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

$ man getsockname.2

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

NAME

   getsockname - get socket name

SYNOPSIS

   #include <sys/socket.h>

   int getsockname(int sockfd, struct sockaddr *addr, socklen_t *addrlen);

DESCRIPTION

   getsockname() returns the current address to which the socket sockfd is

   bound, in the buffer pointed to by addr. The addrlen argument should

   be initialized to indicate the amount of space (in bytes) pointed to by

   addr. On return it contains the actual size of the socket address.

   The returned address is truncated if the buffer provided is too small;

   in this case, addrlen will return a value greater than was supplied to

   the call.

RETURN VALUE

   On success, zero is returned. On error, -1 is returned, and errno is

   set appropriately.

ERRORS

EBADF The argument sockfd is not a valid file descriptor.

EFAULT The addr argument points to memory not in a valid part of the

process address space.

EINVAL addrlen is invalid (e.g., is negative).

ENOBUFS

Insufficient resources were available in the system to perform

the operation.

ENOTSOCK

The file descriptor sockfd does not refer to a socket.

CONFORMING TO

POSIX.1-2001, POSIX.1-2008, SVr4, 4.4BSD (getsockname() first appeared

in 4.2BSD).

NOTES

For background on the socklen_t type, see accept(2).

SEE ALSO

bind(2), socket(2), getifaddrs(3), ip(7), socket(7), unix(7)

COLOPHON

This page is part of release 5.10 of the Linux man-pages project.   A

description of the project, information about reporting bugs, and the

latest   version   of   this   page,   can   be   found   at

https://www.kernel.org/doc/man-pages/.

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