Forcerenew Nonce Authentication

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Problem Statement

- Forcerenew is used to set the DHCP client to the RENEW state and change host parameters
- Current forcerenew (RFC 3203) requires token authentication from DHCP server to client
- The authentication scheme specified in RFC 3118 uses shared secrets distributed out-of-band – not always practical to deploy in advance
Proposal

- This draft defines a new scheme which uses of Forcerenew Key Authentication to exchange a key between Server and client during initial DHCP exchange.
- The key is used by the client to validate a server forcerenew message.
- Mirrors the functionality in DHCPv6 (RFC 3315) – equivalent to the Reconfigure Key Authentication protocol.
History

- Initial version presented in Dublin IETF-72
- Individual draft accepted as WG item in San Francisco IETF-74 (March 2009)
- Version -00 submitted in June 2009
- Version -00 declared by the chairs ready for WG last call during IETF-76 (November 2009)
- A follow up discussion happened on the list in February 2010
Main changes in - 01

- Clarified the scenario of applicability in the introduction:
  - This mechanism is intended to be used in Broadband Access Networks described in TR-101 document of the Broadband Forum
Next Step

- The authors believe the document is ready for WG Last Call
Questions?

Thanks!