DHCPv6 Echo Request Option

IETF-66

draft-szeng-dhc-dhcpv6-ero-01.txt

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ERO – Problem Statement

- How does a DHCPv6 server know which options from a relayed message (Relay-Forw) to echo to relay in Relay-Reply?

- RFCs for options may require this

  - RFC 3315 requires Interface-ID Option to be echoed to relay

  - Remote-ID (`draft-ietf-dhc-dhcpv6-remoteid-01.txt`) /Subscriber-ID (`RFC 4580`) do NOT

- But not elegant as it is all or nothing

ERO - Solution

- New option that allows relay to indicate those options it desires echoed
- Similar to ORO – but controls whether option is echoed
- For each option in ERO
  - If already in Relay-Reply, do nothing
  - If in Relay-Forw, copy "as is" to Relay-Reply
  - Otherwise, ignore it

Draft / Next Steps

- Draft is draft-szeng-dhc-dhcpv6-ero-01.txt
- Comments
- Accept as Working Group item?
- [Ready for WG Last-Call?]