

6.8 Internet Connectivity

As you study this section, answer the following questions:

- In which situations would a PSTN be the best internet option? Why?
- How does DSL enable you to talk on the phone and connect to the internet at the same time?
- What is the difference between BRI and PRI service levels when dealing with ISDN internet?
- Which internet connectivity options send digital signals over telephone lines?
- What is a disadvantage of cellular internet access?
- What is required for a satellite internet connection?
- What are the different ways a device can connect to a cellular internet connection?

In this section, you will learn to:

- Configure a cable internet connection
- Configure a DSL internet connection
- Configure a dial-up internet connection

Key terms for this section include the following:

Term	Definition
Dial-up	A connection that uses a modem connected to the phone line to connect to the internet.
Digital Subscriber Line (DSL)	Technology that provides broadband digital data transmission over existing telephone lines.
Integrated Services Digital Network (ISDN)	A digital service running over a switched network. The two versions are ISDN BRI and ISDN PRI.
Cable television	A network that uses a cable TV connection to create a wide area connection to the internet.
Cellular network	A network that uses a cellular phone infrastructure for internet access.
Satellite	A network that uses radio signals sent and received from a satellite.
Line of sight	Networks that use antennas pointed at a large antenna on land instead of a satellite require the antenna to have a clear line of sight, or unobstructed path, to the main antenna.

This section helps you prepare for the following certification exam objectives:

Exam	Objective
TestOut PC Pro	1.5 Configure networking devices

	<p>1.5.1 Install and configure a wired and wireless network adapters and cables</p> <p>1.5.2 Install and configure internet connection devices</p>
CompTIA 220-1001	<p>2.2 Compare and contrast common networking hardware devices</p> <ul style="list-style-type: none"> ▪ Cable/DSL modem <p>2.3 Given a scenario, install and configure a basic wired/wireless SOHO network</p> <ul style="list-style-type: none"> ▪ Cable/DSL modem configuration <p>2.7 Compare and contrast Internet connection types, network types, and their features</p> <ul style="list-style-type: none"> ▪ Internet connection types <ul style="list-style-type: none"> ▪ Cable ▪ DSL ▪ Dial-up ▪ Fiber ▪ Satellite ▪ ISDN ▪ Cellular ▪ Tethering ▪ Mobile hotspot ▪ Line-of-sight wireless Internet service
CompTIA 220-1002	<p>1.8 Given a scenario, configure Microsoft Windows networking on a client/desktop</p> <ul style="list-style-type: none"> ▪ Establish networking connections <ul style="list-style-type: none"> ▪ Dial-ups ▪ Wired

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