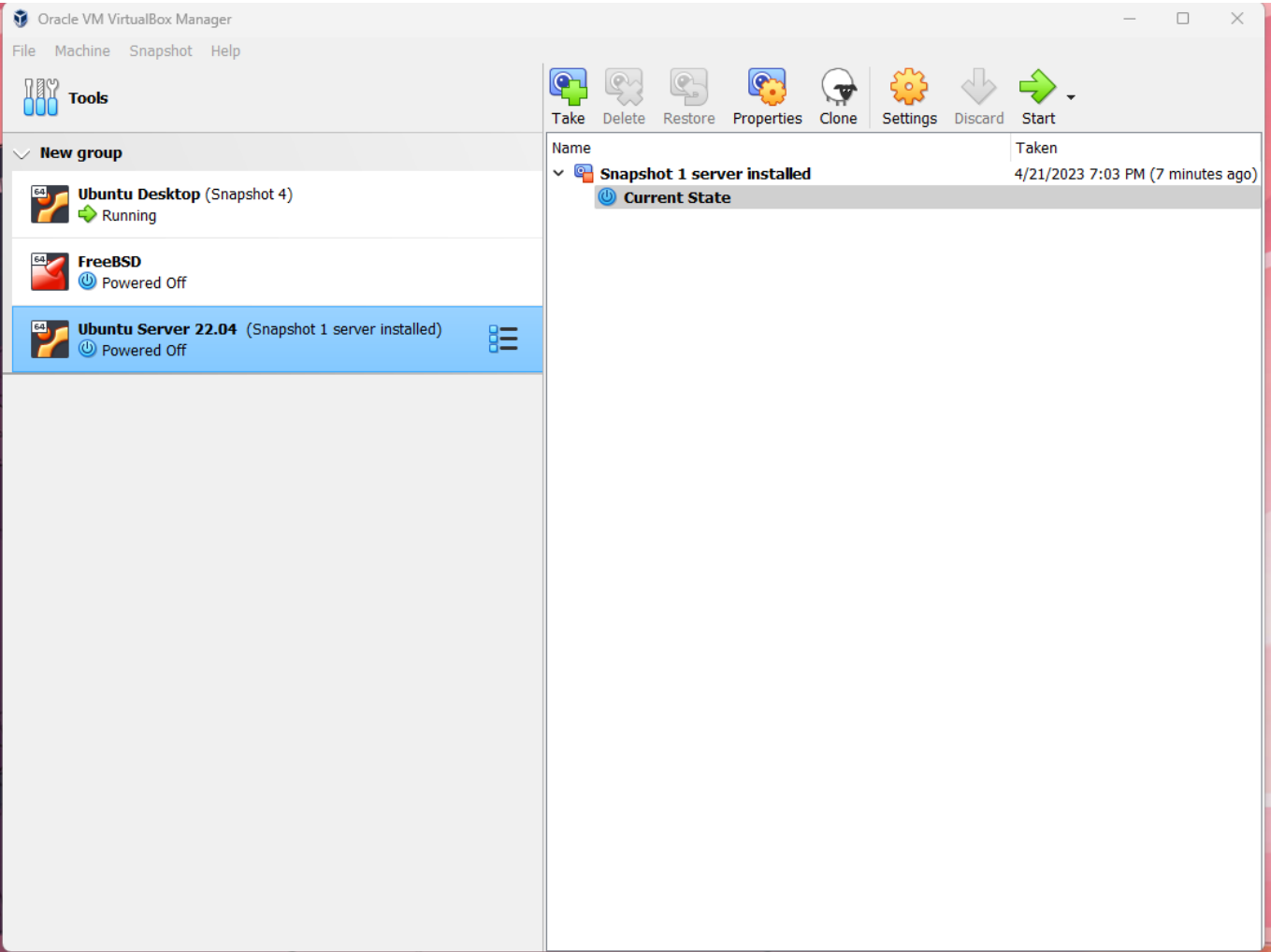
