

# BEHAVE Working Group

IETF 78 – Maastricht  
July, 2010

Chairs:

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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](mailto:behave@jabber.ietf.org)
- Mailing List
  - [behave@ietf.org](mailto:behave@ietf.org)
  - <http://www.ietf.org/mailman/listinfo/behave>

# Agenda (1/2)

9:00 Note takers, agenda, existing milestones (Chairs, 15)

## CURRENT WORK:

9:15 TURN-IPv6 review feedback (Simon Perreault, 15)  
[draft-ietf-behave-turn-ipv6](#)

9:30 Large Scale NAT and NAT444 (Shin Miyakawa, 15)  
[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 (Victor Kuarsingh, 15)  
[draft-kuarsingh-lsn-deployment-00](#)

10:00 Experiences from an IPv6-Only Network (Jari Arkko, 15)  
[draft-arkko-ipv6-only-experience-00](#)

10:15 An Experimental Study of Home Gateway Characteristics (Aki M Nyrhinen, 15)

## POTENTIAL NEW WORK:

10:30 Dual Stack Hosts Using "Bump-in-the-Host" (Teemu Savolainen, 20)  
[draft-huang-behave-bih-00](#)

# Agenda (2/2)

- 10:50 Analysis: hosts knowing AAAA is synthesized versus hosts creating their own synthesized IPv6 address (Jouni Korhonen, 20)  
[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 (Behcet Sarikaya, 15)  
[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<sup>th</sup> 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 6<sup>th</sup>
  - <http://www.ietf.org/mail-archive/web/behave/current/msg08618.html>
- 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

