Forum:Hack Forums

Thread: Raspberry Pi as a VPN?

Skidy - *May 19, 2015, 10:00 am*
So I am wanting to use my Pi as a VPN so that I can connect to the colleges wifi and use ethernet to connect to the internet on their PC's.

Any ideas? Would a Tor VPN server work? Or OpenVPN?

ze-slade - *May 19, 2015, 12:00 pm*
Just set up putty and connect via putty.

Skidy - *May 19, 2015, 12:11 pm*
(May 19, 2015 12:00 PM)ze-slade Wrote: *[CITE]* Just set up putty and connect via putty.
So just set up putty on my Raspberry Pi and use the school PC to connect it via putty?

ze-slade - *May 19, 2015, 12:12 pm*
(May 19, 2015 12:11 PM)benny_boy Wrote: *[CITE]* So just set up putty on my Raspberry Pi and use the school PC to connect it via putty?
Yeah, I mean If you want you could set up teamviewer on it and use it as a vps.

Compression - *May 19, 2015, 12:15 pm*
You can setup dual boot with Ubuntu and setup an openvpn server on there.

ze-slade - *May 19, 2015, 12:16 pm*
(May 19, 2015 12:15 PM)Compression Wrote: *[CITE]* You can setup dual boot with Ubuntu and setup an openvpn server on there.
Eh but I still say putty is a better way to do it.

Compression - *May 19, 2015, 12:21 pm*
(May 19, 2015 12:16 PM)ze-slade Wrote: *[CITE]* Eh but I still say putty is a better way to do it.
Well how would putty work better than openvpn because you would have to wget everything and then read the html ratheryou could use openvpn and view webpages, play games etc.

Skidy - *May 19, 2015, 12:23 pm*
(May 19, 2015 12:15 PM)Compression Wrote: *[CITE]* You can setup dual boot with Ubuntu and setup an openvpn server on there.
So install Ubuntu on the Raspberry Pi and just install an openvpn on it then connect to the school PC using the Raspberry pi?

dechosenjuan - *May 19, 2015, 9:08 pm*
You can go to adafruit and get the onion pi kit which is basically a raspberry pi running tor. I use one at home as a vpn access point for all my devices. Would link, but don't have enough posts. Also if you have the pi already, just follow their tutorial. All you need is the standard pi os and a wifi usb adapter to use as an access point. Also ethernet to connect to the network, but if you want you can configure two wireless adapters also, one for access and one for connecting to the net.

Skidy - *May 19, 2015, 10:06 pm*
(May 19, 2015 09:08 PM)dechosenjuan Wrote: *[CITE]* You can go to adafruit and get the onion pi kit

which is basically a raspberry pi running tor. I use one at home as a vpn access point for all my devices. Would link, but don't have enough posts. Also if you have the pi already, just follow their tutorial. All you need is the standard pi os and a wifi usb adapter to use as an access point. Also ethernet to connect to the network, but if you want you can configure two wireless adapters also, one for access and one for connecting to the net.But if I use that I would have to use tor as a browser at college wouldnt I??

dechosenjuan - *May 19, 2015, 10:39 pm*

(May 19, 2015 10:06 PM)benny_boy Wrote: [CITE] But if I use that I would have to use tor as a browser at college wouldnt I??

Nope. I have one at home, you use anything. It becomes a full working hardware vpn. Like I went on firefox and it thought I was in london. All my applications were spoofed, since it's an access point.

Skidy - *May 19, 2015, 11:19 pm*

(May 19, 2015 10:39 PM)dechosenjuan Wrote: [CITE] Nope. I have one at home, you use anything. It becomes a full working hardware vpn. Like I went on firefox and it thought I was in london. All my applications were spoofed, since it's an access point.

And its easy to set up a for VPN?

Any useful tutorials at all?

(May 19, 2015 09:08 PM)dechosenjuan Wrote: [CITE] You can go to adafruit and get the onion pi kit which is basically a raspberry pi running tor. I use one at home as a vpn access point for all my devices. Would link, but don't have enough posts. Also if you have the pi already, just follow their tutorial. All you need is the standard pi os and a wifi usb adapter to use as an access point. Also ethernet to connect to the network, but if you want you can configure two wireless adapters also, one for access and one for connecting to the net.

Also I have a pi, could I not just set up the software on the onion Pi? As I don't want to buy another Pi as I have one.

(May 19, 2015 10:39 PM)dechosenjuan Wrote: [CITE] Nope. I have one at home, you use anything. It becomes a full working hardware vpn. Like I went on firefox and it thought I was in london. All my applications were spoofed, since it's an access point.

Oh and is this a good tutorial?

https://youtu.be/JvDx2TnfCVQ

TheGrayAviator - *May 20, 2015, 1:27 am*

Configuring your Raspberry PI as a OpenVPN server is not that difficult.

1) Download Rasbian (https://www.raspbian.org/)
2) Follow this WIKI, on how to setup the server (https://www.raspberrypi.org/forums/viewtopic.php?t=20916)

DaRkReD - *May 20, 2015, 7:27 am*

Install debian

Run this script https://github.com/cwaffles/ezopenvpn

You now have a vpn, make sure to foward ports if you want it externally accesable

dechosenjuan - *May 20, 2015, 2:57 pm*

I would post the tutorial, but the site won't let me. Go learn.adafruit.com/onion-pi/overview

L9S3S - *May 21, 2015, 6:15 am*

The pi would have to running on your home network, then install/configure openssh and setup your keys. Once the ssh server (on your pi) is up running, you will need to configure your browser (the one using college network) to route all browser traffic through your ssh server.

Firefox:
Code Edit > Preferences > Advanced > Network > Connection > Setting:
Check the Manual proxy configuration radio button, and enter localhost in the SOCKS host text field, and then enter your port number in the next text field.

Firefox does not automatically make DNS requests through the socks tunnel. This potential privacy concern can be mitigated by the following steps:

Type about:config into the Firefox location bar.
Search for network.proxy.socks_remote_dns
Set the value to true.
Restart the browser.