Table 13.1 Signals

Signal	Description	Default Action
SIGABRT	Delivered by abort()	Terminate, core
SIGALRM	An alarm() has expired	Terminate
SIGBUS	Hardware-dependent error	Terminate
SIGCHLD	Child process terminated	Ignored
SIGCONT	Process has been continued after being stopped	Ignored
SIGHUP	The process's controlling tty was closed	Terminate
SIGFPE	Arithmetic point exception	Terminate, core
SIGILL	An illegal instruction was encountered	Terminate, core
SIGINT	User sent the interrupt character (^C)	Terminate
SIGIO	Asynchronous I/O has been received	Terminate
SIGKILL	Uncatchable process termination	Terminate
SIGQUIT	User sent the quit character (^\)	Terminate, core
SIGPIPE	Process wrote to a pipe w/o any readers	Terminate
SIGPROF	Profiling segment ended	Terminate
SIGPWR	Power failure detected	Terminate
SIGSEGV	Memory violation	Terminate, core
SIGSTOP	Stops the process without terminating it	Process stopped
SIGTERM	Catchable termination request	Terminate
SIGTRAP	Breakpoint instruction encountered	Terminate, core
SIGTSTP	User sent suspend character (^Z)	Process stopped
SIGTTIN	Background process read from controlling tty	Process stopped
SIGTTOU	Background process wrote to controlling tty	Process stopped
SIGWINCH	Size of the controlling tty has changed	Ignored
SIGURG	Urgent I/O condition	Ignored
SIGUSR1	Process-defined signal	Terminate
SIGUSR2	Process-defined signal	Terminate
SIGXCPU	CPU resource limit exceeded	Terminate
SIGXFSZ	File-size resource limit exceeded	Terminate
SIGVTALRM	setitimer() timer has expired	Terminate

SIGBUS When a process violates hardware constraints other than those related to memory protections, this signal is sent. This usually occurs on traditional Unix platforms when an unaligned access occurs, but the Linux kernel fixes unaligned access and continues the process. Memory alignment is discussed further on page 57.

SIGCHLD This signal is sent to a process when one of that process's children has exited or stopped. This allows the process to avoid zombies by calling one of the wait() functions from