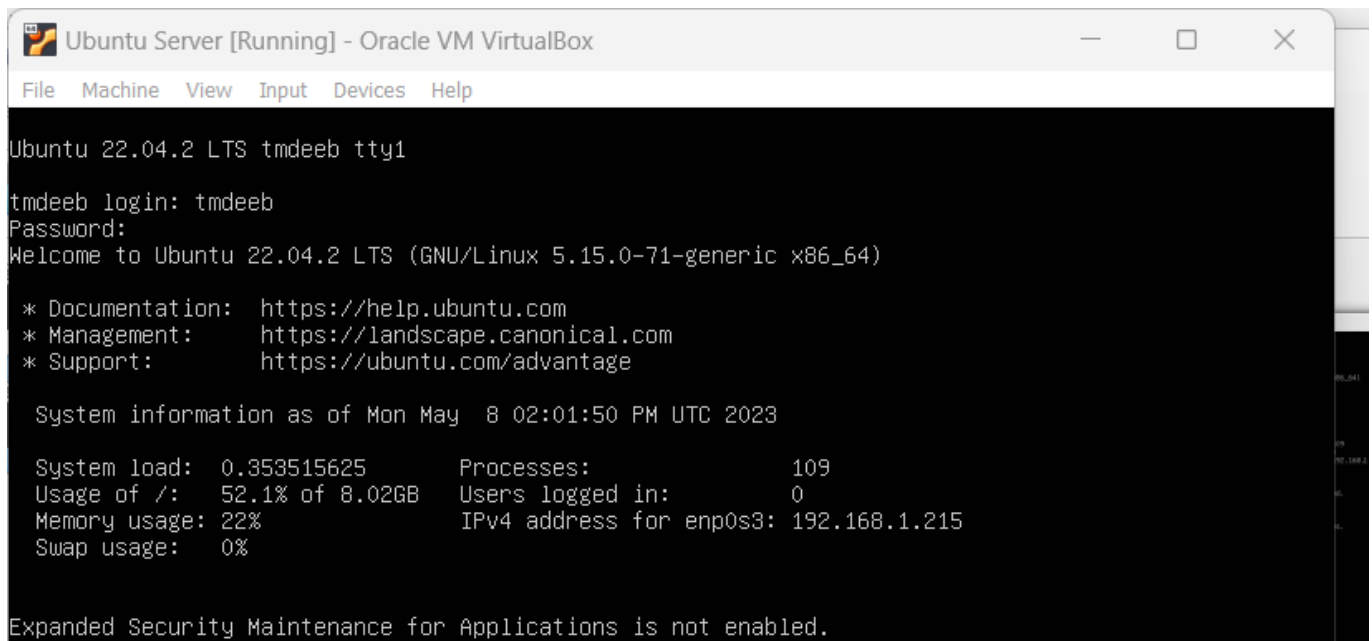
