

Squid installation

yum install squid

vi /etc/squid/squid.conf

↳ uncomment "cache_dir ufs /var/spool/squid ^{cache size} 2048
16 256

16.dir 256 sub directories under each directory.

after this line add this line

visible_hostname proxy.hpcsaq.lab

squid -z → sq swapp dir. creating

systemctl start squid

systemctl enable squid

- then go to client browser setting & search 'proxy'

- open proxy setting

- select manual proxy conf.

- HTTP proxy = 10.10.10.128 (host ip firewall) Port 3128.

- select 'use this proxy server for all protocols'

- select 'SOCKS v5'

& save

Now try to browse google, microsoft

Block microsoft website

vi /etc/squid/squid.conf

↳ line 48 acl hpcsaqlab src 10.10.10.128/24

line 49 acl microsoft ~~src~~ destdomain .microsoft.com

line 50 - http_access deny microsoft hpcsalab

line 51 - http_access allow hpcsalab.

comment line "http_access allow localhost

systemctl restart squid.service.

now try to access microsoft.com site on client browser it will be not accessible

Block multiple sites

vi /etc/squid/squid.conf

↳ line 49 - acl blocked_sites dstdomain "/etc/squid/blocked_sites.txt"

line 50 - http_access deny blocked_sites hpcsalab

vi /etc/squid/blocked_sites.txt

↳ .google.com

.youtube.com

.cdac.in

.microsoft.com

systemctl restart squid.service.

now try to access these 4 sites it will be blocked

Block sites for particular user

vi /etc/squid/squid.conf

↳ acl firewall-centos-machine src 10.10.10.130.

acl firewall-centos dstdomain "/etc/squid/firewall-centos-blocked-sites.txt"

http-access deny firewall-centos firewall-centos-machine

systemctl restart squid.service

Block works from url

vi /etc/squid/squid.conf

↳ acl badwords url_regex -i "/etc/squid/badwords.txt"
http-access deny badwords hpcsalab

vi /etc/squid/badwords.txt

↳ ip1
bookmyshow
football
crep

systemctl restart squid.service.

Now you will not able to access ip1t20.com, you will able to search 'ip1' but not able to access the website.
