

Internet Browser with Tunnel and SSH

1 Introduction

This method will help you to setup a SSH tunnel for your internet browser.

Imagine that you would like to be using internet on an hotspot, and that this internet connection is not perfectly secured. You may make use of a distant SSH server to act as if you would be surfing on this distant machine.

2 Tunnel with SSH and Iceweasel

2.1 Establish the SSH connection

The distant machine has an SSH service. The local machine has an internet browser, which is installed. The example will be given with Iceweasel (Firefox).

First you need to establish the connect to your distant machine.

Code:

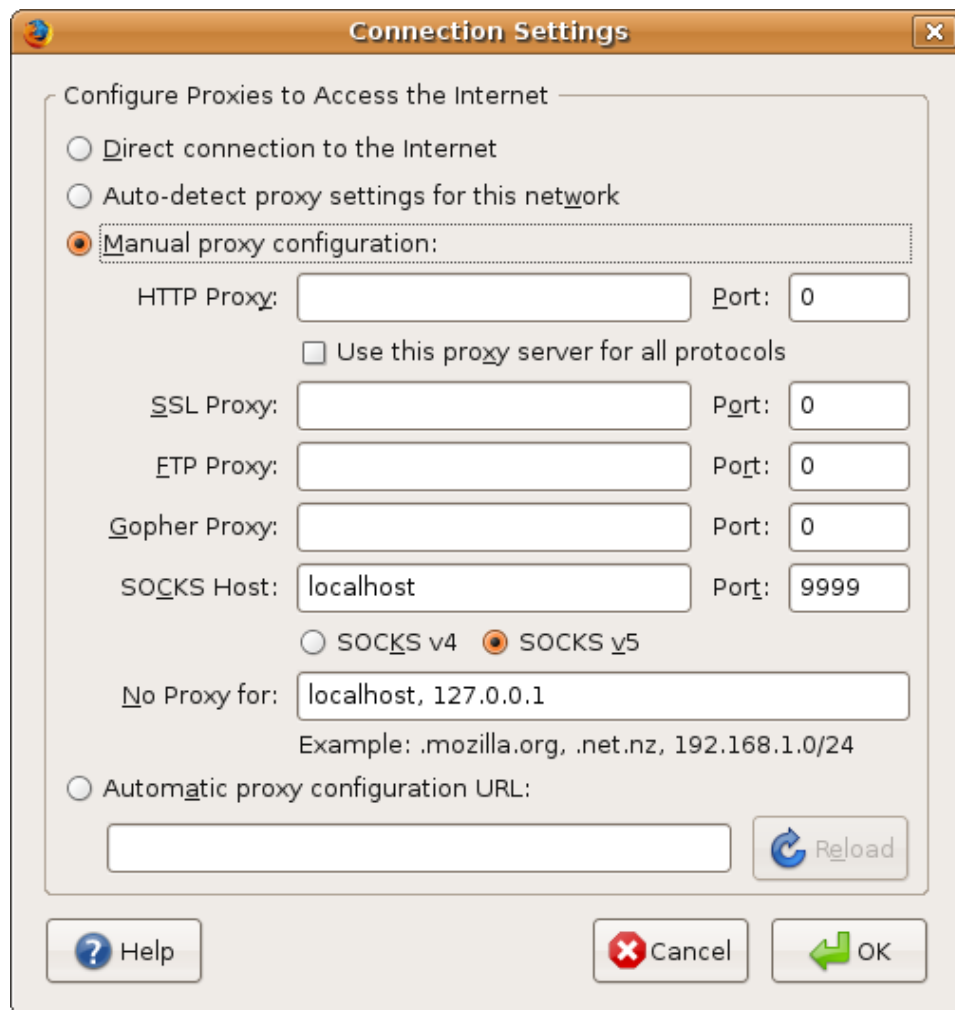
```
ssh -p22 -D 9999 -C username@100.100.100.100
```

This will forward the port 8080 to 9999 over SSH for your local browser.

The port 22 is your SSH service port. The port 9999 is the port which will be used as tunnel. You will use this port on your local machine (in the internet browser).

2.2 Setup the internet browser

In the browser, you add the information SOCKS v.5 and the port 9999 to tell the Iceweasel to use the localhost with the tunnel (on port 9999).



3 Check the IP address

The internet browser is now running with the tunnel. You may then check your IP with website such as DYNDNS checkip or others. Alternative is www.whatismyip.com.

4 Conclusion

You may have successfully established an SSH tunnel and you can have higher security for browser. However, keep in mind that internet is never secured 100 pct. Good Luck!