TCP Maintenance and Minor Extensions (TCPM) WG

IETF 77, Anaheim
March 23, 2010
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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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WIND RIVER
WG Items Nearing RFC Publication

• **Early-Retransmit**
  – Milestone Target: Experimental in July 2009
  – Status: In RFC Editor's queue
  – Action: None in TCPM

• **ICMP Attacks**
  – 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
  – Milestone Target: Proposed Standard in April 2009
  – Status: sent to IESG
  – Action: None in TCPM; authors resolving IESG issues

• TCP Authentication Option Crypto
  – 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**
  – Milestone Target: Proposed Standard in January 2010
  – Status: updated after WGLC
  – Action: chairs (David) writing PROTO for sending to IESG

• **MSS Option**
  – 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
  – 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
  – Milestone Target: Proposed Standard in October 2010
  – Action: need WG to read/discuss
  – discussion underway of working on this as update to 3517

• 1323bis
  – 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.
  – 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
  – 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
  – Action: need WG to read/discuss
  – Presentation given, document updated, but WG list not yet polled for adoption

• AO NAT
  – 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**
  - Action: WG to discuss (Anaheim & mailing list)

- **Increasing TCP's Initial Window**
  - Action: WG to discuss (Anaheim & mailing list)

- **Computing TCP's Retransmission Timer**
  - 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
  - Status: discussed on mailing list and updated in response 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)

- **SACK-Entry Status** Markku Kojo (5 minutes)

- **Middlebox Discovery** Andrew Knutsen (25 minutes)

- **Reducing the Initial RTO** Jerry Chu (25 minutes)
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)

• TCP AO Rekeying                    Terry (Hongyan) Wang, Duan
                                      Shili, or Yinxing Wei (15 minutes)
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
• A "working meeting" to vet a list of individual recommendations into the document
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