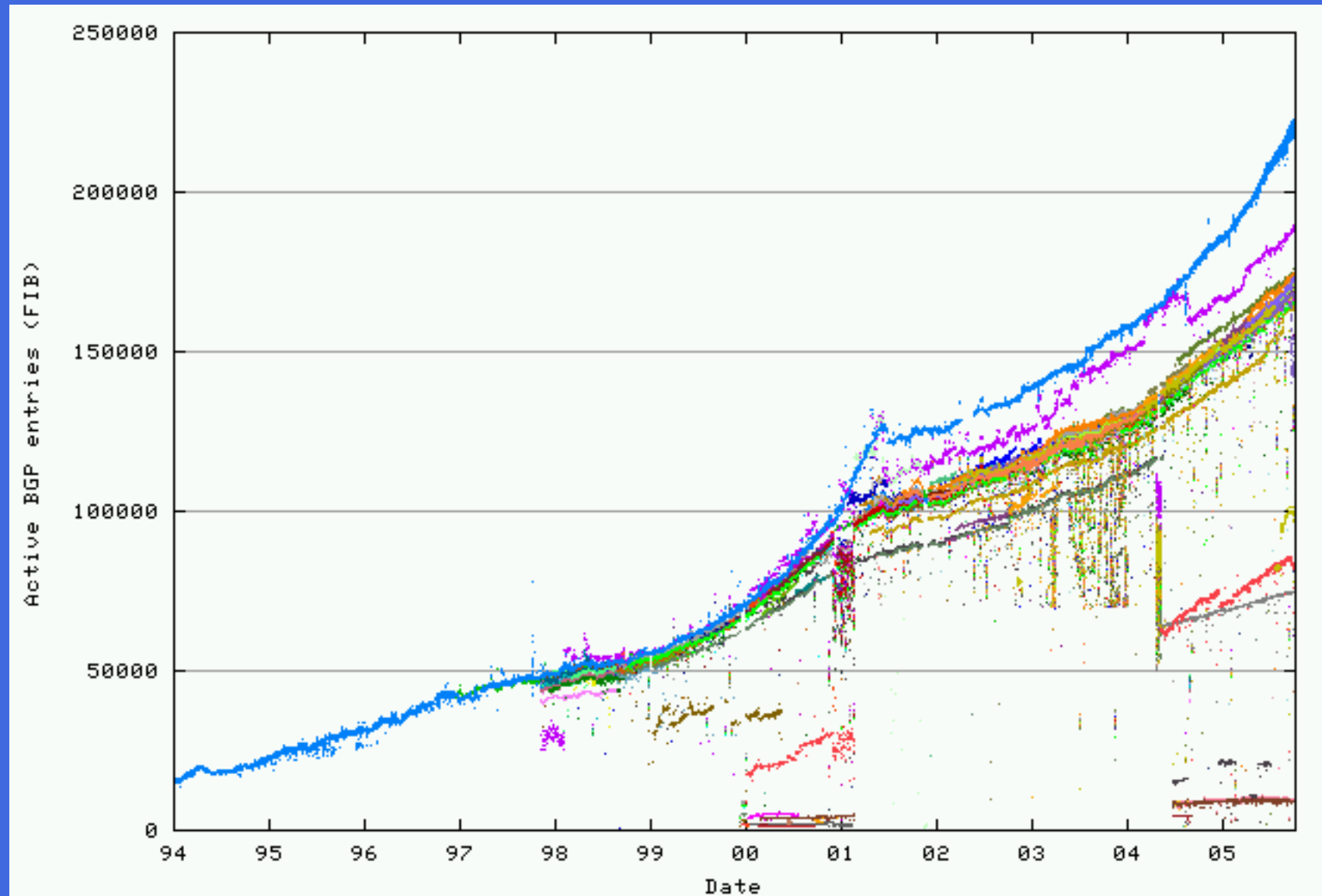


IAB IPv6 Multi-homing BOF



Agenda

■ Goals and Objectives

- Meyer/All (5 minutes)

■ What is the IAB anyway?

- Meyer (10 minutes)

■ Organized Input

- SHIM6 Context
 - Huston (10 minutes)
- Service Provider Perspectives
 - Jason Schiller (MCI) (7 minutes)
 - Ted Seely (Sprint) (7 minutes)
 - Vijay Gill (AOL) (7 minutes)

■ Community Input and Discussion

- All (45 minutes)

■ Wrap Up and Next Steps

- Meyer/All (10 minutes)

Goals and Objectives

- The Objective of this BOF is two-fold
 - To provide context for the ongoing discussion of the evolution of technical aspects multi-homing in the Internet
 - ▶ And of course, its consequences
 - Provide additional opportunity for the operational community to provide feedback to the IETF on the direction the IETF is taking with respect to multi-homing in IPv6
- Finally, note that while this session is a bit of an experiment, the Best Way to get your input into the IETF is to participate in the IETF WGs
 - In this case, the shim6 WG

