11/3/2021

Proxy Server

System Administration

E2 GUARDIAN

E2 Guardian is the advanced version of Dans Guardian for web content filtering.

Filtering group

A filtering group is a way to identify one or more users who will share some settings, for example what's banned and what's allowed.

Filtering lists

- When you install E2G you will find a directory called lists containing various lists to help you define what's allowed and what's blocked.
 - ban lists, to completely ban something
 - exception list, to trust something so that it's always allowed
 - a grey list, something in between a ban and exception (white) list, which trusts a site but still subjects it to content checking
 - phrase lists, that help you allow or ban pages based on the content (words) appearing on the page

For ban, exception and grey lists, there are 4 ways you can express them:

- a straight site ban, ie example.com, which would ban example.com and any subdomain
- a regular expression, ie *.css, which would allow all the css files
- a url, to allow or ban a page, while the rest of the domain can be allowed/banned.
- a mime type, especially useful for files

Words/Phrase list

➢ if you were to visit a page containing the words "cussing", "leaning linux" and "badness" its total score would be +100-100+100=100. If your naughtiness level is 50, ie less than the total, the page will be blocked, otherwise it will be allowed.

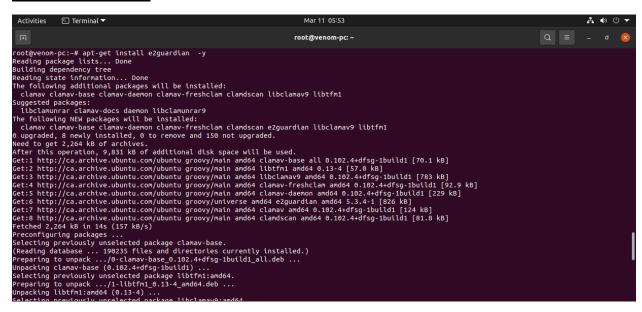
E2G configuration

> The main configuration file for e2g is called e2guardian.conf. If you are running a simple filter with just one group on standard ports, there isn't actually anything to change in this file.

Checking for E2Guardian

```
root@venom-pc:~# apt-cache search dansguardian
e2guardian - Web content filtering (Dansguardian fork)
libdansguardian-perl - Simple module for administer dansguardian's control files
root@venom-pc:~# apt-cache search e2guardian
e2guardian - Web content filtering (Dansguardian fork)
root@venom-pc:~#
```

Installing E2Guardian



Start / Enable and Check the status of E2Guardian Service.

Backed up the config file

```
root@venom-pc:/etc/e2guardian/
root@venom-pc:/etc/e2guardian/
root@venom-pc:/etc/e2guardian# ls
authplugins contentscanners e2guardian.conf examplef1.story lists site.story
common.story downloadmanagers e2guardianf1.conf languages preauth.story
root@venom-pc:/etc/e2guardian# cp e2guardian.conf e2guardian.conf.bak
root@venom-pc:/etc/e2guardian#
```

FORWARDING all the conn from 8080 to access 3128.

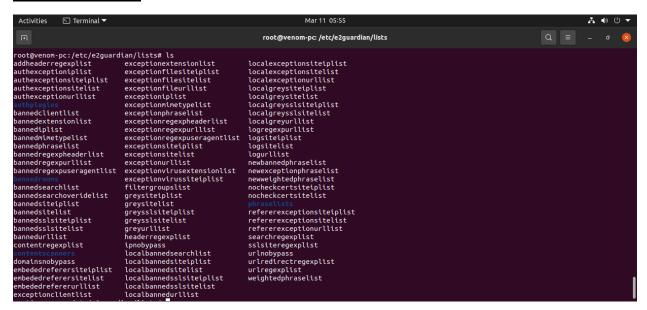
If both services are configured in same server, the proxy ip would be localhost ifnot you have to define the ip of squid service. Both connection works through socket.

```
root@venom-pc: /etc/e2guardian
mapportstoips = off
#port for transparent https
#if defined enables tranparent https
transparenthttpsport = 8443
#port for ICAP
#if defined enables icap mode
\#icapport = 1344
# the ip of upstream proxy - optional - if blank e2g will go direct to sites.
# default is "" i.e. no proxy
proxyip = 127.0.0.1
# the port e2guardian connects to proxy on
proxyport = 3128
# Proxy timeout
# Set tcp timeout between the Proxy and e2guardian
proxytimeout = 5
"e2guardian.conf" 735L, 28704C
                                                                                      184,1
                                                                                                    24%
```

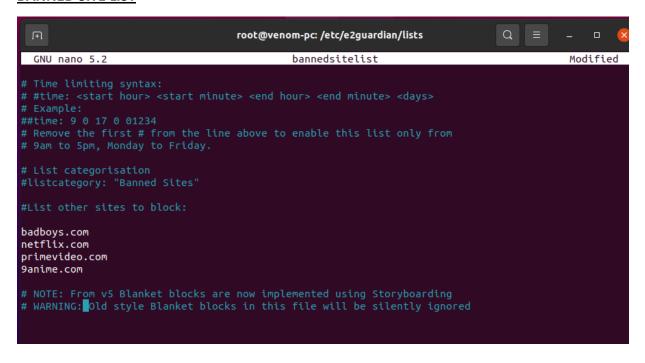
ASSIGN PORT TO FIREWALL.

```
root@venom-pc:/etc/e2guardian# firewall-cmd --permanent --add-port=8080/tcp success root@venom-pc:/etc/e2guardian# firewall-cmd --reload success root@venom-pc:/etc/e2guardian# firewall-cmd --list-ports 3128/tcp 8080/tcp root@venom-pc:/etc/e2guardian#
```

