Final Project Ubuntu Server Installed
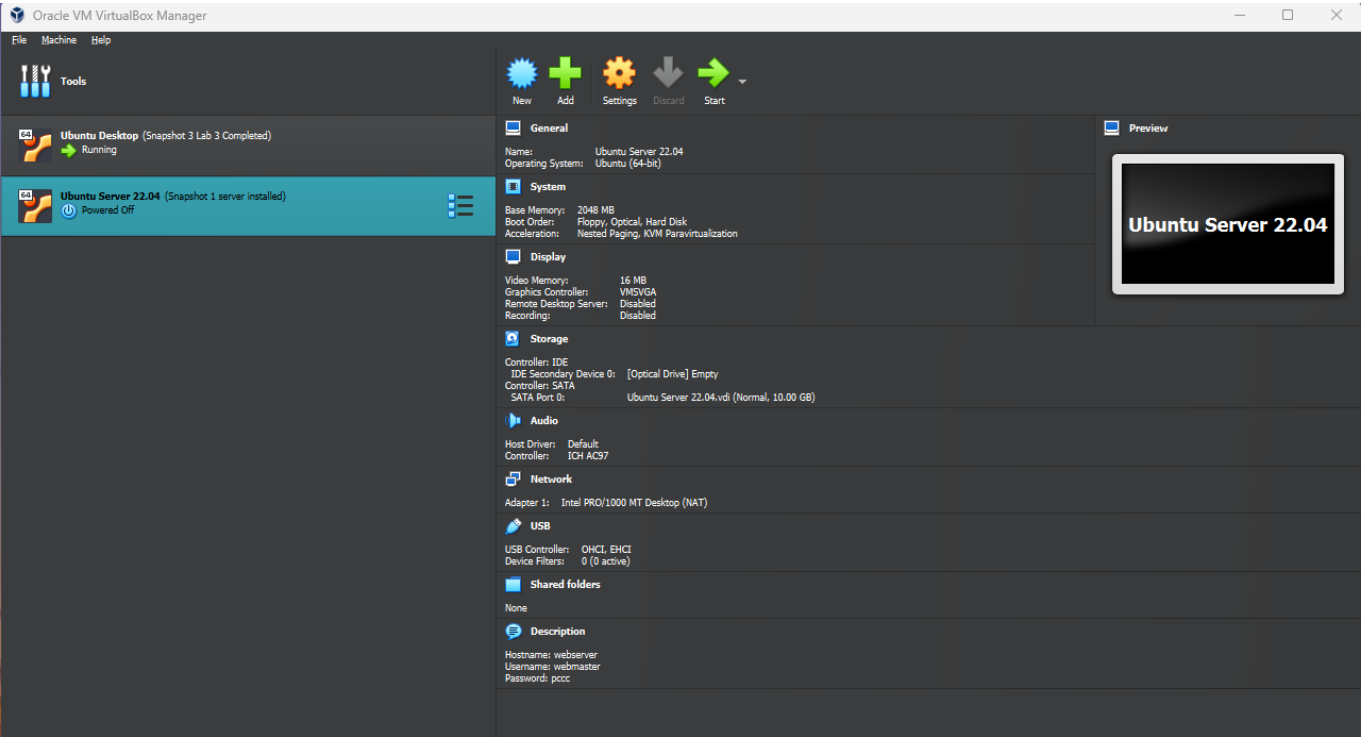