

# **TELEHOUSE/CERN Exchange Points Update NYIIX/LAIIX/CIXP**

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# NYIIX

- Location : 25 Broadway, New York
- Hardware: Foundry BI15K IronCore
- Ports : 10BASE-T HD/FD  
100BASE-TX HD/FD  
1000BASE-SX/LX
- Policy : Bi-lateral peering agreement

## NYIIX (Cont')

- IPv4 Addr : 198.32.160.0/24
- IPv6 Addr : 2001:504:1::/64 (dual stack)
- Peak traffic : 2Gbps
- Avg traffic : 1.8Gbps
- # of members : 45 (plus approx. 20 customers in queue)

# LAIIX

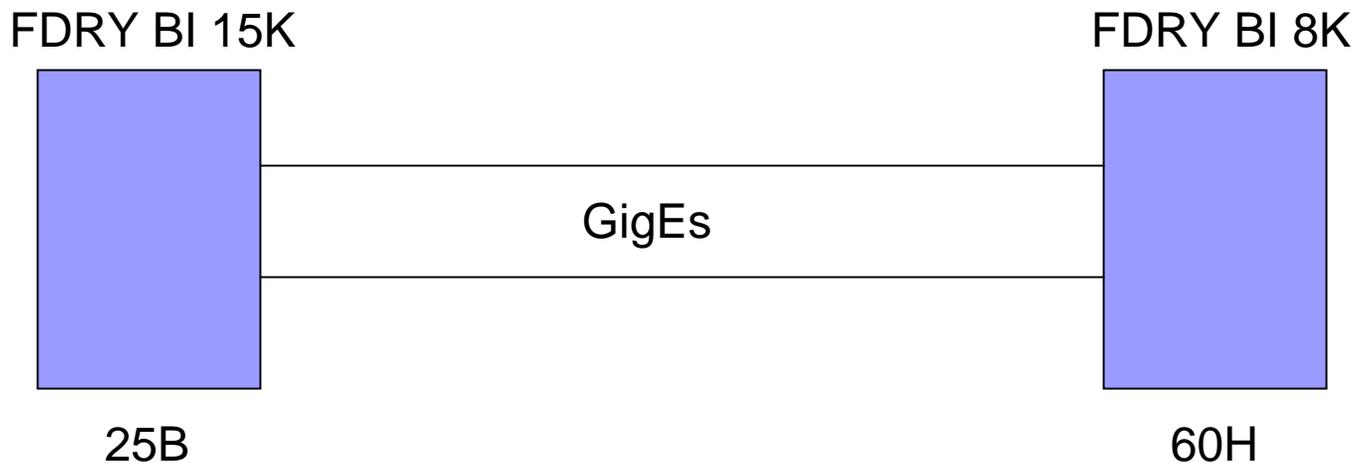
- Hardware : Cisco Catalyst 5509 and Foundry BI 4K IronCore
- Arch : LAIIX-LAAP-MAE/LA
- # of members : 18
- Supports both IPv4 and IPv6 peering

# Recent Updates (1)

- DNS F.root-servers.net mirror installed by ISC at the NYIIX and the LAIIX.
- A member can send/receive queries to/from the servers by peering with them.

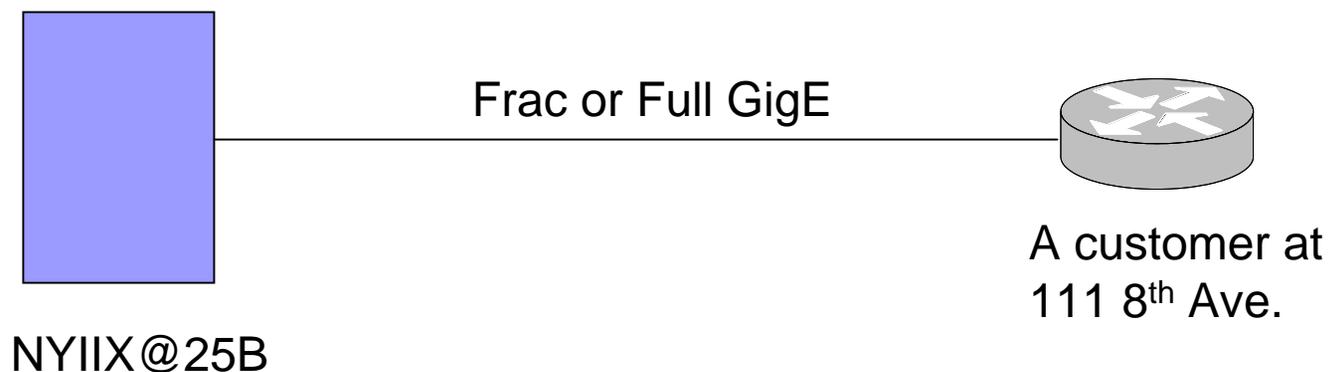
## Recent Updates (2)

