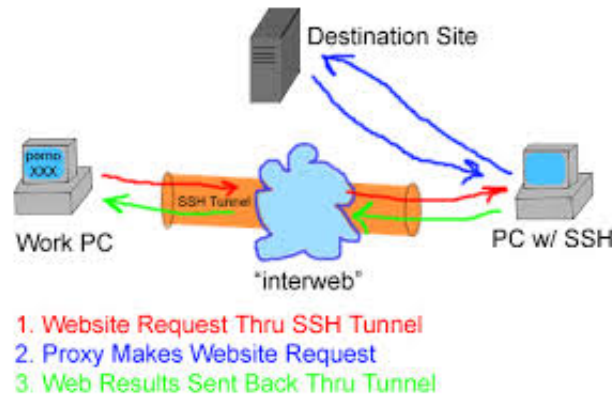# Secure your work PC internet traffic using SSH Dynamic Tunnel as Proxy to get around Corporate Spy Proxy and Site Filtering

Author : admin

If you work for some huge corporations such as *IBM / Sony / Toshiba / Concentrix / HP etc*. and you're using a Windows Work Computer (notebook), pre-installed with a custom Company software which is by default configured to use a *Proxy Server for all your Browsing activities* and at a certain point you start being filtered some of the websites you love to visit so much because of some *Corporate policies (limitations) at some* **filtered sites** you will start getting empty pages or some   nasty filtering messages.

Even if you don't get a filtering message but you know all your Company Internal Network traffic is proxified for the sake of keeping your personal (privacy) high **stop browsing using company's default proxy, because all your access requests (passwords) and queries to the internet are probably logged for later (review)** in case if you enter the company's paragraph of **"non-compliant employee"**.
If you fail on time to get around the default set "*Corporate Proxy*", sooner or later you will start getting filtering messages to some of the regular websites you use daily, as I did today while trying to open my personal blog (to check if there are new user comments):

   Your request was denied because of its content categorization: "Hacking;Malicious Sources/Malnets;Religion"
For assistance, contact your network support team.

[Screenshot of above message from today here](#)

You see this guys or **automated Proxy filter** became so prudent that my site was filtered because it contains some **Proof of Concept (PoC) security tools** and content related to *Christian (Faith) Religion*. I guess **its the time to think seriously is there a censorship in large corporations and how far could censorship go and if such censorship so easily adopted in large companies wouldn't same happen also on a backbone ISP level in short future??**
If today my site is being filtered out to be unable to open from a corporation network because it contains "**Religious**" contain **I would not be surprised if tomorrow, I've been prohibited to confess publicly my faith in salvation power of the Cross of our Lord Jesus Christ** or **even already in a blacklist because I'm trying to be a dedicated Orthodox Christian ...**
The fact that *Religion* is *already perceived in same light as Hacking and Malicious Source or Malnet bots* is also very eloquent and shows how very big part of people nowdays (including the person that added my site to this proxy filtering rules) think of religion and in what bad state our society and understanding of freedom and respect for others went.

   Obviously it is time to react to this censorship and stop the evil corporation from spying on your traffic and logging all that matches there "kilometer long" prohibited sites filter lists. There are few ways to do that and the most straight forward is to set-up and use a Own Proxy server such as **Privoxy / Polipo** or **Squid Proxy,** however *the proxy method requires that your company local network doesn't have too strick (restrictive) firewall rules* (e.g. you need some port opened to the Internet such as **8080, 3128, 8118, 1080 standard port for (socks)** etc.

   As many companies are too restrictive in their outbound firewall rules and you might be in situation like with me where Browsers such as *Internet Explorer / Opera / Firefox and Chrome* are configured to use by default company proxy host (**autocache.proxy-ur-company.hp.com:80**) (*with a custom **Proxy PAC file** filtering out a whole ranges of useful domains and IPs)* and only allowed firewall access outside of local corporate network in on *port 22* (for outside ssh session purposes) only.