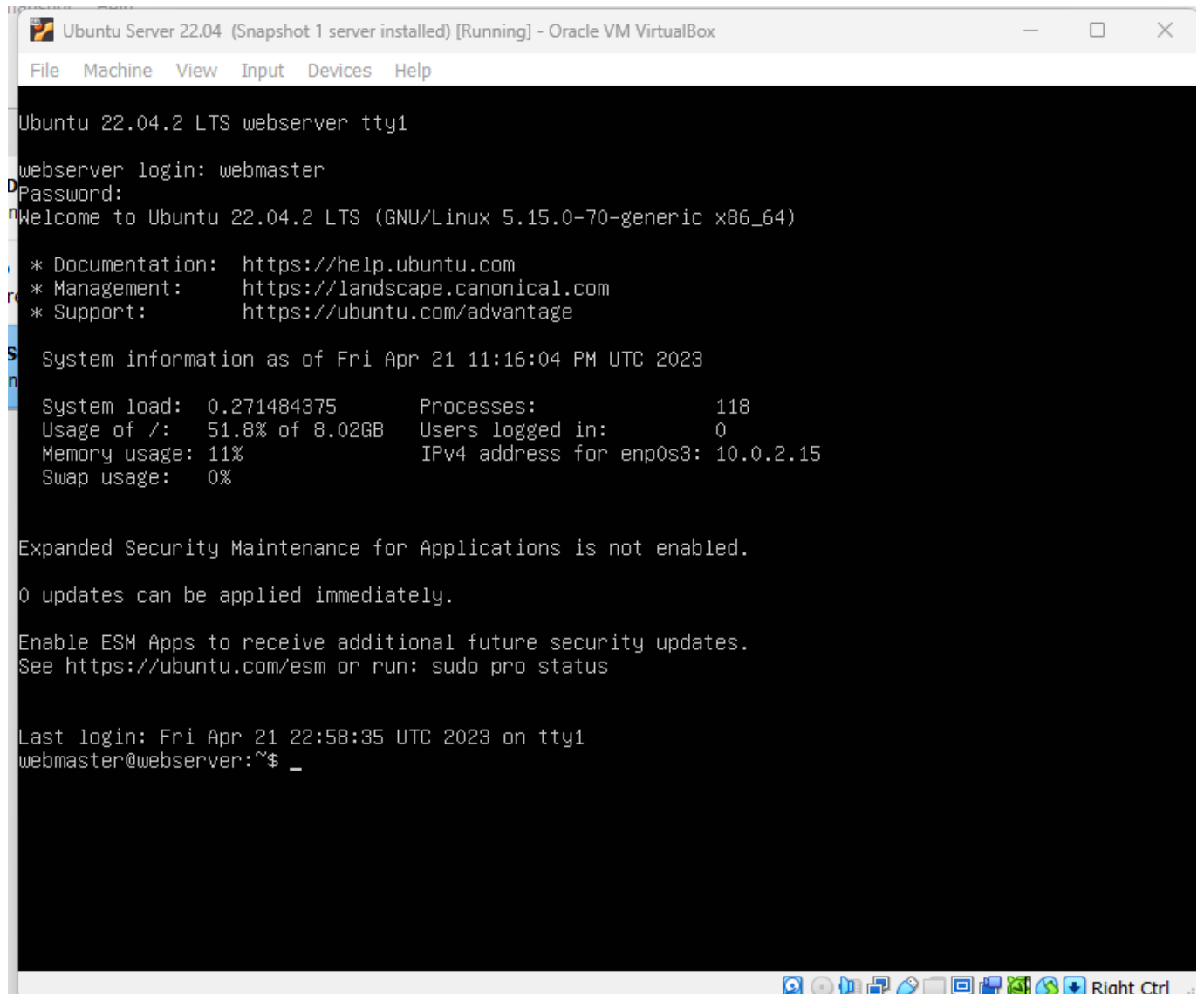


