

# MPTCP – Multipath TCP

WG Meeting  
2<sup>nd</sup> November 2015  
Yokohama, Japan

Philip Eardley  
Yoshifumi Nishida

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

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# Agenda

1. WG Status - Chairs
2. Making Multipath TCP robust for stateless webserver - Christoph Paasch
3. Reflecting on the MPTCP handshake - Christoph Paasch
4. MPTCP enduser use cases and enhancement opportunities - Chetan Harsha
5. LISA: A Linked Slow-Start Algorithm for MPTCP - Runa Barik
6. Management information base for MPTCP - Fabien Duchêne
7. MPTCP for FreeBSD update - Grenville Armitage

# 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
- ~~• Apr 2015: Implementation advice (Informational) to IESG~~

Implementation advice has been removed from the Milestones

# Charter Update

- We will remove the following paragraph from the charter

The working group will document implementation advice. The current documents have several points where an implementer may benefit from guidance, for example about heuristics such as buffer sizing, or from advice about alternative implementations such as bump-in-the-stack.

# WG Item Status

- draft-ietf-mptcp-attacks
  - Published as RFC7430
- draft-ietf-mptcp-experience
  - Added two items (stateless webserver, load balanced serverfarms)
  - Conclusion needs to be updated
  - Ready to submit to AD / IESG

# draft-ietf-mptcp-rfc6824bis

- The primary goal of the WG is to publish a bis version of core spec on the Standard Track
- Consensus from interim
  - experimental MPTCP option is 8 bits (we had earlier consensus to add the option)
  - Support both 8B and 4B DSEQ/DACK fields
- Increasing version number (from 00 to 01)
  - There was discussion and support at interim and on mailing list
  - We should discuss /confirm this now
- This provides an opportunity to re-design MPTCP's signalling
  - Making MP-CAPABLE reliable - agreed
    - Did Yoshi's discussion points get resolved?
  - new Proxy 'P' flag in MP\_CAPABLE
  - Replacing the IPver field in ADD\_ADDR with a set of flags
  - Making the MPTCP token locally meaningful?
  - The possibility of leveraging security off TLS (if TLS is being used)
  - Adding Syn cookies (discussion to follow)
- Can we last call this before the next IETF? Is there the effort to finish it?

# Implementation Updates

- FreeBSD Updates - Grenville Armitage

Please let us know if you have news!