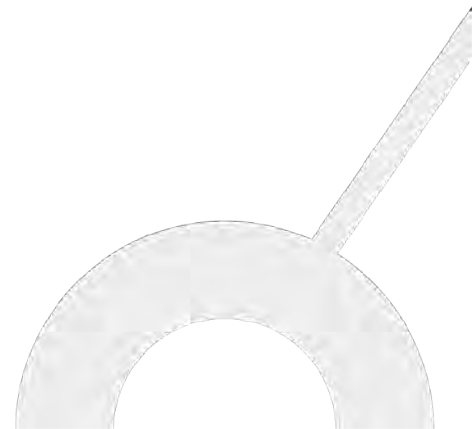# AMS-IX update

EPF '23 – Prague

amsix

Better society through better internet

It's keeping us busy...

First PoP migrated to Juniper, today we start with the second!

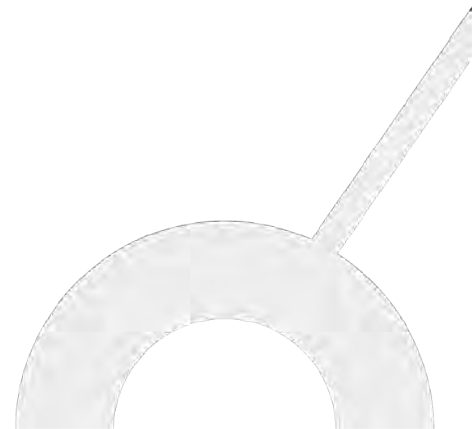# Better society through better internet

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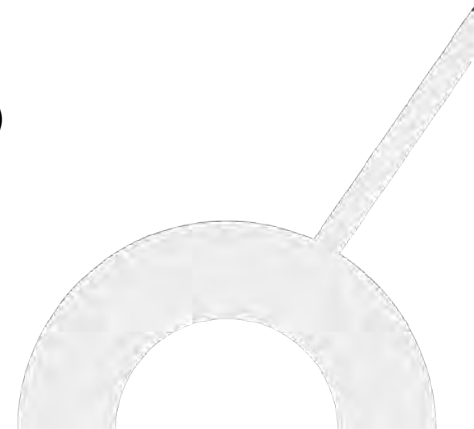
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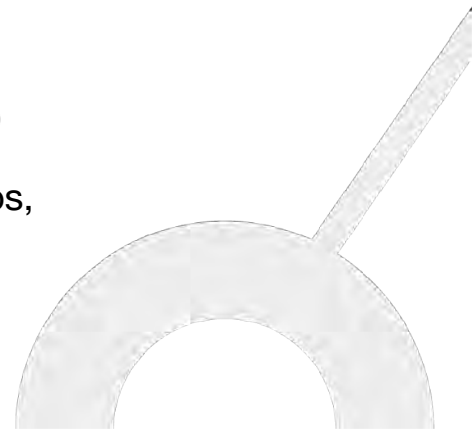First PoP migrated to Juniper, today we start with the second!

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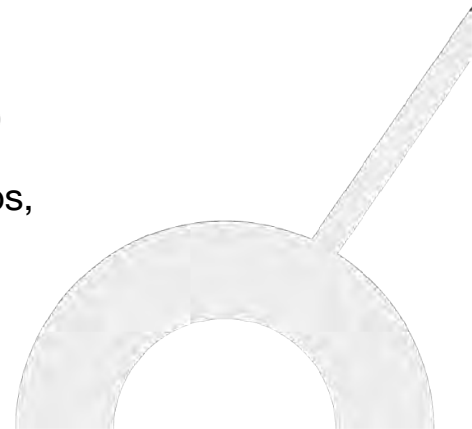
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Collaborate with existing IX's

2023 Scenario: The market for data connectivity is evolving and changing the dynamics within the Internet Exchange landscape.

