



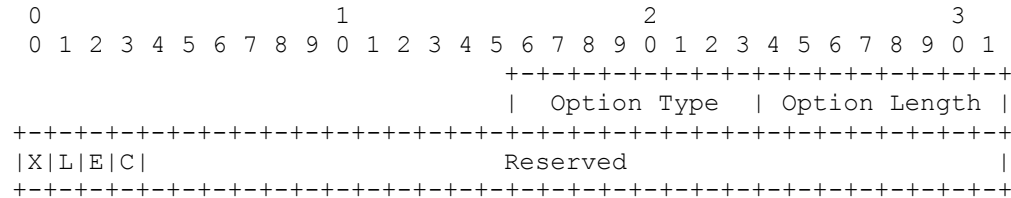
Conex IPv6 Destination Option

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The mechanism

- › The conex wg decided that using destination options was the best way forward
- › The conex-unaware nodes will not inspect the destination options header.
- › The conex-aware nodes on path that inspect these options are not exactly standards compliant
 - RFC2460 does not use RFC2119 wording and hence it is hard to say one way or another

Option format



Option Type

8-bit identifier of the type of option. The option identifier for the conex destination option will be allocated by the IANA.

Option Length

8-bit unsigned integer. The length of the option (excluding the Option Type and Option Length fields). This field MUST be set to the value 4.

X Bit

When this bit is set, the transport sender is using ConEx with this packet. If it is reset, the sender is not using ConEx.

L Bit

When this bit is set, the transport sender has experienced a loss. If it is reset, the sender has not experienced a loss.

E Bit

When this bit is set, the transport sender has experienced ECN-signaled congestion. If it is reset, the sender has not experienced ECN-signaled congestion.

C Bit

When this bit is set, the transport sender is building up congestion credit. Otherwise it is not.

Open issue

- › We have a lot of free bits (28 to be exact) left 😊
- › What do we do with those?
 - Leave them empty?
 - Use them for some other conex related purpose?
 - › If so, what?
 - › One suggestion was to not have the destination option in each packet but carry aggregate metrics every few packets

Next steps

- › The authors request wg adoption of the draft
- › The 6man wg needs to review the option prior to progressing the draft to the IESG



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