Increasing TCP's Initial Window
draft-ietf-tcpm-initcwnd-03.txt

J. Chu, N. Dukkipati , Y. Cheng, M. Mathis

hkchu, nanditad, ycheng, mattmathis@google.com

Draft Status

- Published -03 revision to get ready for WGLC
  - Changed Intended status to Experimental
  - Fixed all the loose ends including PMTU != 1500
  - Summarized all the studies and their results
  - Moved "List of Concerns and Corresponding Test Results" to Appendix
  - Commented on the "buffer bloat" concern

Usage and Deployment Recommendations

- Summarized WG's concerns and consensus
  - Further experiments are needed to understand IW10's effect at the Internet scale
  - Experiments need to be conducted with care
    - Monitoring performance closely
  - Revisit the question of standardization in the near future

Going Beyond IW=10

- Web objects continue to grow in size
- Looking for other ways to shed the round trips
- Feedbacks from the burst of 10 pkts provides a great springboard forward
  - RTT measurements, ack spacing, loss pattern,…
- Schedule packets sooner while avoiding bursts (i.e., pace pkts based on feedbacks from IW10)