

## 5.6 File System Creation

As you study this section, answer the following questions:

- Which tools can you use to create a volume?
- What does the Unknown status on a disk mean?
- What does the No Media status tell you?
- What is the difference between the Online status and the Online (Errors) status?

In this section, you will learn to:

- Create volumes
- Format and convert drives

Key terms for this section include the following:

| Term           | Definition   |
|----------------|--|
| Initialize     | Prepare a new disk for use.  |
| Partition      | A section of a hard disk separate from the rest. Partitions allow the operating system to manage the information in each section separately. |
| Storage Spaces | A Windows technology that helps prevent drive failures by allowing you to group drives into a storage pool and make data backups.            |

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

| Exam             | Objective  |
|------------------|--|
| TestOut PC Pro   | 1.3 Install and configure storage<br>1.3.2 Configure and manage storage  |
| CompTIA 220-1002 | 1.3 Summarize general OS installation considerations and upgrade methods. <ul style="list-style-type: none"><li>▪ Partitioning<ul style="list-style-type: none"><li>▪ Dynamic</li><li>▪ Basic</li><li>▪ Primary</li><li>▪ Extended</li><li>▪ Logical</li></ul></li></ul> 1.4 Given a scenario, use appropriate Microsoft command line tools. <ul style="list-style-type: none"><li>▪ gpupdate</li><li>▪ gpresult</li></ul> |

1.5 Given a scenario, use Microsoft operating system features and tools.

- Disk Management
  - Drive status
  - Mounting
  - Initializing
  - Extending partitions
  - Splitting partitions
  - Shrink partitions
  - Assigning/changing drive letters
  - Adding drives
  - Adding arrays
  - Storage spaces

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