   Then your best way to get across such restrictive network configuration is to **run** *your own home Linux / BSD / Windows server* with **opensshd** installed and *use OpenSSH protocol Dynamic Tunneling (Proxy socks5 like) capabilities to tunnel all your favourite Web Browser Traffic* (lets say Firefox's) *through your* **remote-home-host.com:22**.
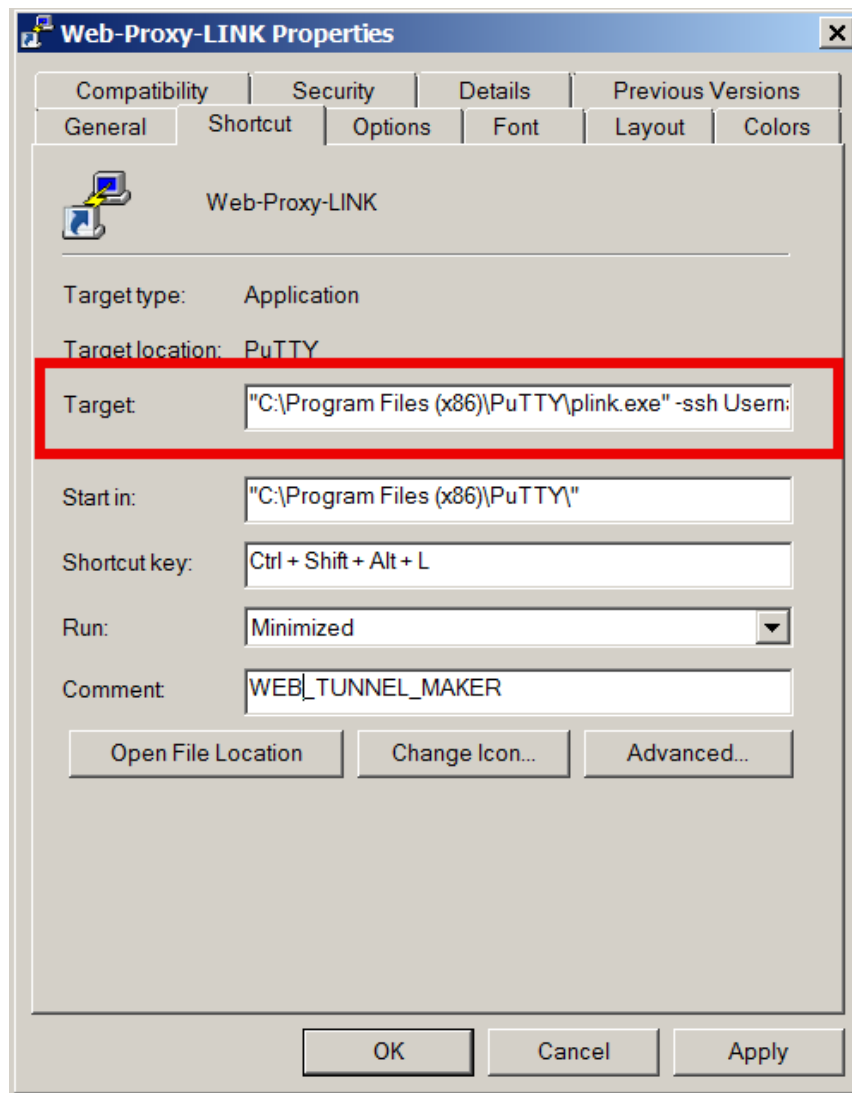
- From *Windows PC to* [Create Dynamic SSH Tunnel to remote home SSH use plink](#)

In short once you have installed **plink.exe** on your PC *run manually from command line (cmd.exe)*

```
plink.exe -ssh UserName@remote-home-host.com -P 22 -pw Secret_Password -D
127.0.0.1:8080 -N
```

