

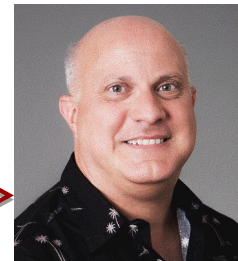


Transport Options for UDP

draft-ietf-tsvwg-udp-options-03

IETF 96 – Berlin

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Overview

- Option space for UDP
 - Uses difference between IP and UDP lengths
 - Does NOT deliver “out of band” trailer to app.
 - Compatible with legacy (so far)
 - Uses Option Checksum (OCS) for “safety”
- Useful for
 - Out-of-band fate-shared signaling
 - Soft-state optimizations
 - Optional optimizations
 - Emerging UDP extensions (GUE, TAPS, etc.)

Status

- Update -03 June 2016
 - Clarified space available for UDP/IPv6
- Implementation
 - FreeBSD and Linux underway this summer
- WG action
 - Request to consider as WG item
 - Experimental or standards-track?

Difference from UDP-Lite (backup slide)

	UDP Lite	UDP Options
Transport protocol	136 (new)	17 (same as UDP)
Data to legacy recvr?	N.A.	Yes, up to UDPlen
Checksum coverage	Up to UDPlen	Up to UDPlen
Data after UDPlen?	Send to application	Hide from app layer