# Final Project Ubuntu Server

## Ubuntu Installed



## Ubuntu Server Login



```
Ubuntu Server 22.04 (Snapshot 1 server installed) [Running] - Oracle VM VirtualBox
File Machine View Input Devices Help

Ubuntu 22.04.2 LTS webserver tty1
webserver login: webmaster
Password:
Welcome to Ubuntu 22.04.2 LTS (GNU/Linux 5.15.0-70-generic x86_64)

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

System information as of Fri Apr 21 11:16:04 PM UTC 2023

System load: 0.271484375      Processes:           118
Usage of /:  51.8% of 8.02GB   Users logged in:     0
Memory usage: 11%             IPv4 address for enp0s3: 10.0.2.15
Swap usage:  0%

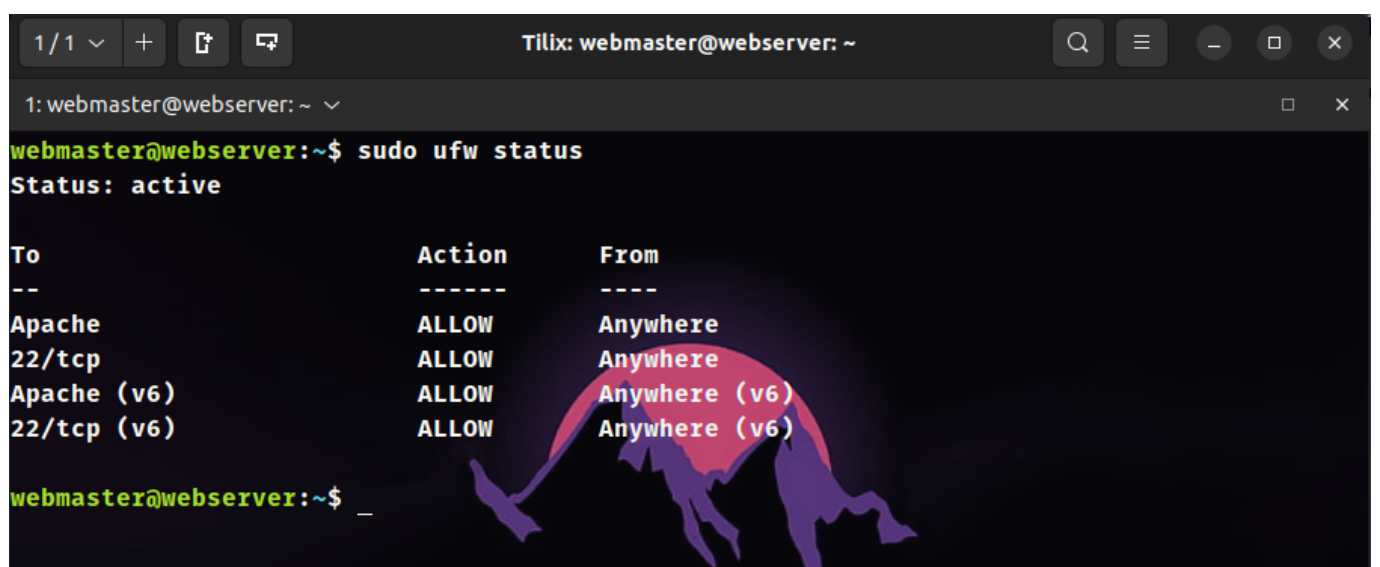
Expanded Security Maintenance for Applications is not enabled.

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

Last login: Fri Apr 21 22:58:35 UTC 2023 on tty1
webmaster@webserver:~$ _
```

## Firewall Status



```
Tilix: webmaster@webserver: ~
1: webmaster@webserver: ~
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:~$ _
```

