Rocky Enterprise Linux 9.2 Manual Pages on command 'socketcall.2'

C:\>man socketcall.2

SOCKETCALL(2) Linux Programmer's Manual SOCKETCALL(2)

NAME

socketcall - socket system calls

SYNOPSIS

#include <linux/net.h>

int socketcall(int call, unsigned long *args);

DESCRIPTION

socketcall() is a common kernel entry point for the socket system calls. call de?

termines which socket function to invoke. args points to a block containing the

actual arguments, which are passed through to the appropriate call.

User programs should call the appropriate functions by their usual names. Only

standard library implementors and kernel hackers need to know about socketcall().

call	Man page
SYS_SOCKET	socket(2)
SYS_BIND	bind(2)
SYS_CONNECT	connect(2)
SYS_LISTEN	listen(2)
SYS_ACCEPT	accept(2)
SYS_GETSOCKNAME	getsockname(2)
SYS_GETPEERNAME	getpeername(2)
SYS_SOCKETPAIR	socketpair(2)
SYS_SEND	send(2)

SYS_RECV recv(2)

SYS_SENDTO sendto(2)

SYS_RECVFROM recvfrom(2)

SYS_SHUTDOWN shutdown(2)

SYS_SETSOCKOPT setsockopt(2)

SYS_GETSOCKOPT getsockopt(2)

SYS_SENDMSG sendmsg(2)

SYS_RECVMSG recvmsg(2)

SYS_ACCEPT4 accept4(2)

SYS_RECVMMSG recvmmsg(2)

SYS_SENDMMSG sendmmsg(2)

CONFORMING TO

This call is specific to Linux, and should not be used in programs intended to be portable.

NOTES

On a some architectures?for example, x86-64 and ARM?there is no socketcall() system call; instead socket(2), accept(2), bind(2), and so on really are implemented as separate system calls.

On x86-32, socketcall() was historically the only entry point for the sockets API. However, starting in Linux 4.3, direct system calls are provided on x86-32 for the sockets API. This facilitates the creation of seccomp(2) filters that filter sock? ets system calls (for new user-space binaries that are compiled to use the new en? try points) and also provides a (very) small performance improvement.

SEE ALSO

accept(2), bind(2), connect(2), getpeername(2), getsockname(2), getsockopt(2), lis? ten(2), recv(2), recvfrom(2), recvmsg(2), send(2), sendmsg(2), sendto(2), setsock? opt(2), shutdown(2), socket(2), socketpair(2)

COLOPHON

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