

VPN Install Checklist

Set Up Ubuntu Machine in Azure

- ☐ Select "create a virtual machine"
- ☐ Under the "Basics" section, select the following:
 - Resource Group: Pentest VPN
 - Virtual Machine Name: OpenVPN
 - Region: East US
 - Image: Ubuntu Server 18.04 LTS
 - Size: B1s (1 VCPU, 1GB RAM)
 - Authentication type: Password
 - Username/Password: fill out and store securely
 - Public inbound ports: HTTP, HTTPS, SSH
- ☐ Under the "Disks" section, select "Standard HDD"
- ☐ Under the Networking section, Public IP:
 - Select "create new"
 - Select "static" and save
- ☐ Select "review and create" and create the machine
- ☐ Once the machine is running, open the virtual machine settings and select "Networking":
 - Select "Add inbound port rule"
 - Change "Destination port ranges" to 1194
 - Change "Protocol" to UDP
 - Change "Name" to "Port_1194"
 - Leave the rest as default and select "Add"

Install OpenVPN

- ☐ Install instructions follow this guide: <https://www.cyberciti.biz/faq/ubuntu-18-04-lts-set-up-openvpn-server-in-5-minutes/>
- ☐ SSH into Public Azure IP of server using credentials chosen during setup
- ☐ Update the Ubuntu machine
 - `sudo apt update && apt upgrade`
- ☐ Download and install OpenVPN
 - `wget https://git.io/vpn -O openvpn-install.sh`
 - `chmod +x openvpn-install.sh`
 - `sudo ./openvpn-install.sh`
- ☐ During installation, you will need to enter the following:
 - Private Ubuntu IP
 - Public Azure IP
 - Protocol: UDP
 - Port: 1194
 - DNS: 1.1.1.1
 - Client name: dropbox
- ☐ Enable openvpn on reboot
 - `systemctl enable openvpn`

You will now have generated a dropbox.ovpn file. This file will live on the dropbox machine and phone home automatically on boot. Make sure to copy this file to place on our dropbox later. We must also generate additional openvpn files for each user and/or additional dropbox we want to have connection. To do this, run **sudo ./openvpn-install.sh** again and follow the instructions on creating a new user.

At the end of this instruction, you should have a minimum of two ovpn files:

- ☐ One dropbox.ovpn file
- ☐ One penetration tester .ovpn file

Dropbox Checklist

Run Kali Updates

- ☐ apt update && apt upgrade
- ☐ apt dist-upgrade

Install RDP

- ☐ apt install xrdp
- ☐ service xrdp start
- ☐ service xrdp-sesman start
- ☐ update-rc.d xrdp enable

Disable Sleepy Times

- ☐ systemctl mask sleep.target suspend.target hibernate.target hybrid-sleep.target

Establish Auto-VPN

- ☐ cp ~/Downloads/OpenVPN/'Northeast US.ovpn' /etc/openvpn/openvpn.conf
- ☐ systemctl enable openvpn
- ☐ reboot

Install "Must-Have" Tools

- ☐ Burp Suite Pro
- ☐ Nessus Pro (64bit Debian) - <https://www.tenable.com/downloads/nessus>
- ☐ apt install crackmapexec
- ☐ Impacket Toolkit ("git clone" into /opt) - <https://github.com/SecureAuthCorp/impacket.git>
- ☐ Mitm6 ("git clone" into /opt) - <https://github.com/fox-it/mitm6>
- ☐ PowerTools ("git clone" into /opt) - <https://github.com/PowerShellMafia/PowerSploit.git>
- ☐ SecLists ("git clone" into /opt) - <https://github.com/danielmiessler/SecLists.git>
- ☐ Wappalyzer Plugin - <https://addons.mozilla.org/en-US/firefox/addon/wappalyzer/>
- ☐ Foxy Proxy Plugin - <https://addons.mozilla.org/en-US/firefox/addon/foxyproxy-standard/>