Client Identifier Option in DHCP Server Replies
(draft-ietf-dhc-client-id-02)

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Problem Statement/Motivation

- [RFC2131] specifies that a combination of 'client identifier' or 'chaddr' and assigned network address constitute a unique identifier for the client's lease and are used by both the client and server to identify a lease referred in any DHCP messages.

- [RFC2131] also specifies that the server "MUST NOT" return 'client identifier' in DHCPOFFER and DHCPACK messages. DHCP relay agents and servers, following these recommendations MAY drop the DHCP packets in the absence of both 'client identifier' and 'chaddr'.

- In some cases, client may not be having a valid hardware address value to be filled in 'chaddr' field of the packet and hence may set this field as zero.
Solution Characteristics

- If the 'client identifier' option is set in a message received from a client, the server **MUST** return the 'client identifier' option, unaltered, in its response message.
Next Steps

- This is already a WG draft and has been discussed in past in WG.
- WG members and other stake holders have expressed interest in solution.
- Authors requests WGLC for draft-ietf-dhc-client-id-02?