## SSH Status

```
1/1 v + [T] [M] Tilix: webmaster@webserver: ~
1: webmaster@webserver: ~ v
webmaster@webserver:~$ sudo systemctl status ssh.service
● ssh.service - OpenBSD Secure Shell server
   Loaded: loaded (/lib/systemd/system/ssh.service; enabled; vendor preset: enabled)
   Active: active (running) since Fri 2023-05-05 01:15:55 UTC; 6min ago
     Docs: man:sshd(8)
           man:sshd_config(5)
   Main PID: 795 (sshd)
     Tasks: 1 (limit: 2234)
    Memory: 6.7M
       CPU: 138ms
    CGroup: /system.slice/ssh.service
            └─795 "sshd: /usr/sbin/sshd -D [listener] 0 of 10-100 startups"

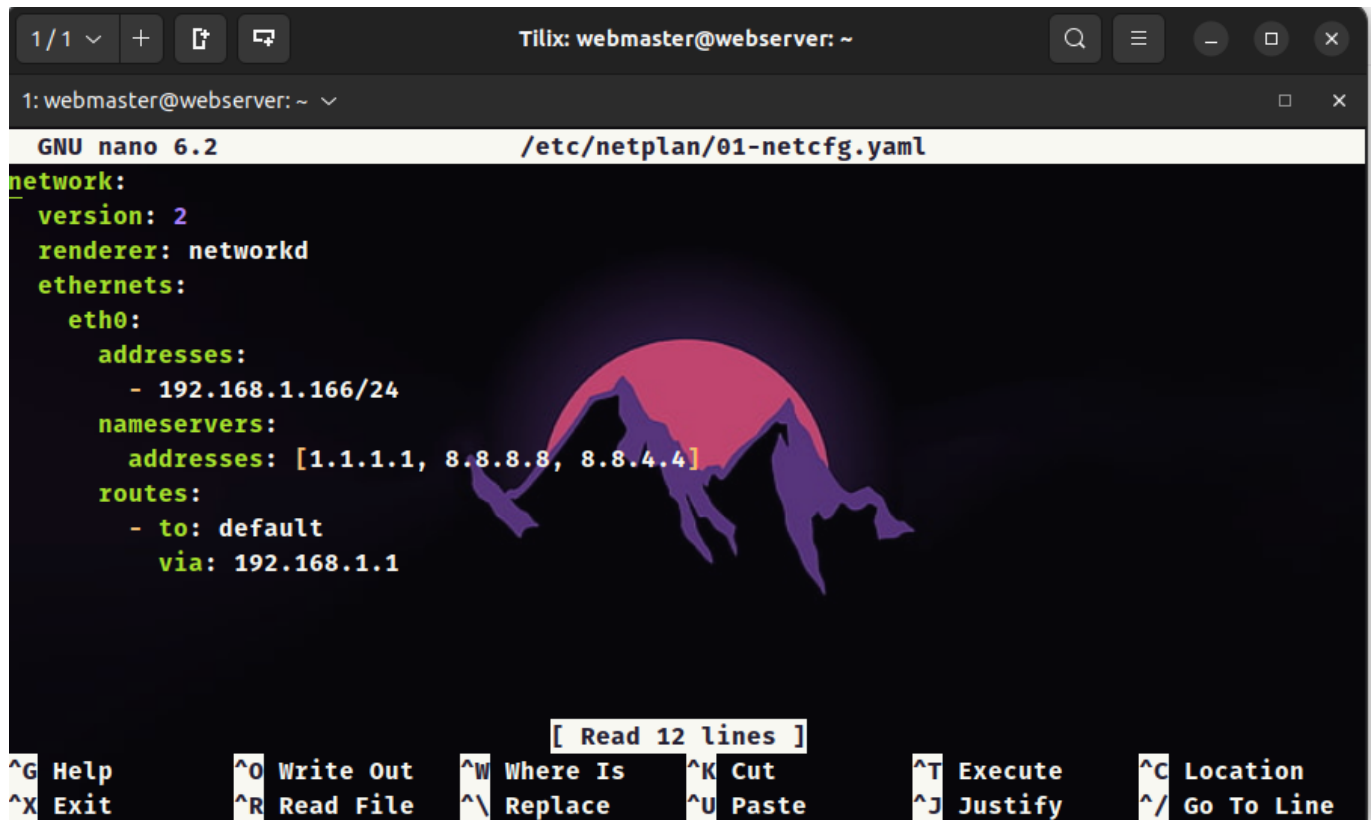
May 05 01:15:54 webserver systemd[1]: Starting OpenBSD Secure Shell server...
May 05 01:15:55 webserver sshd[795]: Server listening on 0.0.0.0 port 22.
May 05 01:15:55 webserver sshd[795]: Server listening on :: port 22.
May 05 01:15:55 webserver systemd[1]: Started OpenBSD Secure Shell server.
May 05 01:16:41 webserver sshd[1221]: Accepted publickey for webmaster from 192.168.1.167>
May 05 01:16:41 webserver sshd[1221]: pam_unix(sshd:session): session opened for user web>
lines 1-18/18 (END)
```

