

PR-SCTP Policies

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PR-SCTP

- Specified in RFC 3758
- multiple PR-SCTP policies
- Defining a PR-SCTP policy us a sender side only issue.
- RFC 6458 (SCTP Socket API) also allows multiple policies
- Specifies only one: PR_SCTP_TTL

New Policy: PR_SCTP_RTX

- Limits the number of retransmissions for each DATA chunk of a user message.
- Takes timer based and fast retransmissions into account.
- Using 0 provides service similar to UDP.
- Used by RTCWeb.

New Policy: PR_SCTP_PRIO

- Assigns a priority to user messages.
- In case of a buffer shortage on the sender side, lower priority messages get abandoned in favour of higher priority ones.
- Used by IPFIX.

Status of the ID

- Socket API considerations are included.
- Implemented in FreeBSD for multiple years.
- Comments are very welcome.
- Ready for WG adoption?