

## HOWTO setup Squid Proxy & DansGuardian Internet Content Filter

For Debian

### Installing and Configuring Squid

Install the Squid Proxy Server

Apt get install squid

If you want to change the default port that squid listens on [3128], change the http\_port tag using vi, making a backup copy first. If installing dansguardian, leave it at 3128.

```
cp /etc/squid/squid.conf /etc/squid/squid.conf_backup
vi /etc/squid/squid.conf
http_port 3128
```

OK, now we'll setup who is allowed access to the proxy. Find the http\_access section acl our\_networks src 192.168.1.0/24 192.168.2.0/24

```
http_access allow our_networks
```

Note: If you get a startup error 'FATAL: Could not determine fully qualified hostname. Save the file and close (Esc :wq).

### Installing and Configuring DansGuardian

To install DansGuardian, use the following command

Apt-get install dansguardian

Once the package is installed, edit the following lines in the conf file to match, this will set DansGuardian to do basic filtering and use Squid as its proxy server.

```
# UNCONFIGURED
filterip =
filterport = 8080
proxyip = 127.0.0.1
proxyport = 3128
```

The default filtering for Dansguardian is pretty severe and would be appropriate for use in a typical grade school environment. You can fine tune it to your own needs by editing some of the files below. Caution: Some of them contain words not often used in mixed company.

To configure banned/exception sites based on either phrases, ip addresses, urls, mime type, etc... you would need to edit one of the following files. All files are located in

```
/etc/dansguardian/
bannedextensionlist
bannediplist
bannedmimetyplist
```

**bannedphraselist**  
**bannedregexpurllist**  
**bannedsitelist**  
**bannedurllist**  
**banneduserlist**

**exceptioniplist**  
**exceptionphraselist**  
**exceptionsitelist**  
**exceptionurllist**  
**exceptionuserlist**  
**exceptionvirusextensionlist**  
**exceptionvirusmimetyplist**  
**exceptionvirussitelist**  
**exceptionvirusurllist**

### **Restarting Squid and DansGuardian**

**Whenever a file is edited, it is good practice to restart both Squid and DansGuardian services by using the following commands**

**/etc/init.d/dansguardian restart**  
**/etc/init.d/squid restart**

**## to see if the service is running\$ ps -e | grep dansguardian**

**Now that Squid and DansGuardian are configured, test it by setting up your browser to use the proxy server with port 8080.**

Try surfing to a website like [www.playboy.com](http://www.playboy.com) and you should get a message that it is blocked.