

Configuring CGA using DHCPv6

draft-ietf-dhc-cga-config

IETF 85 DHC WG

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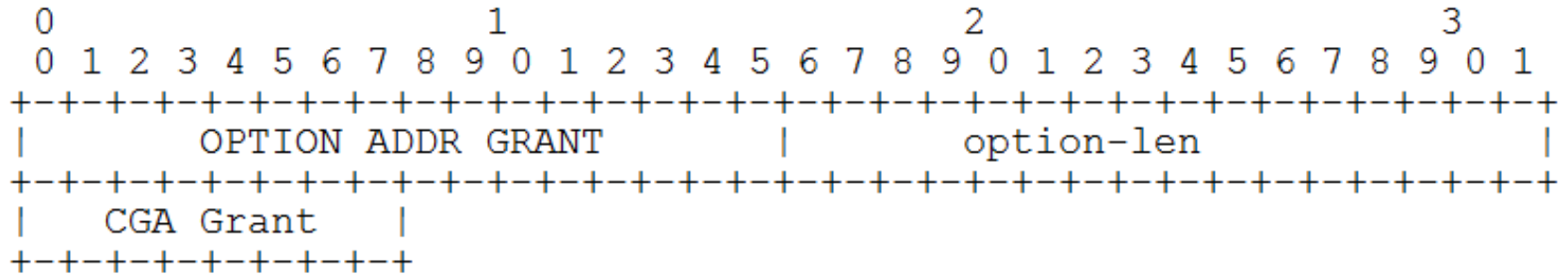
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Reminder: CGA Configure Process Using DHCPv6

- **Analyze the CGA-relevant parameters from network configuration and management perspective**
 - Among many CGA-relevant parameters, only Sec value has NO suitable mechanism to be configured by network admin
- **DHCPv6 server approves or rejects the usage of CGAs**
 - Hosts send Option Request option, which requests the CGA Grant Option (new DHCPv6 option defined in this document)
 - CGAs are carried in the IA Address Options
 - Server replies a CGA Grant Option, indicating the state of CGA granting
 - Upon reception of the ack, hosts use approved CGA or generate new one

Integrated CGA Grant Option



- Only indicate the recommended CGA Sec when request CGA is refused
- F0x: the requested CGA is granted
- 00x: the requested CGA is declined without any recommended Sec value
- 01x~07x: requested CGA is declined and the recommended Sec value (value from 1~7)
- even a generic address registration mechanism was defined, the CGA-specific option, CGA Grant Option, is still needed so that DHCPv6 server can indicate hosts the recommended CGA Sec value

This document is ready for WGLC

Comments are welcomed!

Thank You!