For people who use **MobaXTerm** it is even easier as there is an integrated SSH tunneling input interface which can be used to create the SSH tunnel.
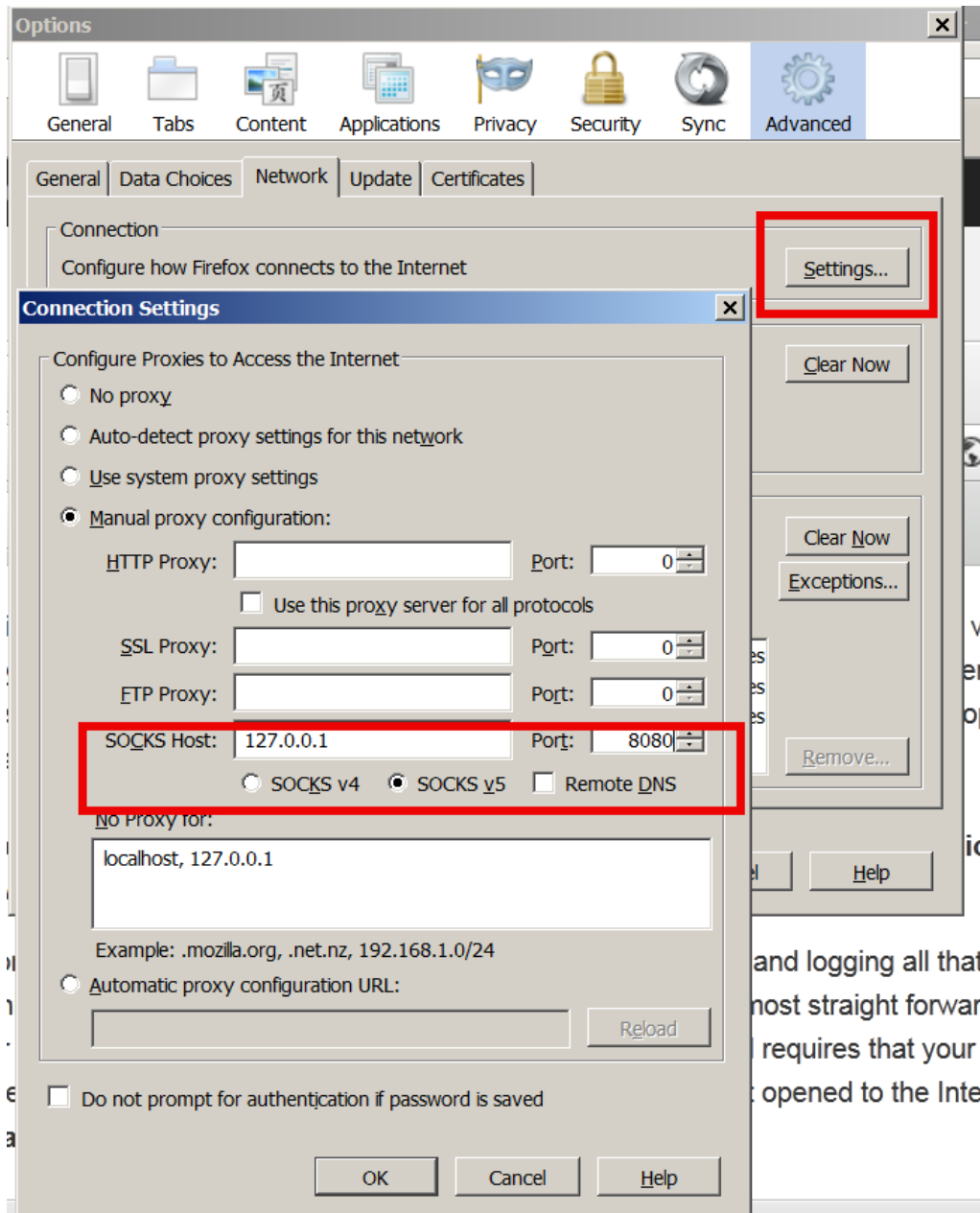
 To have a quick way *to Enable SSH Dynamic Tunnel button on your Desktop make a SymLink to Plink with Target below command line*:

- If from *Linux / *BSD / Mac OS* host to create Dynamic SSH Tunnel to your remote home SSH *server host* run in a Terminal

ssh -D 8080 Username@remote-home-host.com

To start tunneling all your Web traffic via just created Dynamic SSH Tunnel to host **remote-home-host.com**, just set in browser's proxy options to use as *proxy socks5 -* **localhost:8080**

To test whether your traffic is going to the Internet from **remote-home-host.com** open in just set proxy browser www.myip.ru .
You should see your home SSH server IP as IP which made the request to *www.myip.ru.*