

DHCP Relay Agent Configuration Option

draft-asati-dhc-relay-agent-config-00

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Agenda

- Motivation
- Solution
- Next step

Motivation

- ‘Relay Agent’ auto configuration

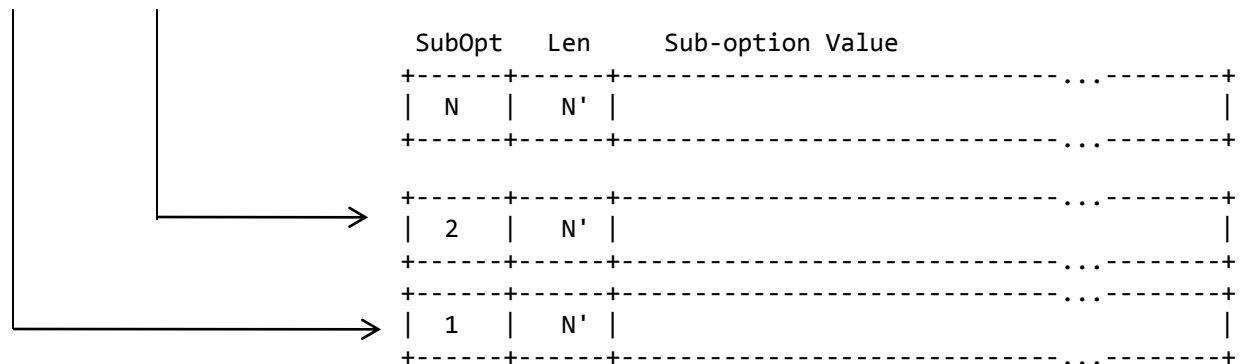
Use Cases:

- Zero-touch Service Activation
 - IP, IP/VPN etc.
- Automatic Relay-Agent configuration change

Solution

- **New DHCP Option**
 - Relay Agent Configuration Option
 - Includes sub-options

Code	Len	Agent Configuration Field					
TBD	N	c1	c2	c3	c4	...	cN



Solution

Relay Agent Procedures

- Relay Agent **appends the 'relay agent configuration' option** in the relayed DHCP message
 - Included Sub-options request various relay agent configuration information from the server
- Relay agent **removes 'relay agent configuration' option** from the DHCP response
 - Not visible to DHCP clients

Please note...

- This new option does not replace the 'relay agent' option
 - In fact, it is complementary

- This is not

Next Steps

- Request WG review & feedback
- Update the document
 - Sub-options
 - IPv6 details
- Is this useful?
 - If yes, then let's explore WG adoption