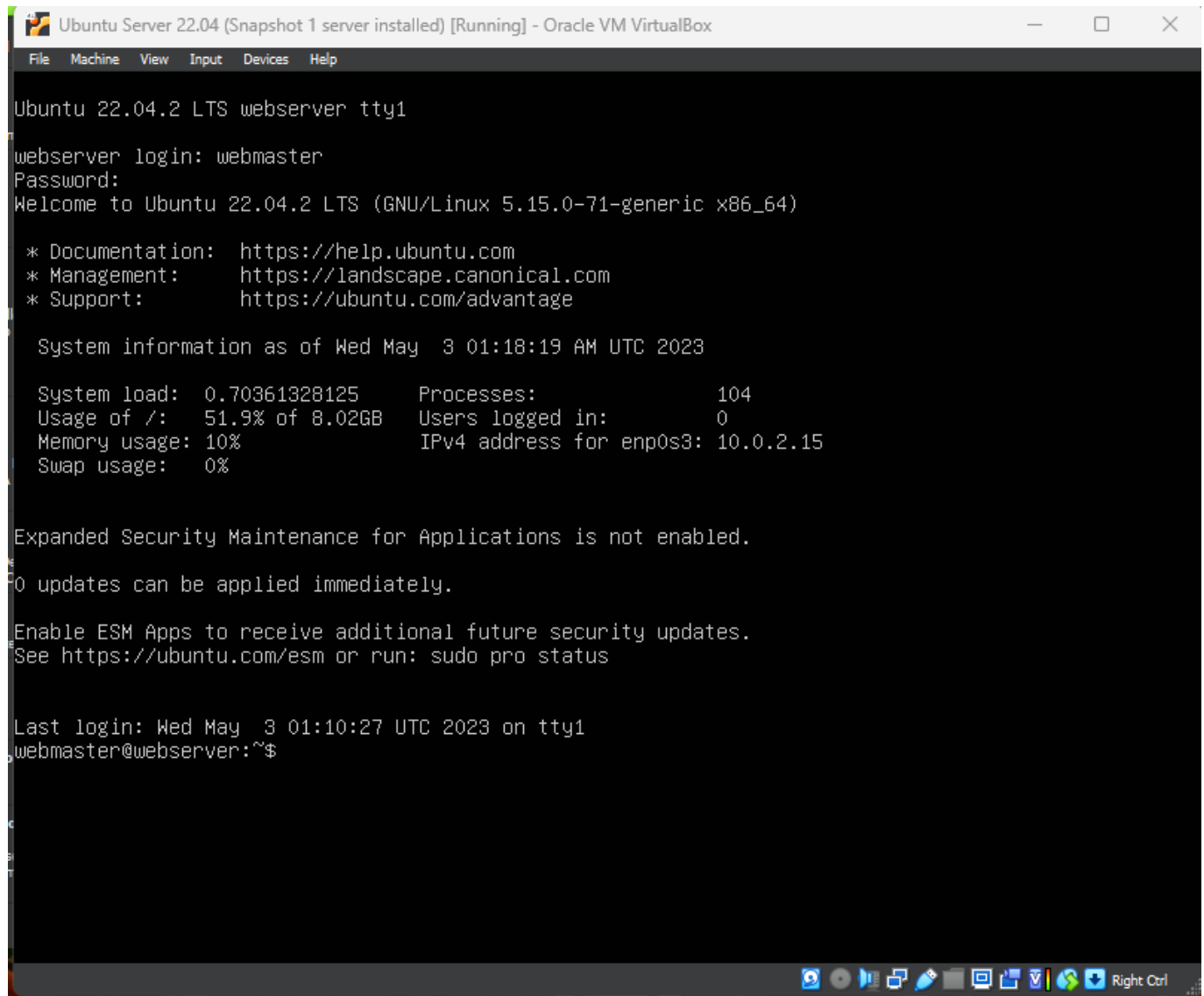
Ubuntu Server Installed in Virtual Box

