

BEHAVE Working Group

IETF 82 – Taipei
November 2011

Chairs:

Dave Thaler, dthaler@microsoft.com

Dan Wing, dwing@cisco.com

Note Well

Any submission to the IETF intended by the Contributor for publication as all or part of an IETF Internet-Draft or RFC and any statement made within the context of an IETF activity is considered an "IETF Contribution". Such statements include oral statements in IETF sessions, as well as written and electronic communications made at any time or place, which are addressed to:

- the IETF plenary session,
- any IETF working group or portion thereof,
- the IESG or any member thereof on behalf of the IESG,
- the IAB or any member thereof on behalf of the IAB,
- any IETF mailing list, including the IETF list itself, any working group or design team list, or any other list functioning under IETF auspices,
- the RFC Editor or the Internet-Drafts function

All IETF Contributions are subject to the rules of RFC 5378 and RFC 3979 (updated by RFC 4879).

Statements made outside of an IETF session, mailing list or other function, that are clearly not intended to be input to an IETF activity, group or function, are not IETF Contributions in the context of this notice. Please consult RFC 5378 and RFC 3979 for details.

A participant in any IETF activity is deemed to accept all IETF rules of process, as documented in Best Current Practices RFCs and IESG Statements.

A participant in any IETF activity acknowledges that written, audio and video records of meetings may be made and may be available to the public.



Logistics

- Note taker and jabber scribe?
- Meeting Materials (Slides, Agenda, etc.)
 - <http://tools.ietf.org/wg/behave/agenda>
- `xmpp:behave@jabber.ietf.org?join`
- Mailing List
 - `behave@ietf.org`
 - <http://www.ietf.org/mailman/listinfo/behave>

Agenda

Thursday, Afternoon Session II 1520-1720, room: 3F Banquet

15:20 Note takers, agenda, existing milestones (Chairs, 5)

NON-CHARTERED WORK ITEMS:

15:25 Logging NAT events (Reinaldo Penno, 10)
draft-sivakumar-behave-nat-logging

MILESTONE WORK ITEMS:

15:35 Carrier Grade NAT Requirements (Simon Perreault, 10)
draft-ietf-behave-lsn-requirements
milestone: large scale NAT requirements (BCP), December 2010

15:45 NAT64 Discovery Heuristic (Teemu Savolainen, 10)
draft-ietf-behave-nat64-discovery-heuristic
milestone: avoiding NAT64 with dual-stack host for local
networks, April 2011

NON-CHARTERED WORK ITEMS:

15:55 NAT Behavioral Requirements Updates (Reinaldo Penno, 15)
draft-penno-behave-rfc4787-5382-5508-bis

Agenda

- 16:10 Deterministic Address Mapping to Reduce Logging (Chris Donley, 10)
draft-donley-behave-deterministic-cgn
- 16:20 NAT444 and DS-Lite Impacts (Chris Donley, 10)
draft-donley-nat444-impacts
- 16:30 NAT44/LSN Deployment Options and Experiences (Victor Kuarsingh, 10)
draft-kuarsingh-lsn-deployment
- 16:40 Radius Extensions for CGN Configurations (Dean Cheng & Jouni Korhonen, 10)
draft-cheng-behave-cgn-cfg-radius-ext
- 16:50 NAT MIB bis (Simon Perreault, 10)
draft-perreault-opsawg-natmib-bis
- 17:00 IPv4 Address Sharing: problem, solutions, and test results (Senthil Sivakumar, Mohamed Boucadair, Jaqueline Queiroz, 15)
draft-boucadair-intarea-nat-reveal-analysis
draft-abdo-hostid-tcpopt-implementation
- 17:15 finished
- 17:20 end

Document Status (1/2)

- Published:
 - ftp64
- Sent to IESG:
 - behave-64-analysis
 - behave-nat64-learn-analysis
 - v4v6-bih

Document Status (2/2)

- Waiting for updates from authors
 - sctpnat, waiting for ietf-tsvwg-natsupp
- WGLC
 - Isn-requirements (will need update)

BEHAVE Published RFCs

6/4 Translation

NAT64 Address Format (RFC6052)
NAT64 Framework (RFC6144)
NAT64 (RFC6145)
Stateful NAT64 (RFC6146)
DNS64 (RFC6147)
FTP64 ALG (RFC6384)
TURN IPv6 (RFC6156)

IPv6/IPv4

2006

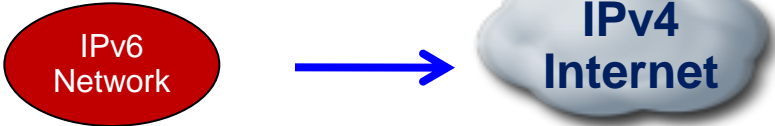


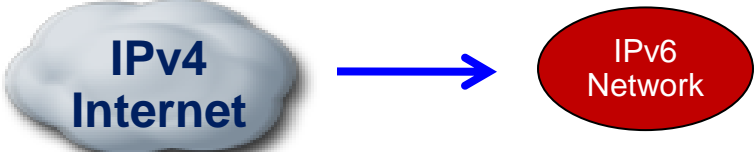

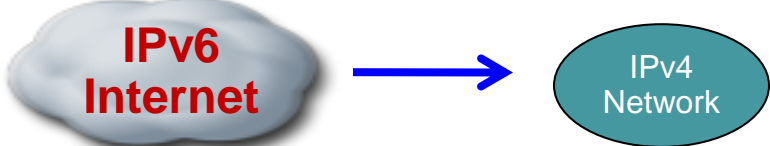

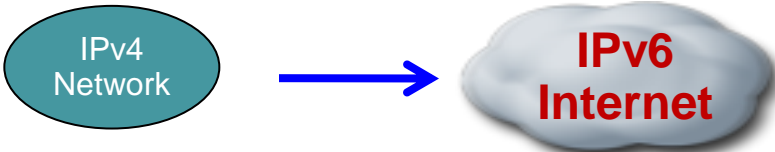
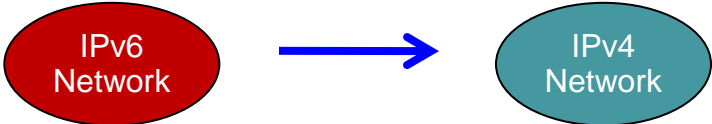


Oct 2008

2011

IPv4/IPv4

UDP NAT behavior (RFC4787)
Multicast (RFC5135)
TCP NAT behavior (RFC5382)
STUN (RFC5389)
ICMP NAT behavior (RFC5508)
DCCP (RFC5597)
TURN (RFC5766)
NAT behavior discovery (RFC5780)
TURN-TCP (RFC6062)

IPv6/IPv4 Translation Scenarios

		<u>Stateful</u>	<u>Stateless</u>
1.			
2.			
3.			
4.		<div style="background-color: yellow; border: 1px solid black; padding: 5px; text-align: center;"> Not yet needed; no IPv6-only content </div>	
5.			
6.	