

TCP Maintenance and Minor Extensions (TCPM) WG

IETF 79, Beijing

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David Borman, Wes Eddy: Co-chairs

Contacts & Mailing list

- WG Chairs:
 - Wesley Eddy: wesley.m.eddy@nasa.gov
 - David Borman: david.borman@windriver.com
 - tcpm-chairs@tools.ietf.org
- Mailing list: tcpm@ietf.org
- Jabber Room: tcpm@jabber.ietf.org

Administrivia

- Note-Well
- Agenda Bashing
- Scribes & Blue sheets
 - Minute Scribe
 - Jabber Scribe
- WG Status
 - Charter milestones updated
 - Wiki / Issue tracker available on the IETF tools page
 - Handling TCP RFC Errata - one request so far, more to come

Note Well

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WG Items Nearing RFC Publication

- Long Connectivity Disruptions
 - <http://www.ietf.org/id/draft-ietf-tcpm-tcp-lcd-03.txt>
 - Milestone Target: Experimental in October 2010
 - Status: In RFC Editor's queue since 9/14/2010

- Urgent Data
 - <http://www.ietf.org/id/draft-ietf-tcpm-urgent-data-05.txt>
 - Milestone Target: Proposed Standard in January 2010
 - Status: in RFC Editor's queue since 10/15/2010

Items in WG LC or being revised after WGLC

- draft-eggert-tcpm-historicize-00
 - Milestone Target: Informational in October 2010
 - Status: poll started 6/24; generally positive responses. WGLC started on 8/19, to close 9/17 - some positive and no negative responses
 - Action: PROTO statement is ready to submit; Wes to submit

- Timestamps
 - <http://tools.ietf.org/id/draft-ietf-tcpm-tcp-timestamps-00.txt>
 - Milestone Target: needs to be added to charter
 - Status: Was in WGLC until 10/1 - some feedback received; Fernando asked for confirmation that the update answers the feedback

Items in WG LC or being revised after WGLC (cont)

- MSS Option

- <http://www.ietf.org/id/draft-ietf-tcpm-tcpmss-02.txt>
- Milestone Target: Proposed Standard in July 2009
- Status: WGLC started 8/19, ended 9/8 (extended)
 - 2nd WGLC started at IETF 77, and is ended with few comments
- Action: David will check with commenters from first WGLC to see if issues are closed
- Wes will write PROTO and send to the IESG, after WGLC starts and completes

Active WG Items

- TCP Security

- <http://www.ietf.org/id/draft-ietf-tcpm-tcp-security-01.txt>
- Milestone Target: BCP in August 2010
- Status: content needs work
- Action: progress on recommendations made at IETF 77 needs to be worked into the next version of draft (D. Borman to work w/ Fernando)
- Met in Beijing on Wednesday, David Borman to pass notes from Anaheim to Fernando

Active WG items

- SACK Entry / RFC 3517bisf
 - <http://www.ietf.org/id/draft-blanton-tcpm-3517bis-00.txt>
 - Milestone Target: Proposed Standard in October 2010
 - Action: need to check on timeframe with authors now that RFC 3517bis has been merged with the SACK-entry draft. May be ready for WGLC in near term?

- 1323bis
 - <http://www.ietf.org/id/draft-ietf-tcpm-1323bis-01.txt>
 - Milestone Target: Proposed Standard in July 2009
 - Status: Needs revision
 - Action: Revise & WGLC (action with D. Borman)

Active WG Items

- Clarification of sender behavior in persist condition
 - <http://tools.ietf.org/id/draft-ietf-tcpm-persist-00.txt>
 - Milestone Target: needs to be added to charter
 - Status: initial draft submitted
 - Action: Authors working on an update to clarify intent of socket option description. Update planned to enter WGLC.
- Increasing the Initial Window
 - draft-hkchu-tcpm-initcwnd-01
 - Milestone Target: August 2011 to determine intended status, September 2011 to publish document
 - Status: under active discussion / review
 - Action: determine intended status through continued WG discussion, plan to present/discuss further data in Beijing (and on-list)

Active WG Items

- Computing TCP's Retransmission Timer
 - <http://tools.ietf.org/id/draft-paxson-tcpm-rfc2988bis-00.txt>
 - Status: presented briefly at IETF 77, also well-discussed on mailing list earlier and at IETF 75. Confirmation poll for adoption started on 9/17, closed 10/1
 - Action: Submit WG document version. Chairs to add milestone to charter
- NewReno Update
 - <http://datatracker.ietf.org/doc/draft-henderson-tcpm-rfc3782-bis/>
 - Status: adopted as WG item
 - Milestone Target: Proposed Standard in August 2011
 - Does the draft-nishida-newreno-modification logic need to be added as an appendix, published separately, or other?

Other Proposals Not Yet Decided On

- draft-anumita-tcpm-stronger-checksum-00
 - Status: discussed on-list, mingled with historicize draft discussion
- draft-duan-tcpm-tcp-ao-rekeying-00
 - Status: discussed in Anaheim and on-list; motivations and usefulness was questioned
- draft-huang-tcpm-tcp-eack-00
 - Status: discussed on-list; there seems to be agreement that ACK congestion control (RFC 5690) will mitigate the issue

Other Proposals Not Yet Decided On

- AO NAT

- <http://www.ietf.org/internet-drafts/draft-touch-tcp-ao-nat-00.txt>
- Status: IETF 77 discussion determined this should be Experimental, whether or not it is a WG document; need to ask TCCPM list
- Action: need to poll mailing list about path forward

Older & Expired Documents Discussed

- Discussions on Rate-Halving
 - <http://tools.ietf.org/id/draft-mathis-tcp-ratehalving-00.txt>
 - Action: mailing list discussion about the history of this, and whether it needs to be revived
- Faster Application Handshakes with SYN/ACK Payloads
 - Expired draft-agl-tcpm-sadata-01
 - Status: expired; not specifically polled for adoption in WG
- draft-ycheng-tcpm-rtosynrtt-00
 - Status: has been suggested as either an addition to 2988bis or to initcwnd documents
 - Action: discussion with authors indicates that this is superseded by the other changes in the 2988bis document

Documents Not Adopted by WG

- TCP Option for Transparent Middlebox Discovery
 - <http://www.ietf.org/id/draft-knutsen-tcpm-middlebox-discovery-03.txt>
 - Status: discussed on mailing list and updated in respons poll for working group adoption opened on 12/9, responses desired by 12/23, decision not to adopt by WG; IESG may allow publication and option number assignment at their discretion, but TCPM does not have consensus to do this work. Background presented at IETF 77, authors are working with other vendors on a separate mailing list
- <http://tools.ietf.org/html/draft-sridharan-tcpm-ctcp-02>
 - Status: polled for interest on 6/16/10; one positive response; no negative - too weak for adoption

Other TCP Documents

- TCP Cookie Transactions (TCPCT)
 - <http://www.ietf.org/internet-drafts/draft-simpson-tcpct-02.txt>
 - Status: submitted for Experimental RFC through Independent Stream in AUTH48

Presentations

- Increasing the Initial Window Jerry Chu (45 minutes)
- Initial Window / Initial RTO Study Ilpo Jarvinen (45 minutes)
- Datacenter TCP Murari Sridharan (15 minutes)