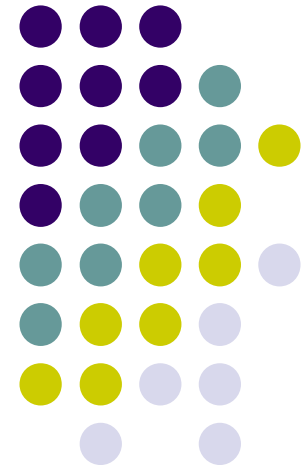# Dual-stack clients and merging of data from DHCPv4 and DHCPv6

draft-ietf-dhc-dual-stack-merge-01.txt

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Dual-stack hosts and DHCP

- Looking for solutions of draft-ietf-dhc-dual-stack-04
- How can dual-stack hosts use DHCP to obtain desired configuration
  - Might want mix of IPv4 and IPv6 settings
    - Run both DHCPv4 and DHCPv6?
- IPv4-only clients use DHCPv4
- IPv6-only clients use DHCPv6
- All of these clients should get the desired config
  - The IPv4 configuration for dual-stack host may differ from IPv4 configuration for IPv4-only host
  - Similarly for IPv6

Status and Future

- Only text/language improvements since last meeting
- The authors want to focus on dual-stack hosts and IPv4 and IPv6 DHCP configuration in the single-homed case
  - I.e. The same administration for both IP protocols
- We believe this simplifies the problem and might offer some solutions that are not possible in the multi-homed case
- Does WG agree with this focus?
  - This does not necessarily mean that solutions may not be of use in multi-homed scenarios
- We are not sure how to proceed
  - We need operational experience and input from wg
  - We expect that both the authors and others in the wg will get more experience now that DHCPv6 implementations are becoming more generally available