DHCPv6 Option Guidelines

IETF84

draft-ietf-dhc-option-guidelines-08

David Hankins, Google
Sheng Jiang, Huawei
Suresh Krishnan, Ericsson
Tomasz Mrugalski, ISC
Marcin Siodelski, ISC

2012-07-30
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- Removed outdated references to ISC DHCP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