INEX Operations Update

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- 2Gbit/s peak regular traffic in August
  - Up 200Mbps since April
  - This doesn't include bursty events
  - Of which there have been many: "Patch Tuesday", the Olympics, and other RTE streaming
- New record: Olympics (boxing) related streaming peak of 3.404Gbps in August. Previous was 2.819Gbit/sec - politics.
- 37 ipv4 / 10 ipv6 peering sessions to route collector
- 2795 ipv4 (up >200) / 14 ipv6 prefixes seen
- 17 ASNs now connecting to route servers (46% of members); 43 ipv4 prefixes, 9 ipv6 prefixes

- DEG/TCY 10GE upgrade
  - Awaiting equipment (still).
- MD5 on route server IPv6 sessions
  - Implemented in FreeBSD-STABLE kernel
  - Nick looking at implementing it on INEX
- Just a reminder: mail operations@inex.ie rather than Nick directly.
  - New ticket management system in place using Cerberus Helpdesk.
- Anything else?

- Microsoft [AS8086]
  - MS product updates are originating over INEX
  - In quarantine for a new 10Gbps port
- Akamai [AS20940]
  - Awaiting equipment
- Airwire [AS42227]
  - 2 x 100Mbps
- Interfusion [AS34912]
  - Upgraded to 100Mbps links
  - Have port on LAN #2 awaiting connection

- (Re)implementing some backend systems
  - Cacti for enhanced graphing / recording of environmental and chassis states
    - Created a Cacti template for C6500 which we will release soon (or contact us)
  - New similar Nagios plug-ins based on the same OIDs as well as new monitoring of non-core services
  - Trac for online documentation
    - Written in RST with a script to generate encrypted PDFs
    - Additional scripts to auto-generate dynamic pages

- INEX arranged connectivity
  - Metro-Ethernet thanks to ESB Telecoms
  - IPv4, IPv6 transit thanks to Packet Exchange
  - Thanks also to HEANet for equipment, Blacknight for INEX connectivity over eXpress
- "Interesting" wireless issues with >170 subscribers in one room
  - Nick will write up / present on the issues and resolutions.

That's all folks...

...any questions?