



TCB Control Block Sharing: 2140bis

draft-touch-tcpm-2140bis-01
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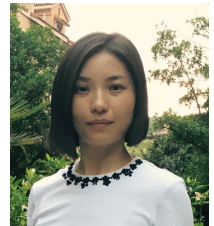


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Changes from -00

- Changes

- Added TCP option state
 - TFO state – TCP Fast Open Cookie or a negative Fast Open Response in case of failure
- More discussion of problems related to sharing
- Relevant references related to ssthresh and RTT sharing issues added
- Current implementation status for TCB sharing now includes Windows (Thanks Praveen) and TFO
- Moved T/TCP text to the appendix

Deployment summary

TCB data	Status
old_MSS	Cached and shared in Linux
old_RTT	Cached and shared in FreeBSD
old_RTTvar	Cached and shared in FreeBSD
old PMTU	Cached and shared in FreeBSD and Windows
old TFOinfo	Cached and shared in Linux and Windows
old_snd_cwnd	Not shared
old_ssthresh	Cached and shared in FreeBSD and Linux

WG work after adoption

- Proposed algs update
 - TCP control block variables
 - Details for specific TCP options
- Use case recommendations (only if BCP)
 - Recommended do's and don'ts for deployment

Issues for WG

- Request for TCPM WG adoption
 - WG informational (2140 was informational)
 - WG BCP (to support recommendations – see below)
- Details resolved in the WG after adoption
 - Extended use case discussion
 - Safer TCP control block info sharing equations
 - Safe sharing related to specific options
 - Recommendation “do’s and don’ts” (if BCP)