DHCPv6 Option Guidelines

IETF84

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History

- Work by David Hankins, ISC (individual, -00 to -07 WG)
- Drafts expired
- Revival team formed after Paris meeting:
    - Sheng, Suresh, Tomek and Marcin

Overview and Purpose

- Guide existing and prospective DHCP option authors
- Both DHC and other groups
- Used to be v4 and v6, now v6 only

Content

- General principles

    - More than just on-wire formats

- Reusing existing option formats

- Avoid conditional formatting/aliasing

- Suboptions

- Additional state considered harmful

- Dynamism in DHCP

- Includes list of common already defined v6 options

Changes in -08

- Removed v4 content
- Removed outdated references to ISC DHCP
- Added list of existing options
- Added discussion about multiple provisioning domains
- Added security considerations
- Added discussion about D in DHCP (is it really dynamic?)
- Added discussion about statelessness

Planned changes for -09

- Document additional options
  - Empty option, variable prefix format
- Fix many smaller things
  - See comments in XML
- Address any feedback we get

Next steps (now)

- Asking for comments

Next steps (past -09 publication)

- Ask for WGLC?
- Keep as a permanent work-in-progress?

Thank you