

<DEMO>

(without URL filter and image filter)

```
rlm@rim-VirtualBox:~$ ./run.sh 9001
Starting proxy server on port 9001
1 [Conn: 1/2]
[X] URL filter | [X] Image filter

[CLI connected to 127.0.0.1:34284]
[CLI ==> PRX --- SRV]
> GET http://www.linuxhowtos.org/ HTTP/1.1
> Mozilla/5.0 (X11; Ubuntu; Linux x86_64; rv:83.0) Gecko/20100101 Firefox/83.0
[SRV connected to www.linuxhowtos.org:80]
[CLI --- PRX ==> SRV]
> GET http://www.linuxhowtos.org/ HTTP/1.1
> Mozilla/5.0 (X11; Ubuntu; Linux x86_64; rv:83.0) Gecko/20100101 Firefox/83.0
[CLI --- PRX <== SRV]
> HTTP/1.1 200 OK
> text/html; charset=utf-8 3891bytes
[CLI <== PRX --- SRV]
> HTTP/1.1 200 OK
> text/html; charset=utf-8 3891bytes
[CLI disconnected]
[SRV disconnected]
-----
2 [Conn: 2/5]
[X] URL filter | [X] Image filter

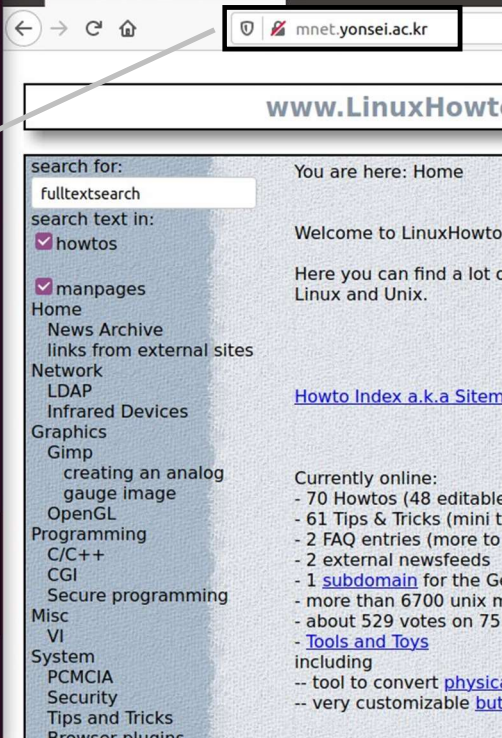
[CLI connected to 127.0.0.1:34290]
[CLI ==> PRX --- SRV]
> GET http://static.linuxhowtos.org/css/blue.css HTTP/1.1
> Mozilla/5.0 (X11; Ubuntu; Linux x86_64; rv:83.0) Gecko/20100101 Firefox/83.0
[SRV connected to static.linuxhowtos.org:80]
[CLI --- PRX ==> SRV]
> GET http://static.linuxhowtos.org/css/blue.css HTTP/1.1
> Mozilla/5.0 (X11; Ubuntu; Linux x86_64; rv:83.0) Gecko/20100101 Firefox/83.0
[CLI --- PRX <== SRV]
> HTTP/1.1 200 OK
> text/css 876bytes
[CLI <== PRX --- SRV]
> HTTP/1.1 200 OK
> text/css 876bytes
[CLI disconnected]
[SRV disconnected]
```

(with URL filtering, filter keyword: **yonsei**, redirect URL: **http://linuxhowtos.org/**)

```
> image/x-icon 1804bytes
[CLI disconnected]
[SRV disconnected]
-----
8 [Conn: 9/2]
[0] URL filter | [X] Image filter

[CLI connected to 127.0.0.1:52226]
[CLI ==> PRX --- SRV]
> GET http://mnet.yonsei.ac.kr/ HTTP/1.1
> Mozilla/5.0 (X11; Ubuntu; Linux x86_64; rv:83.0) Gecko/2010
0101 Firefox/83.0
[SRV connected to linuxhowtos.org:80]
[CLI --- PRX ==> SRV]
> GET http://linuxhowtos.org/ HTTP/1.1
> Accept-Encoding: gzip, deflate
[CLI --- PRX <== SRV]
> HTTP/1.1 200 OK
> text/html; charset=utf-8 3909bytes
[CLI <== PRX --- SRV]
> HTTP/1.1 200 OK
> text/html; charset=utf-8 3909bytes
[CLI disconnected]
[SRV disconnected]
-----
9 [Conn: 1/3]
[0] URL filter | [X] Image filter

[CLI connected to 127.0.0.1:52230]
[CLI ==> PRX --- SRV]
> GET http://mnet.yonsei.ac.kr/images/cn.png HTTP/1.1
> Mozilla/5.0 (X11; Ubuntu; Linux x86_64; rv:83.0) Gecko/2010
0101 Firefox/83.0
[SRV connected to linuxhowtos.org:80]
[CLI --- PRX ==> SRV]
> GET http://linuxhowtos.org/ HTTP/1.1
> Accept-Encoding: gzip, deflate
[CLI --- PRX <== SRV]
```



