

Stream Control Transmission Protocol (SCTP) - Applications and Open Issues

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The Stream Control Transmission Protocol (SCTP) is a transport protocol providing a reliable transport of messages. The current activities in the IETF include the standardization of techniques necessary for a wider deployment of SCTP:

- DTLS/SCTP to provide an efficient transport layer security solution.
- NAT traversal which is SCTP aware.
- Firewall support for SCTP.

Furthermore research interests include improving SCTP and extending its possible usages into new areas like support for anycast or multicast, mobility applications and tunneling solutions.