

NAME

sctp_getpaddrs, **sctp_getladdrs** - return a list of addresses to the caller

LIBRARY

Standard C Library (libc, -lc)

SYNOPSIS

```
#include <sys/types.h>
#include <sys/socket.h>
#include <netinet/sctp.h>
```

int

```
sctp_getpaddrs(int s, sctp_assoc_t asocid, struct sockaddr **addrs);
```

int

```
sctp_getladdrs(int s, sctp_assoc_t asocid, struct sockaddr **addrs);
```

DESCRIPTION

The **sctp_getpaddrs()** function is used to get the list of the peers addresses. The **sctp_getladdrs()** function is used to get the list of the local addresses. The association of interest is identified by the *asocid* argument. The addresses are returned in a newly allocated array of socket addresses returned in the argument *addrs* upon success.

After the caller is finished, the function **sctp_freepaddrs()** or **sctp_freeladdrs()** should be used to release the memory allocated by these calls.

RETURN VALUES

The call returns -1 upon failure and a count of the number of addresses returned in *addrs* upon success.

ERRORS

The functions can return the following errors:

- | | |
|------------|--|
| [EINVAL] | An address listed has an invalid family or no addresses were provided. |
| [ENOMEM] | The call cannot allocate memory to hold the socket addresses. |
| [EBADF] | The argument <i>s</i> is not a valid descriptor. |
| [ENOTSOCK] | The argument <i>s</i> is not a socket. |

SEE ALSO

getsockopt(2), sctp_freeladdrs(3), sctp_freepaddrs(3), sctp(4)