

Router Exercise

This is a self-paced exercise. Learn, do not hurry.

- 1) Verify LAN Adapter on your computer is set to DHCP (may need CPALaunch on FS Computer).
- 2) Reset Router – paper clip works – hold for 10 seconds – monitor top LED.
- 3) Connect a computer to one of the LAN ports on the router (not Internet connect).
- 4) Identify the “Default Gateway”.
 - a) Bring up a DOS or Powershell Window
 - b) Ipconfig
- 5) Type the Default Gateway address in a web browser. Hint: from a browser enter www.linksysmartwifi.com (this works best if there is no internet connected).
- 6) Login into the router as admin. Hint: ask instructor or <http://www.routerpasswords.com>
- 7) Change the Router Admin Password. Write it down (e-ISuite Password Log)
- 8) Set Default Gateway 10.5.<table number>.1
Set Subnet Mask 255.255.255.0
Set static range from 2 to 100. 101 plus should be set to DHCP.
- 9) From your computer verify the IP address, Subnet Mask, Default Gateway are correct. Hint: ipconfig (release, renew)
- 10) What is your IP address assigned to the Ethernet Adapter on your computer?
- 11) Log back into the router
- 12) Verify the automatic firmware updates are disabled. Why should the updates be disabled during an incident? When is the best time to do a firmware update?
- 13) Verify the wireless transmitters are disabled on the router. Both 2.4GHz and 5GHz radios.
- 14) Enable the wireless on both 2.4GHz and 5GHz.
 - a) Set the SSID for 2.4GHz to ITSS<table number>_2.4
 - b) Select the encryption type and password – ITSS<table number>itss!
 - c) Set the SSID for 5GHz to ITSS<table number>_5
 - d) Select the encryption type and password – ITSS<table number>itss!
 - e) Save your changes
- 15) Connect to the router with wireless and identify the IP Address assigned to your computer.
 - a) Did you see 2.4GHz or 5GHz or both? Which did you connect to?
- 16) Observe the IP Address for LAN connection and Wireless LAN adaptors. Hint: ipconfig
- 17) Connect your ITSS jump drive via USB to the router and view the file system on the computer.
NOTE: The Storage File System Supported are FAT, NTFS, and HFS+ for the router.
- 18) Do a reboot through router menu. Do NOT use the power or unplug router.
- 19) (Optional) Experiment with the Linksys mobile application to make router changes.
- 20) Through the router menu do a factory reset.
- 21) Setup your router again for 10.5.<table number>.1 for tomorrows exercise. Disable both the 2.4GHz and 5GHZ.