Ubuntu Server Successfully installed

Firewall status

```
webmaster@webserver:~$ sudo ufw status
Status: active

To                          Action      From
--                          ------      ----
Apache                      ALLOW       Anywhere
22/tcp                      ALLOW       Anywhere
Apache (v6)                 ALLOW       Anywhere (v6)
22/tcp (v6)                 ALLOW       Anywhere (v6)

webmaster@webserver:~$
```
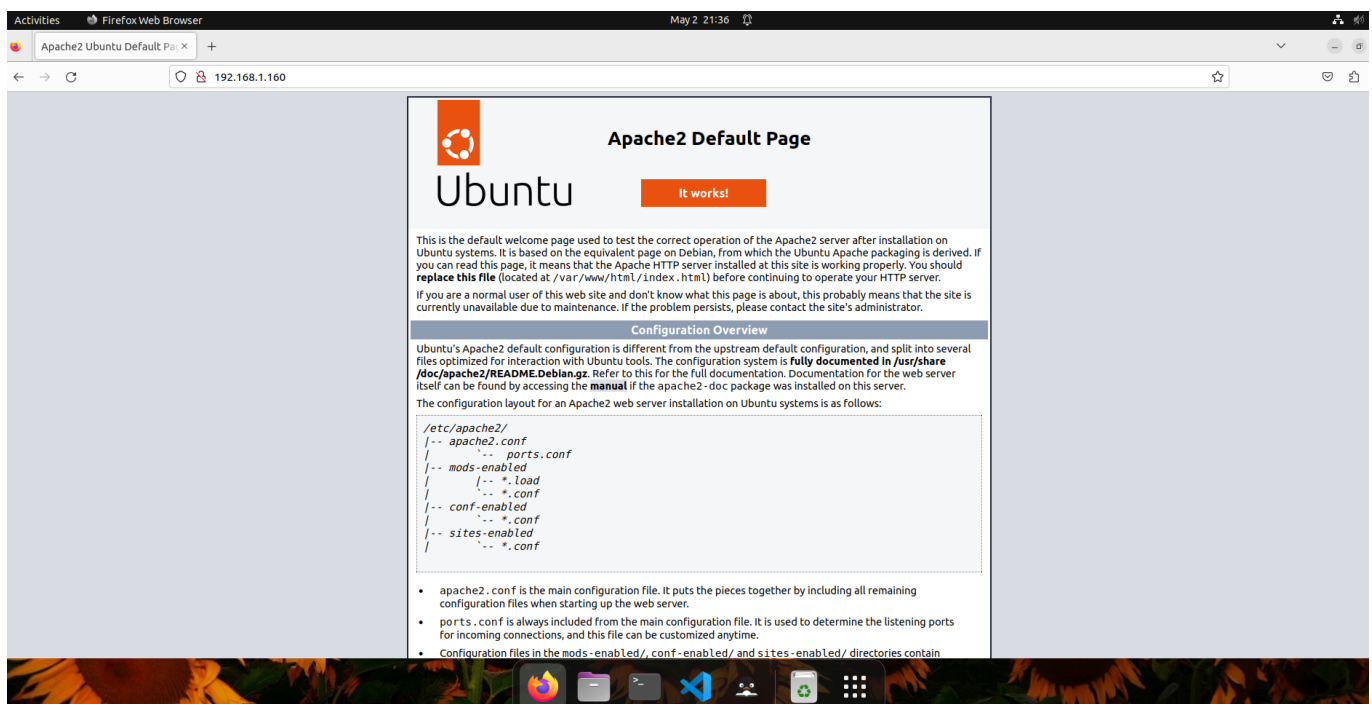
Apache status

```
webmaster@webserver:~$ sudo systemctl status apache2 --no-pager
[sudo] password for webmaster:
● apache2.service - The Apache HTTP Server
     Loaded: loaded (/lib/systemd/system/apache2.service; enabled; vendor preset
: enabled)
     Active: active (running) since Thu 2023-05-04 01:43:57 UTC; 24h ago
       Docs: https://httpd.apache.org/docs/2.4/
   Main PID: 801 (apache2)
      Tasks: 55 (limit: 2234)
     Memory: 8.8M
        CPU: 413ms
     CGroup: /system.slice/apache2.service
             ├─801 /usr/sbin/apache2 -k start
             ├─802 /usr/sbin/apache2 -k start
             └─803 /usr/sbin/apache2 -k start

May 04 01:43:56 webserver systemd[1]: Starting The Apache HTTP Server...
May 04 01:43:57 webserver systemd[1]: Started The Apache HTTP Server.
webmaster@webserver:~$
```

Ssh status

Default page

My netplan

```
  GNU nano 6.2                    /etc/netplan/01-netcfg.yaml
network:
  version: 2
  renderer: networkd
  ethernets:
    eth0:
      addresses:
        - 192.168.1.161/24
      nameservers:
        addresses: [1.1.1.1, 8.8.8.8, 8.8.4.4]
      routes:
        - to: default
          via: 192.168.1.1




                          [ Read 12 lines ]
^G  Help      ^O  Write Out  ^W  Where Is   ^K  Cut        ^T  Execute   ^C  Location
^X  Exit      ^R  Read File  ^\  Replace    ^U  Paste      ^J  Justify   ^/  Go To Line
```

Apache conf file

```
  GNU nano 6.2                    /etc/apache2/apache2.conf
# Use mod_remoteip instead.
#
LogFormat "%v:%p %h %l %u %t \"%r\" %>s %O \"%{Referer}i\" \"%{User-Agent}i\"" >
LogFormat "%h %l %u %t \"%r\" %>s %O \"%{Referer}i\" \"%{User-Agent}i\"" combin>
LogFormat "%h %l %u %t \"%r\" %>s %O" common
LogFormat "%{Referer}i -> %U" referer
LogFormat "%{User-agent}i" agent

# Include of directories ignores editors' and dpkg's backup files,
# see README.Debian for details.

# Include generic snippets of statements
IncludeOptional conf-enabled/*.conf

# Include the virtual host configurations:
IncludeOptional sites-enabled/*.conf

# vim: syntax=apache ts=4 sw=4 sts=4 sr noet
ServerName 127.0.0.1



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

Site-Available conf file