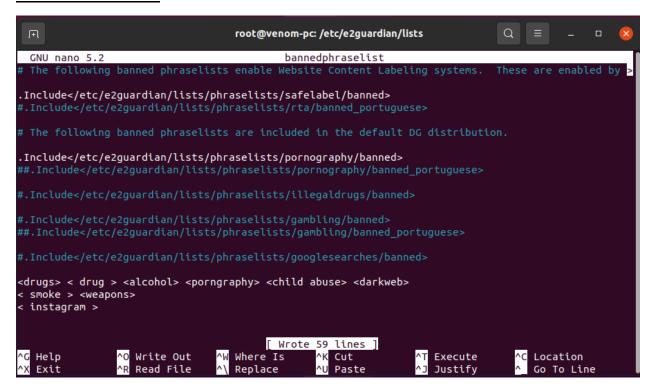
THE FILTERING LIST



BANNED SITE LIST

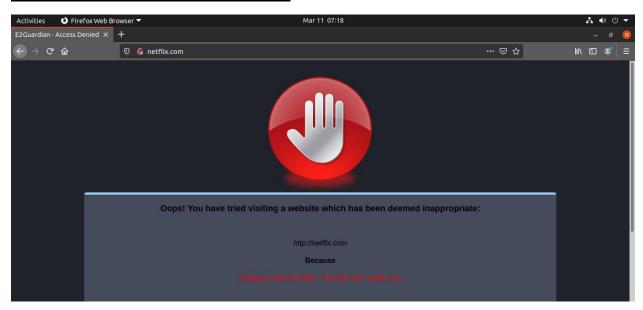


BANNED PHRASE LIST

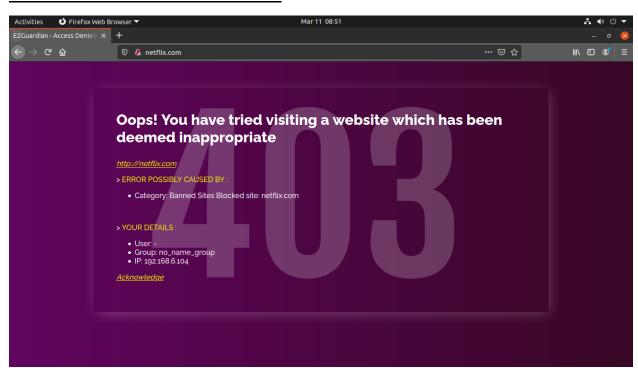


RESTART THE SERVICE

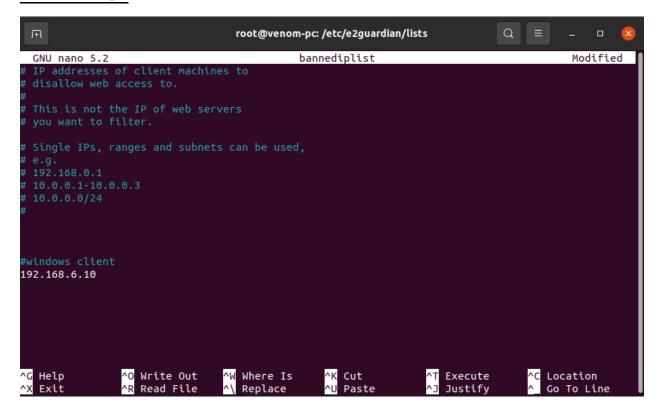
DEFAULT TEMPLATE WHEN BLOCKING SITE



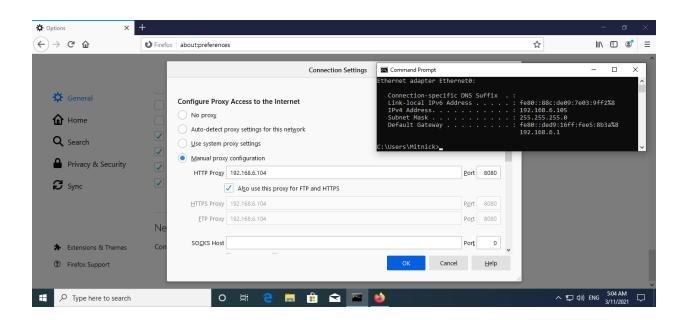
MODIFIED TEMPLATE FOR BLOCKED SITES



BANNED IP LIST.

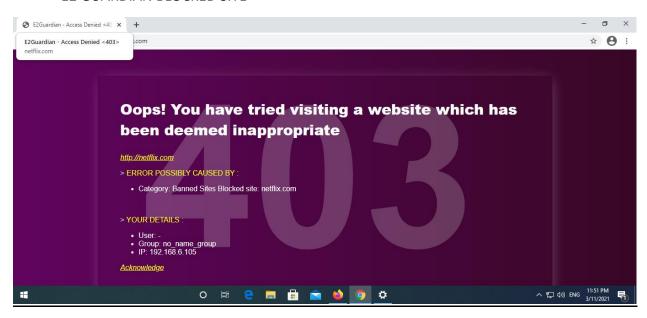


WINDOWS MACHINE.



BLOCKED NETFLIX SITE IN WINDOWS MACHINE.

• E2 GUARDIAN BLOCKED SITE



SQUID SERVICE BLOCKED SITE

