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Setup Squid Proxy Server

```
apt-get install squid
```

Installs basic - but with no options.

Config Squid Proxy for Initial Use

The following options were added into /etc/squid/squid.conf

```
http_port 3128
//as an alternative to above, as I just wanted to access squid locally, I had:
http_port 127.0.0.1:3128
```

That Should be It!

To allow individual Clients besides Localhost

```
acl phi src 136.201.146.211
http_access allow phi
```

Info and basic settings got from:

http://www.howtoforge.com/linux_secure_browsing_squid

Main One = <http://www.debianhelp.co.uk/squid.htm>

Bandwidth Delay/Limit using Squid Proxy Server ->

Example Used:

```
delay_pools 1
delay_class 1 3
delay_access 1 allow users
delay_access 1 deny all
delay_parameters 1 -1/-1 64000/64000 6000/64000
#assumed 256 is top speed
#1250=10 Kbps
```

Squid_Proxy

<http://www.squid-cache.org/mail-archive/squid-users/200411/0692.html>

More Info at: <http://knowlinux.blogspot.com/2006/04/bandwidth-throttling-using-squid.html>

Logging on Squid Proxy Server

If you want to log all the access made to the Squid Proxy Server, which is very useful for debugging access requests, do the following:

```
vi /etc/squid/squid.conf
#uncomment the following:
cache_access_log /var/log/squid/access.log
```

Thats it.

Use identd to log users

In squids logs (/var/log/squid/access.log), you can have the username appear. Typically people may ssh in and portforward port 3128 and then use localhost:3128 in their Internet Browser.

Install oidentd

```
apt-get install oidentd
```

oidentd listens on port 113. oidentd runs as a daemon and can be controlled in /etc/init.d/ Other identd packages don't come with init scripts.

Test identd

telnet localhost 113, and then enter: port1, port2 (where port1 and port2 are source and destination ports. Choose any numbers to test).

```
root@server:~# telnet localhost 113
Trying 127.0.0.1...
Connected to localhost.
Escape character is '^]'.
1234,80
1234,80:ERROR:NO-USER
Connection closed by foreign host.
```

Edit Squid Config

```
vi /etc/squid/squid.conf
    acl ident_aware_hosts src 127.0.0.1/255.255.255.255
    ident_lookup_access allow ident_aware_hosts
    ident_lookup_access deny all
```

Squid_Proxy

```
/etc/init.d/squid restart
```

That should be it. You can now tail your squid logs, and usernames will appear.