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-dhcipv4-bulk-leasequery-00.txt
  - draft-dtv-dhc-dhcipv4-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