

TCP Maintenance and Minor Extensions (TCPM) WG

IETF 77, Anaheim

March 23, 2010

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WIND RIVER

Contacts & Mailing list

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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

- **Early-Retransmit**
 - <http://www.ietf.org/id/draft-ietf-tcpm-early-rexmt-04.txt>
 - Milestone Target: Experimental in July 2009
 - Status: In RFC Editor's queue
 - Action: None in TCPM
- **ICMP Attacks**
 - <http://www.ietf.org/id/draft-ietf-tcpm-icmp-attacks-11.txt>
 - Milestone Target: Informational in July 2009
 - Status: finished IETF LC, with IESG
 - Action: None in TCPM

WG Items Nearing RFC Publication (cont)

- **TCP Authentication Option**
 - <http://www.ietf.org/id/draft-ietf-tcpm-tcp-auth-opt-10.txt>
 - Milestone Target: Proposed Standard in April 2009
 - Status: sent to IESG
 - Action: None in TCPM; authors resolving IESG issues

- **TCP Authentication Option Crypto**
 - <http://www.ietf.org/id/draft-ietf-tcpm-tcp-ao-crypto-01.txt>
 - Milestone Target: Proposed Standard with AO spec
 - Status: sent to IESG
 - Action: None in TCPM; authors resolving IESG issues

Items in WG LC

- **Urgent Pointer**
 - <http://www.ietf.org/id/draft-ietf-tcpm-urgent-data-05.txt>
 - Milestone Target: Proposed Standard in January 2010
 - Status: updated after WGLC
 - Action: chairs (David) writing PROTO for sending to IESG
- **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)
 - Action: being updated based on several of the comments (action with D. Borman)
 - needs another WGLC after being revised

Active WG Items

- **TCP Security**
 - <http://www.ietf.org/id/draft-ietf-tcpm-tcp-security-01.txt>
 - Milestone Target: BCP in August 2010
 - Status: outline discussion dying off? content needs work
 - Action: WG session on Wednesday Morning
- **Long Connectivity Disruptions**
 - <http://www.ietf.org/id/draft-ietf-tcpm-tcp-lcd-00.txt>
 - Milestone Target: Experimental in October 2010
 - Status: submitted as initial WG document; authors think no real issues are left
 - Action: need WG to read/discuss; may be close to ready for last call

Active WG items

- **SACK Entry**
 - <http://www.ietf.org/id/draft-ietf-tcpm-sack-recovery-entry-01.txt>
 - Milestone Target: Proposed Standard in October 2010
 - Action: need WG to read/discuss
 - discussion underway of working on this as update to 3517
- **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)

Documents Under a Poll to Become WG Items

- **Clarification of sender behavior in persist condition.**
 - <http://tools.ietf.org/id/draft-ananth-tcpm-persist-01.txt>
 - **Status:** discussed on mailing list and in face-to-face meetings
 - **WG poll opened on March 8**
 - **Action:** Need responses from WG if this is to be supported
- **Timestamps**
 - <http://tools.ietf.org/id/draft-gont-tcpm-tcp-timestamps-01.txt>
 - **Status:** discussed on mailing list and at Minneapolis meeting
 - **WG poll opened on March 8**
 - **Action:** Need responses from WG if this is to be supported

Other Proposals Not Yet Decided On

- **NewReno Modification**
 - <http://www.ietf.org/internet-drafts/draft-nishida-newreno-modification-01.txt>
 - **Action: need WG to read/discuss**
 - **Presentation given, document updated, but WG list not yet polled for adoption**

- **AO NAT**
 - <http://www.ietf.org/internet-drafts/draft-touch-tcp-ao-nat-00.txt>
 - **Action: WG review/discuss issues raised by Eric Rescorla; to be considered as a potential update to the AO spec AFTER the base AO spec is published**

Other Proposals Not Yet Decided On (cont)

- **AO Rekeying**
 - <http://tools.ietf.org/id/draft-duan-tcpm-tcp-ao-rekeying-00.txt>
 - Action: WG to discuss (Anaheim & mailing list)
- **Increasing TCP's Initial Window**
 - <http://tools.ietf.org/html/draft-hkchu-tcpm-initcwnd-00>
 - Action: WG to discuss (Anaheim & mailing list)
- **Computing TCP's Retransmission Timer**
 - <http://tools.ietf.org/id/draft-paxson-tcpm-rfc2988bis-00.txt>
 - Action: WG to discuss (Anaheim & mailing list)

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

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

Presentations

- **TCP-LCD** **Alexander Zimmerman (5 minutes)**
 - <http://www.ietf.org/id/draft-ietf-tcpm-tcp-lcd-00.txt>
- **SACK-Entry Status** **Markku Kojo (5 minutes)**
 - <http://www.ietf.org/id/draft-ietf-tcpm-sack-recovery-entry-01.txt>
- **Middlebox Discovery** **Andrew Knutsen (25 minutes)**
 - <http://tools.ietf.org/html/draft-knutsen-tcpm-middlebox-discovery-03.txt>
- **Reducing the Initial RTO** **Jerry Chu (25 minutes)**
 - <http://tools.ietf.org/html/draft-paxson-tcpm-rfc2988bis-00>

Presentations – non WG items

- **Increasing the Initial CWND** **Jerry Chu (25 minutes)**
 - <http://www.ietf.org/id/draft-hkchu-tcpm-initcwnd-00.txt>
- **TCP AO NAT** **Joe Touch (5 minutes)**
 - <http://tools.ietf.org/search/draft-touch-tcp-ao-nat-01>
- **TCP AO Rekeying** **Terry (Hongyan) Wang, Duan Shili, or Yinxing Wei (15 minutes)**
 - <http://tools.ietf.org/id/draft-duan-tcpm-tcp-ao-rekeying-00.txt>

Wednesday TCPM Session

10:15 AM, Pacific A

- **Work until lunch**
- **Only one agenda item:**
 - **TCP Security Recommendations**
 - <http://tools.ietf.org/id/draft-gont-tcp-security-00.txt>
 - <http://www.ietf.org/id/draft-ietf-tcpm-tcp-security-01.txt>
- **A "working meeting" to vet a list of individual recommendations into the document**

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