Datagram PLPMTUD for UDP Options

draft-fairhurst-tsvwg-udp-options-dplpmtud-03

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DPLPMTUD for UDP Options

• Confirmation of Connectivity across a Path
• Sending UDP-Options Probe Packets
• Validating the Path with UDP Options
• PTB Message Handling for this Method

• Intended as a template for other drafts that need to describe how to support DPLPMTUD

• 7 pages + appendices
Changes since
draft-fairhurst-tsvwg-udp-options-dplpmtud-02

- Updated to represent published RFC8899
- Rewrote text on:
  - sending method
  - probe construction
  - path validation
  - ICMP and security considerations
Implementations

• We have two implementations of UDP Options that integrated DPLPMTUD

• Scapy based tooling and test suite:
  • https://github.com/uoaerg/udpoptions-tools

• FreeBSD Kernel Implementation
  • https://github.com/adventureloop/freebsd/tree/thj/udpoptions-dplpmtud

• contact us if interested, or you have/plan an implementation!
Next Steps - Adoption?

DPLPMTUD has been published as RFC8899

udp-options-dplpmtud seems mature (to us)

Will TSVWG adopt the current topic? (e.g. for publication as a PS?)