Practical Exercise 9-3: Configuring DNS

This Practical Exercise will take students through the use of configuring DNS on the system using the /etc/resolv.conf file.

1. Bring the VirtualBox window back up that you used in Exercise 9-2. If the screen has gone black click your mouse anywhere in the window and press **CTRL-ALT**. You should be at a root command prompt.

2. To set the DNS servers you want to use to resolve domain names to IP addresses we will add the IP addresses of the DNS servers to the resolv.conf located in the /etc directory.

3. Enter **vi /etc/resolv.conf** at the command prompt.

4. You should see that the last line has the search entry added as mysite.com. The search entry will be used to fill out incomplete hostnames. For example if you were to try and resolve a hostname of PC01, the name would be automatically converted to the fully qualified domain name of PC01.mysite.com. We will add the DNS server we want to use by entering nameserver with the ip address after it below the search entry.

5. Press the **Insert** button and go to the line below "search mysite.com." Enter **nameserver 10.20.1.53**. Press **Esc** and enter a **colon(:)** and **wq**.

6. You should now be out of vi after writing to the resolv.conf file and quitting vi.

7. Turn the enp0s3 interface off by entering **ifdown enp0s3.**

8. Turn the enp0s3 interface on by entering **ifup enp0s3**.

9. Enter **dig www.espn.com** to resolve the URL to its IP addresses.

10. Enter **host www.yahoo.com** and you should be able to resolve the URL to IP address.

11. Do not turn this image off as it will be used in the next exercise.

--End of Practical Exercise--