SQUID PROXY SERVER

Install squid

```
[root@vivek ~]# yum install squid* -y
Updating Subscription Management repositories.
Unable to read consumer identity
This system is not registered to Red Hat Subscription Management. You ca
Waiting for process with pid 20432 to finish.
```

Services start

```
[root@vivek ~]# systemctl start squid
[root@vivek ~]# systemctl enable squid
Created symlink /etc/systemd/system/multi-user.target.wan
[root@vivek ~]# systemctl status squid
● squid.service – Squid caching proxy
   Loaded: loaded (/usr/lib/systemd/system/squid.service;
   Active: active (running) since Thu 2022-03-03 08:25:38
```

Configure firewall port

```
[root@vivek ~]# firewall-cmd --permanent --zone=public --add-port=3128/tcp
success
[root@vivek ~]# firewall-cmd --reload
success
[root@vivek ~]#
```

Open configure file

```
[root@vivek ~]# vim /etc/squid/squid.conf
```

Add ip

```
# should be allowed
acl localnet src 192.168.192.133/24
http_access allow localnet
```

Services restart

```
[root@vivek ~]# systemctl restart squid
```

Client side

Connection Settings   ×

Configure Proxy Access to the Internet

○ No proxy

○ Auto-detect proxy settings for this network
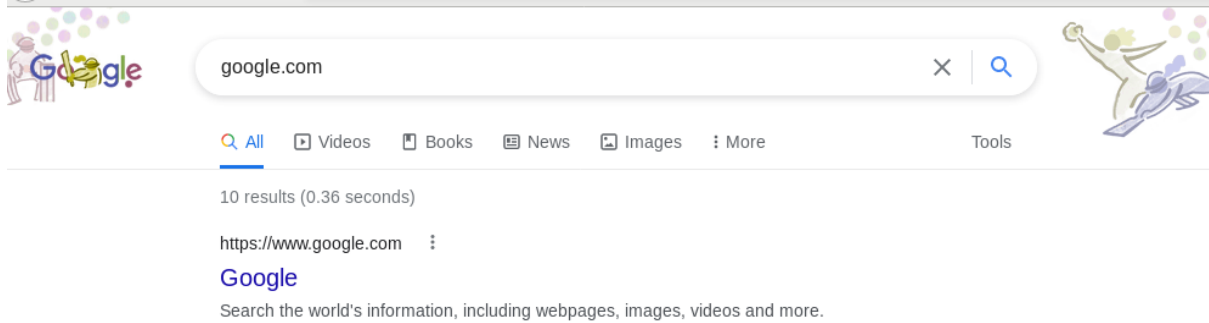
○ Use system proxy settings

● Manual proxy configuration

HTTP Proxy 192.168.254.133   Port 3128

☐ Use this proxy server for all protocols

SQUID PROXY SERVER

Search any

Google

google.com   ✕   🔍

🔍 All   ▶ Videos   📖 Books   📰 News   🖼 Images   ⋮ More   Tools

10 results (0.36 seconds)

https://www.google.com   ⋮

Google

Search the world's information, including webpages, images, videos and more.

Check eho access proxy using

```
[root@vivek ~]# tail /var/log/squid/access.log
1646373934.729     0 192.168.254.139 TCP_DENIED/403 4107 GET http://detectportal.firefox.com/success.txt - HIER_NONE/- text/html
1646373934.733     0 192.168.254.139 TCP_DENIED/403 4107 GET http://detectportal.firefox.com/success.txt - HIER_NONE/- text/html
1646373934.769     0 192.168.254.139 TCP_DENIED/403 4107 GET http://detectportal.firefox.com/success.txt - HIER_NONE/- text/html
1646373934.827     2 192.168.254.139 TCP_DENIED/403 4107 GET http://detectportal.firefox.com/success.txt - HIER_NONE/- text/html
1646373934.846     0 192.168.254.139 TCP_DENIED/403 4107 GET http://detectportal.firefox.com/success.txt - HIER_NONE/- text/html
1646373934.849     0 192.168.254.139 TCP_DENIED/403 4107 GET http://detectportal.firefox.com/success.txt - HIER_NONE/- text/html
1646373937.120     0 192.168.254.139 TCP_DENIED/403 4079 POST http://ocsp.pki.goog/gts1c3 - HIER_NONE/- text/html
1646374033.752     0 192.168.254.139 TCP_DENIED/403 4085 GET http://google.com/ - HIER_NONE/- text/html
1646374033.935     0 192.168.254.139 TCP_DENIED/403 4159 GET http://vivek.gandhi.com:3128/squid-internal-static/icons/SN.png - HIER_NONE/- text/html
1646374034.036     0 192.168.254.139 TCP_DENIED/403 4019 GET http://google.com/favicon.ico - HIER_NONE/- text/html
[root@vivek ~]#
```

