

Proxy server Controls client computers access to the internet.

It blocks the users from accessing undefinable website and hides the internal identify of the network

If improves performance by storing webpages only. It is generally used to share internet connection to more than one client.

Squid Proxy is widely used as proxy because it provides many features and it is open source.

Squid Proxy Server :

Squid proxy can be configured as
simple
caching webserver
firewall

Requirements :

Packages : squid - 2.5 STABLE ... rpm
portno : 3128 - proxy
 3130 - ICP (Internet Cache Protocol
configuration File : /etc/squid/squid.conf
Service : squid
Daemon : squid

In the proxy configuration file every individual requirement should be defined with ACL. For every Acl either to access (or) to reject.

Syntax :

1. acl <acl-name> <keywords> <requirements>
2. http-access <aclname> <deny/allow>

Configuration on Serverside :

1. Install the packages :

```
# yum install squid* -y
```

2. Open the configuration file :

```
# vi /etc/squid/squid conf
```

3. Go to line no. 993 and remove `#'

4. Mention the Rules :

```
acl yahoo src 192.168.0.1/24 #2518  
acl yahoohours time S M T W H F A 09:00 -17:00  
acl yahoo-site url-regex www.yahoo.com  
http-access yahoo allow
```

Note : 1. If requirement is interms of network then use the keyword 'src'.

2. If requirement is website then use the keyword 'url-regex'.

3. If requirement is time then use keyword 'time'.

here S-sunday, M-monday, T-Tuesday, W-Wednesday, H-Thursday, F-Friday,
A-Saturda: The first time must be lessthan second time. i.e. h1:m1 <h2:m2

Restart the Service :

```
# service squid restart
```

Configuration on client side :

Here client is nothing but, any pc wich has the web browser.

Web client connected to squid proxy xserver only when the configuration is done.

How to connect to proxy Server

At Text Based WebBrowser

elinks

Press 'esc' key

setup => optionsmanager => expand the protocols Http => proxy
configuration => edit the host and portno => put the ipaddress:portno of
proxy server 192.168.0.2:3128 => ok => close.

At Graphical Web Browser :

firefox &

Edit -----> Preferences => Connection settings -----> General => select
the radiobutton manualproxyconfiguration -----> in FFTP proxy put
ipaddress:portno. of proxy server => ok close.