URL filter ON

(with image filtering)

```
[CLI disconnected]
[SRV disconnected]
-----
17 [Conn: 1/3]
[X] URL filter | [0] Image filter

[CLI connected to 127.0.0.1:52310]
[CLI ==> PRX --- SRV]
> GET http://www.columbia.edu/~fdc/picture-of-something.jpg HTTP/1.1
> Mozilla/5.0 (X11; Ubuntu; Linux x86_64; rv:83.0) Gecko/2010
0101 Firefox/83.0
[SRV connected to www.columbia.edu:80]
[CLI --- PRX ==> SRV]
> GET http://www.columbia.edu/~fdc/picture-of-something.jpg HTTP/1.1
> Mozilla/5.0 (X11; Ubuntu; Linux x86_64; rv:83.0) Gecko/2010
0101 Firefox/83.0
[CLI --- PRX <== SRV]
> HTTP/1.1 200 OK
> image/jpeg 44566bytes
[CLI <== PRX --- SRV]
> HTTP/1.1 200 OK
> image/jpeg 0bytes
[CLI disconnected]
[SRV disconnected]
-----
18 [Conn: 1/2]
[X] URL filter | [0] Image filter

[CLI connected to 127.0.0.1:52314]
[CLI ==> PRX --- SRV]
> GET http://www.columbia.edu/favicon.ico HTTP/1.1
> Mozilla/5.0 (X11; Ubuntu; Linux x86_64; rv:83.0) Gecko/2010
0101 Firefox/83.0
[SRV connected to www.columbia.edu:80]
[CLI --- PRX ==> SRV]
```

www.columbia.edu/~fdc/sample.html?image_off

Sample Web Page

Brief description
A random photo.

[Frank da Cruz](#)
Sat Jan 17 12:07:32 2004
Updated 26 May 2019 for HTML5.

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You can create a Web page on your desktop computer but nobody can see it but you want other people to be able to see your Web pages, you need an account on a computer that has a Web server. Nowadays most people have their own computers, but normally they don't have Web servers and anyway you don't want the whole world coming into your desktop computer to see your web page because it's not designed for that, and (b) who knows what else they might see. And (c) for various reasons, Web servers should be managed by professionals. Most institutions have central shared computers for this purpose, which usually have a [Unix](#)-like operating system.


```
[CLI disconnected]
[SRV disconnected]
-----
19 [Conn: 2/2]
[X] URL filter | [X] Image filter

[CLI connected to 127.0.0.1:52320]
[CLI ==> PRX --- SRV]
> GET http://www.columbia.edu/~fdc/sample.html?image_on HTTP/1.1
> Mozilla/5.0 (X11; Ubuntu; Linux x86_64; rv:83.0) Gecko/2010
0101 Firefox/83.0
[SRV connected to www.columbia.edu:80]
[CLI --- PRX ==> SRV]
> GET http://www.columbia.edu/~fdc/sample.html?image_on HTTP/1.1
> Mozilla/5.0 (X11; Ubuntu; Linux x86_64; rv:83.0) Gecko/2010
0101 Firefox/83.0
[CLI --- PRX <== SRV]
> HTTP/1.1 200 OK
> text/html 10147bytes
[CLI <== PRX --- SRV]
> HTTP/1.1 200 OK
> text/html 10147bytes
[CLI disconnected]
[SRV disconnected]
-----
20 [Conn: 2/3]
[X] URL filter | [X] Image filter

[CLI connected to 127.0.0.1:52324]
[CLI ==> PRX --- SRV]
> GET http://www.columbia.edu/~fdc/picture-of-something.jpg HTTP/1.1
> Mozilla/5.0 (X11; Ubuntu; Linux x86_64; rv:83.0) Gecko/2010
0101 Firefox/83.0
[SRV connected to www.columbia.edu:80]
[CLI --- PRX ==> SRV]
```

www.columbia.edu/~fdc/sample.html?image_on

Sample Web Page



A random photo.

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