NYIIX Updates

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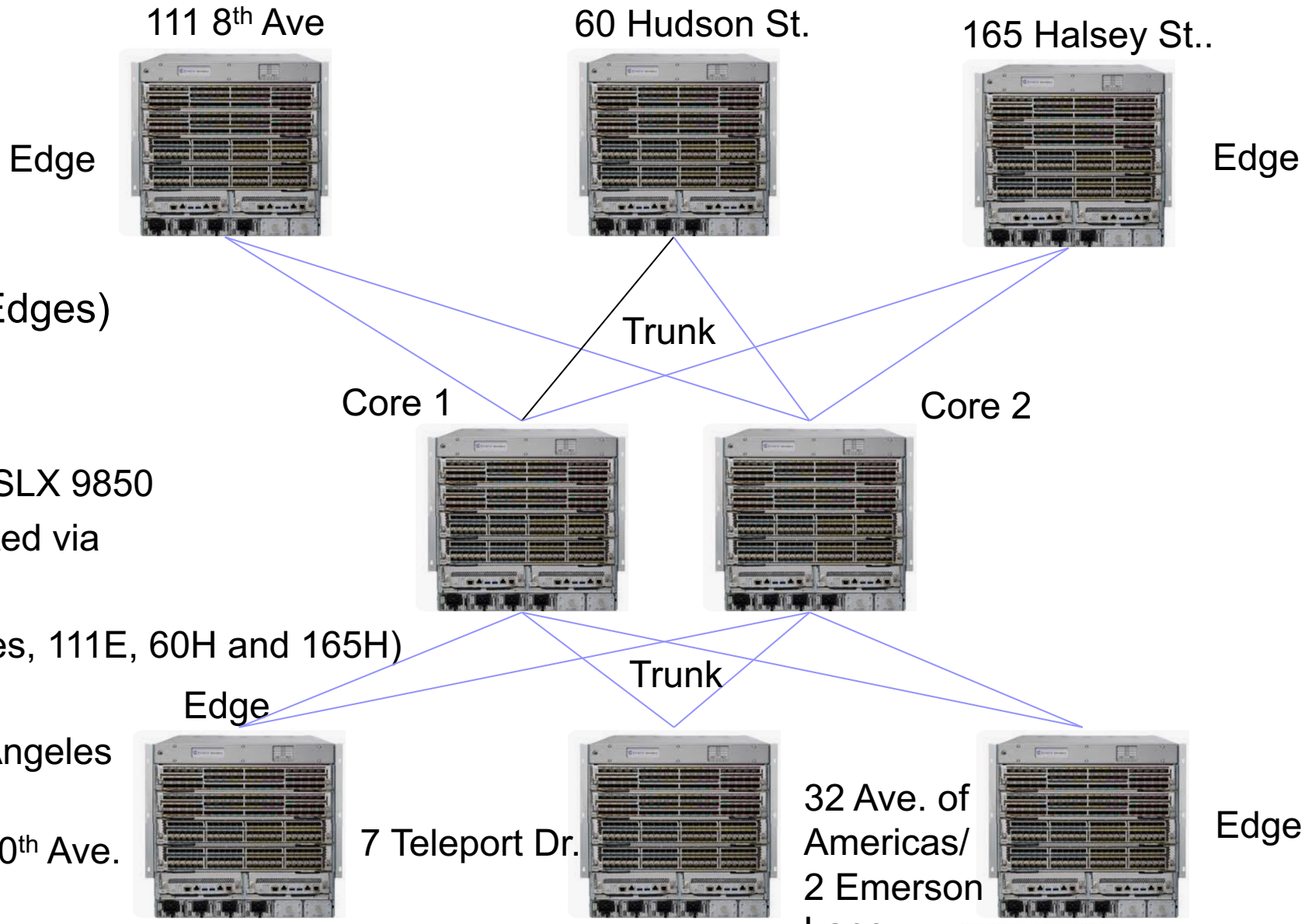
Architecture

- Star topology (Cores and Edges)
- Two Cores for redundancy
- 1 Edge per POP location
- Based on Extreme Networks SLX 9850
- Edges and Cores are connected via Dark Fiber/DWDM (Trunks)
- Trunk size (400G for large sites, 111E, 60H and 165H)
- MPLS/VPLS based
- New York, Philadelphia, Los Angeles



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Services

- 10G/100G
- Closed/Private peering over NYIIX
- Reseller program (VLANs are local significant)
- Looking Glass (lg.nyiix.net)
- Route servers (base on BIRD)
  Remote Triggered Black Hole (RTBH)
- RPKI
- Connectivity to Cloud Services (AWS, Azure, GCP, Oracle, etc.)

