Exam Report: 9.3.3 Practice Questions

Date: 4/3/28 6:18:50 pm
Time Spent: 1:12

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Overall Performance

Your Score: 60%

Passing Score: 80%

View results by: Objective Analysis Individual Responses

Individual Responses

Question 1: Correct

Which of the following devices is a hotplug device?

- CPU (Central Processing Unit)
- USB flash drives
- PCI Express cards
- RAM (Random Access Memory) chips

Explanation

The USB flash drive is a hotplug device. Hotplug devices can be removed while the computer is on. Linux uses software designed to detect these changes as the devices are added and removed. Hotplug devices also include FireWire devices.

Coldplug devices should only be removed or replaced when the power to the computer is off. Attempting to remove these devices while the power is on can damage the computer. Coldplug devices include:

- RAM (Random Access Memory) chips
- CPU (Central Processing Unit)
- Expansion cards, such as Peripheral Component Interconnect (PCI) or PCI Express cards
- Hard disk drives

References

Linux Pro - 9.3 Hotplug and Coldplug Devices
[e_udev_lp5.exam.xml Q_HOT_COLD_DEV_F_LP5_01]

Question 2: Correct

Which of the following daemons allow processes to communicate with each other and relay information about hotplug devices?

- hald
- udev
- sysfs
- D-Bus

Explanation

The Desktop Bus (D-Bus) daemon allows processes to communicate with each other and notify one another of new hotplug devices.

The Hardware Abstraction Layer daemon (hald) provides all applications with data about current hardware. sysfs is a virtual file system mounted at /sys that exports information about hotplug devices so

that other utilities can access the information. udev is a virtual file system that dynamically creates device files as devices are added and removed.

References

Linux Pro - 9.3 Hotplug and Coldplug Devices
[e_udev_lp5.exam.xml Q_HOT_COLD_DEV_F_LP5_02]

Question 3: Incorrect

What is the full path to the directory that allows you to name devices when they are connected to the system?

/etc/udev/rules.d/

Explanation

Use the /etc/udev/rules.d/ directory to name devices. udev is a virtual file system that dynamically creates device files as devices are added and removed.

References

Linux Pro - 9.3 Hotplug and Coldplug Devices
[e_udev_lp5.exam.xml Q_HOT_COLD_DEV_F_LP5_03]

Question 4: Incorrect

Match the correct term on the left with the definition on the right.

Allows processes to communicate with each other and notify one another of new hotplug devices.

~~/udev~~ D-Bus

Provides all applications with data about current hardware.

~~sysfs~~ hald

Dynamically creates device files in a virtual file system as devices are added and removed.

~~D-Bus~~ /udev

Exports information about hotplug devices so that other utilities can access the information.

~~hald~~ sysfs

Explanation

Linux uses the following components to manage devices:

- sysfs is a virtual file system mounted at /sys which exports information about hotplug devices so that other utilities can access the information.
- The Hardware Abstraction Layer (HAL) daemon (hald) provides all applications with data about current hardware. hald runs constantly.
- The Desktop Bus (D-Bus) daemon allows processes to communicate with each other and notify them of new hotplug devices.
- udev is a virtual file system that dynamically creates device files as devices are added and removed.

References

Linux Pro - 9.3 Hotplug and Coldplug Devices
[e_udev_lp5.exam.xml Q_HOT_COLD_DEV_F_LP5_04]

Question 5: Correct

Which of the following device categories do RAM chips, CPUs, expansion cards (such as PCI cards), and standard hard disk drives belong to?

- Desktop bus devices
- Coldplug devices

- Hardware abstraction devices
- Hotplug devices

Explanation

RAM chips, CPUs, expansion cards (such as PCI cards), and standard hard disk drives are all examples of coldplug devices. Coldplug devices should only be removed or replaced when the power to the computer is off. Attempting to remove these devices while the power is on can damage the device or the computer.

References

Linux Pro - 9.3 Hotplug and Coldplug Devices
[e_udev_lp5.exam.xml Q_HOT_COLD_DEV_F_LP5_05]