

Starting and Stopping Kali Linux Services

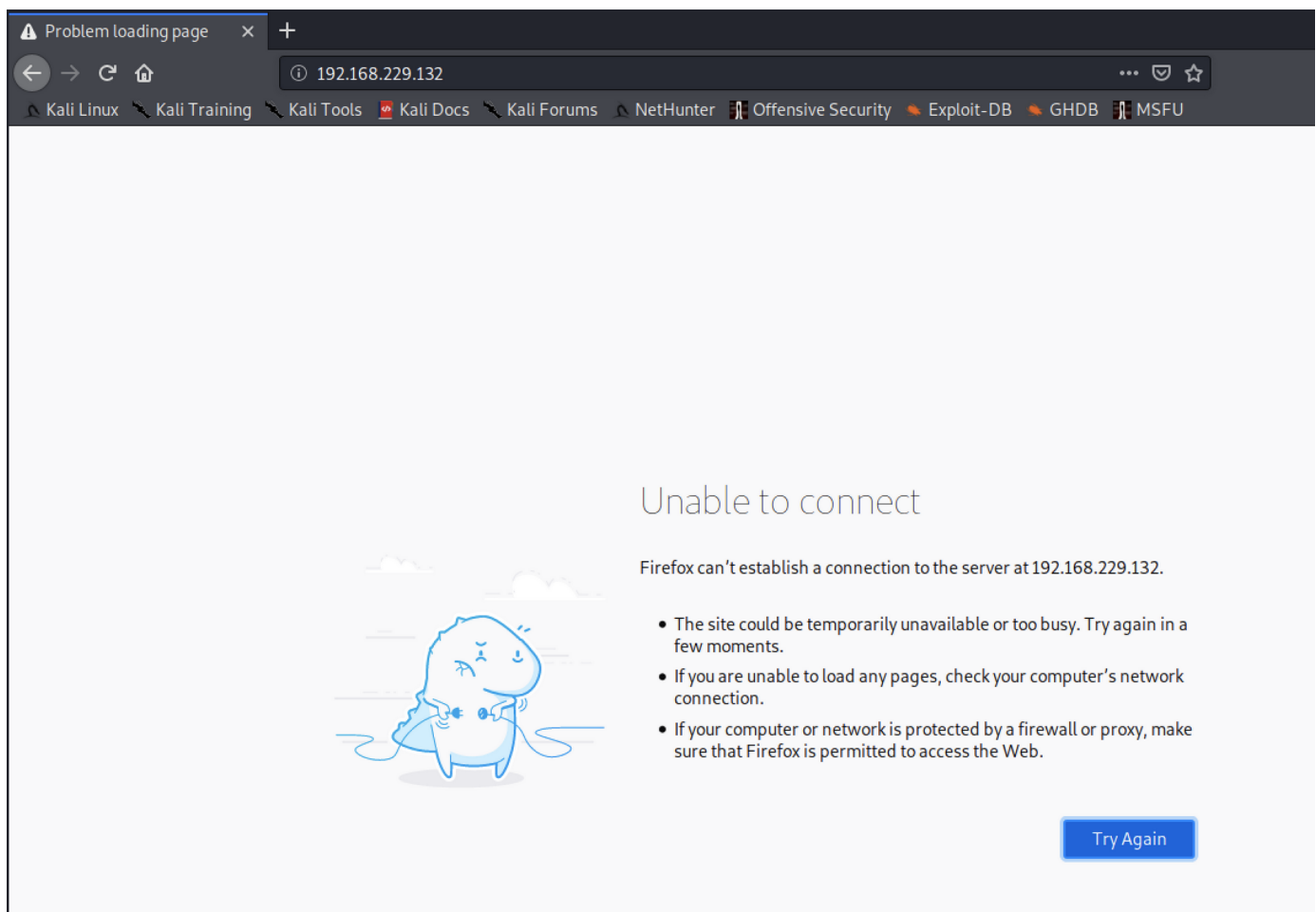
In this example we will start the Apache Web Server service (apache2 on linux)