Desired Outcomes

- The beginning of an ongoing dialog
 - For the operator community
 - ▶ Awareness about the shim6 effort
 - ▶ And how you can get involved with efforts in the IETF
 - For the IETF community
 - ▶ Awareness about operator concerns
- In general, we are seeking input on possible operational issues with the emerging shim6 spec
 - And realizing that...
 - ▶ shim6 is not the complete answer
 - ▶ nor is a "pure" PI or PA allocation policy
 - And...there are operational aspects of shim6 multi-homing are TDB
 - ▶ e.g., traffic engineering

Rules of Engagement

- First and foremost, we're here to listen to your comments and concerns

- Second, let's make sure we keep the information flow going in a bi-directional fashion

- During our discussions, please remember that
 - IPv6 is being deployed
 - so the multi-homing problem for IPv6 must be solved
 - shim6 is about IPv6
 - as opposed to IPv4 or other (future) version of IP
 - shim6 may not solve all needs for multi-homing in IPv6
 - rather, shim6 is designed to address the site multi-homing problem

With that brief introduction...

- To join the shim6 mailing list:
 - To Subscribe: shim6-request@psg.com
 - Archive: <http://ops.ietf.org/lists/shim6/>
 - General Discussion: shim6@psg.com

- On to Geoff to set the shim6 context

Wrap Up and Next Steps

- Was discussion useful?
 - And how could this kind of thing be made more useful?
- Was this a good forum?
 - Noting that we're hoping to do this at the other NOGs
- Summary/minutes will be posted on:
- <http://utgard.ietf.org/iab/documents/open-mtgs>

What is the IAB Anyway?

Brief Overview of The Role of the IAB in the IETF

David Meyer

NANOG 35

Los Angeles, CA

<http://www.1-4-5.net/~dmm/talks/NANOG35/iab>

What is the IAB anyway?

- The role of the IAB is documented and defined in RFC2850 (BCP39)
- We'll get into roles in a sec, but first...
 - How do you get on the IAB?
- Members are selected by the NOMCOM
 - Except for Ex-Officio and Liaison members
- Ex-Officio members
 - IRTF chair and the IAB Executive Director
- Liaison members
 - ISOC, RFC Editor, IANA and the IESG

IAB Roles: IESG Appointment, RFC Series, IANA

■ IESG Appointment [BCP 10]

- The NOMCOM annually provides a list of candidates for vacant IESG seats and for the IETF Chair if vacant. The IAB reviews the candidates, consenting to some, all, or none.

■ RFC Series

- The IAB approves the appointment of an organization to act as RFC Editor and the general policy followed by the RFC Editor

■ IANA

- The IAB approves the appointment of an organization to act as IANA on behalf of the IETF

IAB Roles: Standards Process Oversight

- The IAB's role in Standards Process Oversight and Appeal is documented in [BCP 9]. In particular,
- The IAB provides oversight of the process used to create Internet Standards
- The IAB serves as an appeal board for complaints of improper execution of the standards process

IAB Roles: Liasons

■ ISOC Liaison

- The IAB acts as a source of advice and guidance to Officers and BOT of the ISOC concerning technical, architectural, procedural, and (where appropriate) policy matters pertaining to the Internet and its enabling technologies.

■ External Liaisons

- The IAB acts as representative of the interests of the IETF and the ISOC in technical liaison relationships with other organizations concerned with standards and other technical and organizational issues relevant to the world-wide Internet.

IAB Roles: IAB Architectural Oversight

- Documented in section 2.2 of RFC2850
 - The IAB provides is charred with providing oversight of the architecture for the protocols and procedures used by the Internet.
 - <ftp://ftp.rfc-editor.org/in-notes/rfc2850.txt>

- So, what "levers" can the IAB can pull?

- Let's take a look at what section 2.2 of RFC 2850 actually provides for...

Levers the IAB can (actually) pull...

- The IAB provides input to the IESG regarding BOFs and possible (subsequent) WG formation
- The IAB sponsors and organizing the Internet Research Task Force (IRTF)
 - ▶ as well as reviewing proposed IRTF groups
- The IAB can convene invitational workshops to perform in-depth reviews of particular architectural issues
 - ▶ See, for example, <ftp://ftp.rfc-editor.org/in-notes/rfc3535.txt>
- The IAB can organize ad hoc bodies of independent technical experts to adjudicate technical disputes
 - ▶ For example, the IAB IPv6 ad-hoc committee
- The IAB can also write informational documents
 - ▶ See, for example <ftp://ftp.rfc-editor.org/in-notes/rfc3724.txt>

Questions?

Thanks

<http://www.iab.org>