Public IPv4 over IPv6 Access Network

draft-ietf-softwire-public-4over6

For IETF83

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Draft status

- Adopted by WG in IETF 81

- -ietf-00 version in Sept 2011

- -ietf-01 version in Mar 2012

- The provisioning draft has been adopted in DHC WG

  - DHCPv4 over IPv6 transport: draft-ietf-dhc-dhcpv4-over-ipv6-01

Updates since -ietf-00

- Editorial changes in abstract and introduction

- Re-organize texts in section 4
  - Categorize the communication requirements into end user and operator requirements
  - Remove redundant texts in section 4.2

- Remove "technical advantages" which was a dedicated section
  - Contents described in section 1 & section 4

Comments from ML

- Revision based on ML comments
  - Hairpin should be supported on the 4over6 concentrator
  - When receive 4-in-6 packet, the concentrator should check the inner IPv4 src IP addr against the outer IPv6 src IP
    - Address this point in both Section 5.3 (4over6 concentrator behavior) & Section 6(security consideration)

Running code experience

- Implementation
  - Host initiator on Windows 7 & Windows XP
  - CPE initiator and Concentrator on Linux server
- Deployment
  - Two Concentrators deployed CNGI-CERNET2
  - End user in IPv6 Tsinghua campus network
    - Campus WIFI/Dormitory LAN/CPE in LAB
- User experience
  - Experience no differences from native IPv4 access
  - All applications work well

Next step

- If you have further comments, please raise them on the mailing list;

- else, request WG last call?