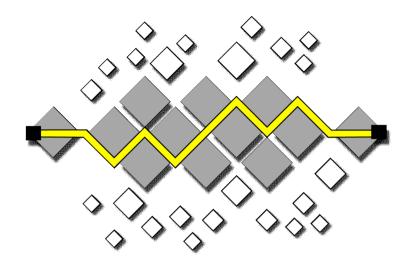# IETF 70
Technical Plenary

Agenda

- Welcome
- IRTF Chair's report
  - Aaron Falk
- IAB Chair's report
  - Olaf Kolkman
- What Makes For a Successful Protocol
  - Dave Thaler
- Energy Engineering for Protocols and Networks
  - Bruce Nordman
  - Elwyn Davies
- Open microphone session

Update on the Internet Research Task Force

Aaron Falk

IRTF Chair

IETF-70 – Vancouver, British Columbia

IRTF Status

- Three Research Groups met at this IETF
  - HIPRG, MOBOPTS, RRG

- Writing a document to formalize IRTF RFCs

- Another IRTF RFC published since IETF-69
  - RFC5050 "Bundle Protocol Specification"
  - ~10 drafts in-progress towards publication

- Discussing P2PRG chair, charter

- Reviewed the RRG with the IAB

Suggestions for New Work

- RG follow-up for the IAB workshop on *unwanted traffic mitigations*

- Interest in RG on *network virtualization*

- Interest in RG on a *QoS policy framework*

- Suggestion in TSV to create an RG on *cross-layer communication*

A few RG highlights...

Routing Research Group

- Lots of activity

- Evaluating several new routing architecture proposals

- Planning to start pushing for convergence on a recommendation by March 2009

Delay Tolerant Networking RG

- RFC 5050 (bundle protocol) published
  - 17 drafts in the tracker

- DARPA-sponsored field test of bundle protocol/DTN implementation met objectives in 2-week test in Nov

- Will meet in Philadelphia

Host Identity Protocol RG

- Several P2PSIP designs based on HIP

- New draft on HIP middlebox authentication

- Bunch of HIP deployments

Internet Congestion Control RG

- Evaluating congestion control proposals for TSV area

- Writing survey of current congestion control RFCs
  - Intention: provide CC designers with guide to related work

- Writing survey of open CC research issues

Internet Measurement RG

- Held a workshop on *Application Classification and Identification* (October 3)
  - *how prohibitive is deep-packet inspection?*
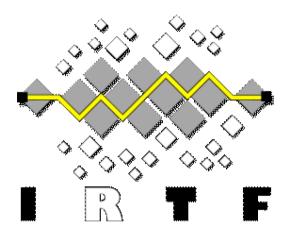 - *how can we compare techniques given the sensitive nature of the data?*

Network Management RG

- Workshop/Meeting on *SNMP Trace Analysis* (November 8-9)_
    - Common definitions for aggregating SNMP messages contained in traces into flows, slices, slice sets, etc.
    - Visualization of flows, slices, slices sets etc.

Transport Modeling RG

- Winding up modeling recommendations

- New community effort on TCP benchmarks
  - particular emphasis on tools & facilities

www.irtf.org

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Internet Architecture Board Update

Olaf M. Kolkman

December 6, 2007

IETF 70, December 6, 2007, Vancouver BC, Canada

IAB
a (traditional) reminder

- IAB Charter: RFC2850

  http://www.iab.org/about/overview.html

- Documents

  http://www.iab.org/documents/selected-iab-documents.html

- Minutes

  http://www.iab.org/documents/iabmins/index.html

- Correspondence

  http://www.iab.org/documents/correspondence/index.html

- Liaisons and more all via the IAB website

Document Activity

Architectural documents

- RFC publications
    - RFC 4984: Report from the IAB Workshop on Routing and Addressing
    - RFC 4948: Report from the IAB Workshop on Unwanted Traffic March 9-10, 2006

Architectural activity

- **Principles of Internet Host Configuration**
    - draft-iab-ip-config-00
- **What Makes For a Successful Protocol?**
    - draft-iab-protocol-success-01
- **Encouragement to IESG to work on a NAT-PT successor**
    - http://www1.ietf.org/mail-archive/web/ietf/current/msg48436.html

Inter-Organizational

Appointments:

- Ralph Droms as Cablelabs liaison
- Monique Morrow as liaison for ITU-NGN
- Ole Jacobsen as IETF member of the ICANN NOMCOM

- IETF to become an ISO/JTC Approved Reference authority
- Tracking developments with respect to IGF and OECD preparations
  - Working with ISOC when and where needed

Inter Organizational (T-MPLS)

- Joint IAB/IESG message to ITU-T leadership about concerns with respect to T-MPLS use of the MPLS Ethertypes
    - https://datatracker.ietf.org/documents/LIAISON/file470.txt
- ITU-T decision process not finalized
- IETF preparing for the work to land through the establishment of an IAB ad-hoc committee

IAB Technical Ad-Hoc Committee on T-MPLS

- Identifying an action list for the IETF
    - Inventory of IETF decisions to be revisited
- Identifying incompatibles and inconsistencies between IETF and ITU-T documents
- Organise how to take care of ITU-T mpls/pwe3 requirements
- More info:
    - http://www.iab.org/about/adhocs/tmpls-charter.html

Worth Mentioning

- RIPE NCC signed e164.arpa (November 28)
- We have had no appeals

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