## Apache Status

```
1/1 v + [T] [M] Tilix: webmaster@webserver: ~
1: webmaster@webserver: ~ v
webmaster@webserver:~$ sudo systemctl status apache2
● apache2.service - The Apache HTTP Server
   Loaded: loaded (/lib/systemd/system/apache2.service; enabled; vendor preset: enabled)
   Active: active (running) since Fri 2023-05-05 01:15:55 UTC; 6min ago
     Docs: https://httpd.apache.org/docs/2.4/
   Main PID: 808 (apache2)
     Tasks: 55 (limit: 2234)
    Memory: 7.5M
       CPU: 272ms
    CGroup: /system.slice/apache2.service
            └─808 /usr/sbin/apache2 -k start
              └─888 /usr/sbin/apache2 -k start
                └─889 /usr/sbin/apache2 -k start

May 05 01:15:54 webserver systemd[1]: Starting The Apache HTTP Server...
May 05 01:15:55 webserver systemd[1]: Started The Apache HTTP Server.
May 05 01:15:55 webserver systemd[1]: Reloading The Apache HTTP Server...
May 05 01:15:55 webserver systemd[1]: Reloaded The Apache HTTP Server.
webmaster@webserver:~$
```

## Netplan Configuration

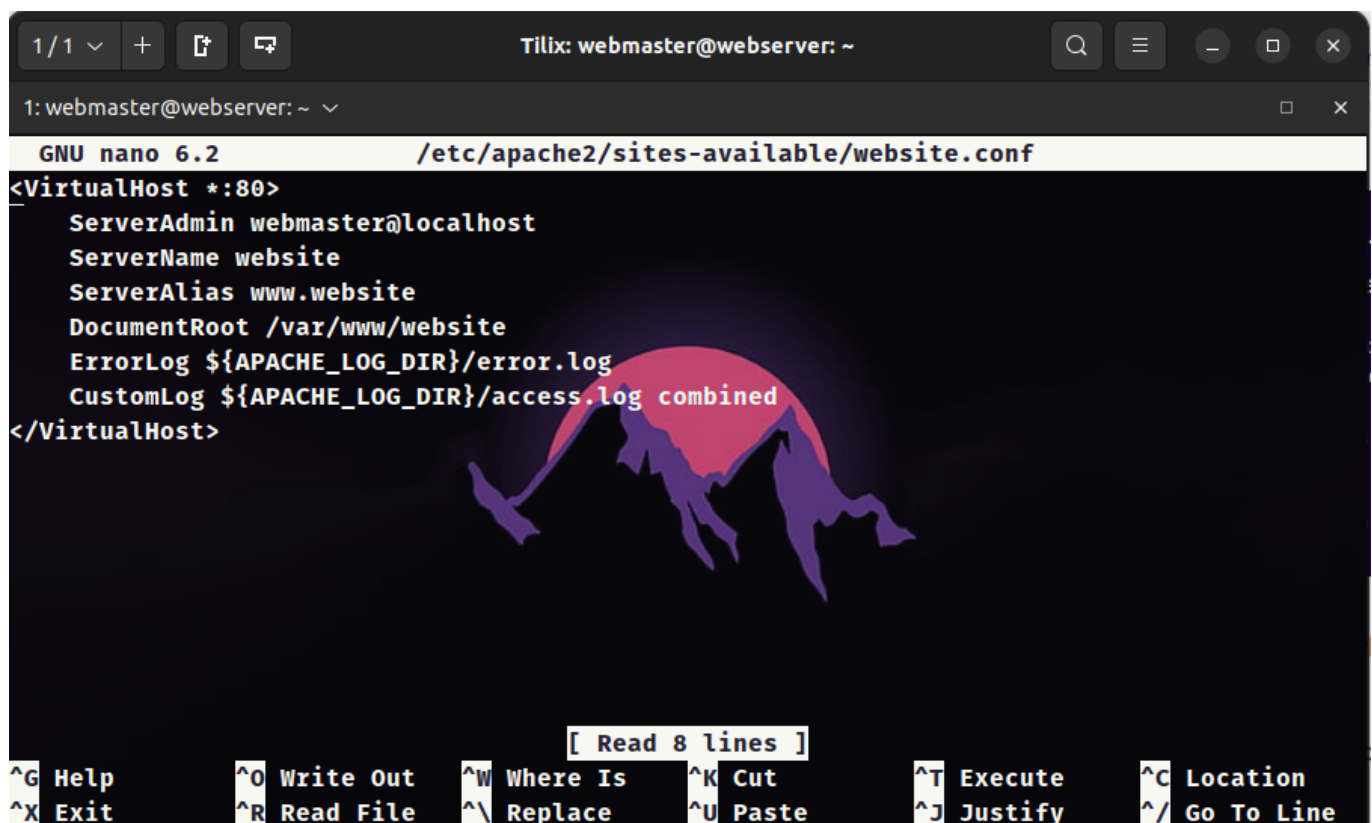


The screenshot shows a terminal window titled "Tilix: webmaster@webserver: ~". The active window is a nano editor editing the file "/etc/netplan/01-netcfg.yaml". The configuration is for a network interface named "eth0". It includes a version of 2, uses the networkd renderer, and sets the IP address to 192.168.1.166/24. It also lists nameservers (1.1.1.1, 8.8.8.8, 8.8.4.4) and a default route via 192.168.1.1. A status bar at the bottom indicates "[ Read 12 lines ]".

```
GNU nano 6.2 /etc/netplan/01-netcfg.yaml
network:
  version: 2
  renderer: networkd
  ethernets:
    eth0:
      addresses:
        - 192.168.1.166/24
      nameservers:
        addresses: [1.1.1.1, 8.8.8.8, 8.8.4.4]
      routes:
        - to: default
          via: 192.168.1.1
```

