11/3/2021

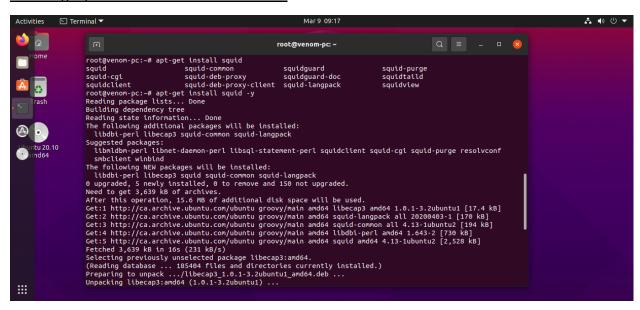
Proxy Server

System Administration

Jadhusan M.S

SQUID SERVICE

Installing Squid Service in Ubuntu Machine



Start / Enable and Check the status of Squid Service.

Install Firewall.

Assign the squid service port number to firewall.



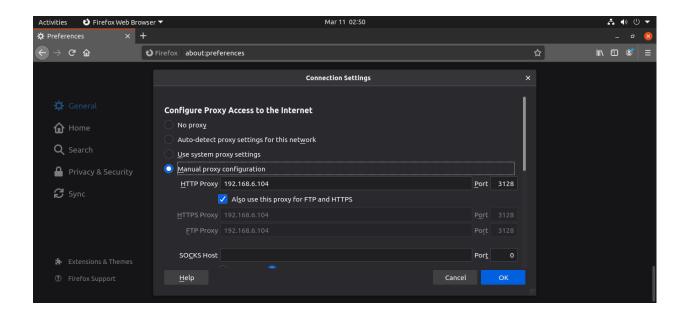
Before Configuring the squid service, get a backup of the config file.



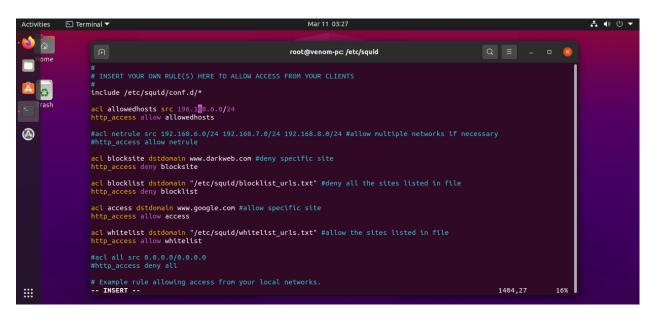
Ipaddress verifying in ubuntu.

```
root@venom-pc: ~
root@venom-pc:~# ifconfig
ens33: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500
inet 192.168.6.104 netmask 255.255.255.0 broadcast 192.168.6.255
        inet6 fe80::67fd:6539:81ec:711d prefixlen 64 scopeid 0x20<link>
        ether 00:0c:29:ea:cb:42 txqueuelen 1000 (Ethernet)
        RX packets 1403 bytes 1510831 (1.5 MB)
        RX errors 0 dropped 0 overruns 0 frame 0
        TX packets 1658 bytes 130427 (130.4 KB)
        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 1170 bytes 102188 (102.1 KB)
        RX errors 0 dropped 0 overruns 0 frame 0
        TX packets 1170 bytes 102188 (102.1 KB)
        TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0
root@venom-pc:~# ip r
default via 192.168.6.1 dev ens33 proto dhcp metric 100
169.254.0.0/16 dev ens33 scope link metric 1000
192.168.6.0/24 dev ens33 proto kernel scope link src 192.168.6.104 metric 100
root@venom-pc:~#
```

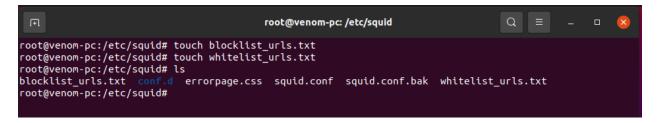
Manually Assinging Proxy Server to firefox.



Configuring the SQUID SERVICES.



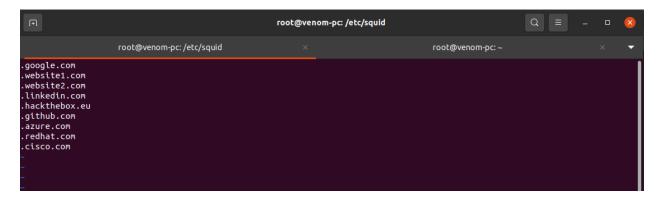
Creating URL files.



Vim blocklist urls.txt

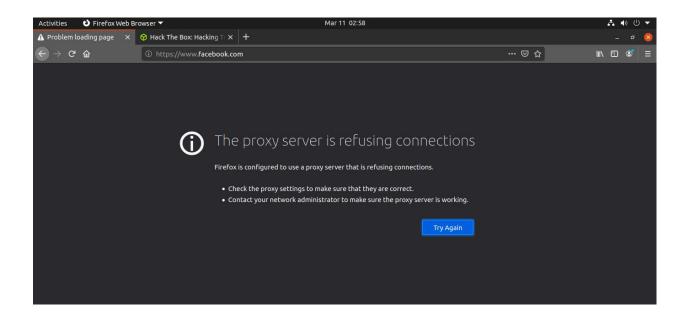


vim whitelist urls.txt.



Restart the services And Check the status.

DENIED SITE



ALLOWED SITE

