

## Procedure: Router Configuration

### Steps for configuring a router:

- 11) Ensure that your lab computer is connected to the router and is turned on.

Note: Since you are in lab you will need to change the connection settings in your browser to No Proxy under Internet Options. Your tutor will guide you through this basic step. If you are at home you may not have to do this step.

- 12) The first step, is to navigate to the router settings page which is known as your default gateway. To obtain your default gateway, you need to run command prompt. Go to START->RUN then type in "cmd", press enter and the command prompt will be opened. It is a black screen as shown in Figure 3 in Appendix.
- 13) To obtain your IP configuration type in "ipconfig" then press enter. This lists your IP configuration as shown in Figure. Notice that your default gateway is shown. This is the IP address of your router.
- 14) Noting the default gateway, open a browser then type in the IP address of the default gateway (router) and press enter.
- 15) Once this is done, the router configuration page will be shown in the browser as shown in Figure 4.
- 16) **Your tutor will now go through the various sections of the router configuration page. Please pay attention to this step. Different routers have different layouts, so if you attempt to do this at home your display may be different.**
- 17) You will now be asked to set a password for your router, this restricts access to only persons who have the router password. The login information is by default (username: admin, password=admin)
- 18) You will now reset the login password of the router. Go to the Administration section, change the password to: root. Once done, Save the changes.
- 19) You can also set a password for the wireless connection. Go to Wireless -> Wireless Security, choose the method of security from the drop down list, then enter the passphrase.
- 20) The next section will show how reserve an IP for a machine, that is assign a static IP to a machine.

### Steps for configuring a static IP:

5. Login in to the router as previously if not done so already.
6. Go to the Setup section. Select DHCP Reservation as shown in Figure 3.
7. Here you will assign a static IP address. Under "Manually Adding Client" enter the IP address and MAC address of the machine you want to assign the static IP to as shown in Figure 4.
8. Once that is done, click Add and the IP address will be reserved for that particular machine.