TCP Extended Data Offset Option

draft-ietf-tcpm-tcp-edo-07

IETF 98 - Chicago

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Status

- 06 update issued Jan 2017
  - No update
- Driving need
  - MPTCP, though they also need space in SYN
    - EDO-SYN approach is highly experimental and unlikely to transit many middleboxes
- Issues to be resolved
  - Implementation
    - USC/ISI project on hold (awaiting new student)
    - Resources/collaboration would be cheerfully appreciated
  - Offload interaction
    - Correct behavior understood, earlier observed behavior inconsistent; awaiting implementation for further diagnosis
  - Tests for legacy fallback
    - Includes "length" variant to detect middlebox merging as weak-test
    - Strong test for blind echo consumes too much space to be viable
- Implementation progress
  - USC/ISI student project on hold (awaiting new student)