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Statistics

Item	Description	Note
The Peak Traffic	1.39T	For the last 30 days
The Average Traffic	1.01T	For the last 30 days
# of Unique ASNs	208	
# of Route Server Users	185	
# of the prefixes the RSs have		
IPv4	239,673	
IPv6	59,658	
(Note) As of November 14, 2022		

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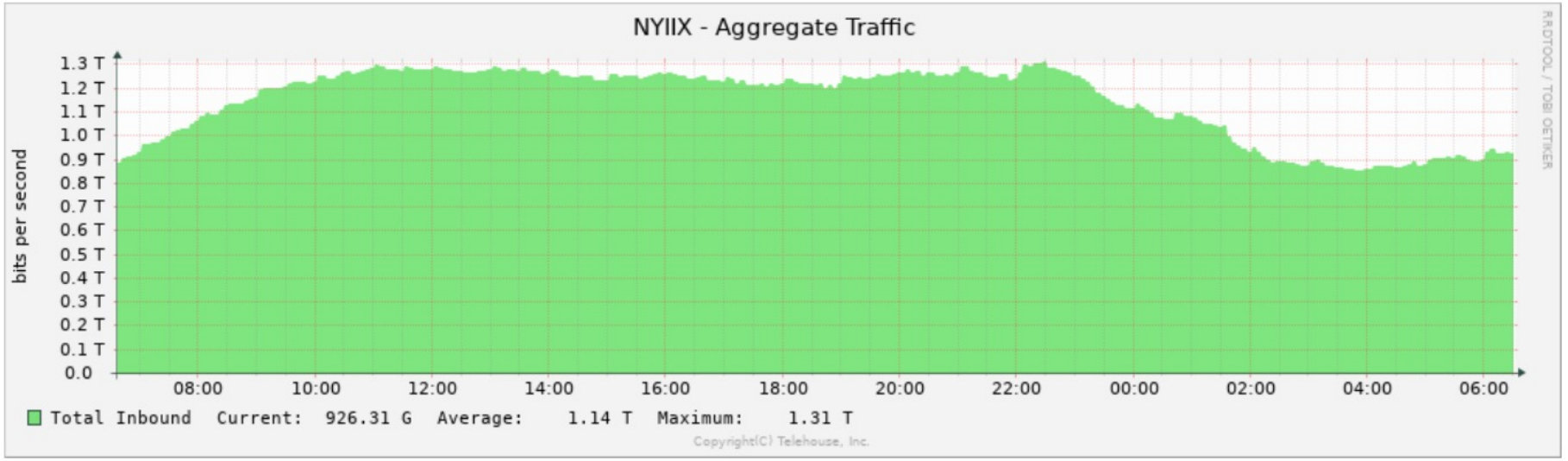
Statistics

Traffic Analysis for Entire Traffic

System: NYIIX
Contact: sugeno@telehouse.com
Type: Entire Traffic
Last update: 11/16/2022 06:40:01 America/New_York

`Daily' Graph (5 Minute Average)



