                          Squid Server = Proxy caching server
                           Default Port No. 3128

Squid is a caching proxy for the web supporting http, https, ftp. it reduces bandwidth and improves
response times by caching & reusing frequently-requested web pages. another function is internet sharing
& security

Two Important gols:-
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1. Reduce internet bandwith charges
2. Limit access to the web to only authorized users.

===
How to Configure Squid Server..???

yum clean all
yum install squid -y
vim /etc/squid/squid.conf

go to line no 82

http_port 8080   [to change port u want]

add line anywhere

Configure ACL for ip, network or all
===
acl bad_host src 192.168.0.1/192.168.0.0/24/all   [by source to allow and deny ip or network]
http_access deny bad_host
===
acl deny_host dst 192.168.0.254   [by destination allow/deny]
http_access deny deny_host
===
acl all_port 80 21
http_access deny all_port   [by port allow/deny]

:wq
===
Restricting bad words

acl words url_regex sex sexy
http_access deny words
===
Restricting web access by time.

acl work_time time 10:00-17:00   [24 hrs set]
http_access allow work_time

acl work_time1 time M 9:00-10:00
http_access deny work_time1
===
Sun = S
Mon = M
Tue = T
Wed = W
Thu = H
Fri = F
Sat = A
===
service squid restart
chkconfig squid on

[NOTE:- to stored squid log in /var/log/squid/*]
===
NOTE:-
acl = command
bad_host = acl name

```
src = Type (source)
dst = Type (destination)
==========================================

Go to client site
=================
open Firefox

- Edit-->Preference-->Advanced-->Network-->setting-->Manual Proxy configuration
 HTTP Proxy 192.168.0.75 port 8080
 click on check box - use this proxy server for all protocol
OK

then access web site
http://192.168.0.75
=============================
            END

dstdomain
srcdomain
```