MPTCP – MULTIPATH TCP

WG meeting
31th July 2012

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• Jabber
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Agenda

• Status Updates – Chairs (10mins)
• Updates for protocol and API doc - Alan Ford (10 mins)
• MPTCP for single-homed end systems - Rolf Winter (20 min)
• MPTCP implementation in FreeBSD - Lawrence Stewart, Nigel Williams (20 min)
• A Vegas-based Approach for MPTCP CC - Mirja Kühlewind(10 min)
• Performance Issues with MPTCP - Ramin Khalili (20 min)
WG Item Status

• MPTCP Application Interface Considerations
  (draft-ietf-mptcp-api-05)
  • Status: AD Evaluation

• TCP Extensions for Multipath Operation with Multiple Addresses
  (draft-ietf-mptcp-multiaddressed-09)
  • Status: AD Evaluation

IETF Last Call will be initiated soon
The primary goal of the WG is to create a bis version of the protocol document on the Standards track.

The WG will explore and document results with several of the proposed use cases for MPTCP.

Prior to publishing a Standards Track specification, the WG will document experimental results and operational experiences to-date.

The WG will document implementation advice.

The WG will explore whether an MPTCP-aware middlebox would be useful, where at least one end host is MPTCP-enabled.
New Milestone

- 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
- Jan 2014 - Re-charter or close
Implementation Status

• Linux
  • Kernel 3.2 based. Lots of cleanups.
  • Please check most recent status at: http://mptcp.info.ucl.ac.be/

• FreeBSD
  • We will know soon!

• Others?