PCP Tunnel-ID Option

PCP Working Group
draft-ripke-pcp-tunnel-id-option-02

Changes since -01

- Changed option name
 - 1,\$s/TUNNEL_ID/THIRD_PARTY_ID/g
 - to indicate general applicability as an extended THIRD_PARTY option identifier
 - to fit other scenarios like subscriber identifier in
 - draft-boucadair-sfc-classifier-control: e.g., MAC address
 - RFC6887: layer 2 aware NATs (draft-miles-behave-l2nat)

RFC6887

2 Scope

2.1. Deployment Scenarios

PCP can be used in various deployment scenarios, including:

- o Basic NAT [RFC3022]
- o Network Address and Port Translation [RFC3022], such as commonly deployed in residential NAT devices o Carrier-Grade NAT [RFC6888]
- o Dual-Stack Lite (DS-Lite) [RFC6333]
- o NAT that is Layer-2 Aware [L2NAT]
- o Dual-Stack Extra Lite [RFC6619]
- o NAT64, both Stateless [RFC6145] and Stateful [RFC6146]
- o IPv4 and IPv6 simple firewall control [RFC6092]
- o IPv6-to-IPv6 Network Prefix Translation (NPTv6) [RFC6296]

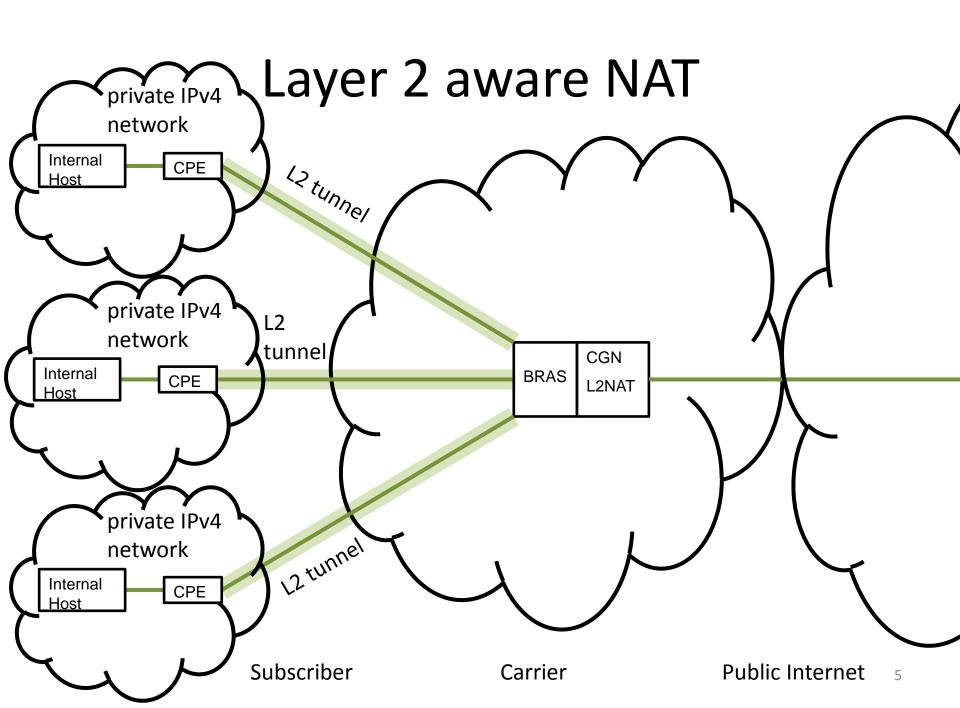
RFC6887

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Subscribers can freely choose their internal IP addresses: This potentially leads to overlapping IP address spaces.

