IETF 91: Honolulu
draft-ietf-v6ops-design-choices-03

V6ops Monday November 10, 2014

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Progress

- Two versions as individual-contributor draft
- First WG draft, version -00 / February 14, 2013
  - Added Victor as co-author
- Version -01 / March 6, 2014
  - Added IGP Choices, other updates
- Version -02 / Sept 4, 2014
  - Updates based on list feedback, significant update to IGP text and large update to BGP text
- Version -03 / Sept 18, 2014
  - Current version; minor updates based on list feedback

Status - 1

- Current draft covers
  - Link Configuration (IPv4/6 addresses, Link-Local vs. GUA)
  - Static Routes / Default Routes
  - IGP Choices
  - BGP Configuration (interior and exterior routing)
    - Includes discussion of VPN

Status - 2

- IGP Discussion
  - Discussion focused on IS-IS and OSPF
  - Provide table to enumerate options between OSPFv2, OSPFv3 and IS-IS
  - Evaluate against:
    - Known to work well,
    - Hard separation (v6 vs. v4),
    - Potentially similar configuration
  - Discussion of criteria areas provided

Status - 3

- BGP Discussion
  - Provide table on options inside network around: route family (SAFI), transport (session over v4/v6), and comments
    - Works Well, Next-Hop Issues, issues until MPLS over IPv6 is made available
  - Followed by discussion on sessions for unlabeled routes, Labeled/VPN routes and eBGP endpoints

Status - 4

- General Discussion
  - Use of Link-Local Addresses

  - Separation of IPv4 and IPv6

  - This was done since these are two very important design items which operators and design often wrestle with during initial design formation

Status - 5

- Lots of other topics that could potentially be added. However, authors feel this draft should be kept narrowly-scoped and completed quickly.
  - Future documents can address other areas

- Seeking additional comments on draft.

- Would like to move quickly to WGLC.

Discussion?

- WGLC?