Registering Self-generated IPv6 Addresses using DHCPv6

draft-ietf-dhc-addr-notification-00

W. Kumari, S. Krishnan, R. Asati, S. Jiang, L. Colitti, J. Linkova

IETF117, San Francisco, Jul 2023
Changes Since IETF116
Reply Message

- Renaming to ADDR-REG-REPLY
- To be consistent with ADDR-REG-INFORM
- Not optional (the server SHOULD respond)
- The client MUST stop retransmission
Clarified Transaction ID Usage

- Mandatory field
- The same transaction-id for retransmits
- New ID for refresh messages

Is it useful? Do we need some text explicitly stating that the server MAY (MUST? SHOULD?) ignore logging duplicate messages?
Retransmission mechanism

Changed to the standard mechanism (RFC8415, section 15)
Cosmetic Changes

- Consistent use “client” instead of “end-host”, “device”
- Text cleanup (removing duplicate sections etc)
To Be Added: Additional Benefit

If the address is not "appropriate to the link" the server: MUST drop the message, and SHOULD log this fact.

Allow to monitor for rogue RAs: as devices would register addresses not appropriate for the link.
Next Steps

- More comments, suggestions?
- Ready for Working Group Last Call?