

Bulk Leasequery for DHCPv4

draft-kinnear-dhc-dhcpv4-bulk-leasequery-01.txt

Combined Draft

- Combined existing DHCPv4 Bulk Leasequery drafts from IETF 72:
 - draft-kinnear-dhc-dhcpv4-bulk-leasequery-00.txt
 - draft-dtv-dhc-dhcpv4-bulk-leasequery-00.txt
- Considerable work negotiating a converged draft, all of it on the DHC WG mailing list.
- Several review cycles completed among joint authors.
- While not “mature”, neither is it first draft.

Motivation for Bulk Leasequery

- Information Acquisition before Data Starts
- Lessen Negative Caching
- Antispoofing in 'Fast Path'
- Minimize Data Transmission

How does it work?

- Existing DHCPv4 Leasequery (RFC4388) style query and responses
- Multiple responses to single query
- Uses TCP and frames existing messages
- Several new query types
 - relay-agent relay-id
 - relay-agent remote-id
 - start and end time
- Adds additional information necessary to properly interpret data

Next Steps

- Accept as DHC WG Work Item
- Publish new draft based on feedback from this meeting