LINX Product Update

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LINX120

1GE Ports Update

1GE Member Ports

- We announced our plan to end support for 1GE physical ports at LINX114 (November 2021) with the introduction of the new pricing model
  - 10G Port with 1Gbps Peering Service as replacement, and included in your membership fee

- No new 1GE Port orders starting January 2022

- Target to fully end support for 1GE ports by January 2024

1GE Ports

- Discontinue new sales of the 1GE over 1GE fabric product
  - Existing members will be allowed to order if needed for a short time
- Allow members to maintain their old single 1GE ports and upgrade to 10GE fabric over time
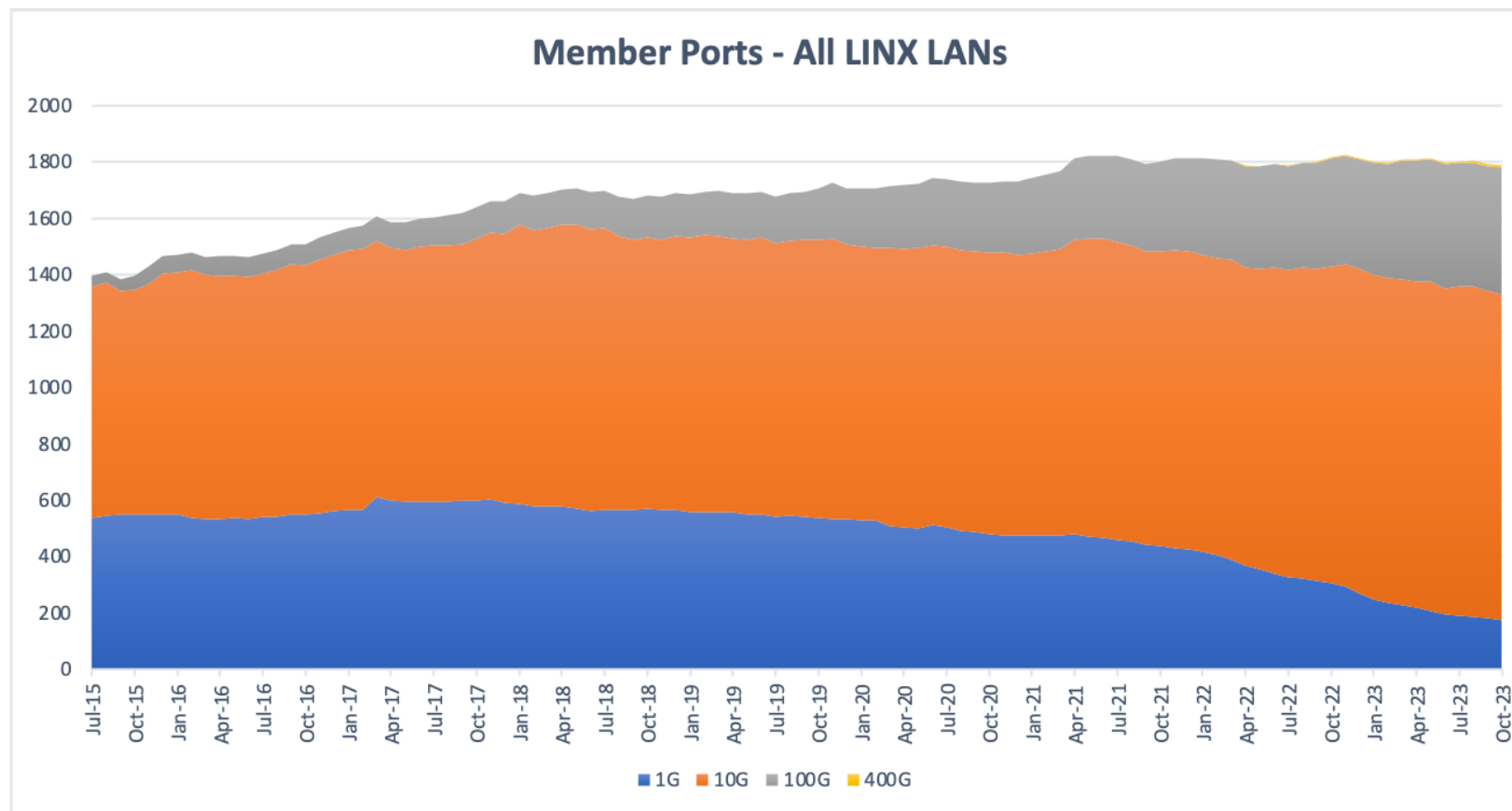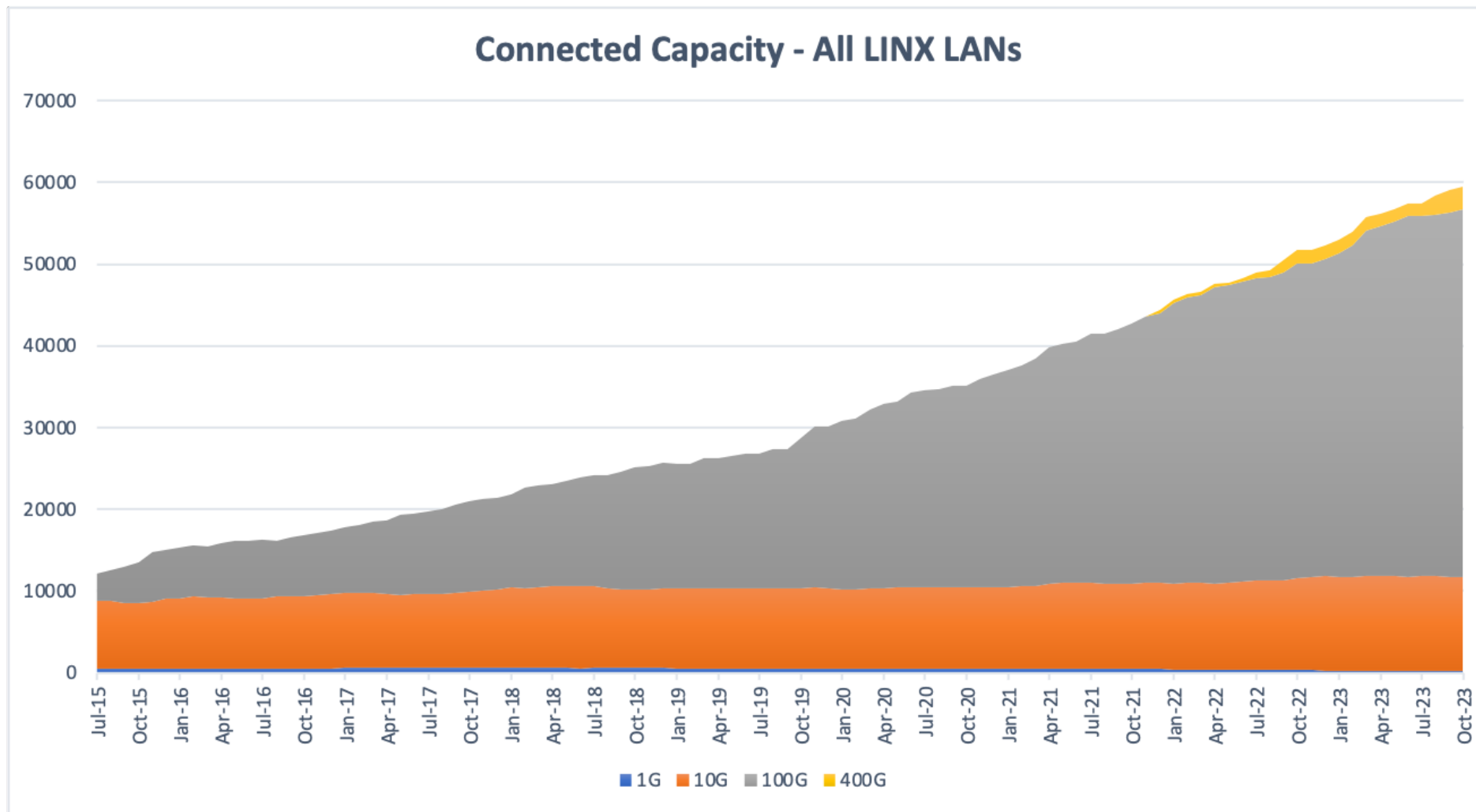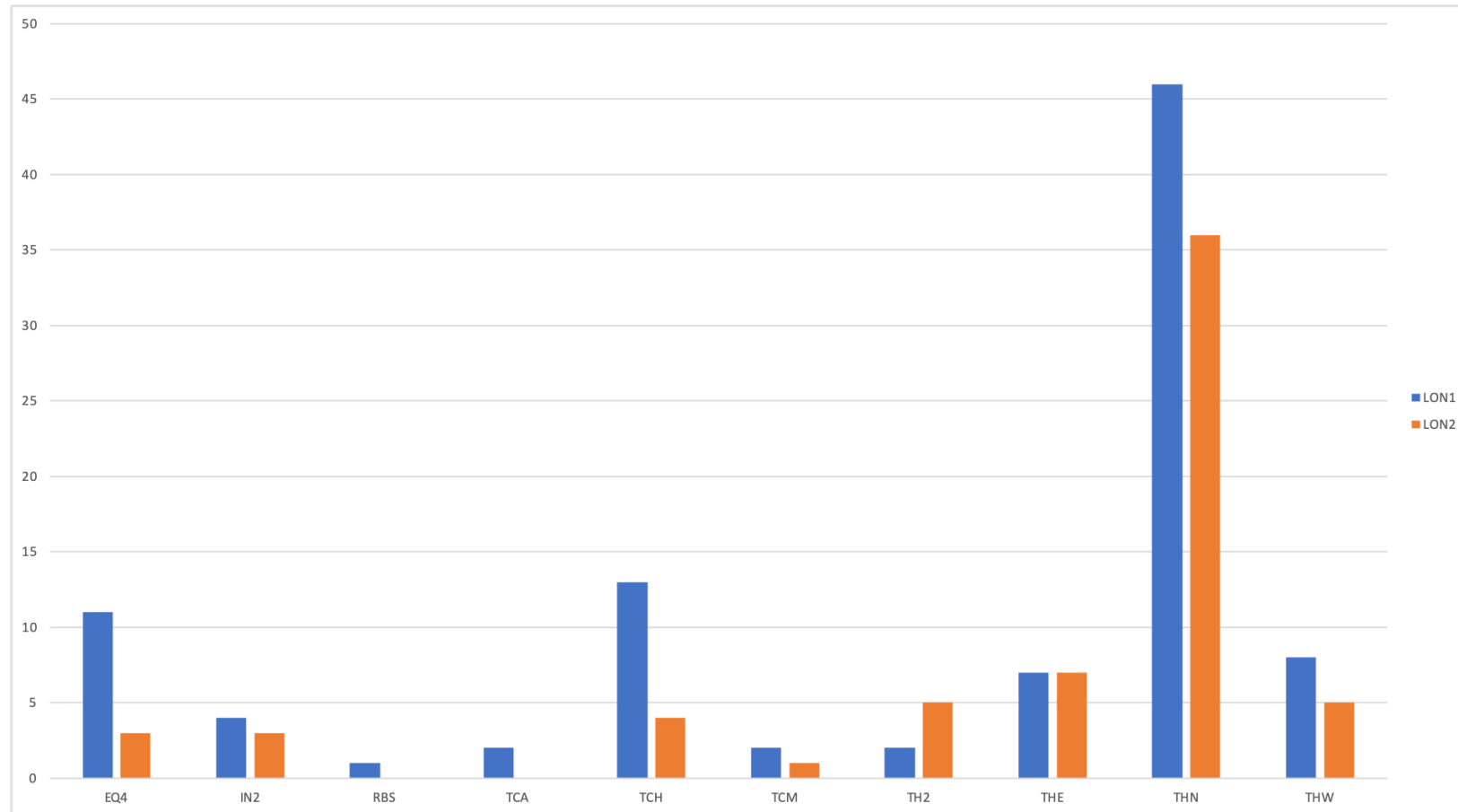 - Deadline for upgrade January 2024

