

R1

R2

udp_lite_v6.pcapng

IPv6 UDP Probe

Next Header	UDP (17)
Hop Limit	64

Frame 1 |
2021-09-20T20:49:42.459239Z

UDP-Lite Full Coverage

Next Header	UDPLite (136)
Checksum	0xf641 [unverified]
Payload	28 bytes

Full coverage: checksum protects entire datagram, equivalent to standard UDP

UDP-Lite Header Only

Next Header	UDPLite (136)
Checksum	0x57a9 [unverified]
Payload	28 bytes

Header only: minimum 8-byte coverage, payload bit errors tolerated (ideal for VoIP/video)

UDP-Lite Partial (20 bytes)

Next Header	UDPLite (136)
Checksum	0x0949 [unverified]
Payload	28 bytes

Partial coverage: header + first bytes checksummed, remaining payload may have bit errors

UDP-Lite Partial (36 bytes)

Next Header	UDPLite (136)
Checksum	0xf61d [unverified]
Payload	28 bytes

Partial coverage: header + first bytes checksummed, remaining payload may have bit errors

UDP-Lite Partial (36 bytes)

Next Header	UDPLite (136)
Checksum	0xffff [unverified]
Payload	28 bytes

Partial coverage: header + first bytes checksummed, remaining payload may have bit errors

UDP-Lite Bogus Coverage (37 bytes)

Next Header	UDPLite (136)
Checksum	0xffff [unverified]
Payload	28 bytes

Bogus coverage: value exceeds datagram length, receiver should discard this packet