



Linux Ubuntu 26.04 Manual Pages on command 'getsockname.2'

\$ man getsockname.2

getsockname(2) System Calls Manual getsockname(2)

NAME

getsockname - get socket name

LIBRARY

Standard C library (libc, -lc)

SYNOPSIS

```
#include <sys/socket.h>
```

```
int getsockname(int sockfd, struct sockaddr *restrict addr,  
                socklen_t *restrict 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 to indicate the error.

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.

STANDARDS

POSIX.1-2024.

HISTORY

POSIX.1-2001, SVr4, 4.2BSD.

SEE ALSO

[bind\(2\)](#), [socket\(2\)](#), [getifaddrs\(3\)](#), [ip\(7\)](#), [socket\(7\)](#), [unix\(7\)](#)

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