

CGN Deployment with BGP/MPLS IP VPNs

draft-ietf-opsawg-lsn-deployment-02

IETF86 Orlando

Victor Kuarsingh, Rogers Communications

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 text 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?