BEHAVE Working Group

IETF 78 – Maastricht
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Logistics

• Note taker and jabber scribe?
• Meeting Materials (Slides, Agenda, etc.)
  – http://tools.ietf.org/wg/behave/agenda
• XMPP
  – behave@jabber.ietf.org
• Mailing List
  – behave@ietf.org
  – http://www.ietf.org/mailman/listinfo/behave
Agenda (1/2)

9:00 Note takers, agenda, existing milestones

CURRENT WORK:
9:15 TURN-IPv6 review feedback
   draft-ietf-behave-turn-ipv6

9:30 Large Scale NAT and NAT444
   draft-nishitani-cgn-05
   draft-shirasaki-nat444-02
   draft-shirasaki-nat444-isp-shared-addr-04

DEPLOYMENT REPORTS:
9:45 NAT44/LSN Deployment Options and Experiences
   draft-kuarsingh-lsn-deployment-00

10:00 Experiences from an IPv6-Only Network
   draft-arkko-ipv6-only-experience-00

10:15 An Experimental Study of Home Gateway Characteristics

POTENTIAL NEW WORK:
10:30 Dual Stack Hosts Using "Bump-in-the-Host"
   draft-huang-behave-bih-00
Agenda (2/2)

10:50 Analysis: hosts knowing AAAA is synthesized versus hosts creating their own synthesized IPv6 address
   Section 4.1 of draft-wing-behave-learn-prefix-04
   Section 4.2 of draft-wing-behave-learn-prefix-04
   Section 3.3 of draft-wing-behave-learn-prefix-03
   draft-korhonen-edns0-synthesis-flag-00
   Section 3 of draft-korhonen-edns0-synthesis-flag-00
   Section 4 of draft-korhonen-edns0-synthesis-flag-00
   draft-boucadair-behave-dns64-discovery-00

11:10 NAT64 and mobile IPv6
   draft-sarikaya-behave-netext-nat64-pmip-00
   draft-sarikaya-behave-mext-nat64-dsmip-00

11:25 finished

11:30 end
Document Status

• AUTH48
  – draft-ietf-behave-turn-uri

• IESG Evaluation (Aug.12\textsuperscript{th} IESG telechat)
  – draft-ietf-behave-address-format
  – draft-ietf-behave-v6v4-framework
  – draft-ietf-behave-v6v4-state-stateful
  – draft-ietf-behave-v6v4-xlate

• IESG Evaluation::AD Followup
  – draft-ietf-behave-turn-ipv6 (discussion today)
  – draft-ietf-behave-turn-tcp (I-D was revised)
Document Status

• IETF Last Call completed, doc updated, waiting for AD Go-Ahead
  – draft-ietf-behave-dns64

• WGLC completed, followups in progress
  – draft-ietf-behave-ftp64

• Waiting for updates from authors
  – draft-ietf-behave-sctpnat
IPR Declarations

• FTP64:
  – Cisco, RAND (non-assert with defensive suspension?)
2010 doodle poll results (1/2)

• Questions intended to roughly match the Feb 2009 poll from last recharter
  – Focus on those wanting to implement and/or deploy solutions (e.g. see RFC 5218 sec 3)
• 14 total responses from 7 affiliations
  – We looked at both # responses and affiliations
  – Fewer responses than Feb 2009 poll may indicate most important/urgent items are done (which is consistent with Feb 2009 results)
2010 doodle poll results (2/2)

• Results posted to list July 6th

• Feb 2009 results were to only take things that had 11 poll responses in favor.
  – In this poll that would only be two items: NAT load balancing, IPv4 Internet to an IPv6 network

• But this is only one of the inputs to rechartering
  – multiple implementations, multiple deployments, IESG feedback, etc.
Proposed (Draft) Charter Update (1/2)

- In scope for discussion, and new milestones can be created to address this scenario
  - An IPv4 application running on an IPv6-only connected host to the IPv6 Internet
- In scope for discussion, but creating new milestones will require re-chartering:
  - An IPv4 network to IPv6 Internet
  - IPv4 Internet to an IPv6 network
  - multicast translation
Proposed (Draft) Charter Update (2/2)

• Updated milestones:
  Aug 2010  Submit to IESG: FTP ALG for IPv6/IPv4 translation (std)
  Dec 2010  Submit to IESG: large scale NAT requirements (BCP)
  Apr 2011  Submit to IESG: SCTP NAT behavior (BCP)

• Proposed new milestones:
  Dec 2010  Submit to IESG: Analysis of NAT-PT considerations with IPv6/IPv4 translation (info)
  Dec 2010  Submit to IESG: avoiding NAT64 with dual-stack host for local networks (std)
  Apr 2011  Submit to IESG: NAT64 load balancing (info)
  Apr 2011  Submit to IESG: host-based NAT46 translation for IPv4-only applications to access IPv6-only servers (std)
Other items

New gap, is there interest?
• NAT MIB (RFC 4008) update/extensions

Discussion moved to other WGs:
• Port Control Protocol
  – Separate WG proposed
• IPv4 address range for traceroute across a stateless-only translator
  – Somewhere (TBD) in OPS area