Overview and History

• peers exchange local, per-connection user timeouts through advisory TCP option and adapt local user timeout accordingly

• motivation
  • longer UTO: tolerate longer disconnections
  • shorter UTO: less TCP state at busy servers

• TCP mod, not policy for picking user timeouts
• adopted as WG item in Washington, DC
Changes in -01

- corrected description of RFC793 and RFC1122 user timeout mechanism
- add “don’t care” UTO value
- simplifications
  - no distinction between operating during 3WHS and later
  - can use UTO even if not negotiated during 3WHS
- UTO exchange is always unreliable
Things Pending for -02

- originally, only app controlled the UTO
- current mechanism treats app and peer requests to change the UTO identical
- changes semantics: peer can override the app! probably not what we want to allow
- proposal: only process peer requests as long as the app has not set the local UTO
- addition: after the app has, signal incoming peer UTOs to the app