

9.3 Hotplug and Coldplug Devices

As you study this section, answer the following questions:

- What is the difference between a hotplug and a coldplug device?
- Which types of devices are usually coldplug devices?
- What is the function of the sysfs virtual file?
- Where is sysfs located?
- How does the system recognize when a device is added or removed?
- Which utility dynamically creates device files as devices are added to the system?

Key terms for this section include the following:

Term	Definition
Coldplug	Devices that should only be removed or replaced when the power to the computer is off.
Hotplug	Devices that can be removed while the computer is on.

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

Exam	Objective
CompTIA Linux+	<p>2.7 Explain the use and operation of Linux devices.</p> <ul style="list-style-type: none">• Types of devices<ul style="list-style-type: none">◦ USB◦ PCI• Monitoring and configuration tools<ul style="list-style-type: none">◦ udevadm<ul style="list-style-type: none">▪ add▪ reload-rules▪ control▪ trigger• File locations<ul style="list-style-type: none">◦ /dev• Hot pluggable devices<ul style="list-style-type: none">◦ /etc/udev/rules.d

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