

LINX Update @RIPE 60

Mo Shivji,

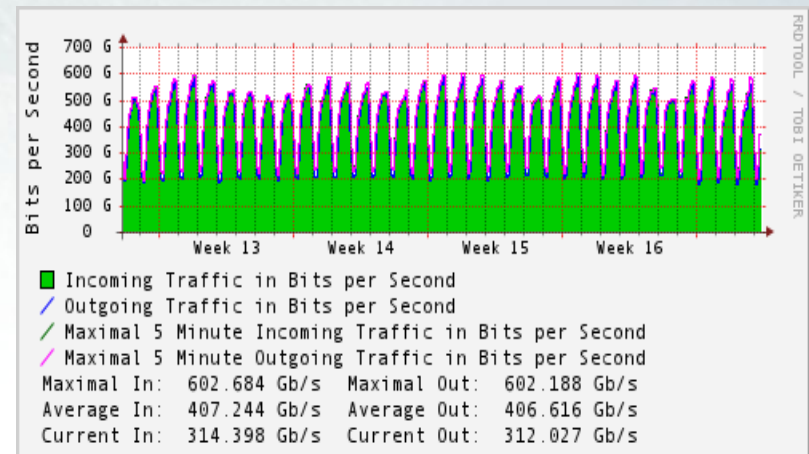
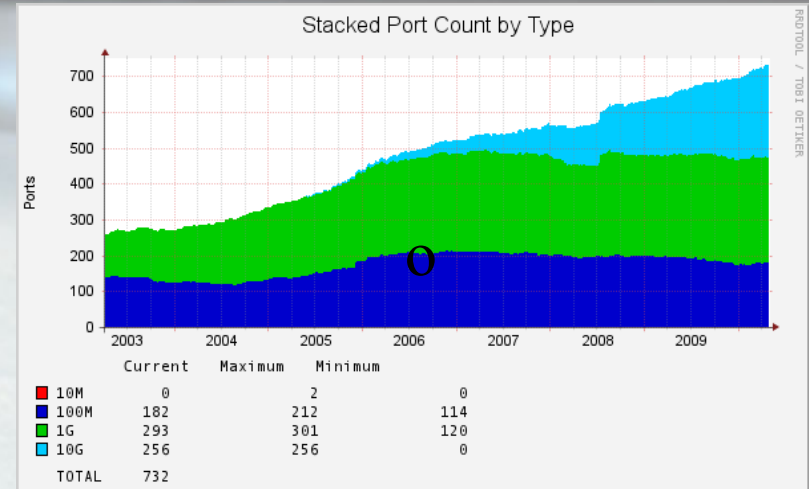
<http://www.linx.net/>

Overview

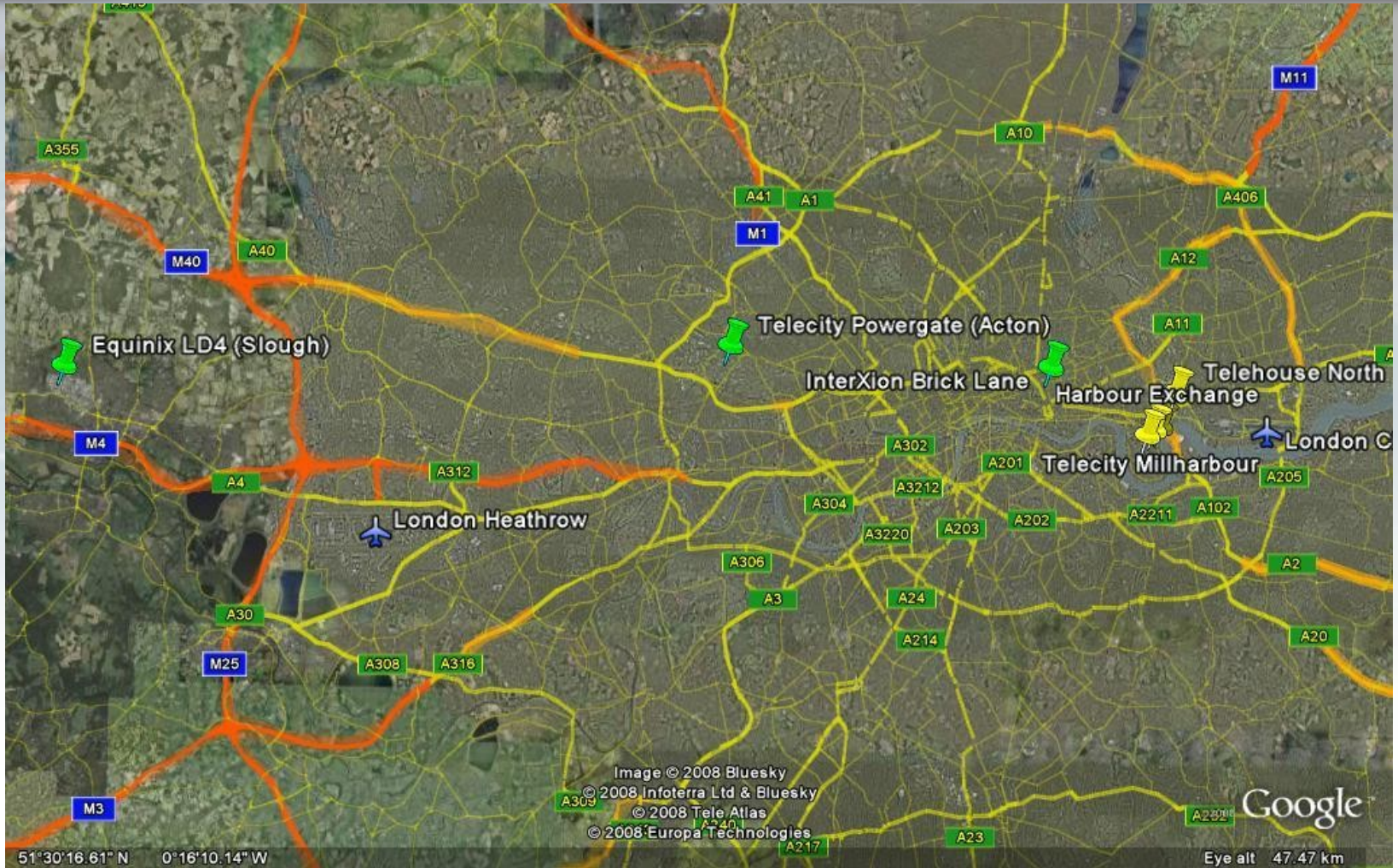
- Brief Statistics
- Where are we ?
- Network Overview
- Route Servers & Statistics
- Non-Techie Things
- Social Networking
- Questions

