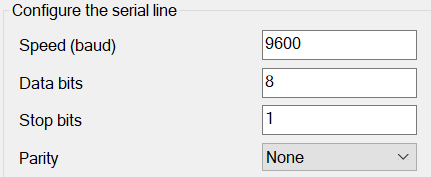
Cisco Router and Switch Configuration:

* Plug routers and switches into a power source and turn on
* Cable routers, switches, and computers according to rack diagram and physical diagram
  + Additional switch connections may be needed for deployments with more hosts than diagramed. Ensure switchports for additional hosts are configured the same as diagramed hosts
* Connect Office-R router console port to a configuration PC using a rollover console cable
* Open terminal software such as Putty or TeraTerm and configure a serial connection with the following settings:



* Open the serial connection. After pressing enter the startup sequence may appear. Wait for text to finish scrolling the screen. If asked to enter the Configuration Dialogue return “No”
* Once you are free to enter commands, copy the text from Office-R.txt and paste into the terminal. The router will be configured with:
  + hostname
  + a banner message
  + a password for the privileged execution mode
  + passwords for the remote management interfaces
  + IP address configuration
  + Inter-VLAN routing configuration
* Return “end” at the console to return to privileged exec mode. Return “copy run start” and confirm to save the configuration
* Remove the console cable from Office-R console port and connect it to the console port of the Office-SW switch
* Press enter on the configuration PC to start communication with the Switch
* After pressing enter the startup sequence may appear. Wait for text to finish scrolling the screen. If asked to enter the Configuration Dialogue return “No”
* Once you are free to enter commands, return the following commands, one-by-one:
  + Enable
  + Configure Terminal
  + Vlan 10
  + Name Office-Servers
  + Vlan 20
  + Name WiFi
  + Vlan 40
  + Name Hosts
  + Vlan 999
  + Name Parking-Lot
* copy the text from Office-SW.txt and paste into the terminal. The switch will be configured with:
  + hostname
  + a banner message
  + a password for the privileged execution mode
  + passwords for the remote management interfaces
  + VLAN creation
  + VLAN port assignment
  + Switchport security
* Return “end” at the console to return to privileged exec mode. Return “copy run start” and confirm to save the configuration

Wifi Router Configuration:

* Power on WiFi router and ensure its ethernet 4 port is connected to Office-SW, NOT the internet port.
* Connect configuration PC to ethernet port 1 and enter 192.168.1.1 into a browser address bar to access Linksys configuration panel
* Give device appropriate name and password when prompted
* Give wireless signals appropriate names and passwords when prompted
* Disable DHCP
* Disable NAT
* Disable guest network
* Change local network IP address to 10.120.20.253 255.255.255.0
* Add a static route with destination: 10.110.30.8/24 and gateway: 10.120.20.254
* Add a static route with destination: 10.110.10.0/24 and gateway: 10.120.20.254

No settings are required in the ‘Internet’ pane of the Linksys configuration page since the ‘Internet’ ethernet port is not being used. This configures the WiFi Router to be an access point for the LAN only. WiFi clients cannot access the internet through this connection. This allows local access to training materials and local files from portable devices.