MPTCP – Multipath TCP

WG Meeting 19th Nov 2019 Singapore

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- Note taker
- Jabber
- Please say your name at the mike
- Please include "-mptcp-" in your draft names
- Blue Sheet!

Note Well

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Definitive information is in the documents listed below and other IETF BCPs. For advice, please talk to WG chairs or ADs:

- •BCP 9 (Internet Standards Process)
- •BCP 25 (Working Group processes)
- •BCP 25 (Anti-Harassment Procedures)
- •BCP 54 (Code of Conduct)
- •BCP 78 (Copyright)
- •BCP 79 (Patents, Participation)
- •https://www.ietf.org/privacy-policy/ (Privacy Policy)

IETF-106 Agenda

- WG Status updates Chairs
- Implementation updates Christoph Paach
- Multipath TCP Extension for Robust Session Establishment Jiao Kang and Markus Amend
- Some experience of MPTCP over satellite networks Nicolas KUHN
- Multipath TCP extensions for Trust & Prediction Hewu Li, Qi Zhang

WG Status

Completing bis draft

6824bis draft is in RFCEditor Queue

Goals and Milestones

- Done Established WG consensus on the Architecture
- Done Submit to IESG architectural guidelines and security threat analysis as informational RFC(s)
- Done Submit to IESG basic coupled congestion control as an experimental RFC
 Done Consensus on what high-level changes are needed to the current MPTCP
 Experimental document in order to progress it on the standards track
- Done Use-cases and operational experiences (Informational) to IESG
- Nov 2017 Enhanced API (Informational) to IESG → no enough energy
- Mar 2018 MPTCP standards track protocol to IESG → finished
- Apr 2018 Re-charter or close

Implementation Updates

Implementation Status for iOS and Linux

- iOS 13
 - Now used for Apple Music Streaming to reduce audiostalls
 - Apple Maps Search & Directions requests handles WiFi to Cell transitions
- Linux Kernel
 - Multipath TCP upstreaming ongoing with Red Hat, Intel & Tessares