8.5 Mounting File Systems

As you study this section, answer the following questions:

- Which directory contains mount points specifically for external storage devices?
- What do you need to do to make a USB drive accessible?
- What happens if you mount a volume to a directory that already contains data?
- How can you verify that a volume is mounted correctly?
- Which commands can you use to view the devices that are currently mounted?
- How can you prevent users from mounting an optical media drive?

In this section, you will learn to:

- Mount a volume to a specified directory with a specified file system.
- Unmount a volume.
- Mount a DVD drive to a specified directory.

Key terms for this section include the following:

Term	Definition
mount	View the currently mounted volumes on the system.
df	View which file systems are mounted to specific mount points.

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

Exam	Objective

CompTIA Linux+	1.0 Hardware and System Configuration
	• 1.4 Given a scenario, manage storage in a Linux environment.
	  ◦ Device mapper
	  ▪ LVM
	  ◦ Tools
	  ▪ Commands
	  ▪ df
	  ▪ mount
	  ▪ umount
	  ◦ Location
	  ▪ /etc/fstab
	  ▪ /dev/
	  ▪ /etc/mtab
	  ◦ File system types
	  ▪ ext4

2.0 Systems Operation and Maintenance

- 2.7 Explain the use and operation of Linux devices.
  - Types of devices
    - USB

4.4 Given a scenario, analyze and troubleshoot application and hardware issues.

- Storage
  - Degraded storage
  - Missing devices
  - Missing volumes
  - Missing mount point
  - Performance issues
  - Resource exhaustion
  - Adapters
    - SCSI
    - RAID
    - SATA
    - HBA
      - /sys/class/scsi_host/host#/scan
  - - Storage integrity
    - Bad blocks