1. Before we start the service, let's test the web server IP address in a browser shown in the pictures below:

```
root@kali:~# ifconfig
eth0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500
    inet 192.168.229.132 netmask 255.255.255.0 broadcast 192.168.229.255
    inet6 fe80::20c:29ff:fe6:c5b3 prefixlen 64 scopeid 0x20<link>
    ether 00:0c:29:f6:c5:b3 txqueuelen 1000 (Ethernet)
    RX packets 857 bytes 926193 (904.4 KiB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 387 bytes 42658 (41.6 KiB)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

lo: flags=73<UP,LOOPBACK,RUNNING> mtu 65536
    inet 127.0.0.1 netmask 255.0.0.0
    inet6 ::1 prefixlen 128 scopeid 0x10<host>
    loop txqueuelen 1000 (Local Loopback)
    RX packets 36 bytes 1836 (1.7 KiB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 36 bytes 1836 (1.7 KiB)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

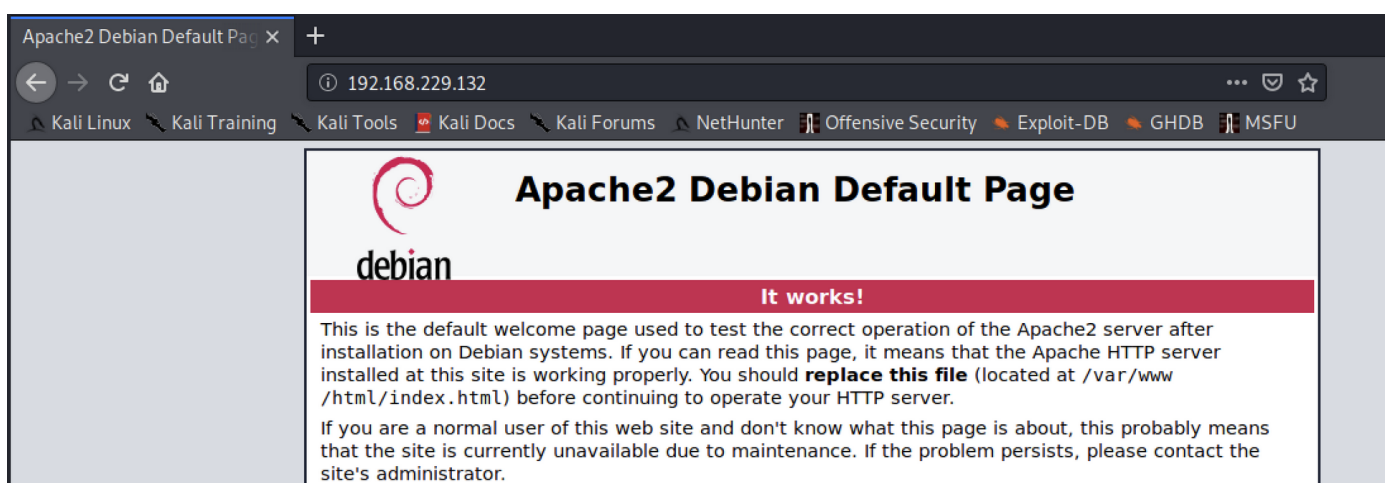
root@kali:~# █
```



We can see that the machine using that IP address is unreachable because the web server service is disabled.

