TCP Maintenance and Minor Extensions (TCPM) Working Group Status

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IETF 85 – Atlanta, GA, USA

November 2012

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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
Milestone Target: Experimental in Sept. 2012
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