

## 4.2 Bootloaders

As you study this section, answer the following questions:

- What is the path to the GRUB2 configuration file?
- How do you change the default operating system when using GRUB2?
- Which setting displays the available operating systems during system boot up?
- What is the syntax used to identify operating systems in the GRUB menu?

In this section, you will learn to:

- Configure the GRUB bootloader.
- Set the GRUB timeout.
- Configure dual boot.

Key terms for this section include the following:

Term	Definition
Grand Unified Boot Loader (GRUB)	A utility that boots a Linux kernel or any other operating system.
Grand Unified Boot Loader 2 (GRUB 2)	The updated version of the Grand Unified Bootloader (GRUB) utility. It is any version of GRUB 1.98 or later.

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

Exam	Objective
TestOut Linux Pro	1.3 Manage system startup and shutdown <ul style="list-style-type: none"><li>• Manage bootloader configurations</li></ul>
CompTIA Linux+	1.1 Explain Linux boot process concepts. <ul style="list-style-type: none"><li>• Boot loaders<ul style="list-style-type: none"><li>◦ GRUB</li><li>◦ GRUB2</li></ul></li><li>• File locations<ul style="list-style-type: none"><li>◦ /etc/default/grub</li><li>◦ /etc/grub2.cfg</li><li>◦ /boot</li><li>◦ /boot/grub</li><li>◦ /boot/grub2</li></ul></li><li>• Boot modules and files<ul style="list-style-type: none"><li>◦ Commands: grub2-install</li></ul></li></ul>

- Commands: grub2-mkconfig

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