

MPTCP – Multipath TCP

WG Meeting

London, IETF-89, 3rd March 2014

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- Note taker
- Jabber [IMPORTANT]
- Please include “-mptcp-” in your draft names
- Please say your name at the mike

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Agenda

1. Chairs - 10 mins
2. MPTCP residual threats - Chairs on behalf of Marcelo Bagnulo - 5 mins
 - any feedback on this latest version? We plan to WGLC now.
3. 6824bis updates - Alan Ford - 10 mins
4. MPTCP Proxy for Mobile Networks - Lingli Deng - 15 mins
5. Wifi Mobility without Fast Handover (or why having MPTCP is good for the lower layers) - Costin Raiciu - 15 mins
6. The Status of MPTCP Deployment and Evaluation in the NorNet Testbed - Thomas Dreibholz - 10 mins
7. A generic control stream for Multipath TCP - Christoph Paasch - 10 mins
8. Discussion about better MPTCP security (beyond that in 6824bis) - 45 mins
 - 8A. Secure MPTCP - Marcelo Bagnulo - 20 mins
 - 8B. earlier proposal building on ssl - Christoph Paasch - 5 mins
 - 8C. Discussion - 20 mins

Milestones

- Dec 2012: Consensus on what high-level changes are needed to the current MPTCP Experimental document in order to progress it on the standards track
- Apr 2013: Implementation advice (Informational) to IESG
- Aug 2013: Use-cases and operational experiences (Informational) to IESG
- Dec 2013: MPTCP-enabled middleboxes (Informational) to IESG
- Dec 2013: MPTCP standards track protocol to IESG

Operational experiences

- The primary goal is standards track protocol doc
 - also ensure MPTCP works well in practice and that operational experiences and issues are understood
- “Prior to publishing a Standards Track specification, the working group will document experimental results and operational experiences to-date. This should consider not just experience with well-connected fat-pipe networks and long-lived flows, but also consider a broader links and types of applications; particularly looking for cases where MPTCP could be detrimental in some way.”
- Olivier.Bonaventure@uclouvain.be is coordinating this
 - Please let him know your use cases, operational experiences, papers, blogs etc

Analysis of MPTCP residual threats and possible fixes

- <http://tools.ietf.org/html/draft-ietf-mptcp-attacks-00>
- M. Bagnulo, C. Paasch, F. Gont, O. Bonaventure, C. Raiciu
- This document performs an analysis of the residual threats for MPTCP and explores possible solutions to them.
 - Ie beyond those explored in rfc6181
- Plan is to WG Last Call this now
- Please comment now if you think we shouldn't