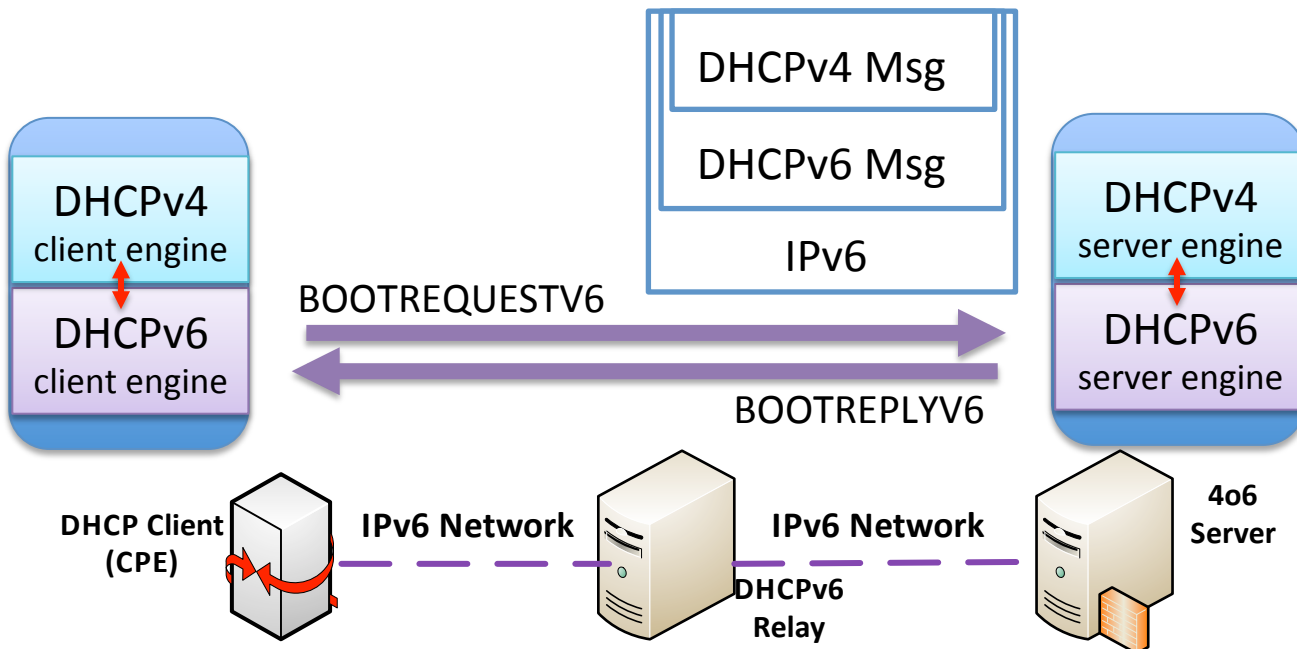


Protocol Summary

- Put DHCPv4 and DHCPv6 engines together, on both Server and Client sides
- Two new DHCPv6 msgs for conveying DHCPv4 msgs
- Support both IPv6 multicast and unicast

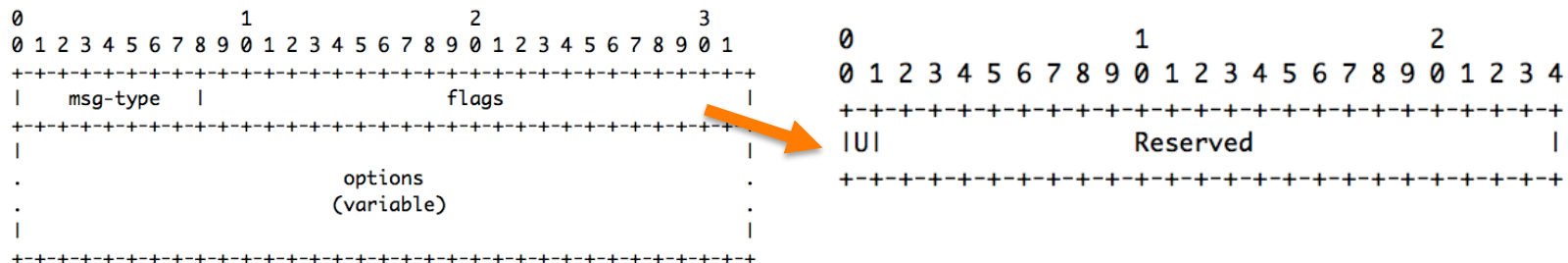


Comments during/after Berlin Meeting

- Broadcast / unicast information loss – Bernie, Tomek
 - Background: DHCPv4 Server may distinguish the client's state by checking the dest addr type of a pkt
 - REBIND -> DHCPREQUEST in broadcast
 - RENEW -> DHCPREQUEST in unicast
 - Background: RFC5010 defines Relay Agent Flags Sub-option to convey the info if a DHCPv4 relay presents
 - Problem: Loss information in DHCPv4 over DHCPv6
 - Only DHCPv4 msgs are encapsulated without IPv4 header
 - Outer IPv6 header has no relationship with the information

Update (Solution)

- Def: Flags Field in Boot-request-v6 & Boot-reply-v6 msg
 - This field in Boot-reply-v6 message is reserved
- Def: Unicast Flag in Boot-request-v6 message
 - Indicates unicast or broadcast of the original DHCPv4 msgs if in IPv4
 - 1 -> unicast, 0 -> broadcast
 - Client needs to set this flag when sending the messages
- Thanks to Bernie and Tomek for their suggestions



Updates (Cont')

- Outcome of Language session in Berlin
 - Improve the Abstract
 - Describe the scenario
 - Briefly summarize the mechanism
 - Some rewording
- Editorial changes

Comments received recently

- Use with stateless DHCPv6
 - => Include Enable option and 4o6 Server Address option in every client's requests (ORO) and server's responses
- DHCPv4 over DHCPv6 service revoke
 - => 4o6 DHCP client requests the two options in every client messages in ORO
 - => If no Enable option, disable the DHCPv4 over DHCPv6 service
 - => Information refresh time option (RFC4242)
- Editorial suggestions

Next Step

- -02 version posted
 - No concrete changes to the current draft
 - Will update based on the comments
- => Ready for WGLC

Backup

- Transaction-id in DHCPv4 message is the 'right' xid to use rather than DHCPv6 Transaction-id
 - No DHCPv6 Transaction-id field in new msgs