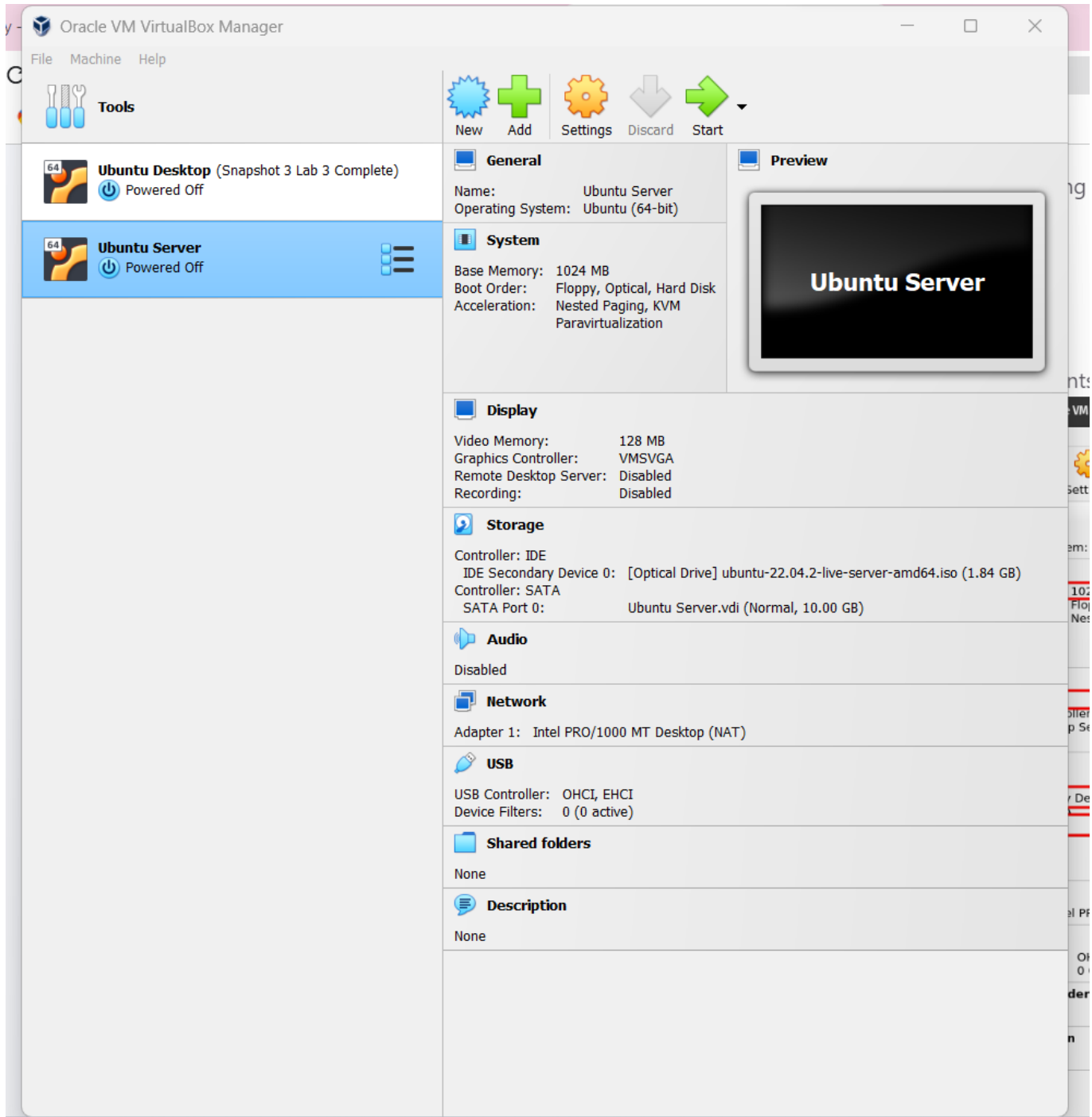


