Inappropriate TCP Resets Considered Harmful

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- Some load balancers and firewalls send TCP Resets in response to ECN-setup SYN packets. Some others drop the SYN packets.

- RFC 793 covers when TCP Resets can be sent.

- The ECN Proposed Standard document allows TCP senders to send a non-ECN-setup SYN in response to a Reset.

- There are general questions about the evolvability of transport protocols.

Questions:

- What do transport protocols have to do to protect themselves from middleboxes?

- How should middleboxes communicate to end systems?