- NYIIX extended to 60 Hudson in July 2003.
- Hardware : Foundry BI 8K IronCore at 60H
- Ports : 100BASE-TX or 1000BASE-SX/LX.
- Can reach any suites inside 60H.



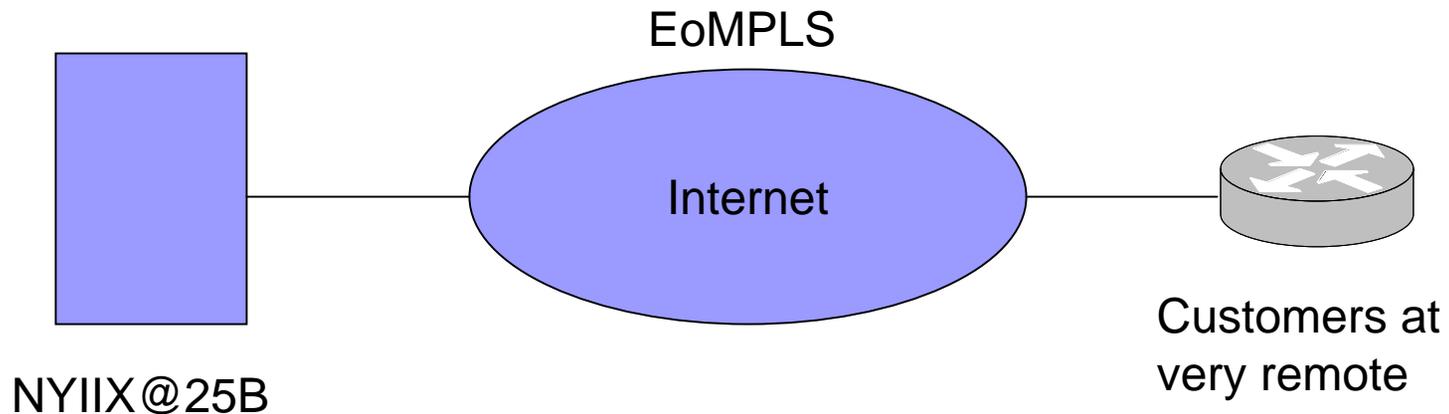
# Recent Trends (1)

- Customers at 111 8<sup>th</sup> Ave join the NYIIX via L2 transport due to recent newly reduced pricing from carriers. (Private peering inside the 111 8<sup>th</sup> via in-building fiber is very expensive solution).



## Recent Trends (2)

- Customers joining the NYIIX from *very* remote via EoMPLS.



# CIXP

- Location: Geneva (Switzerland), with two GigabitEthernet-interconnected sites
- Joint operation Telehouse Europe and CERN
- Recent operational issues:
  - Power cut at CERN on April 22<sup>nd</sup> (20 minutes)
  - CERN-Telehouse link cuts (faulty GBIC on July 20<sup>th</sup> and reconfiguration mistake on August 13<sup>th</sup>)
- Still ongoing consolidation, but also new members

# CIXP: some news

- Inter-sites VLAN service available to CIXP members
- NTP server available to CIXP members
- IPv6 assigned by RIPE-NCC: 2001:7f8:1c::/48
- Ongoing infrastructure reorganisation
- Ongoing review of the WWW pages (<http://www.cixp.ch>)

## CIXP: Telehouse brand name

- Telehouse Europe's Swiss branch is in Geneva (Telehouse Suisse S.A.)
- No relationship with the Zurich exchange (whose historical acronym is TIX- Telehouse Internet Exchange)
- This is a marginal issue: there is no reason to waste time and money, provided there is no misunderstanding

# CIXP: new logo