# Deliverable 2

---

## VM Settings



```
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  
  
Last login: Mon May  8 13:04:21 UTC 2023 on tty1  
tmdeeb@tmdeeb:~$
```

## Commands

```
1/1 + [T] [C] Tilix: tmdeeb@tmdeeb-VirtualBox: ~ [Q] [≡] [-] [□] [X]

1: tmdeeb@tmdeeb-VirtualBox: ~ ▾

tmdeeb@tmdeeb-VirtualBox:~$ systemctl status apache2 --no-pager
● apache2.service - The Apache HTTP Server
   Loaded: loaded (/lib/systemd/system/apache2.service; enabled; vendor preset: enabled)
   Active: active (running) since Mon 2023-05-08 09:54:37 EDT; 9min ago
     Docs: https://httpd.apache.org/docs/2.4/
   Process: 9452 ExecStart=/usr/sbin/apachectl start (code=exited, status=0/SUCCESS)
   Main PID: 9456 (apache2)
     Tasks: 55 (limit: 2277)
    Memory: 5.3M
       CPU: 51ms
    CGroup: /system.slice/apache2.service
           └─9456 /usr/sbin/apache2 -k start
             └─9457 /usr/sbin/apache2 -k start
               └─9458 /usr/sbin/apache2 -k start

May 08 09:54:37 tmdeeb-VirtualBox systemd[1]: Starting The Apache HTTP Server...
May 08 09:54:37 tmdeeb-VirtualBox systemd[1]: Started The Apache HTTP Server.
Hint: Some lines were ellipsized, use -l to show in full.
tmdeeb@tmdeeb-VirtualBox:~$ _
```

```
1/1 + [T] [C] Tilix: tmdeeb@tmdeeb-VirtualBox: ~ [Q] [≡] [-] [□] [X]

1: tmdeeb@tmdeeb-VirtualBox: ~ ▾

tmdeeb@tmdeeb-VirtualBox:~$ systemctl status sshd --no-pager
● ssh.service - OpenBSD Secure Shell server
   Loaded: loaded (/lib/systemd/system/ssh.service; enabled; vendor preset: enabled)
   Active: active (running) since Mon 2023-05-08 09:12:25 EDT; 52min ago
     Docs: man:sshd(8)
           man:sshd_config(5)
   Main PID: 739 (sshd)
     Tasks: 1 (limit: 2277)
    Memory: 692.0K
       CPU: 102ms
    CGroup: /system.slice/ssh.service
           └─739 "sshd: /usr/sbin/sshd -D [listener] 0 of 10-100 startups"

May 08 09:12:25 tmdeeb-VirtualBox systemd[1]: Starting OpenBSD Secure Shell ....
May 08 09:12:25 tmdeeb-VirtualBox sshd[739]: Server listening on 0.0.0.0 port 22.
May 08 09:12:25 tmdeeb-VirtualBox sshd[739]: Server listening on :: port 22.
May 08 09:12:25 tmdeeb-VirtualBox systemd[1]: Started OpenBSD Secure Shell server.
May 08 09:14:47 tmdeeb-VirtualBox sshd[4848]: pam_unix(sshd:auth): authenticating tmdeeb
May 08 09:14:49 tmdeeb-VirtualBox sshd[4848]: Failed password for tmdeeb from 10.0.2.15 port 22 ssh2
May 08 09:14:55 tmdeeb-VirtualBox sshd[4848]: Accepted password for tmdeeb from 10.0.2.15 port 22 ssh2
May 08 09:14:55 tmdeeb-VirtualBox sshd[4848]: pam_unix(sshd:session): session opened for user tmdeeb by (sshd)
Hint: Some lines were ellipsized, use -l to show in full.
tmdeeb@tmdeeb-VirtualBox:~$ _
```

```

1/1  +  [T] [M]  Tilix: tmdeeb@tmdeeb-VirtualBox: ~

1: tmdeeb@tmdeeb-VirtualBox: ~
tmdeeb@tmdeeb-VirtualBox:~$ systemctl status ufw --no-pager
● ufw.service - Uncomplicated firewall
   Loaded: loaded (/lib/systemd/system/ufw.service; enabled; vendor preset: en
   Active: active (exited) since Mon 2023-05-08 09:12:24 EDT; 52min ago
     Docs: man:ufw(8)
    Main PID: 395 (code=exited, status=0/SUCCESS)
      CPU: 1ms

May 08 09:12:24 tmdeeb-VirtualBox systemd[1]: Starting Uncomplicated firewall...
May 08 09:12:24 tmdeeb-VirtualBox systemd[1]: Finished Uncomplicated firewall.
Hint: Some lines were ellipsized, use -l to show in full.
tmdeeb@tmdeeb-VirtualBox:~$