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LINX114

1GE Ports – Some Stats

- July 2015
  - 1G: 537
  - 10G: 824
  - 100G: 34

- October 2023
  - 1G: 176
  - 10G 1156
  - 100G: 450
  - 400G: 7

Member Ports - All LINX LANs

Legend: 1G, 10G, 100G, 400G

Connected Capacity - All LINX LANs

1GE Ports by Site (LON1, LON2)

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What are the current plans?

- We do not cancel ports in sites where we have Equipment which can support 1GE ports

- Some of the new platforms do no longer offer 1GE support and would require dedicated Edge routers only for 1GE ports, which does not make commercial sense in sites with only a handful of ports.

- LON1: Small number of sites with very few 1GE ports will lose support for 1GE in Q1 2024

- LON2: TCA and TCM will lose support for 1GE ports in the second half of 2024

- LINX NoVA: Will lose support for 1GE ports in Q1 2024 (only 3 ports impacted)

- LINX Sales will be in direct contact with impacted members in each case.
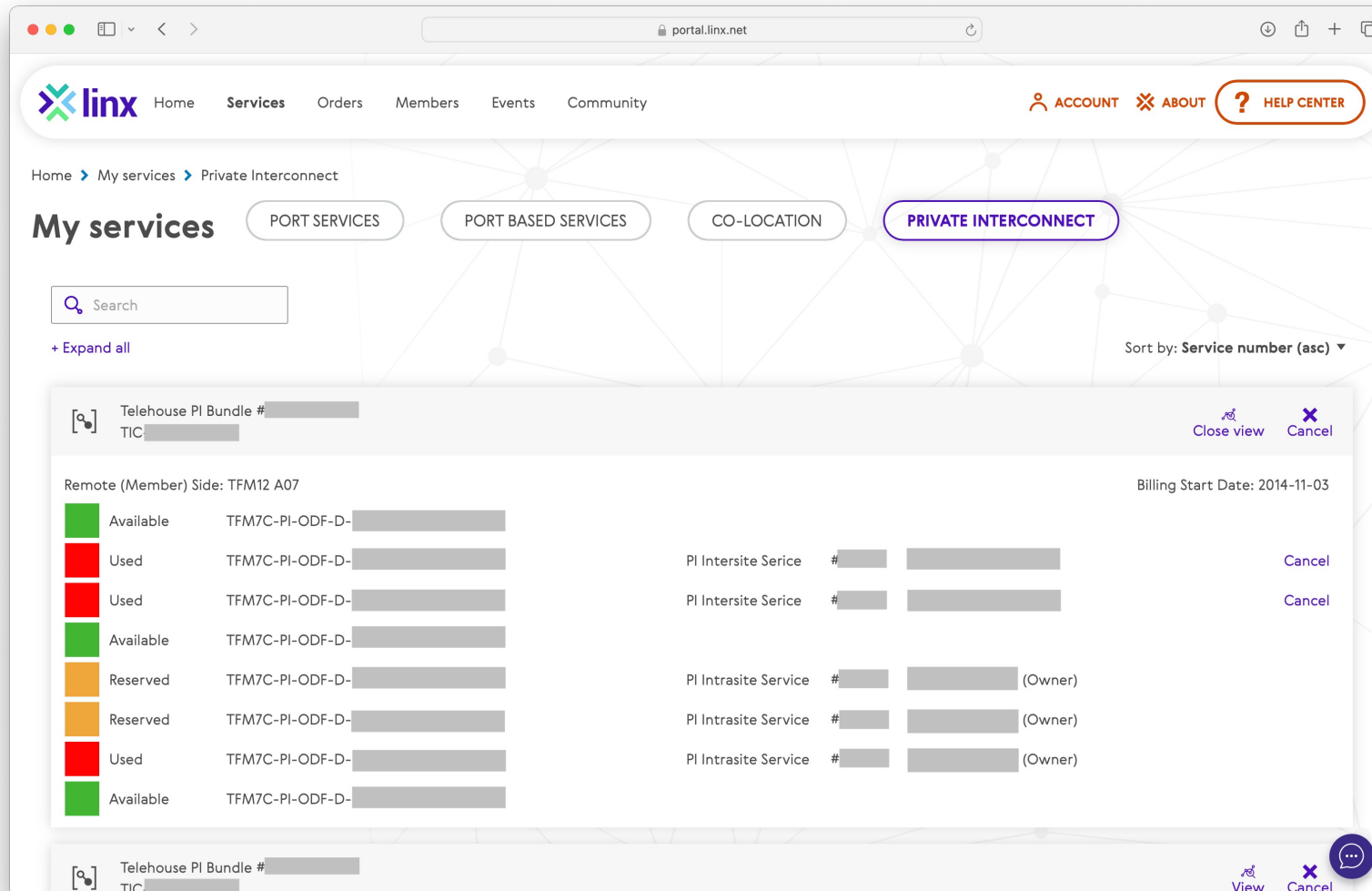
Portal Updates

Hybrid Automation

- Order which required manual intervention (i.e. Port allocation, patching etc) are now also using the automation framework and Order Management system
  - Services get automatically created in the back-end systems
  - Once manual tasks are completed, automation picks up again to complete configuration
  - Different stages of the order visible for the user in the portal

- Orders for all port-based services are now fully automated

- Changes and cancellation for all port-based services will also be fully automated this quarter.

Private Interconnect Services

- Port details for PI Bundles
- Showing B-end member
- Showing owner of connection

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Other improvements

- **Colocation and Cabling Services**
  - Improved Page Layout
  - Additional date for each service shown
  - Power allocation and contract details will be added soon

  - Further improvements coming in 2024

- **Member Invoices**
  - Layout improvements
  - Additional information show based on type of service

  - Scheduled for Q1 2024

Product Updates

DDoS Mitigation

- **Remote Triggered Black Hole**
  - Standard Implementation as used by a number of IXPs
  - While limited in capability, still a valuable tool during large scale attacks
  - Launch planned for early Q1/2024

- **Scrubbing-based, enhanced DDoS mitigation**
  - Working with third-party
  - More details coming soon
  - Limited launch on London LANs planned for 2024

Private VLAN and Cloud Connect

- **Private VLAN**
  - QinQ support added in 2023
  - Available now also for ordering between two ports owned by the same member
  - Allow for larger MTU sizes planned for 2024

- **Cloud Connect**
  - Currently covering: Azure Express Route, AWS Direct Connect and Google Cloud Interconnect

  - Backend systems changes to allow simpler process to expand to other CSPs
  - Expansion driven by member demand

Microsoft Peering Service (MAPS)

- Done in direct partnership with Microsoft

- Provides direct peering with AS8075

- Fully resilient setup, using dedicated Router Servers and direct, local Interconnects with Microsoft

- Launched on LON1 in 2022

- Expanded to LINX Manchester and LINX NoVA during 2023

- Evaluating further expansion in 2024

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Questions?

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