

# MPTCP – Multipath TCP

WG Meeting

Honolulu, IETF-91, 14th Nov 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 min
2. MPTCP Proxy Use Case - Lingli Deng (20 mins)
3. KT's TCP Proxy experience - deployment and testing considerations - SungHoon Seo (10 mins)
4. MPTCP Proxy Analysis - Xinpeng Wei (20 mins)
5. MPTCP Proxy Implementation - Jordan Melzer (15 mins) (remote)
6. Designing and implementing efficient MPTCP Proxies and use cases – Gregory Detal (15 mins) (remote)

# Milestones

- Jan 2015: Use-cases and operational experiences (Informational) to IESG
- Jan 2015: MPTCP standards track protocol to IESG
- Apr 2015: Implementation advice (Informational) to IESG
- Apr 2015: MPTCP-enabled middleboxes (Informational) to IESG

# WG Item Status

- draft-ietf-mptcp-experience
  - Adopted as WG item last August
- draft-ietf-mptcp-rfc6824bis
  - 03 version submitted
    - Adopt subflow reset proposed by Olivier
- draft-ietf-mptcp-attack
  - Last Call finished (10/27)

# Implementation Updates

- Please let us know if you have any updates!

# Charter Item: MPTCP proxy

- Finally, the working group will explore whether an MPTCP-aware middlebox would be useful, where at least one end host is MPTCP-enabled. For example, potentially helping MPTCP's incremental deployment by allowing only one end host to be MPTCP-enabled and the middlebox acts as an MPTCP proxy for the other end host, which runs TCP; and potentially helping some mobility scenarios, where the middlebox acts as an anchor between two MPTCP-enabled hosts.
- The working group will detail what real problems an MPTCP-enabled middlebox might solve, how it would impact the Multipath TCP architecture ([RFC6182](#)), what proxy approach might be justified as compared against alternative solutions to the problems, and the likely feasibility of solving the technical and security issues.