TCP Maintenance and Minor Extensions (TCPM) Working Group Status

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Agenda

• Agenda bash & WG status (5min)
• WG items
  – RFC 1323 bis (10 + 10 min) / Richard Scheffenegger
draft-ietf-tcpm-1323bis
  – TCP Fast Open (10 + 10 min) / Yuchung Cheng
draft-ietf-tcpm-fastopen
• More Accurate ECN Discussion
  – Problem Statement and draft progress (15 + 15 min) / Mirja Kühlewind
draft-kuehlewind-tcpm-accecn-reqs
draft-kuehlewind-tcpm-accurate-ecn
draft-kuehlewind-tcpm-accurate-ecn-option
• RTO Loss Recovery Enhancements
  – TCP and SCTP RTO Restart (10 min) / Michael Welzl
draft-hurtig-tcpm-rtorestart
  – TCP Loss Probe (TLP): An Algorithm for Fast Recovery of Tail Losses (10 min) / Yuchung Cheng
draft-dukkipati-tcpm-tcp-loss-probe
  – Discussion (10 min)
• Other Items
  – Updating TCP to support Rate-Limited Traffic (10 + 10 min) / Gorry Fairhurst
draft-fairhurst-tcpm-newcwv
Status of Documents
Recent RFCs

• TCP Options and MSS
draft-ietf-tcpm-tcpmss
Status: RFC 6691 (July 2012)

• Conservative SACK-based Recovery Algorithm / RFC 3517bis
draft-ietf-tcpm-3517bis
Status: RFC 6675 (August 2012)
WG Items Nearing RFC Publication

- Increasing the Initial Window
draft-ietf-tcpm-initcwnd
Milestone Target: Experimental in September 2011
Status: Chairs to submit for publication

- Proportional Rate Reduction for TCP
draft-ietf-tcpm-proportional-rate-reduction
Milestone Target: Experimental in May 2012
Status: Chairs to submit for publication

- Shared Use of Experimental TCP Options
draft-ietf-tcpm-experimental-options
Milestone Target: PS in September 2012
Status: Chairs to submit for publication
Active WG Items

• TCP Extensions for High Performance
draft-ietf-tcpm-1323bis
Milestone Target: Proposed Standard in July 2009
Status: Revised after being expired, Richard Scheffenegger joined editing team
Action: **WG to review** – will it soon be ready for WGLC?

• TCP Fast Open
draft-cheng-tcpm-fastopen
Status: Revised recently
Action: Soon ready for WGLC?
Individual Drafts

- ECN detailed feedback and RTO recovery drafts discussed today
- Roadmap / RFC 4614bis (draft-zimmermann-tcpm-tcp-rfc4614bis)
- TCP Authentication Option NAT Extension (draft-touch-tcp-ao-nat)
  - Submitted for independent stream publication 6/1/2012
- Automating the TCP Initial Window (draft-touch-tcpm-automatic-iw)
  - Some of the approach has been included in IW10
  - Plan to submit as independent stream publication
- See WG status email for longer list