SQUID

* It is a proxy server which acts as a intermediate between client and server. it also acts as web cached daemon which makes web surfing faster by caching frequently viewed websites, It supports http, ftp, https protocols and supports in all platforms like Unix, Linux, windows, Mac.
* Default port = **3128.** You can change it if you want.
* Install Squid = yum install squid.
* Now, go to squid main configuration file /**etc/squid/squid.conf**. There you can see all the acl rules and default port number.
* You can block sites, specific strings, download types, office timings and change port number by adding rules in main configuration file.
* If you want to add any rules, add those after the **" acl CONNECT"** line. the rules won't work if you add before this line. After you make any changes in main configuration file "RESTART" the service.
* Logs **= /var/logs/access.log**. All the squid users history saved here. By using this file you can see who is accessing which websites.
* Cache = **/var/log/cache.log**..Stores all the frequently and repeated websites.
* To allow your specific office network,

Go to **squid.conf**, add a rule below **CONNECT LINE**.

**acl office src 192.168.10.0/16**

**http\_access allow office**

It will access only this specified network.

You can deny specific network by just adding deny in the place of allow everything remain same.

You can block a specific ip, by just giving the only ip in the place of network and give deny in the place of allow.

* To block sites, Go to squid.conf

**acl filename dstdomain “/etc/squid/filename”**

**http\_access deny filename.**

* Add comment (#) to http\_access deny all. Only after this the blocking will work.
* You can block the **certain download types** using squid. Create a file and make a list of download types like - .\*\.mp3$, .\*\.mp4$ etc. Save the file.
* Go to squid.conf,

**acl filename url\_regex -i "/etc/squid/filename"**

**http\_access deny file.**

* You can also **block certain words** using squid, by specifying the word.
* create a file with the words to block and save the file. Go to squid.conf,

**acl file url\_regex -i "/etc/squid/file"**

**http\_access deny file.**

* To block internet based on **MAC ADDRESS**. Go to squid.conf,

**acl block arp mac-to-block**

**http\_access deny block**

* After configuring all the settings in the squid. Go to client machine, open firefox, and give your squid server ip and port to route the incoming and outgoing traffic from your server.