Zachary Nandapurkar

ITP 325

HW 2a

9/8/16

1. To check if Kali has access to the internet or not, I would use the “ping” command or type in something like “ping 8.8.8.8” to check if it could simply receive packets from a website like Google or not.
2. I would type in the “ifconfig eth0” command which would tell me information about my ip address and if there were any errors or was any packet loss and could further diagnose from there.
3. You would use the “ifconfig” commands and look at the “inet addr:” line which would tell list a certain ip address. The size of the IP address would tell you whether it was NAT or Host-only. (i.e. host-only would have a 192.168.xx.xxx length IP)
4. If you wanted to use the openDNS servers you would type in the command “sudo ifconfig eth0 10.0.0.100 netmask 255.255.255.0” and replace the IP address with CISCO’s open server address, and also the subnet mask.
5. If you are having problems with DHCP, a good option would be to set up a Static IP and enter in a manual address, but the drawback would be that if the same address was taken you would not be able to connect to the internet. The command would look something like “netsh interface ip set address name=”Local Area Connection” static 192.168.0.1 255.255.255.0 192.168.0.254”.