```
  ┌─┐                        webmaster@webserver: ~           ⌕  ≡  ─  □  ✕
  │+│
  GNU nano 6.2            /etc/apache2/sites-available/mywebsite.conf
<VirtualHost *:80>
    ServerAdmin webmaster@localhost
    ServerName mywebsite
    ServerAlias www.mywebsite
    DocumentRoot /var/www/mywebsite
    ErrorLog ${APACHE_LOG_DIR}/error.log
    CustomLog ${APACHE_LOG_DIR}/access.log combined
</VirtualHost>




                               [ Read 8 lines ]
^G Help      ^O Write Out ^W Where Is ^K Cut       ^T Execute  ^C Location
^X Exit      ^R Read File ^\ Replace  ^U Paste     ^J Justify  ^/ Go To Line
```

Apache access log file

```
  ┌─┐              webmaster@webserver: /var/log/apache2    ⌕  ≡  ─  □  ✕
  │+│
  GNU nano 6.2                           access.log
1 92.168.1.1 - - [03/May/2023:03:37:00 +0000] "GET / HTTP/1.1" 200 10926 "-" "-"
192.168.1.158 - - [03/May/2023:03:41:19 +0000] "GET / HTTP/1.1" 200 3460 "-" "M>
192.168.1.158 - - [03/May/2023:03:41:19 +0000] "GET /icons/ubuntu-logo.png HTTP>
192.168.1.158 - - [03/May/2023:03:41:19 +0000] "GET /favicon.ico HTTP/1.1" 404 >
192.168.1.158 - - [03/May/2023:03:42:19 +0000] "GET / HTTP/1.1" 200 3460 "-" "M>
192.168.1.158 - - [03/May/2023:03:42:19 +0000] "GET /icons/ubuntu-logo.png HTTP>
192.168.1.158 - - [03/May/2023:04:05:09 +0000] "GET / HTTP/1.1" 200 3460 "-" "M>
192.168.1.158 - - [03/May/2023:04:28:01 +0000] "GET / HTTP/1.1" 200 3460 "-" "M>
192.168.1.158 - - [03/May/2023:04:28:01 +0000] "GET /favicon.ico HTTP/1.1" 404 >
192.168.1.158 - - [03/May/2023:04:48:50 +0000] "GET / HTTP/1.1" 200 1117 "-" "M>
192.168.1.158 - - [03/May/2023:04:48:50 +0000] "GET /favicon.ico HTTP/1.1" 404 >
192.168.1.158 - - [03/May/2023:04:53:29 +0000] "GET / HTTP/1.1" 200 2516 "-" "M>
192.168.1.158 - - [03/May/2023:04:53:29 +0000] "GET /style.css HTTP/1.1" 404 49>
192.168.1.158 - - [03/May/2023:04:53:29 +0000] "GET /background.png HTTP/1.1" 4>
192.168.1.158 - - [03/May/2023:04:53:29 +0000] "GET /house1.jpg HTTP/1.1" 404 4>
192.168.1.158 - - [03/May/2023:04:53:29 +0000] "GET /house2.webp HTTP/1.1" 404 >
192.168.1.158 - - [03/May/2023:04:53:29 +0000] "GET /house3.jpg HTTP/1.1" 404 4>
192.168.1.158 - - [03/May/2023:04:53:29 +0000] "GET /favicon.ico HTTP/1.1" 404 >
192.168.1.158 - - [03/May/2023:05:00:49 +0000] "GET / HTTP/1.1" 200 2516 "-" "M>
192.168.1.158 - - [03/May/2023:05:00:49 +0000] "GET /style.css HTTP/1.1" 404 49>
                             [ Read 197 lines ]
^G Help      ^O Write Out ^W Where Is ^K Cut       ^T Execute  ^C Location
^X Exit      ^R Read File ^\ Replace  ^U Paste     ^J Justify  ^/ Go To Line
```

Apache error log file

