

10.2 Process Management

As you study this section, answer the following questions:

- What is the difference between a process running in the foreground and a process running in the background?
- Which commands can be used to move processes between the foreground and the background?
- How can you change the priority of a process?
- What is the range for **nice** values?
- What number would be the highest priority for a **nice** value?
- Which termination signal is sent by the Ctrl+z key combination?

In this section, you will learn to:

- Stop a zombie process.
- Switch a process between the foreground and background.

Key terms for this section include the following:

Term	Definition
Foreground	Any command or task you run directly from a terminal and wait for it to complete. No other commands can run from the terminal until the process terminates.
Background	The area in which a task can run while other processes run in the foreground.

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

Exam	Objective
TestOut Linux Pro	1.4 Manage system processes <ul style="list-style-type: none">• Start, stop, and restart system services
CompTIA Linux+	2.6 Given a scenario, automate and schedule jobs. <ul style="list-style-type: none">• fg• bg• &• kill• Ctrl+z• nohup 4.2 Given a scenario, analyze system processes in order to optimize performance.

- Process management
 - Process states
 - Kill signals
 - Commands
 - nice
 - renice
 - pkill

Copyright © 2022 TestOut Corporation All rights reserved.