

SCTP Socket API

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Supported RFCs

- Basic SCTP: RFC 4960.
- PR-SCTP extension: RFC 3758.
- SCTP-AUTH extension: RFC 4895.
- ADD-IP extension: RFC 5061.

Deployment

- FreeBSD 7.0
- Linux 2.6 kernel
- Solaris 10
- HP-UX
- AIX
- Mac OS X (NKE, based on FreeBSD code)
- socketapilib for sctplib

Status

- Set of functions is very stable.
- Support of generic functions widely available.
- Some SCTP specific functions are not yet always implemented.
- Not all socket options are available on all platforms.
- Last change of a function signature is a year old...

SCTP on FreeBSD

- Implements all functions.
- Supports almost all structures in the current form.
- Experience with applications stressing the API:
 - MPI implementations.
 - RSerPool implementation.
 - Sigtran implementation.

Upcoming Changes

- Based on the results of a discussion at the last SCTP Interop with participation of FreeBSD, Linux and Solaris implementers.
- Clarifications to some sections, removal of unused stuff.
- Changing to some C structures.