

ldpv6_init_noauth.pcapng

LDP Hello Message

ID	LSR ID	1.1.1.1
🕒	Hold Time	15
🎯	Type	Hello
IPv6 🌐	Transport Address	fc00::1

LDP Hello Message

ID	LSR ID	1.1.1.1
🕒	Hold Time	15
🎯	Type	Hello
IPv6 🌐	Transport Address	fc00::1

LDP Hello Message

ID	LSR ID	1.1.1.1
🕒	Hold Time	15
🎯	Type	Hello
IPv6 🌐	Transport Address	fc00::1

LDP Hello Message

ID	LSR ID	2.2.2.2
🕒	Hold Time	15
🎯	Type	Hello
IPv6 🌐	Transport Address	fc00::2

LDP Hello Message

ID	LSR ID	1.1.1.1
🕒	Hold Time	15
🎯	Type	Hello
IPv6 🌐	Transport Address	fc00::1

LDP Hello Message

ID	LSR ID	2.2.2.2
🕒	Hold Time	15
🎯	Type	Hello
IPv6 🌐	Transport Address	fc00::2

💡 LDP Hello – periodic UDP multicast (224.0.0.2) for neighbor discovery; discovered LSRs then open a TCP session to exchange labels and session parameters

💡 LDP Hello – periodic UDP multicast (224.0.0.2) for neighbor discovery; discovered LSRs then open a TCP session to exchange labels and session parameters

💡 LDP Hello – periodic UDP multicast (224.0.0.2) for neighbor discovery; discovered LSRs then open a TCP session to exchange labels and session parameters

💡 LDP Hello – periodic UDP multicast (224.0.0.2) for neighbor discovery; discovered LSRs then open a TCP session to exchange labels and session parameters

💡 LDP Hello – periodic UDP multicast (224.0.0.2) for neighbor discovery; discovered LSRs then open a TCP session to exchange labels and session parameters

💡 LDP Hello – periodic UDP multicast (224.0.0.2) for neighbor discovery; discovered LSRs then open a TCP session to exchange labels and session parameters

⚠️ LDP Notification Message

ID	LSR ID	1.1.1.1
ID	LSR ID	1.1.1.1
📄	Status	Hold Timer Expired (0x9)

Frame 7 | 2020-08-10T20:30:24.65743Z

⚠️ LDP Notification Message

📄	Status	Shutdown (0xA)
---	--------	----------------

🤝 LDP Initialization Message

ID	LSR ID	2.2.2.2
----	--------	---------

💡 LDP Initialization – negotiates session parameters (keepalive timer, label advertisement mode: DU vs DoD, path vector limit); both LSRs must agree or session is torn down with a Notification

🤝 LDP Initialization Message

ID	LSR ID	1.1.1.1
----	--------	---------

💡 LDP Initialization – negotiates session parameters (keepalive timer, label advertisement mode: DU vs DoD, path vector limit); both LSRs must agree or session is torn down with a Notification

