

5.4 RAID

As you study this section, answer the following questions:

- How do striping and mirroring differ?
- What is parity?
- How does a RAID 0 configuration improve disk read and write performance?
- With a RAID 0 configuration, what happens to your data if a drive in the set fails?
- What is the minimum number of disks required for a RAID 5 configuration?
- What advantages does RAID 5 have over RAID 1?
- How do RAID 5 and RAID 10 differ?

In this section, you will learn to:

- Create RAID arrays
- Implement a RAID solution

Key terms for this section include the following:

Term	Definition
Redundant Array of Independent Disks (RAID)	A disk sub-system that combines multiple physical disks into a single logical storage unit.
Just a Bunch of Disks (JBOD)	A configuration that places multiple disks in a single logical storage unit.

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

Exam	Objective
TestOut PC Pro	1.3 Install and configure storage 1.3.3 Implement a RAID solution
CompTIA 220-1001	3.4 Given a scenario, select, install and configure storage devices. <ul style="list-style-type: none">▪ Configurations<ul style="list-style-type: none">▪ RAID 0, 1, 5, 10

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