Block side first I checked you tube open or not

← → C ⌂   ⓘ 🔒 https://www.youtube.com

☰ ▶ YouTube ᴵᴺ   Search   🔍 🎤

🏠 Home   All Bollywood Music Live Mantras Music T-Series Bhavya Gandhi Comedies Devi Sri Prasad Game shows Allu Arjun Tamil Cin

◎ Explore   ▶ YouTube Premium
▣ Shorts
▣ Subscriptions Students only: Save on ad-
                 free YouTube
▣ Library
◷ History   GET IT NOW

Sign in to like videos,
comment, and subscribe.

⊕ SIGN IN

BEST OF YOUTUBE

♬ Music

Then I block server side youtube

```
[root@vivek ~]# vim /etc/squid/squid.conf
```

```
#  should be allowed

acl blocksites url_regex "/etc/squid/blocksites"
http_access deny blocksites

acl localnet src 192.168.192.133/24
http_access allow localnet
```
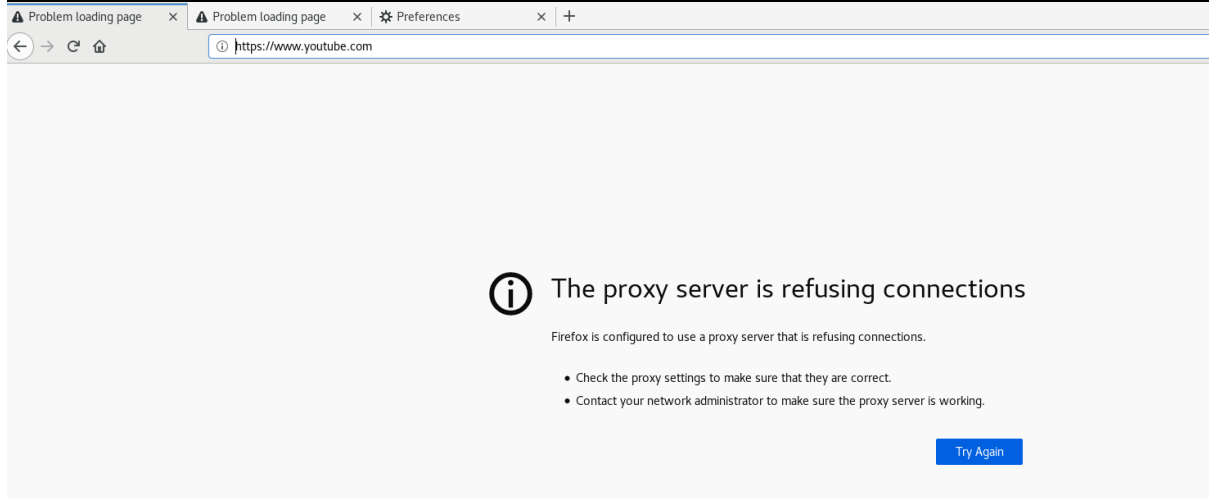
Block website

```
[root@vivek ~]# vim /etc/squid/blocksites
.youtube.com
.facebook.com
.amazone.in
.flipkart.com
~
```

SQUID PROXY SERVER

Services restart

```
[root@vivek ~]# systemctl restart squid
```

Block site client side

Problem loading page × **Problem loading page** × ⚙ Preferences × +

https://www.youtube.com

ⓘ The proxy server is refusing connections

Firefox is configured to use a proxy server that is refusing connections.

- Check the proxy settings to make sure that they are correct.
- Contact your network administrator to make sure the proxy server is working.

Try Again