2. Let's enable the Apache2 Web Server service using the following command "`service apache2 start`":

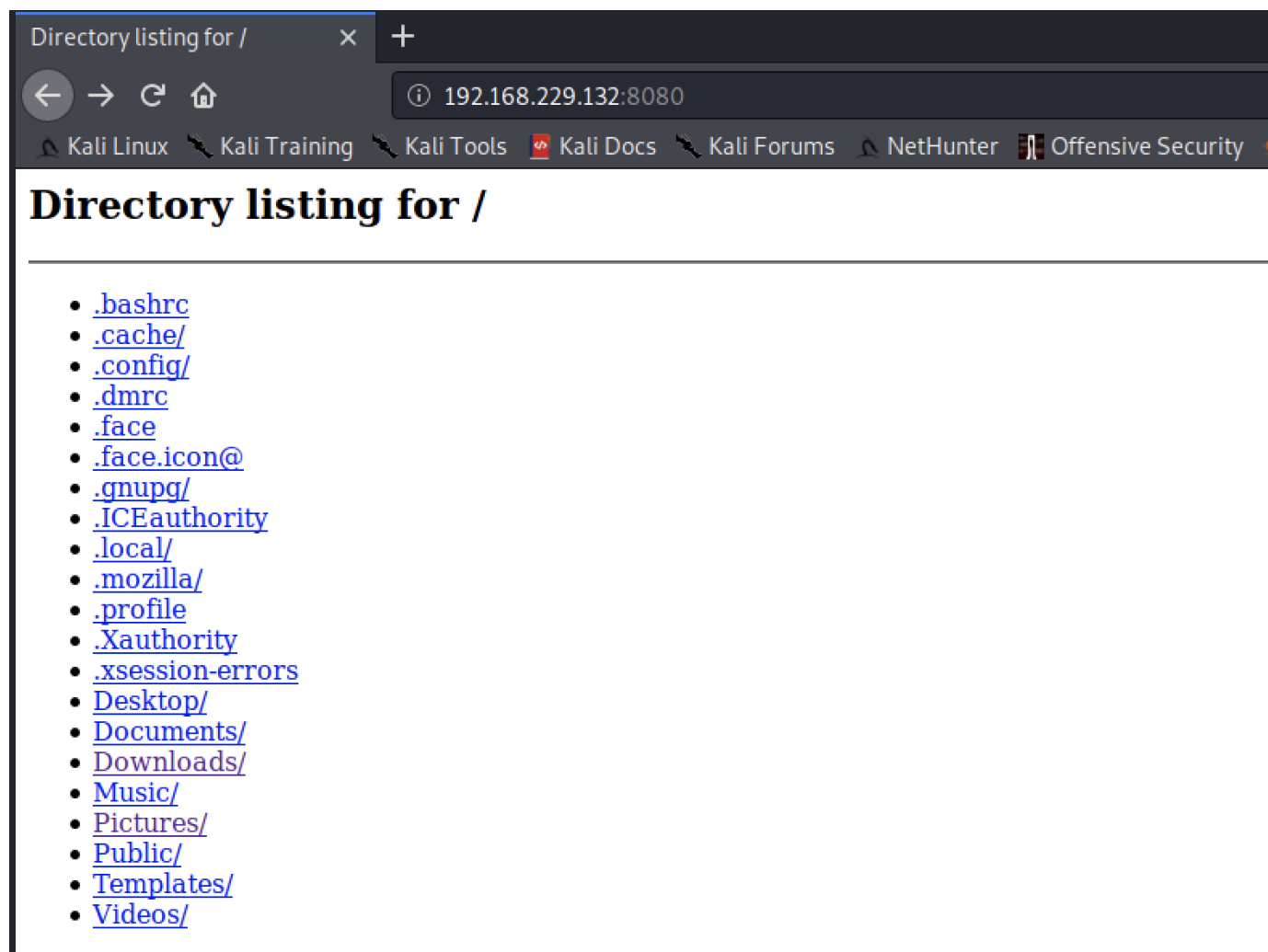
```
root@kali:~# service apache2 start
root@kali:~#
```



If we want to host a webpage we can go to the "`/var/www/html/`" directory.

