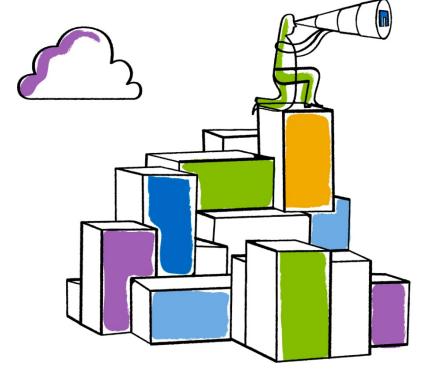


TCP Timestamps revisited

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tools.ietf.org/html/draft-scheffenegger-tcpm-timestamp-negotiation-05 tools.ietf.org/html/draft-trammell-tcpm-timestamp-interval-01

Motivation

- TS option seen as high-overhead
- 1323bis discussions indicated interest in changing TS option semantics to allow
 - "Late" TS option activation
 - Synergy with SACK option
- Enabling additional capabilities
 - TS interval exposure
 - Multiple event detection in window
 - lost retransmissions (and recovery)
 - false retransmissions
 - Improving TS option security

tcpm-timestamp-negotiation-05

- Semantic change of TS w/ SACK
- State machine and negotiation needs rework

tcpm-timestamp-interval-01

- Exposing timestamp clock interval
 - Experimental Option (using RFC6994)
 - Refined encoding and guidance

Next steps

- Support to adopt this work as WG item(s)?
- Comments

Thank you