```
 ┌─┐                    webmaster@webserver: /var/log/apache2        🔍  ☰   ─  □   ✕
 │+│
  GNU nano 6.2                          error.log
[Wed May 03 03:31:34.259979 2023] [mpm_event:notice] [pid 1579:tid 139661506901>
[Wed May 03 03:31:34.260073 2023] [core:notice] [pid 1579:tid 139661506901888] >
[Wed May 03 03:35:09.043489 2023] [mpm_event:notice] [pid 1579:tid 139661506901>
[Wed May 03 03:36:42.695278 2023] [mpm_event:notice] [pid 782:tid 1398011683162>
[Wed May 03 03:36:42.696864 2023] [core:notice] [pid 782:tid 139801168316288] A>
[Wed May 03 03:42:38.366468 2023] [mpm_event:notice] [pid 782:tid 1398011683162>
[Wed May 03 03:44:03.408778 2023] [mpm_event:notice] [pid 788:tid 1398768030862>
[Wed May 03 03:44:03.410192 2023] [core:notice] [pid 788:tid 139876803086208] A>
[Wed May 03 04:25:21.877756 2023] [mpm_event:notice] [pid 788:tid 1398768030862>
[Wed May 03 04:27:25.914802 2023] [mpm_event:notice] [pid 791:tid 1403079470508>
[Wed May 03 04:27:25.915282 2023] [core:notice] [pid 791:tid 140307947050880] A>
[Wed May 03 04:46:45.813494 2023] [mpm_event:notice] [pid 791:tid 1403079470508>
AH00558: apache2: Could not reliably determine the server's fully qualified dom>
[Wed May 03 04:46:45.816588 2023] [mpm_event:notice] [pid 791:tid 1403079470508>
[Wed May 03 04:46:45.816593 2023] [core:notice] [pid 791:tid 140307947050880] A>
[Wed May 03 04:46:57.084612 2023] [mpm_event:notice] [pid 791:tid 1403079470508>
AH00558: apache2: Could not reliably determine the server's fully qualified dom>
[Wed May 03 04:46:57.087251 2023] [mpm_event:notice] [pid 791:tid 1403079470508>
[Wed May 03 04:46:57.087255 2023] [core:notice] [pid 791:tid 140307947050880] A>
[Wed May 03 04:48:43.405447 2023] [mpm_event:notice] [pid 791:tid 1403079470508>
                              [ Read 40 lines ]
^G Help        ^O Write Out ^W Where Is  ^K Cut        ^T Execute   ^C Location
^X Exit        ^R Read File ^\ Replace   ^U Paste      ^J Justify   ^/ Go To Line
```

SSH auth log file

```
 ┌─┐                    webmaster@webserver: /var/log               🔍  ☰   ─  □   ✕
 │+│
  GNU nano 6.2                          auth.log
May  3 03:22:26 webserver useradd[646]: new group: name=webmaster, GID=1000
May  3 03:22:26 webserver useradd[646]: new user: name=webmaster, UID=1000, GID>
May  3 03:22:26 webserver useradd[646]: add 'webmaster' to group 'adm'
May  3 03:22:26 webserver useradd[646]: add 'webmaster' to group 'cdrom'
May  3 03:22:26 webserver useradd[646]: add 'webmaster' to group 'sudo'
May  3 03:22:26 webserver useradd[646]: add 'webmaster' to group 'dip'
May  3 03:22:26 webserver useradd[646]: add 'webmaster' to group 'plugdev'
May  3 03:22:26 webserver useradd[646]: add 'webmaster' to group 'lxd'
May  3 03:22:26 webserver useradd[646]: add 'webmaster' to shadow group 'adm'
May  3 03:22:26 webserver useradd[646]: add 'webmaster' to shadow group 'cdrom'
May  3 03:22:26 webserver useradd[646]: add 'webmaster' to shadow group 'sudo'
May  3 03:22:26 webserver useradd[646]: add 'webmaster' to shadow group 'dip'
May  3 03:22:26 webserver useradd[646]: add 'webmaster' to shadow group 'plugde>
May  3 03:22:26 webserver useradd[646]: add 'webmaster' to shadow group 'lxd'
May  3 03:22:26 webserver systemd-logind[675]: New seat seat0.
May  3 03:22:26 webserver systemd-logind[675]: Watching system buttons on /dev/>
May  3 03:22:26 webserver systemd-logind[675]: Watching system buttons on /dev/>
May  3 03:22:26 webserver systemd-logind[675]: Watching system buttons on /dev/>
May  3 03:22:26 webserver sshd[777]: Server listening on 0.0.0.0 port 22.
May  3 03:22:26 webserver sshd[777]: Server listening on :: port 22.
                              [ Read 1413 lines ]
^G Help        ^O Write Out ^W Where Is  ^K Cut        ^T Execute   ^C Location
^X Exit        ^R Read File ^\ Replace   ^U Paste      ^J Justify   ^/ Go To Line
```

Terminal

My website screenshot