```

### last 10 lines of access log

```

1: tmdeeb@tmdeeb-VirtualBox: ~
tmdeeb@tmdeeb-VirtualBox:~$ sudo tail -f /var/log/apache2/access.log
10.0.2.15 - - [02/May/2023:12:39:19 -0400] "GET /icons/ubuntu-logo.png HTTP/1.1" 200 3607 "http://10.0.2.15/" "Mozilla/5.0 (X11; Ubuntu; Linux x86_64; rv:109.0) Gecko/20100101 Firefox/112.0"
10.0.2.15 - - [02/May/2023:12:39:19 -0400] "GET /favicon.ico HTTP/1.1" 200 3460 "-" "Mozilla/5.0 (X11; Ubuntu; Linux x86_64; rv:109.0) Gecko/20100101 Firefox/112.0"
10.0.2.15 - - [02/May/2023:12:42:25 -0400] "GET / HTTP/1.1" 200 465 "-" "Mozilla/5.0 (X11; Ubuntu; Linux x86_64; rv:109.0) Gecko/20100101 Firefox/112.0"
10.0.2.15 - - [02/May/2023:12:42:25 -0400] "GET /icons/ubuntu-logo.png HTTP/1.1" 200 3607 "http://10.0.2.15/" "Mozilla/5.0 (X11; Ubuntu; Linux x86_64; rv:109.0) Gecko/20100101 Firefox/112.0"
10.0.2.15 - - [02/May/2023:13:01:41 -0400] "GET / HTTP/1.1" 200 465 "-" "Mozilla/5.0 (X11; Ubuntu; Linux x86_64; rv:109.0) Gecko/20100101 Firefox/112.0"
10.0.2.15 - - [02/May/2023:13:01:41 -0400] "GET /favicon.ico HTTP/1.1" 200 467 "http://10.0.2.15/" "Mozilla/5.0 (X11; Ubuntu; Linux x86_64; rv:109.0) Gecko/20100101 Firefox/112.0"
10.0.2.15 - - [02/May/2023:09:57:35 -0400] "GET / HTTP/1.1" 200 657 "-" "Mozilla/5.0 (X11; Ubuntu; Linux x86_64; rv:109.0) Gecko/20100101 Firefox/112.0"
10.0.2.15 - - [08/May/2023:09:57:35 -0400] "GET /icons/blank.gif HTTP/1.1" 200 431 "http://10.0.2.15/" "Mozilla/5.0 (X11; Ubuntu; Linux x86_64; rv:109.0) Gecko/20100101 Firefox/112.0"
10.0.2.15 - - [08/May/2023:09:57:35 -0400] "GET /icons/text.gif HTTP/1.1" 200 513 "http://10.0.2.15/" "Mozilla/5.0 (X11; Ubuntu; Linux x86_64; rv:109.0) Gecko/20100101 Firefox/112.0"
10.0.2.15 - - [08/May/2023:09:57:39 -0400] "GET /index.html HTTP/1.1" 200 450 "http://10.0.2.15/" "Mozilla/5.0 (X11; Ubuntu; Linux x86_64; rv:109.0) Gecko/20100101 Firefox/112.0"

```

### last 10 lines of error log

```

1: tmdeeb@tmdeeb-VirtualBox: ~
tmdeeb@tmdeeb-VirtualBox:~$ sudo tail -f /var/log/apache2/error.log
[Mon May 08 09:20:12.427632 2023] [mpm_event:notice] [pid 745:tid 139741147051904] AH00493: SIGUSR1 received. Doing graceful restart
AH00558: apache2: Could not reliably determine the server's fully qualified domain name, using 127.0.1.1. Set the 'ServerName' directive globally to suppress this message
[Mon May 08 09:20:12.454197 2023] [mpm_event:notice] [pid 745:tid 139741147051904] AH00489: Apache/2.4.52 (Ubuntu) configured -- resuming normal operations
[Mon May 08 09:22:21.324869 2023] [core:notice] [pid 745:tid 139741147051904] AH00094: Command line: '/usr/sbin/apache2'
[Mon May 08 09:22:21.273916 2023] [mpm_event:notice] [pid 745:tid 139741147051904] AH00492: caught SIGWINCH, shutting down gracefully
[Mon May 08 09:22:21.324869 2023] [core:notice] [pid 5530:tid 140123946477440] AH00094: Command line: '/usr/sbin/apache2'
[Mon May 08 09:22:21.324869 2023] [mpm_event:notice] [pid 5530:tid 140123946477440] AH00489: Apache/2.4.52 (Ubuntu) configured -- resuming normal operations
[Mon May 08 09:22:21.324869 2023] [core:notice] [pid 5530:tid 140123946477440] AH00492: caught SIGWINCH, shutting down gracefully
[Mon May 08 09:54:37.555216 2023] [mpm_event:notice] [pid 9456:tid 140373146601344] AH00489: Apache/2.4.52 (Ubuntu) configured -- resuming normal operations
[Mon May 08 09:54:37.555314 2023] [core:notice] [pid 9456:tid 140373146601344] AH00094: Command line: '/usr/sbin/apache2'

