

EX 8B PROCEDURE:

1. **Open Cisco Packet Tracer** and create a new project workspace.
2. **Add devices:** Drag a wireless router and three PCs (or laptops) onto the workspace.
3. **Connect the PC to the router:** Use a copper straight-through cable to connect the PC to the Ethernet port of the wireless router (e.g., FastEthernet0).
4. **Configure the wireless router:** Click on the wireless router icon, go to the GUI tab, and set the **SSID** under the Wireless settings.
5. **Enable DHCP:** In the router's setup tab, ensure DHCP is enabled to automatically assign IP addresses to connected devices. Set the DHCP range.
6. **Set up security:** Under the Wireless Security settings, choose a security mode (e.g., WPA or WEP) and set a passphrase or key.
7. **Configure each PC for wireless access:** For each PC, click on it, go to the Physical tab, remove any wired Ethernet module, and install a wireless adapter (e.g., WPC300N).
8. **Power on each PC:** After installing the wireless module, power on each PC.
9. **Connect PCs to the wireless network:** On each PC, go to the Desktop tab, select PC Wireless, find Network and enter the security key to connect.
10. **Verify connectivity:** Use the command prompt on each PC to ping the router's IP address (e.g., 192.168.0.1) and ensure successful communication.