Multipath TCP Robust Session Establishment (RobE) Request for WG Adoption

draft-amend-tcpm-mptcp-robe-00

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Definition for Robust Session Establishment

1. MPTCP RobE [draft-amend-tcpm-mptcp-robe-00]* is a set of extensions to regular MPTCP [RFC6824] and MPTCP v1 [RFC8684]. It is designed to provide a more Robust Establishment (RobE) of MPTCP sessions.

2. RobE includes RobE_TIMER, RobE_SIM, RobE_eSIM and RobE_IPS. It also presents the design and protocol procedure for the combination scenario in addition to these stand-alone solutions, i.e. the combination of RobE_SIM and RobE_IPS, the combination of RobE_TIMER and RobE_IPS.

*originating from MPTCP WG. History at https://datatracker.ietf.org/doc/draft-amend-mptcp-robe/
Status Recap (draft/prototype)

• draft-amend-mptcp-robe-00 was submitted and presented in ietf-106

• “Evaluate MPTCP RobE at IETF107 hackathon” has been published (but ietf-107 hackathon was cancelled in COVID-19 times)
  https://trac.ietf.org/trac/ietf/meeting/wiki/107hackathon/mptcp-robe/testbed
  https://github.com/multipath-tcp/mptcp

• draft-amend-tcpm-mptcp-robe-00 was submitted and implementation demo was presented in ietf-108
Status updates per discussion since IETF 108

• IPR Disclosures Concern → Updated IPR Disclosures with license
  • https://datatracker.ietf.org/ipr/4312/
  • https://datatracker.ietf.org/ipr/4423/

• More MPTCP experts to join
  • Already have running code, demos and show cases;
  • Comments always welcome
  • Come and join us!
Next Steps

• WG Adoption?
  • This could be take place in parallel with the current call for reviews by the authors
    https://mailarchive.ietf.org/arch/msg/tcpm/syJgImuKrMI-ljUdTKphoSyME0Y/
    So far no objections received

• Next iteration of the draft document planned for IETF 110