UDP Options Implementation Status

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Implementations

- We (UoA) have two implementations of UDP Options
  - Scapy based tooling and a test suite:
    - https://github.com/uoaerg/udpoptions-tools
  - FreeBSD Kernel Implementation
    - https://github.com/adventureloop/freebsd/tree/thj/udpoptions-dplpmtud
Implementation Status

- Our FreeBSD code implements draft -09 with DPLPMTUD extension
  - simple socket API to enable support and behaviour
  - scapy/test suite is in sync with kernel (one tests the other)

- Both Implementations need updated to latest draft
  - Applications and users are needed to land in FreeBSD
Implementation Status

- Not implemented
  - The drafts UDP API extension (didn't exist when we started)
  - Extended options format
  - FRAG*
  - ACS*
  - MRSS*
  - UNSAFE*
  - AUTH
  - ENCR (UNSAFE sub options at all)
Do you have an application for UDP Options?