

Server Specifications

New

Add

Settings

Discard

Show

General

System

Display

Storage

Audio

Network

USB

Shared folders

Description

Preview

Name:

Ubuntu Server

Operating System:

Ubuntu (64-bit)

Base Memory:

2048 MB

Processors:

2

Boot Order:

Optical, Hard Disk

Acceleration:

Nested Paging, KVM
Paravirtualization

Video Memory:

128 MB

Graphics Controller:

VMSVGA

Remote Desktop Server:

Disabled

Recording:

Disabled

Controller:

IDE

IDE Secondary Device 0:

[Optical Drive] Empty

Controller:

SATA

SATA Port 0:

Ubuntu Server.vdi (Normal, 10.00 GB)

Disabled

Adapter 1:

Intel PRO/1000 MT Desktop (NAT)

USB Controller:

OHCI, EHCI

Device Filters:

0 (0 active)

None

Hostname:

webserver

User:

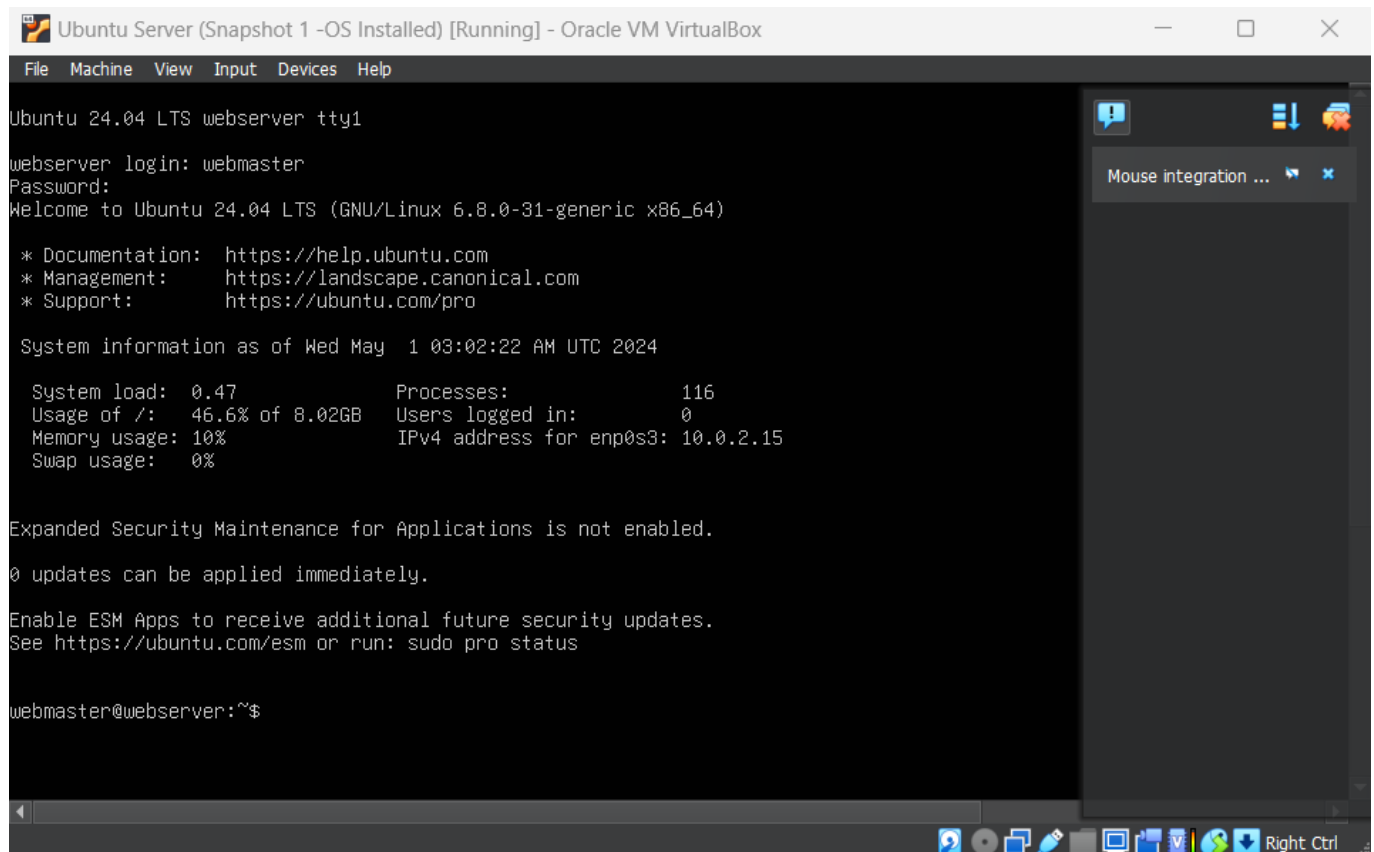
webmaster

password:

pccc

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Ubuntu Login



```
Ubuntu Server (Snapshot 1 -OS Installed) [Running] - Oracle VM VirtualBox
File Machine View Input Devices Help
Ubuntu 24.04 LTS webserver tty1
webserver login: webmaster
Password:
Welcome to Ubuntu 24.04 LTS (GNU/Linux 6.8.0-31-generic x86_64)

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

System information as of Wed May  1 03:02:22 AM UTC 2024

System load:  0.47           Processes:            116
Usage of /:   46.6% of 8.02GB Users logged in:          0
Memory usage: 10%           IPv4 address for enp0s3: 10.0.2.15
Swap usage:   0%

Expanded Security Maintenance for Applications is not enabled.
0 updates can be applied immediately.

Enable ESM Apps to receive additional future security updates.
See https://ubuntu.com/esm or run: sudo pro status

webmaster@webserver:~$
```

Questions

- What is the IP address of your Ubuntu Server Virtual Machine?
 - 10.0.2.15
- How do you enable the Ubuntu Firewall?
 - `sudo ufw enable`
- How do you check if the Ubuntu Firewall is running?
 - `sudo ufw status`
- How do you disable the Ubuntu Firewall?
 - `sudo ufw disable`
