

IP Address Configuration

At the end of this episode, I will be able to:

1. Identify key attributes of IP addressing.

Exam Objective: 2.6 - Given a scenario, install and configure basic wired/wireless small office/home office (SOHO) networks.

Description: In this episode, we demonstrate how to configure a TCP/IP properties of a network adapter. We demonstrate how to locate the IPv4 and IPv6 address configuration as well as configuring dynamic vs. static address and APIPA settings.

- IP address configuration
 - Use the search field and type "Network Connections"
 - Right-click the network adapter icon and choose "Status"
 - Review current settings
 - Right-click the network adapter icon and choose properties
 - Review protocols IPv4 and IPv6
 - Select IPv4 and choose properties
 - Demonstrate changing from static to dynamic IP

addressing

- Apply settings and review the network adapter status again by right clicking the icon and choosing "Status" note the APIPA address
- Review APIPA settings via the Alternate Configuration tab
- Set a static IP of 10.10.10.100
- Set a subnet mask of 255.255.255.0
- Set a gateway of 10.10.10.1
- Set a DNS server address of 10.10.10.100
mention loopback address
- Set alternate DNS server address of 8.8.8.8
- Apply the settings and use IPconfig to review configurations

- Additional Reference Materials

- Not applicable if blank