

SCTP and NAT

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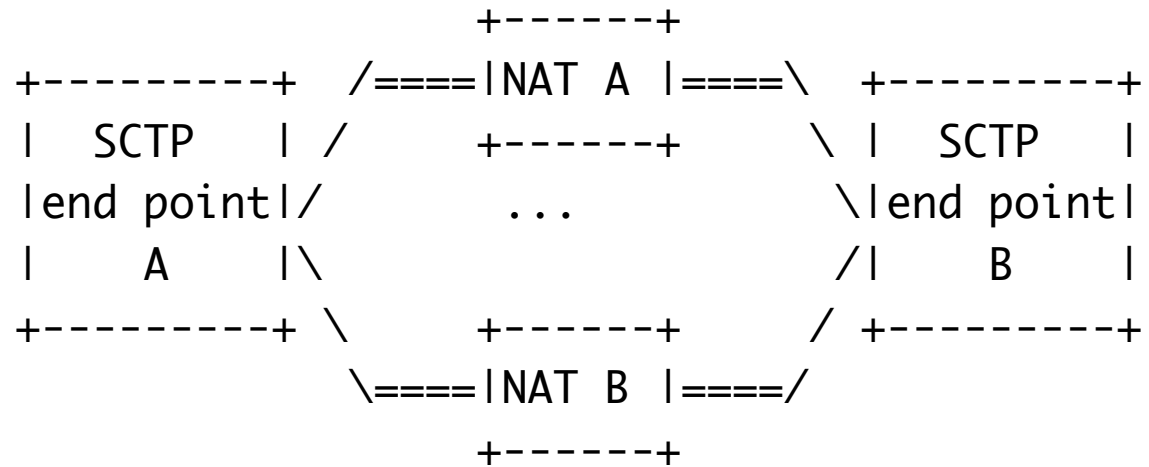
Documents

- draft-xie-behave-sctp-nat-cons-01.txt
- draft-stewart-behave-sctp-nat-01.txt
- draft-tuexen-sctp-udp-encaps-00.txt

Single Point Traversal

```
+-----+                               +-----+
|  SCTP  |                               |  SCTP  | | | | |
|end point|====| NAT |:::| NAT |====|end point|
|    A    |                               |    B    |
+-----+                               +-----+
```

Multi Point Traversal



NAPT versus an SCTP specific NAT

- If NAPT is used, multiple NATs must be synchronized to select the same port number.
- For NAT multiple connections can be distinguished by the verification tag which is included in every SCTP packet.

Support of legacy NATs

- Use UDP encapsulation
- The UDP ports do not have to be synchronized.
- Detection of legacy NATs?