

Kill - Befehl

Übersicht der Signale

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# man 7 signal
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Ausgabe:

Standard signals

Linux supports the standard signals listed below. Several signal numbers are architecture-dependent, as indicated in the "Value" column. (Where three values are given, the first one is usually valid for alpha and sparc, the middle one for x86, arm, and most other architectures, and the last one for mips. (Values for parisc are not shown; see the Linux kernel source for signal numbering on that architecture.) A dash (-) denotes that a signal is absent on the corresponding architecture.

First the signals described in the original POSIX.1-1990 standard.

Signal	Value	Action	Comment
SIGHUP	1	Term	Hangup detected on controlling terminal or death of controlling process
SIGINT	2	Term	Interrupt from keyboard
SIGQUIT	3	Core	Quit from keyboard
SIGILL	4	Core	Illegal Instruction
SIGABRT	6	Core	Abort signal from abort(3)
SIGFPE	8	Core	Floating-point exception
SIGKILL	9	Term	Kill signal
SIGSEGV	11	Core	Invalid memory reference
SIGPIPE	13	Term	Broken pipe: write to pipe with no readers; see pipe(7)
SIGALRM	14	Term	Timer signal from alarm(2)
SIGTERM	15	Term	Termination signal
SIGUSR1	30,10,16	Term	User-defined signal 1

SIGUSR2	31,12,17	Term	User-defined signal 2
SIGCHLD	20,17,18	Ign	Child stopped or terminated
SIGCONT	19,18,25	Cont	Continue if stopped
SIGSTOP	17,19,23	Stop	Stop process
SIGTSTP	18,20,24	Stop	Stop typed at terminal
SIGTTIN	21,21,26	Stop	Terminal input for background process
SIGTTOU	22,22,27	Stop	Terminal output for background process

The signals SIGKILL and SIGSTOP cannot be caught, blocked, or ignored.

Next the signals not in the POSIX.1-1990 standard but described in SUSv2 and POSIX.1-2001.

Signal	Value	Action	Comment
SIGBUS	10,7,10	Core	Bus error (bad memory access)
SIGPOLL		Term	Pollable event (Sys
			V).
			Synonym for SIGIO
SIGPROF	27,27,29	Term	Profiling timer expired
SIGSYS	12,31,12	Core	Bad system call
			(SVr4);
			see also seccomp(2)
SIGTRAP	5	Core	Trace/breakpoint trap
SIGURG	16,23,21	Ign	Urgent condition on socket (4.2BSD)
SIGVTALRM	26,26,28	Term	Virtual alarm clock (4.2BSD)
SIGXCPU	24,24,30	Core	CPU time limit exceeded
			(4.2BSD);
			see setrlimit(2)
SIGXFSZ	25,25,31	Core	File size limit exceeded
			(4.2BSD);
			see setrlimit(2)

Up to and including Linux 2.2, the default behavior for SIGSYS, SIGXCPU, SIGXFSZ, and (on architectures other than SPARC and MIPS) SIGBUS was to terminate the process (without a core dump). (On some other UNIX systems the default action for SIGXCPU and SIGXFSZ is to terminate the process without a core dump.) Linux 2.4 conforms to the POSIX.1-2001 requirements for these signals, terminating the process with a core dump.

Next various other signals.

Signal	Value	Action	Comment
SIGIOT	6	Core	IOT trap. A synonym for SIGABRT
SIGEMT	7, -, 7	Term	Emulator trap
SIGSTKFLT	-, 16, -	Term	Stack fault on coprocessor (unused)
SIGIO	23, 29, 22	Term	I/O now possible (4.2BSD)
SIGCLD	-, -, 18	Ign	A synonym for SIGCHLD
SIGPWR	29, 30, 19	Term	Power failure (System V)
SIGINFO	29, -, -		A synonym for SIGPWR
SIGLOST	-, -, -	Term	File lock lost (unused)
SIGWINCH	28, 28, 20	Ign	Window resize signal (4.3BSD, Sun)
SIGUNUSED	-, 31, -	Core	Synonymous with SIGSYS

(Signal 29 is SIGINFO / SIGPWR on an alpha but SIGLOST on a sparc.)

SIGEMT is not specified in POSIX.1-2001, but nevertheless appears on most other UNIX systems, where its default action is typically to terminate the process with a core dump.

SIGPWR (which is not specified in POSIX.1-2001) is typically ignored by default on those other UNIX systems where it appears.

SIGIO (which is not specified in POSIX.1-2001) is ignored by default on several other UNIX systems.

Where defined, SIGUNUSED is synonymous with SIGSYS on most architectures.

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