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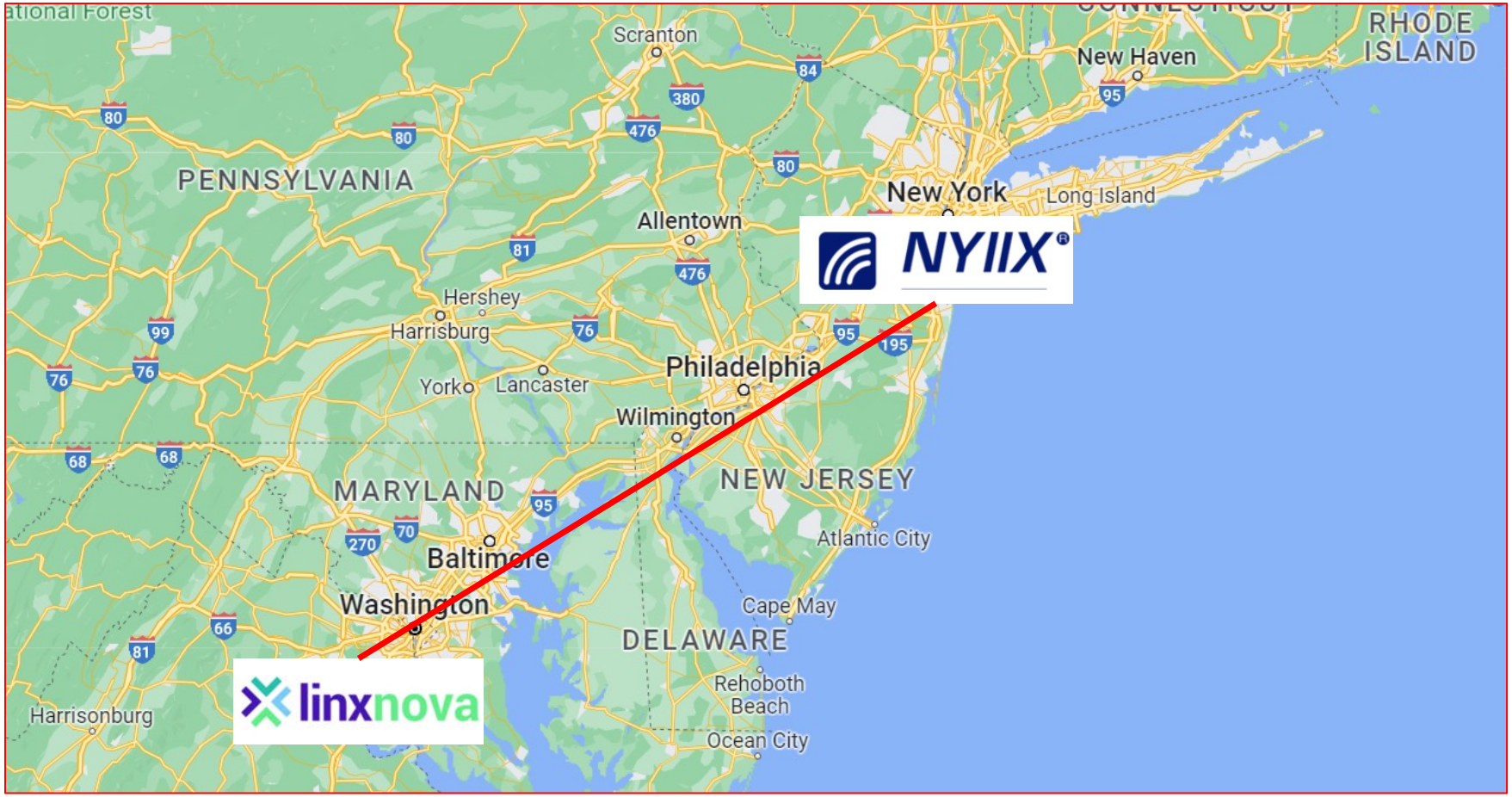
LINX NoVA

- NYIIX and LINX NoVA is interconnected
- Any LINX NoVA members can join NYIIX or vice-versa.
- Networks based in VA or further south (North Carolina, South Caroline, etc.) can join NYIIX easily.



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Platform Upgrade

- The current Extreme SLX 9850 based platform went live in 2017.
- The primary reason for the platform refresh was to support plenty of100G ports.
- 100G sales accounts for over 90% of sales now but what will be the next?

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Platform Upgrade

400G Support

- Our existing and/or potential members are requesting to support 400G.
- Need to provide a road map or schedule to support 400G.
- Extreme have no plan or schedule to support 400G for SLX 9850.
- Currently we are evaluating two vendors who can support 400G.
- Planning to support 400G in 2024.
- The issue is the lead time of hardware (12 months?)
- Please let me know if you would like to share your 400G deployment schedule with me.

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New NYIIX POP

- Adding a new NYIIX POP to Equinix NY2 at 275 Hartz Way, Secaucus NJ.
- The POP is approved by Equinix.
- The agreement has already been fully executed and the project is now official.
- PR will be scheduled to go out in December.
- Service-in date is 1Q 2023.
- Any networks at 275H or 800S can join NYIIX via intra or inter building cross connects.

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Thank you very much!

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