

MPTCP – Multipath TCP

WG Meeting

27th March 2019

Prague, Czech Republic

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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)

Agenda

1. Chairs – WG Status etc [5 mins]
 1. The 'request for publication' for RFC6824bis has gone to Mirja (our AD).
2. Implementation news
 1. News about open sourcing bis implementation
 2. Significant on-going efforts for mainline Linux kernel
 3. Open mike for implementation news
3. Deployment updates
 1. Deploying Hybrid Access Networks with MPTCP- Olivier Bonaventure (remote)
 2. Multi-path Transport Deployment on Smartphone Apps - Zhen Cao
4. Individual drafts
 1. Initial-Path Selection for Connection Establishment in Multipath TCP - Jianjian Zhu
 2. Generic Path-Manager Support with eBPF - Viet-Hoang Tran (remote)
 3. 5G Session Continuity Support in MPTCP - Xavier de Foy
5. Potential future topics for WG
 1. Brief summary of Monday's side meeting
 2. TAPS multipath support – Anna Brunstrom
 3. Open discussion

Summary of Monday's side meeting

- 16 people, lively discussion
- 4 main topics:
- Path manager and scheduler
 - important topic
 - Earlier discussion didn't reach consensus about RFC changes – RFC & bis just have backup bit (MP_PRIO)
 - ATSSS timeframe is this summer
 - Several possible mechanisms
 - Some flexibility in how interpret backup bit
 - There is room for new MPTCP suboption types
 - Could define probe for probing quality of multiple paths
 - Could define info exchange (eg 'restrict flow x to 10Mbps')
 - Could simply document (define?) existing /improved path managers
 - Could simply document (define?) existing /improved schedulers (at high level – fine detail is beyond IETF?)
 - It is hard to get the wordsmithing accurate for more than 2 paths – leave as an exercise for reader?
 - Suggest discussion about scenarios /requirements, before designing mechanism
- API
 - TAPS multipath support – Anna Brunstrom
- Update of MPTCP experiences?
- Robust establishment
 - Some think useful, but some concern about limited space in SYN, scalability, working with middleboxes
 - Markus Amend: I-D for Montreal – park discussion until then
- Open discussion