**Iyesha Thornton**

**ITP 325 - Homework 09 – OpenVPN**

**Deadline:**

1 minute before the next class.

**Submission:**

1. Answer the questions at the end of this file, and name the document hw09.docx
2. Download the instructor’s GPG key from the following location:

<https://sites.google.com/a/usc.edu/chiso/files>

GPG encrypt both files with the instructor’s **and** your own GPG key.

1. Place the encrypted document into the repo and push to changes GitHub

**Procedure:**

1. Start up Kali and run the following command in terminal:

*# apt-get install openvpn -y*

1. Download the “itp325 - homework 09 - mywaifu-openvpn.7z” from the Google Drive and place it within the root home folder.
2. In a terminal on Kali run the following:

# apt-get install p7zip openvpn –y

# cd

# p7zip –d ~/itp325\ -\ homework\ 09\ -\ mywaifu-openvpn.7z

# cd mywaifu-openvpn

# openvpn client.ovpn

If you see the message saying “Initialization Sequence Completed” everything worked and you are connect to the network.

**Questions:**

1. Why do you think we need to do the OpenVPN connection within the guest VM and not the host machine?
   1. We need to be able to make a connection.
2. How many machines do you find on the network so far?
   1. 20,000
3. See if you can leave a calling card to let the instructor know you were in the system.

**Reference:**

<https://www.softether.org/>

<https://www.digitalocean.com/community/tutorials/how-to-setup-a-multi-protocol-vpn-server-using-softether>