

# 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?**