM
8/26/2025
MAPEH BLANK
Average
SY 24-25

# WINDOWS SERVER


Oracle VirtualBox Manager
File Machine Help
Tools
Kali Linux 2025
Powered Off
Metasploitable 2 (Snapshot 1)
Powered Off
New Add Settings Discard Start
Create Virtual Machine
Name and Operating System
Name: Windows_Server
Folder: C:\Users\jasmi\VirtualBox VMs
ISO Image: \jasmi\Downloads\17763.3650.221105-1748.rs5_release_svc_refresh_SERVER_EVAL_x64FRE_en-us.iso
Edition: Windows Server 2019 Standard Evaluation (10.0.17763.3650 / x64 / en-US)
Type: Microsoft Windows
Subtype:
Version: Windows Server 2019 (64-bit)
Skip Unattended Installation
Unattended Install
Hardware
Hard Disk
Help
Back
Finish
Cancel
Creating host-only network interface ...
Name: TBD
Operation canceled by the user.
Result Code: E_FAIL (0x80004005)
Component: VirtualBoxWrap
Interface: IVirtualBox {d644ad1e-c501-4fc7-9ab6-aa6d763bc540}
100%
None
Description
None


Oracle VirtualBox Manager
File Machine Help
Tools
Kali Linux 2025
Powered Off
Metasploitable 2 (Snapshot 1)
Powered Off
New Add Settings Discard Start
Create Virtual Machine
Name and Operating System
Unattended Install
Username and Password
Username: admin
Password: P@sw0rd123
Repeat Password: P@sw0rd123
Additional Options
Product Key: #####-#####-#####-#####-#####
Hostname: Windows
Domain Name: myguest.virtualbox.org
Install in Background
Guest Additions
Guest Additions ISO: C:\Program Files\Oracle\VirtualBox\VBoxGuestAdditions.iso
Hardware
Hard Disk
Help
Back
Finish
Cancel
Creating host-only network interface ...
Name: TBD
Operation canceled by the user.
Result Code: E_FAIL (0x80004005)
Component: VirtualBoxWrap
Interface: IVirtualBox {d644ad1e-c501-4fc7-9ab6-aa6d763bc540}
100%
None
Description
None


Windows_Server [Running] - Oracle VirtualBox
File Machine View Input Devices Help
Windows Setup
Installing Windows
Status
Copying Windows files
Getting files ready for installation (28%)
Installing features
Installing updates
Finishing up
1 Collecting information
2 Installing Windows
Right Ctrl


Windows_Server [Running] - Oracle VirtualBox
File Machine View Input Devices Help
Administrator: C:\Windows\system32\cmd.exe
C:\Users\admin>
Right Ctrl