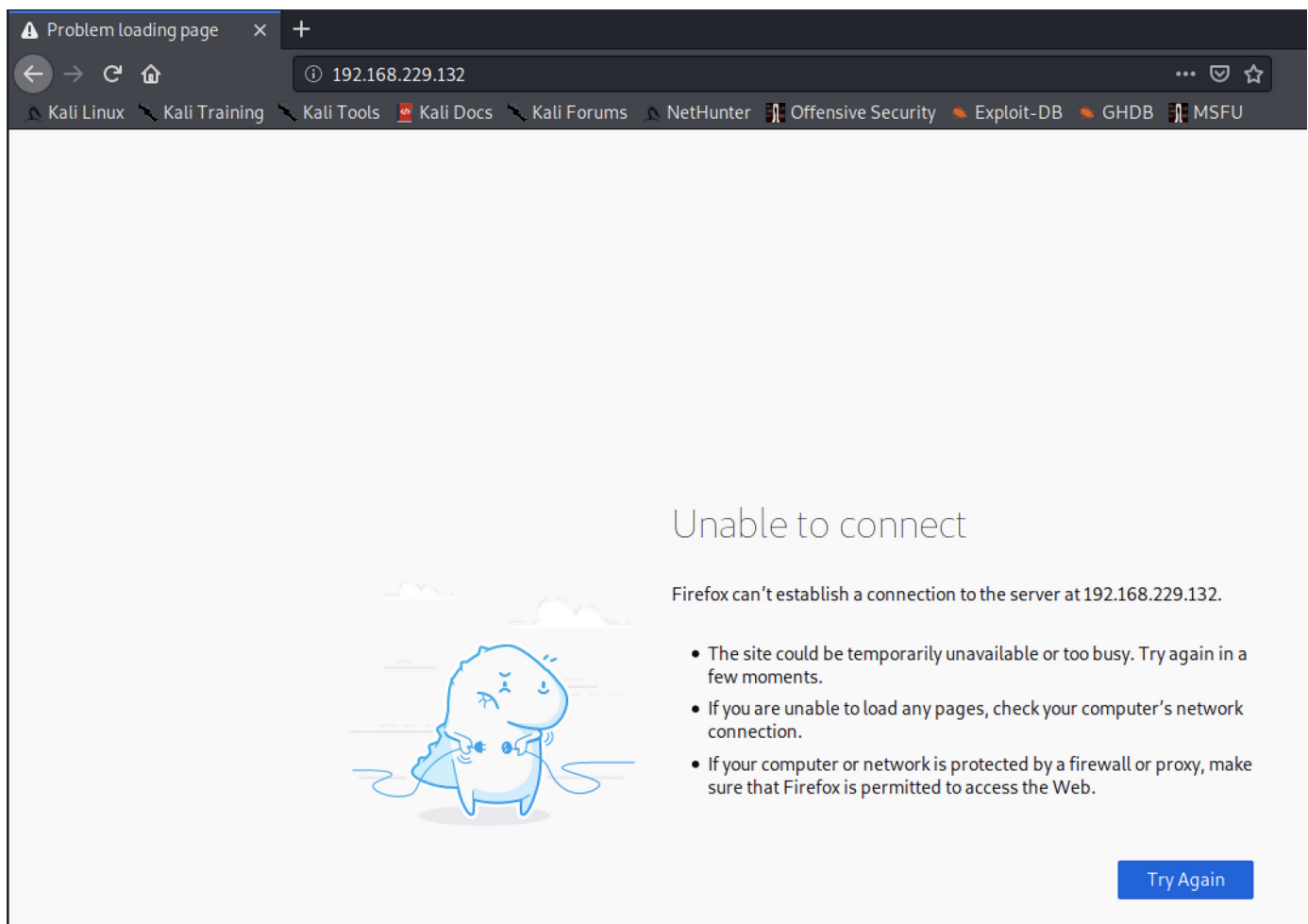
We can also spin up a Web Server using this command "`python -m SimpleHTTPServer 8080`" shown below:

```
root@kali:~# python -m SimpleHTTPServer 8080
Serving HTTP on 0.0.0.0 port 8080 ...
```



3. Let's stop the Apache2 Web Server service using the "`service apache2 stop`" command as shown below:

```
root@kali:~# service apache2 stop
root@kali:~#
```



In this example, let's try permanently enabling a service such that it starts whenever our machine boots/reboots. We will use the postgresql service:

Use the "`systemctl enable postgresql`" command shown below:

```
root@kali:~# systemctl enable postgresql
Synchronizing state of postgresql.service with SysV service script with /lib/systemd/systemd-sysv-install.
Executing: /lib/systemd/systemd-sysv-install enable postgresql
Created symlink /etc/systemd/system/multi-user.target.wants/postgresql.service → /lib/systemd/system/postgresql.service.
root@kali:~#
```