🔄 LDP Keep Alive Message

ID	LSR ID	2.2.2.2
----	--------	---------

Frame 10 | 2020-08-10T20:30:27.679144Z

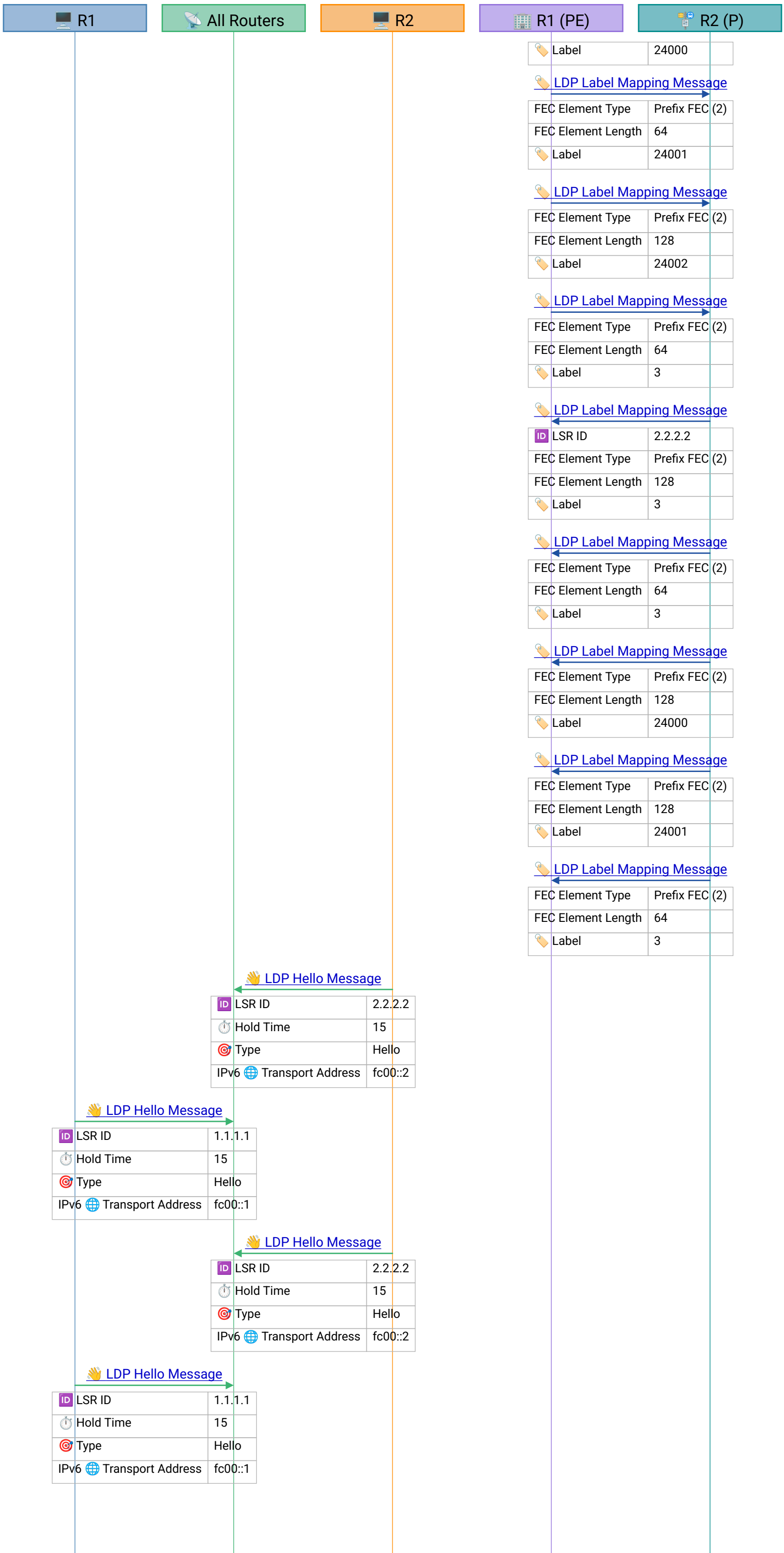
🏷️ LDP Label Mapping Message

ID	LSR ID	1.1.1.1
🏷️	FEC Element Type	Prefix FEC (2)
🏷️	FEC Element Length	128
🏷️	Label	3

💡 LDP Label Mapping – advertises a local label binding for a FEC (prefix) to the peer; downstream LSR assigns labels and propagates upstream to build the LSP hop by hop

🏷️ LDP Label Mapping Message

🏷️	FEC Element Type	Prefix FEC (2)
🏷️	FEC Element Length	128



💡 LDP Label Mapping – advertises a local label binding for a FEC (prefix) to the peer; downstream LSR assigns labels and propagates upstream to build the LSP hop by hop

💡 LDP Hello – periodic UDP multicast (224.0.0.2) for neighbor discovery; discovered LSRs then open a TCP session to exchange labels and session parameters

💡 LDP Hello – periodic UDP multicast (224.0.0.2) for neighbor discovery; discovered LSRs then open a TCP session to exchange labels and session parameters

💡 LDP Hello – periodic UDP multicast (224.0.0.2) for neighbor discovery; discovered LSRs then open a TCP session to exchange labels and session parameters

💡 LDP Hello – periodic UDP multicast (224.0.0.2) for neighbor discovery; discovered LSRs then open a TCP session to exchange labels and session parameters