

Own or Lease?

Objective

Configure DHCP for IPv4 on a LAN switch.

Scenario

This chapter presents the concept of using the DHCP process in a small- to medium-sized business network. This modeling activity describes how very basic wireless ISR devices work using the DHCP process.

Visit <http://ui.linksys.com/WRT54GL/4.30.0/Setup.htm>, which is a web-based simulator that helps you learn to configure DHCP using a Linksys wireless 54GL router. To the right of the simulator (in the blue description column), you can click **More** to read information about configuring DHCP settings on this particular integrated services router (ISR) simulator.

Practice configuring the ISR's:

- Hostname
- Local IP address with subnet mask
- DHCP (enable and disable)
- Starting IP address
- Maximum number of users to receive an IP DHCP address
- Lease time
- Time zone (use yours or a favorite as an alternative)

When you have completed configuring the settings as listed for this assignment, take a screen shot of your settings by using the **PrtScr** key command. Copy and place your screen shot into a word processing document or in the space provided below. Save it and be prepared to discuss your configuration choices with the class.

Required Resources

Internet connectivity

Reflection

1. Why would any network administrator need to save a bank of IP addresses for DHCP **not** to use?
2. You are designing your small- to medium-sized network and you have a choice as to whether to buy a small, generic ISR for DHCP purposes, or use a DHCP full server. Before you read this chapter, how would you make your decision?