- How do you add Apache to the Firewall?
 - `sudo ufw allow 'Apache'`
- What is the command you used to install Apache?
 - `sudo apt install apache2 -y`
- What is the command you use to check if Apache is running?
 - `systemctl status apache2 --no-pager`

- What is the command you use to stop Apache?
 - `systemctl stop apache2 --no-pager`
- What is the command you use to restart Apache?
 - `systemctl restart apache2`
- What is the command used to test Apache configuration?
 - `sudo apache2ctl configtest`
- What is the command used to check the installed version of Apache?
 - `sudo apachectl -V`
- What are the most common commands to troubleshoot Apache errors? Provide a brief description of each command.
 - `sudo service apache2 restart`: Restarts the server
 - `apachectl configtest`: Checks the syntax and the validity of the configuration file
- Which are Apache Log Files, and what are they used for? Provide examples and screenshots.
 - The Apache log files are used to see requests from other computers, responses sent by Apache, and actions internal to the Apache server.

```
webmaster@webserver:~$ cat /var/log/apache2/access.log
10.0.2.2 - - [01/May/2024:03:06:38 +0000] "GET / HTTP/1.1" 200 3460 "-" "Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/124.0.0.0 Safari/537.36"
10.0.2.2 - - [01/May/2024:03:06:38 +0000] "GET /icons/ubuntu-logo.png HTTP/1.1" 200 3607 "http://127.0.0.1:8080/" "Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/124.0.0.0 Safari/537.36"
10.0.2.2 - - [01/May/2024:03:06:38 +0000] "GET /favicon.ico HTTP/1.1" 404 489 "http://127.0.0.1:8080/" "Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/124.0.0.0 Safari/537.36"
10.0.2.2 - - [01/May/2024:03:07:29 +0000] "-" 408 0 "-" "-"
10.0.2.2 - - [01/May/2024:03:13:29 +0000] "GET / HTTP/1.1" 200 450 "-" "Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/124.0.0.0 Safari/537.36"
10.0.2.2 - - [01/May/2024:03:14:21 +0000] "-" 408 0 "-" "-"
webmaster@webserver:~$ |
```