**How to Install and Configure Squid Proxy on CentOS 7**

A proxy server is a computer which sits between two endpoint devices and acts as an intermediate device. When the client computer

requests a resource from the server, it may be a file or a web page, the request is sent to the proxy server first.The proxy server

then sends the request to the destination server and obtains the resource sent by the server. Once the resource is obtained by the

proxy server, it sends the resource to the client machine. The use of a proxy server is that it can cache the resource, for example

if a website is accessed frequently from a proxy server, it's likely that the proxy server will have the content of the site in its

cache, it can now serve the webpage directly to the user. A proxy server can be used to facilitate security, administrative controls

and caching services. Proxy servers can also be used for anonymity as whenever obtaining a resource from a server, proxy server uses

its own IP address rather than the client's IP address.

Installation of Squid

yum -y install squid

Once the installation is completed, start and enable the Squid service:

systemctl start squid

systemctl enable squid

Configuration of Squid

vi /etc/squid/squid.conf

**Allow IP Address to Use the Internet Through Your Proxy Server**

acl localnet src 192.168.72.69/24

**Then restart squid service**

systemctl restart squid

**Blocking Websites**

**Create a file called blocked\_sites and then specify the path of this file in ACL to block websites in squid proxy.**

vi /etc/squid/blocked\_sites

**Now enter the list of sites you want to block. One website per line.**

www.gmail.com

www.facebook.com

www.techmint.com

www.amazon.com

**Save the file and exit the editor.**

**Now open the Squid configuration file again using the following command.**

vi /etc/squid/squid.conf

**Enter the following lines under acl list and http\_access list.**

acl blocked\_sites dstdomain "/etc/squid/blocked\_sites"

http\_access deny blocked\_sites

**Reload the Squid daemon**

systemctl restart squid

Note:- If you follow this Document correctly and still not able to block YouTube.com and Facebook.com, so you might be trying

to block “HTTPS domains” e.g (https://youtube.com or https://facebook.com) using this method. This method will not work for HTTPS domains.

---------------------------------------------------------------------------------------------------

On Client Machine (Windows)

**Now open up chrome browser on client computer and point squid server IP in proxy settings with 3128 port.**

STEP1 : Click the "Triple dot" button and then "select Settings".

STEP2 : you see the "advanced" link and then click on it.

STEP3 : then click on "Accessibility"

STEP4 : you can see "Open proxy settings"

STEP5 : On the Internet Properties window, click on the "LAN settings" button.

STEP6 : In the LAN Settings, uncheck the box that says "Automatically detect settings." And then, in the Proxy Server

section, click the checkbox to enable "Use a proxy server for your LAN..."

STEP7 : In the Address field, enter the IP Address of your Proxy Server, and the Proxy Server Port Number in the Port field.

Press the OK button and then press OK again to save your settings.

then type the URL in search bar google.com

then, u can check its blocked ur google.com site.

...................finished.......!!!!!!