

I/O Systems



Review Questions

Section 13.1

13.1 What are the two conflicting trends of I/O devices?

Section 13.2

13.2 What is a controller?

13.3 True or False? Most CPUs allow some interrupts to be ignored so that a critical instruction cannot be interrupted.

Section 13.3

13.4 True or False? A given device may require different drivers for different operating systems.

13.5 What is an alternative to a nonblocking system call?

Section 13.4

13.6 List at least three different services provided by the kernel I/O subsystem.

Section 13.5

13.7 True or False? The lifecycle of an I/O request does not require many CPU cycles.

Section 13.6

13.8 What operating system is the STREAMS mechanism designed for?

Section 13.7

13.9 True or False? I/O operations do not have a significant impact on performance.

