

Pushing the FIB limits, perspectives on the the pressures confronting modern Routers

February 5th 2007

What the BOF aims to address

- Pressures that are leading to FIB exhaustion.
- The current and near future state of FIB implementations in modern routers and L3 switches.
- Other solutions to relieving the pressure in the near term.
- Limitations in software forwarding based routers

BOF Topics

- This is a BOF because:
 - To talk about hardware you need to be comfortable discussing specifics.
 - More fluid agenda
 - Audience participation (hopefully)

What the BOF does not intend to address

- Solving the global routing scalability problem.
- Moore's law.
- The moral peril of deaggregation, traffic engineering, or an IPV6 routing table explosion.

Agenda

- Greg Hankins – Force 10
- Suran De Silva – Cisco
- Bill Ryan – Foundry
- John Scudder – Juniper
- Ran Atkinson - Extreme
- Anybody Else?
- Me again