Brief Statistics

- 359 Members connected to Brocade LAN
- 19 new members in 2010.
- 75 ports provisioned, 36 being 10Gb
- ~0.6 Tb/sec at peak
- Switches hosted in 10 locations
 - All switches interconnected
 - Docklands, Central and West London



Where are we ?



RIPE60

Engineering



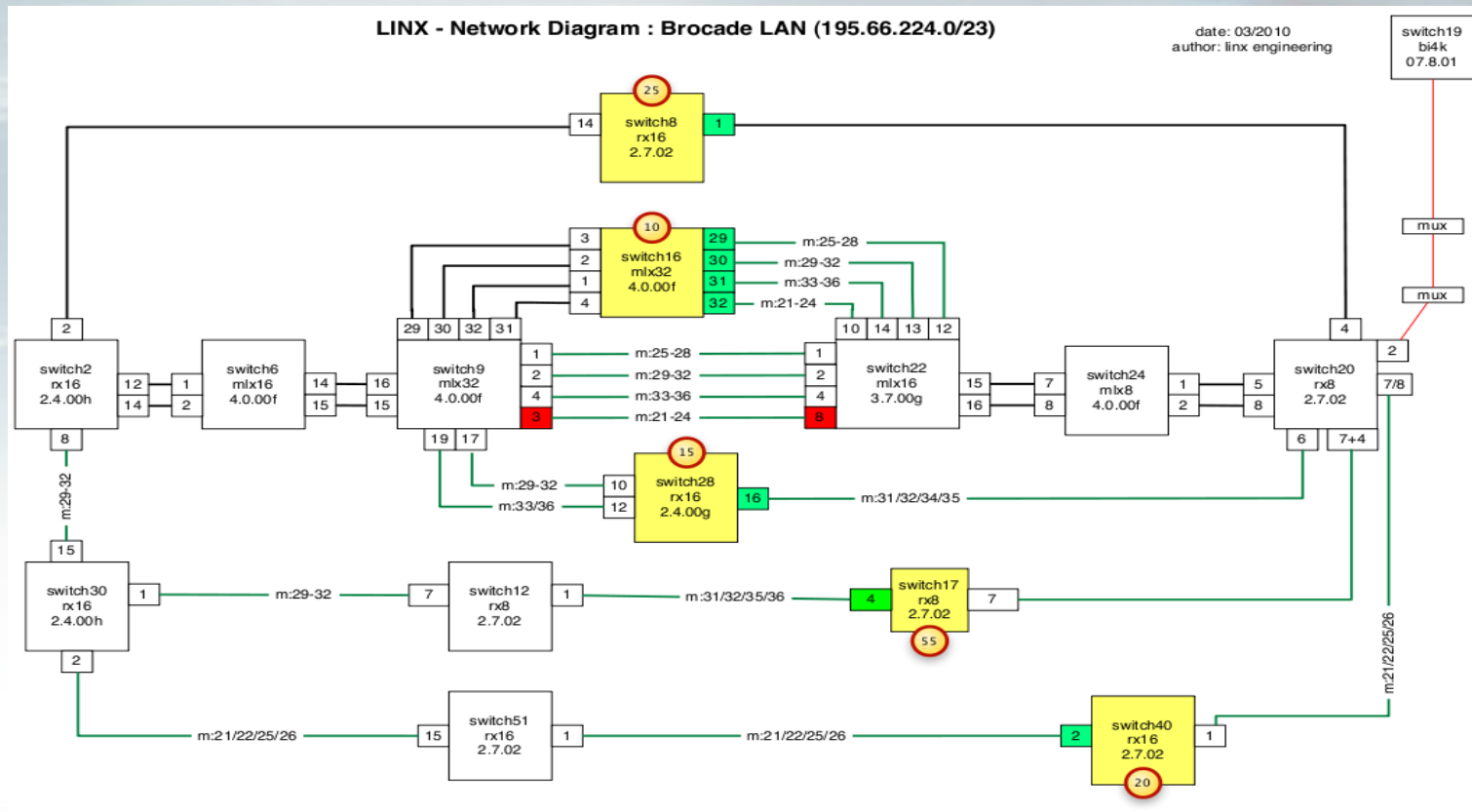
Colocation stuff

- Telehouse West
 - Site is now live
 - Ports served using colo fibre.
- Equinix LD5
 - Ports served via LD4 using colo fibre.
- Telecity Powergate
 - New campus just launched.
 - Ports served using colo fibre.



