CGN Deployment with BGP/MPLS IP VPNs

draft-ietf-opsawg-lsn-deployment-02

IETF86 Orlando

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Status

• Updated from -01 to -02
  • Four Reviews with comments/updates
    • Tina TSOU, Tom Taylor, Chris Donley and Chris Linjenstolpe
  • Removed references in abstract

• Likely update to -03 to clean up any last text or address incremental comments
Changes/updates

- Text updates
  - Cleaned up test in Introduction, Motivation and deployment requirements sections (refer to diff)
  - Assessed requirements updated to “MAY” vs. “SHOULD”

- Section 3.1
  - Replacement of “may” vs “will” referring to demand growth of CGN in discussion of centralized vs. decentralized deployments

- Section 3.2
  - IPv4 Addresses vs. IPs (correction) + other small correction

- Section 3.3
  - Small updates on text
Changes/updates

- Section 3.4
  - Added reference to RFC6598 (shared IPv4 addresses)

- Section 3.5
  - Added reference to RFC6264
  - Added text/references to support future transition models for DS-Lite (RFC6333) and NAT64 (RFC6146)

- Section 3.7
  - Added text on considerations for reduced logging options with reference to draft-donley-behave-deterministic-cgn

- Section 4
  - Added text to describe VRF (Virtual Routing and Forwarding)
  - Added text to describe RD/RT (Route Distinguisher / Route Target)
  - Added text to describe LSP (Label-switched path)
  - Fixed figure 1, LSN -> CGN (consistent)
Changes/updates

• Section 4.2
  • Added text to describe both original service model (Services in VRF) vs. the alternate option of having services in Global Routing Table Instance (with requirement for route leaking)
  • Figure 2, LSN -> CGN
  • Added Figure 3 for internal service model option (customer to customer traffic)
  • Added text to describe Figure 3 internal service flow (direct LSP network hosts)

• Section 8
  • Renamed section ( Removed :Conclusion, added: Framework Discussion)
Progression

- Add: Multi-cast considerations section (require MPLS based option for this framework if used)

- Spin version -03

- Following -03, request to proceed to WGLC?