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
  o Categorize the communication requirements into end user and operator requirements
  o Remove redundant texts in section 4.2
• Remove “technical advantages” which was a dedicated section
  o Contents described in section 1 & section 4
Comments from ML

• Revision based on ML comments
  o Hairpin should be supported on the 4over6 concentrator
  o 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
  o Host initiator on Windows 7 & Windows XP
  o CPE initiator and Concentrator on Linux server

• Deployment
  o Two Concentrators deployed CNGI-CERNET2
  o End user in IPv6 Tsinghua campus network
    • Campus WIFI/Dormitory LAN/CPE in LAB

• User experience
  o Experience no differences from native IPv4 access
  o All applications work well
Next step

• If you have further comments, please raise them on the mailing list;
• else, request WG last call?