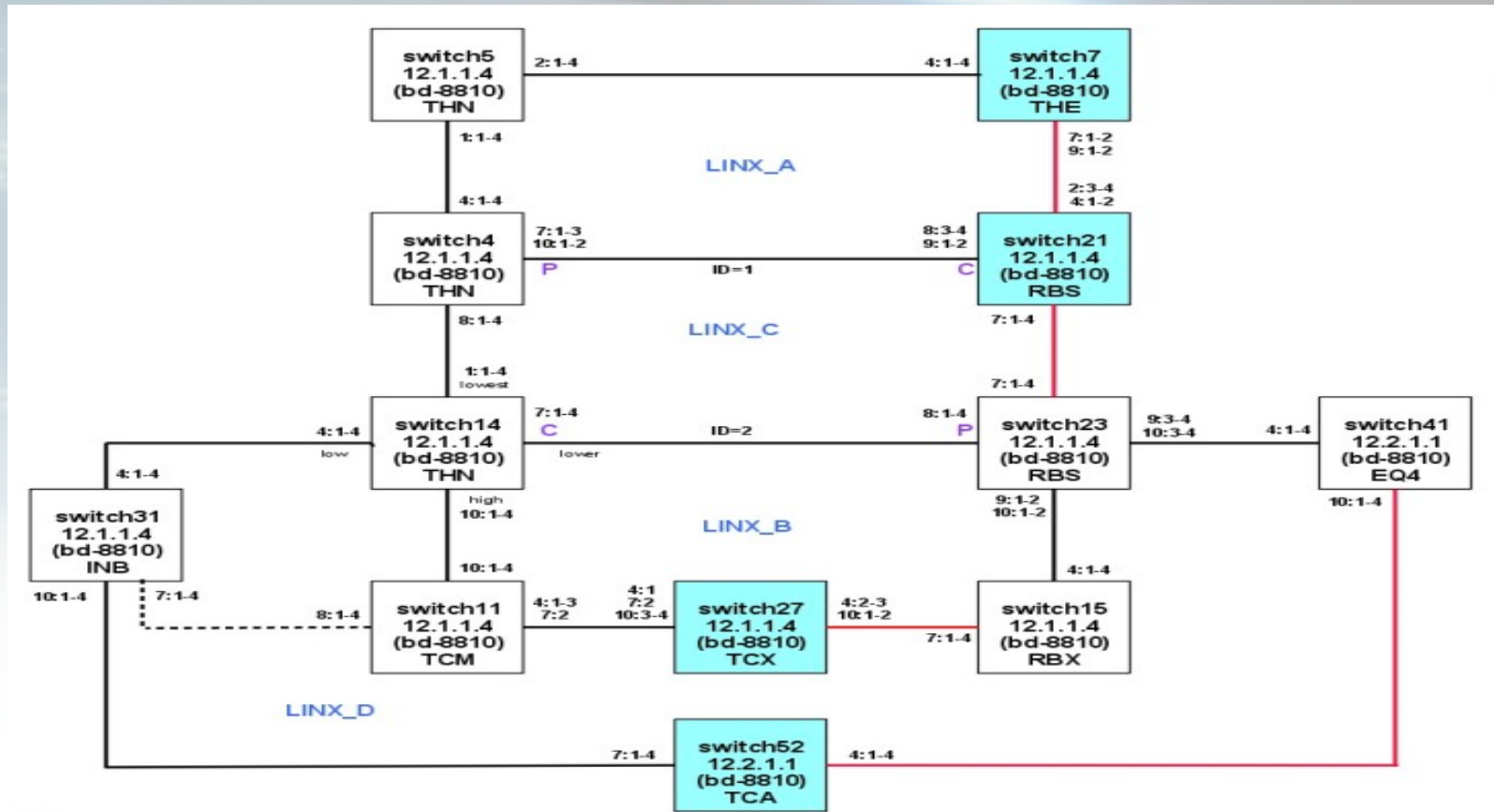
Network Overview

Brocade LAN



Network Overview

Extreme LAN

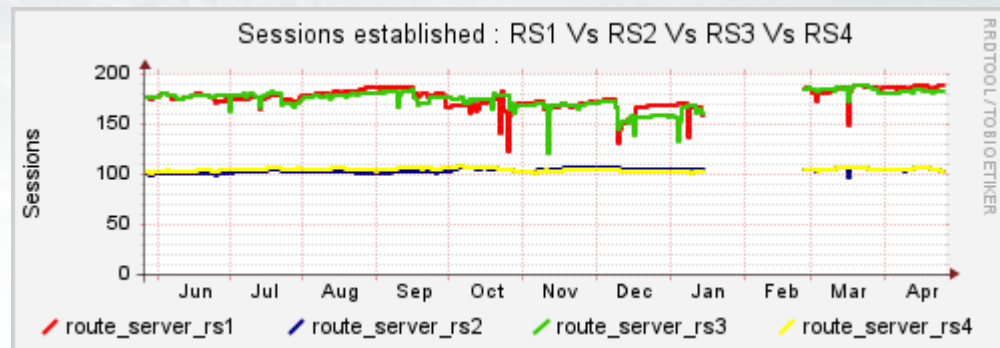
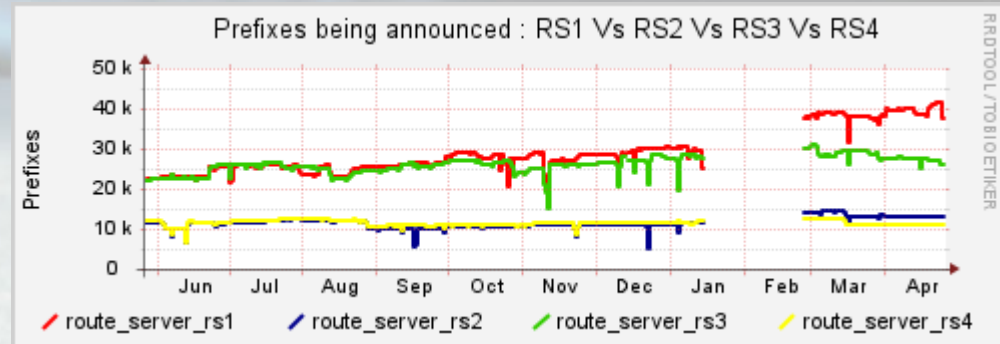


Route-Servers

- Migrated to 2 of 4 Quagga Route-Servers to BIRD
- BIRD Route-Servers proving to be stable
 - ~46k prefixes, 51% of members peer.
- Only two outages suffered since migration.
 - One was due to human error.
 - Crash due to removal of a peer.
- Route-Servers are dual-stacked for IPV6.
- Upgraded memory on all route-servers to 8GB
 - ~55% utilisation for BIRD
 - ~70% utilisation for Quagga (when stable)
- Testing of new BGP Engine for Quagga.

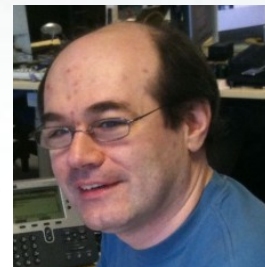
Route-Servers Statistics

- Rise in prefixes for Bird Route-Server on Brocade LAN
- Issue not replicated for Bird Route-Server on Extreme LAN
- Believe difference is due to way the prefixes are counted.
- Large gap in graphs due to removal of instrumentation.



Non-Techie things

- The LINX Head Office in Peterborough has moved.
- One Engineer left the team in February 2010.
- One Admin Assistant left and has been recently replaced.
- 2 New Engineers joined late 2009.



Social Networking

- LINX is active on...
Facebook, LinkedIn & Twitter
 - <http://tiny.cc/jqrib>
 - <https://tinyurl.com/linxontw>
 - <http://www.linx.net/LNC/linkedin>
- LINX69 – 17-18 May 2010 @ the Goodenough College, London.
 - See LINX website for details

Questions?

LINX staff here in Prague are:

- Engineering
 - Me
- Sales
 - Jennifer Atherton
- Marketing
 - Megan Nisbet

