

Prefix Assignment in DHCPv6

draft-ietf-dhc-host-gen-id

IETF 85 DHC WG

November 08, 2012

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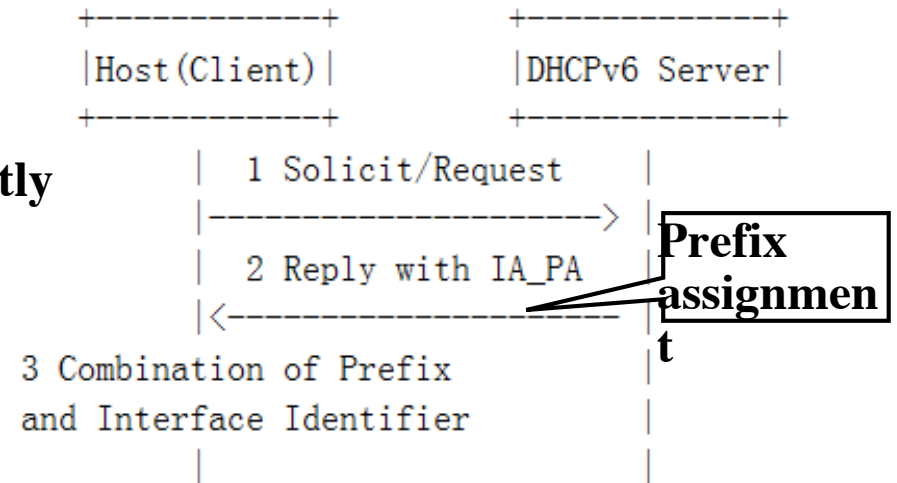
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Reminder

- This document introduces a new DHCPv6 procedure to configure hosts' IPv6 addresses. In this new procedure, the prefix is assigned from a DHCPv6 server through DHCPv6 protocol while the interface identifiers are independently generated by the hosts



- **New Identity Association for Prefix Assignment Option (IA_PA).** The format has been deliberately designed to be the same with IA_PD option [RFC3633]
- The IA_PD Prefix and IA Address sub-options from IA_PD option are also reused. However, the two options are different on the semantics and usage models

Update since WGLC

- **WGLC from Aug. 13 to Aug. 27 on draft-ietf-dhc-host-gen-id-02**
 - 5 supports for advancing our document, technical comments from Bing Liu, Gaurav Halwasia, Andre Kostur, and objection from Bernie Volz
- **03 version is submitted Aug. 21, major different:**
 - Refine the description of motivation
 - The client needs to include an IA_PA with IAID specified. There is no prefix announcement/advertise model
 - Add procedures after prefix-associated times expire
 - Clarify the return status code when no proper prefix - NoPrefixAvail

Update since WGLC (2)

- **04 version is submitted Aug. 30, major different:**
 - Move Applicability section earlier in the draft to help clear the motivation & scenarios
 - Remove announce/advertise model
 - Host request include an IA_PA with IAID (ORO is not enough)
 - Add consideration for the scenario that an IA_PA capable client connects to a non IA_PA capable DHCPv6 server
 - Add description why L flag and A flag, comparing to RA, is not needed
 - Add a note for PD_EXCLUDE option
- **Authors believe that all received comments have been properly addressed**

- **Questions, clarifications?**
- **Next step?**