INEX Operations Update

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Some statistics

- 6.1Gbit/s peak regular traffic
  - No new traffic record this quarter
  - ~8.3Gbps on a couple of occasions in March

- 47ipv4 / 22 ipv6 peering sessions to route collector

- 2978 ipv4 / 83 ipv6 prefixes seen

- 35 ASNs now connecting to route servers (65% of members); 465 ipv4 prefixes, 75 ipv6 prefixes

Member updates

- ## New Connections
    - Fort Technologies (AS50088) (Dec '09)
    - Bitbuzz (AS49766) (Dec '09)
    - EuroTransit (AS33926) (Jan '10)
    - Airspeed (AS29644) (Mar /Apr '10)

- ## Connection Changes
    - O2 have resigned as a member (Dec '09)
    - Vodafone upgraded to 10Gb port (Feb '10)
    - E4A port move (TCY -> DEG)
    - Smart / Digiweb Consolidation

- Problems with connectivity between DUB1/DUB2
- Didn't appear during testing
  - need more thorough testing procedure!
- Symptoms seen on WDM transmission kit only
  - line stable, occasional CRC errors
  - occasional line drops on 10G 1570nm (LAN2) wave
  - regular line drops on 10G 1550nm wave (not put into production because of this)
  - Completely stable on 1G 1510 wave

- Issue eventually isolated to:
  - a compatibility problem with TPD10GBE-BU boards with HW Rev R1C and TRX100071 (CWDM) transceivers

- Start of build expected in mid Jan 2010
  - Started this month as IX delayed opening
  - InterXion have their official opening April 1st

- Cabinet, PDUs and management devices installed and awaiting fiber cross connects for commissioning

- Production switches will be added during maintenance windows to be announced.

- Route collector
  - currently a C7200VXR / NPE300
  - move to C1811
  - Lower power draw, more recent IOS support

- Done on Feburary 3rd 2010
  - 15W max power consumption
  - Automated configuration system
  - Full multi-protocol vrf support

Route Servers

- Need to upgrade to more recent version of Quagga
  - Existing and known long ASN32 path bug

- 3 x crashes on Dec 15th due to this

- Resolution:
  - Close sessions with member identified as sending the path
  - Both Quagga servers updated to 0.99.15 on Dec 23rd.

Switch swapouts

- Plan to replace Telecity LAN2 C6500 with a FES-X624
- Done on Jan 6th 2010 as planned.
- sw02 completely removed from the network on Feb 3rd.

Overall plan

- LAN2 to move entirely to Brocade kit by mid-2010
- LAN1 DEG / Telecity to stay with C6500 for 2010
- Will reconsider this later in 2010, depending on
  - formal performance testing of TI24X boxes
  - 3Y cost analysis, etc
- Planned trip to London for formal performance testing in April

That's all folks...

...any questions?