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

## Website Configuration

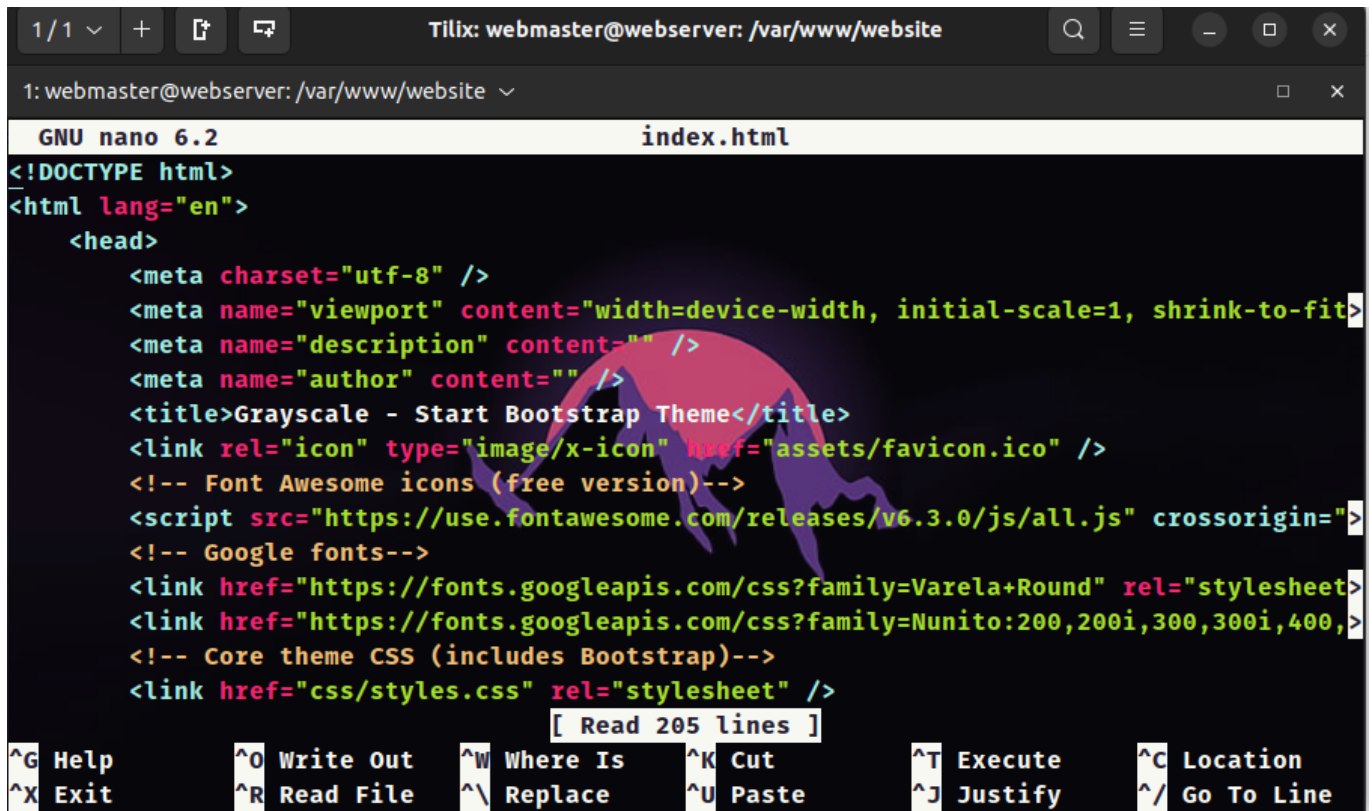


The screenshot shows a terminal window titled "Tilix: webmaster@webserver: ~". The active window is a nano editor editing the file "/etc/apache2/sites-available/website.conf". The configuration is for a VirtualHost \*:80. It sets the ServerAdmin to webmaster@localhost, the ServerName to website, and the ServerAlias to www.website. The DocumentRoot is set to /var/www/website. It also specifies the ErrorLog and CustomLog files. A status bar at the bottom indicates "[ Read 8 lines ]".

```
GNU nano 6.2 /etc/apache2/sites-available/website.conf
<VirtualHost *:80>
  ServerAdmin webmaster@localhost
  ServerName website
  ServerAlias www.website
  DocumentRoot /var/www/website
  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

## Index.html file

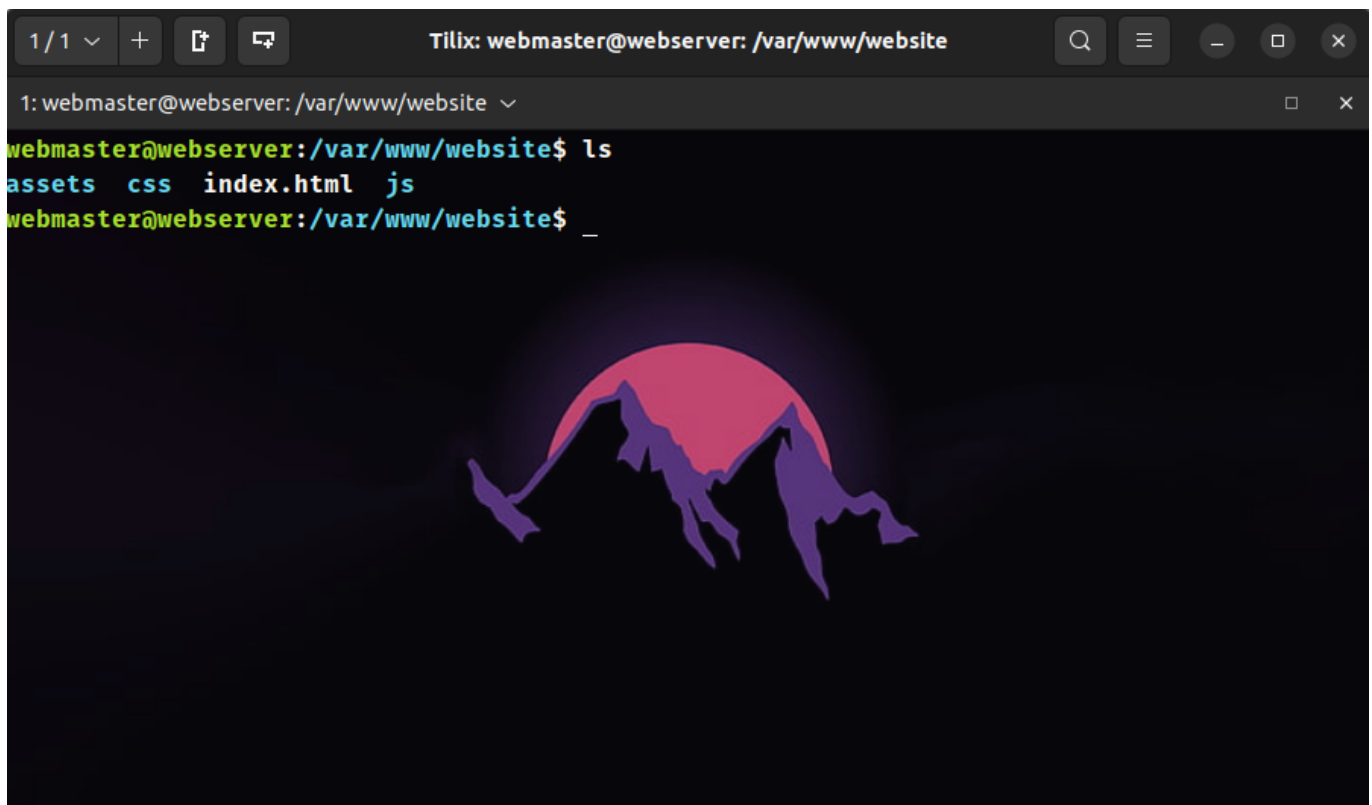


```
1/1  +  [icons]  Tilix: webmaster@webserver: /var/www/website  [search] [menu] [back] [close]
1: webmaster@webserver: /var/www/website  [close]
GNU nano 6.2 index.html
<!DOCTYPE html>
<html lang="en">
  <head>
    <meta charset="utf-8" />
    <meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=1">
    <meta name="description" content="" />
    <meta name="author" content="" />
    <title>Grayscale - Start Bootstrap Theme</title>
    <link rel="icon" type="image/x-icon" href="assets/favicon.ico" />
    <!-- Font Awesome icons (free version)-->
    <script src="https://use.fontawesome.com/releases/v6.3.0/js/all.js" crossorigin="anonymous"></script>
    <!-- Google fonts-->
    <link href="https://fonts.googleapis.com/css?family=Varela+Round" rel="stylesheet">
    <link href="https://fonts.googleapis.com/css?family=Nunito:200,200i,300,300i,400,400i" rel="stylesheet">
    <!-- Core theme CSS (includes Bootstrap)-->
    <link href="css/styles.css" rel="stylesheet" />
  </head>
  <body>
    <div class="text-center">
      <h1>Grayscale</h1>
      <p>Start Bootstrap</p>
    </div>
  </body>
</html>
```

[ Read 205 lines ]

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

## Website Directory



```
Tilix: webmaster@webserver: /var/www/website  [search] [menu] [back] [close]
1: webmaster@webserver: /var/www/website  [close]
webmaster@webserver:/var/www/website$ ls
assets  css  index.html  js
webmaster@webserver:/var/www/website$ _
```

## Website In Browser

