The NewReno Modification to TCP’s Fast Recovery Algorithm

draft-ietf-tsvwg-newreno-01.txt
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IETF, tsvwg
Status:

• Just finished WG Last Call

• Reason:
  - To take RFC 2582 (NewReno) from Experimental to Proposed,
  - changing one "SHOULD" to a "MUST" in the process.

• Most TCP implementations in the Internet already support NewReno
  - for non-SACK connections.
Changes from draft-ietf-tsvwg-newreno-00.txt:

* Added to the section on Implementation Issues:
  - a flag for whether Fast Recovery is in effect.
  - a note about updating "recover" when Fast Recovery is not in effect.
  - clarify that Fast Recovery is not used when not in Fast Retransmit.

* More text comparing the Impatient and the Slow-but-Steady variants.

* More discussion in the section on "Avoiding Multiple Fast Retransmits",
  - including other heuristics.
Feedback during WG Last Call:

• Some improvements in phrasing suggested by Mark Allman.