TCP Maintenance and Minor Extensions (TCPM) WG

IETF 74, San Francisco

March 23, 2009

David Borman, Wes Eddy: Co-chairs

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Contacts & Mailing list

- **WG Chairs:**
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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**

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Document Status

- **Soft Errors - published as RFC 5461**

- **UTO - published as RFC 5482**

- **2581bis - cleared WGLC, update needed**

- **F-RTO - In RFC-Editor queue, blocking on 2581bis ref**

- **ECN-SYN - cleared WGLC, publication requested**

  - **Needs boilerplate change**

- **tcpsecure – publication being requested**

  - **Will need boilerplate change**

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Document Status (cont.)

- **ICMP Attacks - needs work**
- **Early Retransmit - needs WG feedback**
- **1323bis - progressing, update available**
- **Auth Option - progressing; nearly ready for WGLC**
- **MSS - new draft available**

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WG Charter - DONE

- **Submit FRTO draft as an Experimental RFC**

- **Submit TCP Roadmap document as a BCP RFC**

- **Submit NCR Reordering Mitigation draft as an Experimental RFC**

- **Submit overview of spoofing attacks against TCP as an Informational RFC.**

- **Submit User TimeOut option document as a Proposed Standard RFC.**

- **Submit SYN flooding document as an Informational RFC.**

- **Submit soft errors document for publication as an Informational RFC.**

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WG Charter – To Do

- Mar 2009 In-Window Attack as Proposed (tcpsecure)
- Mar 2009 ECN-SYN as Proposed
- Mar 2009 revision of RFC 2581 as Draft
- Apr 2009 TCP AO as Proposed
- Jul 2009 ICMP Attack as Informational
- Jul 2009 TCP Early-Retransmit as Experimental
- Jul 2009 Update 1323.bis as Proposed
- Jul 2009 Submit MSS text revision from 1323.bis appendix as Proposed

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Presentations – WG items

- ## Joe Touch (45 minutes)
  - "The TCP Authentication Option"
    - draft-ietf-tcpm-tcp-auth-opt-04

- ## Gregory Lebovitz (15 minutes)
  - "Cryptographic Algorithms, Use, & Implementation Requirments for TCP Authentication Option"
    - draft-lebovitz-ietf-tcpm-tcp-ao-crypto-00

- ## David Borman (20 minutes)
  - "TCP Extensions for High Performance"
    - draft-ietf-tcpm-1323bis-01
  - "TCP Options and MSS"
    - draft-ietf-tcpm-tcpmss-00

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Presentations – non WG items

- **Alexander Zimmermann (10 minutes)**
  - **"Make TCP more Robust to Long Connectivity Disruptions"**
    - **draft-zimmermann-tcp-lcd-00**

- **David Borman (10 minutes)**
  - **TCP Urgent Data**
    - **draft-gont-tcpm-urgent-data-01**

- **Yoshifumi Nishida (10 minutes)**
  - **A small issue in RFC3782**
    - **http://www.us.nishida.org/newreno**

- **Markku Kojo (time permitting)**
  - **"Using TCP Selective Acknowledgement (SACK) Information to Determine Duplicate Acknowledgements for Loss Recovery Initiation"**
    - **draft-jarvinen-tcpm-sack-recovery-entry-00.txt**

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