

**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)