```

### last 10 lines of auth log

```

Applications  Places
1/1  +  [T] [M]  Tilix: tmdeeb@tmdeeb-VirtualBox: ~

1: tmdeeb@tmdeeb-VirtualBox: ~
tmdeeb@tmdeeb-VirtualBox:~$ sudo tail -f /var/log/auth.log
[sudo] password for tmdeeb:
May 8 09:56:11 tmdeeb-VirtualBox sudo:    tmdeeb : TTY=pts/0 ; PWD=/home/tmdeeb ; USER=root ; COMMAND=/usr/bin/nano /etc/apache2/sites-available/myresume
May 8 09:56:11 tmdeeb-VirtualBox sudo: pam_unix(sudo:session): session opened for user root(uid=0) by (uid=1000)
May 8 09:57:08 tmdeeb-VirtualBox sudo: pam_unix(sudo:session): session closed for user root
May 8 10:07:02 tmdeeb-VirtualBox sudo:    tmdeeb : TTY=pts/0 ; PWD=/home/tmdeeb ; USER=root ; COMMAND=/usr/bin/tail -f /var/log/apache2/access.log
May 8 10:07:02 tmdeeb-VirtualBox sudo: pam_unix(sudo:session): session opened for user root(uid=0) by (uid=1000)
May 8 10:08:33 tmdeeb-VirtualBox sudo: pam_unix(sudo:session): session closed for user root
May 8 10:09:27 tmdeeb-VirtualBox sudo:    tmdeeb : TTY=pts/2 ; PWD=/home/tmdeeb ; USER=root ; COMMAND=/usr/bin/tail -f /var/log/apache2/error.log
May 8 10:09:27 tmdeeb-VirtualBox sudo: pam_unix(sudo:session): session opened for user root(uid=0) by (uid=1000)
May 8 10:10:08 tmdeeb-VirtualBox sudo: pam_unix(sudo:session): session closed for user root
May 8 10:11:12 tmdeeb-VirtualBox sudo:    tmdeeb : TTY=pts/3 ; PWD=/home/tmdeeb ; USER=root ; COMMAND=/usr/bin/tail -f /var/log/auth.log
May 8 10:11:12 tmdeeb-VirtualBox sudo: pam_unix(sudo:session): session opened for user root(uid=0) by (uid=1000)

```

## site config

```

GNU nano 6.2 /etc/apache2/sites-available/myresume.conf *
<VirtualHost *:80>
    ServerAdmin webmaster@localhost
    ServerName myresume
    ServerAlias www.myresume
    DocumentRoot /var/www/myresume
    ErrorLog ${APACHE_LOG_DIR}/error.log
    CustomLog ${APACHE_LOG_DIR}/access.log combined
</VirtualHost>_
  
```

Help Write Out Where Is Cut Execute Location  
Exit Read File Replace Paste Justify Go To Line

## apache config

```

GNU nano 6.2 /etc/apache2/apache2.conf
# This is the main Apache server configuration file. It contains the
# configuration directives that give the server its instructions.
# See http://httpd.apache.org/docs/2.4/ for detailed information about
# the directives and /usr/share/doc/apache2/README.Debian about Debian specific
# hints.
#
# Summary of how the Apache 2 configuration works in Debian:
# The Apache 2 web server configuration in Debian is quite different to
# upstream's suggested way to configure the web server. This is because Debian's
# default Apache2 installation attempts to make adding and removing modules,
# virtual hosts, and extra configuration directives as flexible as possible, in
# order to make automating the changes and administering the server as easy as
# possible.
#
# It is split into several files forming the configuration hierarchy outlined
# below, all located in the /etc/apache2/ directory:
#
# /etc/apache2/
# |-- apache2.conf
  
```

[ Read 227 lines ]

Help Write Out Where Is Cut Execute Location  
Exit Read File Replace Paste Justify Go To Line



## Website Access from Ubuntu

