

LINX Update

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What is LINX?

- In case you've been hibernating...
- Not-for-profit, mutual internet exchange
 - Governed by members
 - > 4 member meetings per year
- 20 Staff members (~18 FTE)
- 10 Years Old in 2005
 - A number of pioneering firsts behind us



Current Status

- 173 members from 27 countries
- Present at 6 Carrier hotels in London
 - Not owned by LINX, independent
- Dual platform, multiple 10G ring design
 - Two separate public peering LANs, available across all sites
 - Foundry and Extreme switches
- Public switch traffic: 56 Gb/sec
 - With steady growth
- Managed Private Interconnects: ~25 Gb/sec



Switch Traffic



Network Design

- Equipment from two separate vendors:
 - Foundry (MG8 and JetCore)
 - Extreme (BD6808 with MSM3)
- Configured as two separate nonconnected peering LANs
- Diversely routed intersite fibre
- Ring protection to manage redundant links
 - Foundry MRP or Extreme EAPS

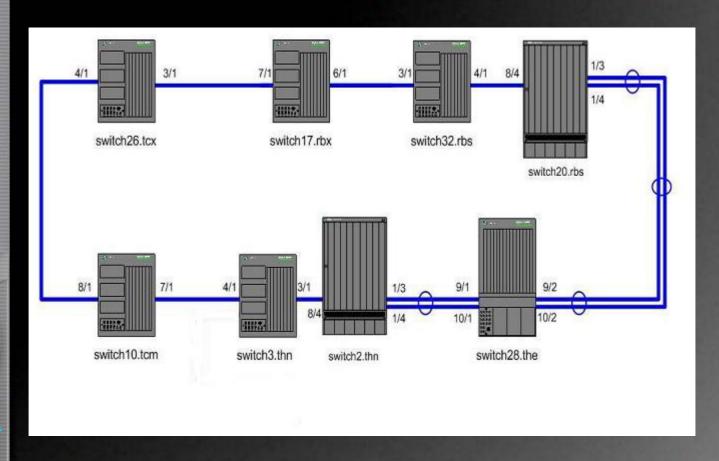


Network Basics

- Flat layer 2 network
 - Can see all participants on the LAN by connecting to one site
- Wide range of connection speeds
 - > 10/100, 1G and 10G Ethernet
- Each network is very similar
- Currently don't offer VLAN services



Foundry Network Diagram







Multicast Support

- Multicast currently provided over a separate platform
- Now moving to multicast as a VLAN on tha main infrastructures
- Migrate to PIM snooping
 - > For multicast containment
- Provide native multicast on the peering LANs?



IPv6 Support

- Supported natively on the main peering LAN
- Not lots of v6 participants at this time
 - > < 20
- Seeing some gentle growth



"Good of the Internet"

- Hosting activities of essential items
 - Root nameservers (K.root and I.root)
 - ccTLD Nameservers (.at, .be, .eu, .uk)
- Hosting of research activities
 - > PCH
 - > Route views
 - > RIPE NCC RIS and TT boxes



Regulatory Activities

- One full-time staff member
 - Malcolm Hutty
- Number of activities
 - > Anti-spam, content regulation, etc
 - Mostly working with UK Government
 - Work in Brussels increasing
 - Currently monitoring WSIS activities
 - Some collaboration with RIPE NCC in this area
- http://publicaffairs.linx.net/



Questions?

