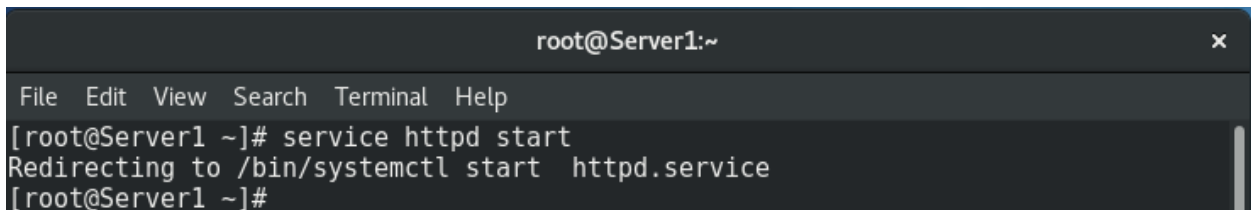# Lab - Configuring the Apache Web Server

Overview

The Apache Web Server is one of the most popular open-source HTTP Servers that exists today. It's a powerful, secure, and fully featured web server that can be found hosting anything from personal websites to corporate domains.
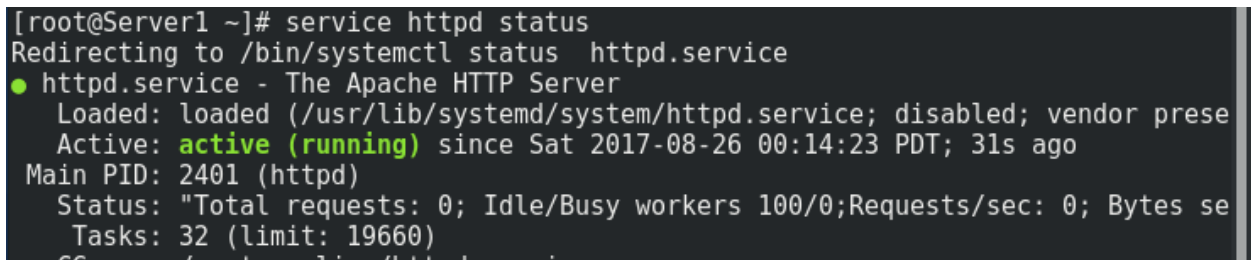
Begin the lab

1: Logon to your Linux OS as root.
2: Open a Terminal.
4: at a command prompt type: **service httpd start**

```
                              root@Server1:~                          ✕

 File  Edit  View  Search  Terminal  Help
[root@Server1 ~]# service httpd start
Redirecting to /bin/systemctl start  httpd.service
[root@Server1 ~]#
```

Type: **service httpd status** or **systemctl status httpd** to verify that the service has started.
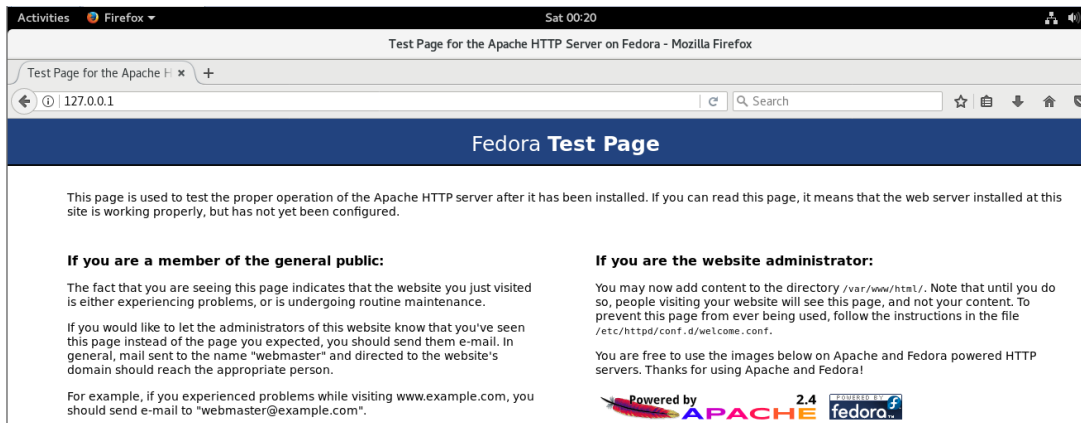
```
[root@Server1 ~]# service httpd status
Redirecting to /bin/systemctl status  httpd.service
● httpd.service - The Apache HTTP Server
   Loaded: loaded (/usr/lib/systemd/system/httpd.service; disabled; vendor prese
   Active: active (running) since Sat 2017-08-26 00:14:23 PDT; 31s ago
 Main PID: 2401 (httpd)
   Status: "Total requests: 0; Idle/Busy workers 100/0;Requests/sec: 0; Bytes se
    Tasks: 32 (limit: 19660)
```

5: If the Apache web server does not start it may not be installed properly. Go to **Applications, System Tools, Add/Remove Software**. Click on Package collections and choose Web server. If it is installed, uncheck the checkbox and let it uninstall. Close the Add/Remove Software screen and then reopen it and install the Web Server collection. The following command will also install the Apache Web Server but from the command line:
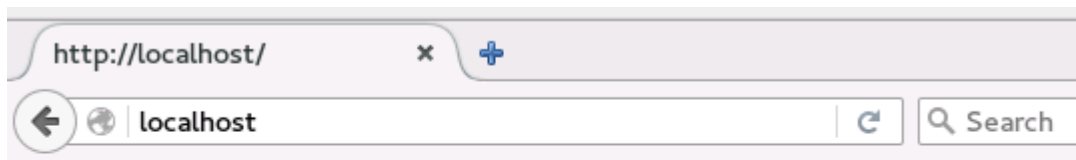
 dnf –y install httpd

6: Open Firefox browser (Applications, Internet, Firefox) and type in the URL http://127.0.0.1.

If the Fedora Test Page comes up, your server is working.

7: Configure a default web site on your web server:

    a. Type: `cd  /var/www/html`

    b. Type: `vi index.html` and Press the `Insert key` on the keyboard and (this will be your new default web page) Type something you want your web page to say like: **This Is My Default Web Site.**

    c. Press **the Esc key** on keyboard and Type: `:wq` (to save your text and quit the application)

    d. Restart your Firefox browsers by hitting **F5** on the keyboard or by typing http://localhost or http://127.0.0.1   in your browser.

    e. This should bring up your new web page.

Welcome to My Default webpage

End of lab.