Market dynamics

- Peering = Commodity
- Pricing is decreasing, also with IP Transit
- More IXP initiatives popping up globally
- Consolidation in DC market
- Hyperscalers investing heavily in (subsea) connectivity

Scaling is needed

- To increase the value of the ecosystems
- To increase customer value
- To stay relevant

Current

Option 1
Single IX approach

Option 2
Cooperative approach (Cross-IX)

www.franceix.net

amsix

NET NOD

Cross-IX:
Creating value for multiple Ecosystems, in a collaborative way

1. Lower barriers to reach more networks
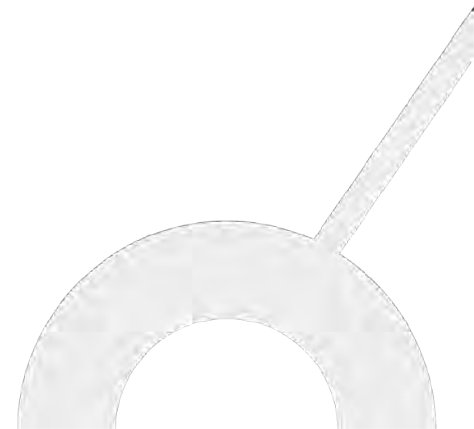2. Utilise existing relationships and contracts
3. Utilise existing ports (spare capacity)
4. Specifically designed for smaller volumes

Aiming to start collaboration before the end of 2023
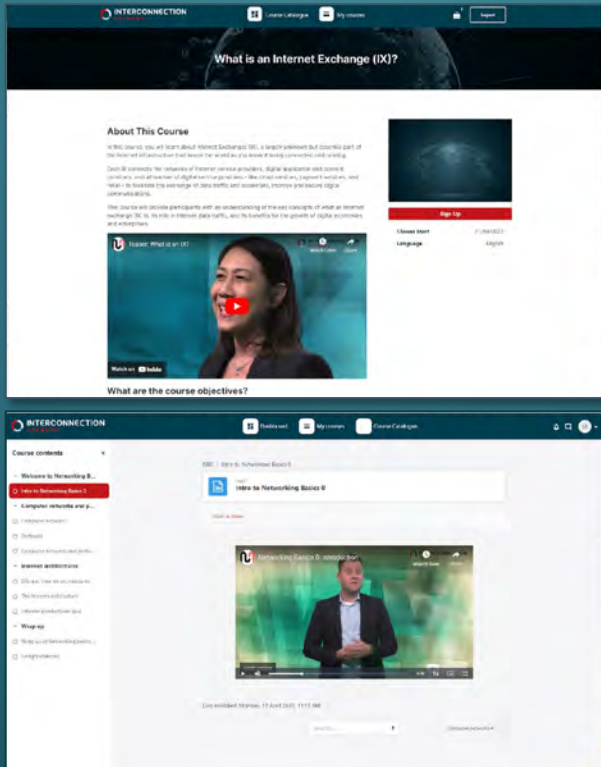
Have a great EPF '23!

amsix

EPF 2023 – status quo

Ivo Ivanov – CEO Thomas King – CTO
September 2023

Building & strengthening tomorrow's community
Interconnection Academy – the knowledge exchange

For…

- Seasoned professionals looking to sharpen their skills on Interconnection topics
- Student from technical degrees eager to specialize on Interconnection
- Other business stakeholders: Data Centers, enterprises, etc

By… DE-CIX, Universitat Pompeu Fabra (UPF Barcelona), YOU and any expert of our industry eager to join the initiative and share their knowledge on selected topics

With…

- Evolution of the Massive Open Online Courses format (MOOC), on moodle
- Short videos, Quizzes
- Blockchain-verifiable certificate (coming soon)
- Free of charge

INTERCONNECTION academy

OPEN — **What is an Internet Exchange?** A 360° introduction: technical fundamentals and impact on enterprises

OPEN — **Networking Basics 0** Introduction to networks and protocols

Networking Basics I Ethernet, VLANs and IPs

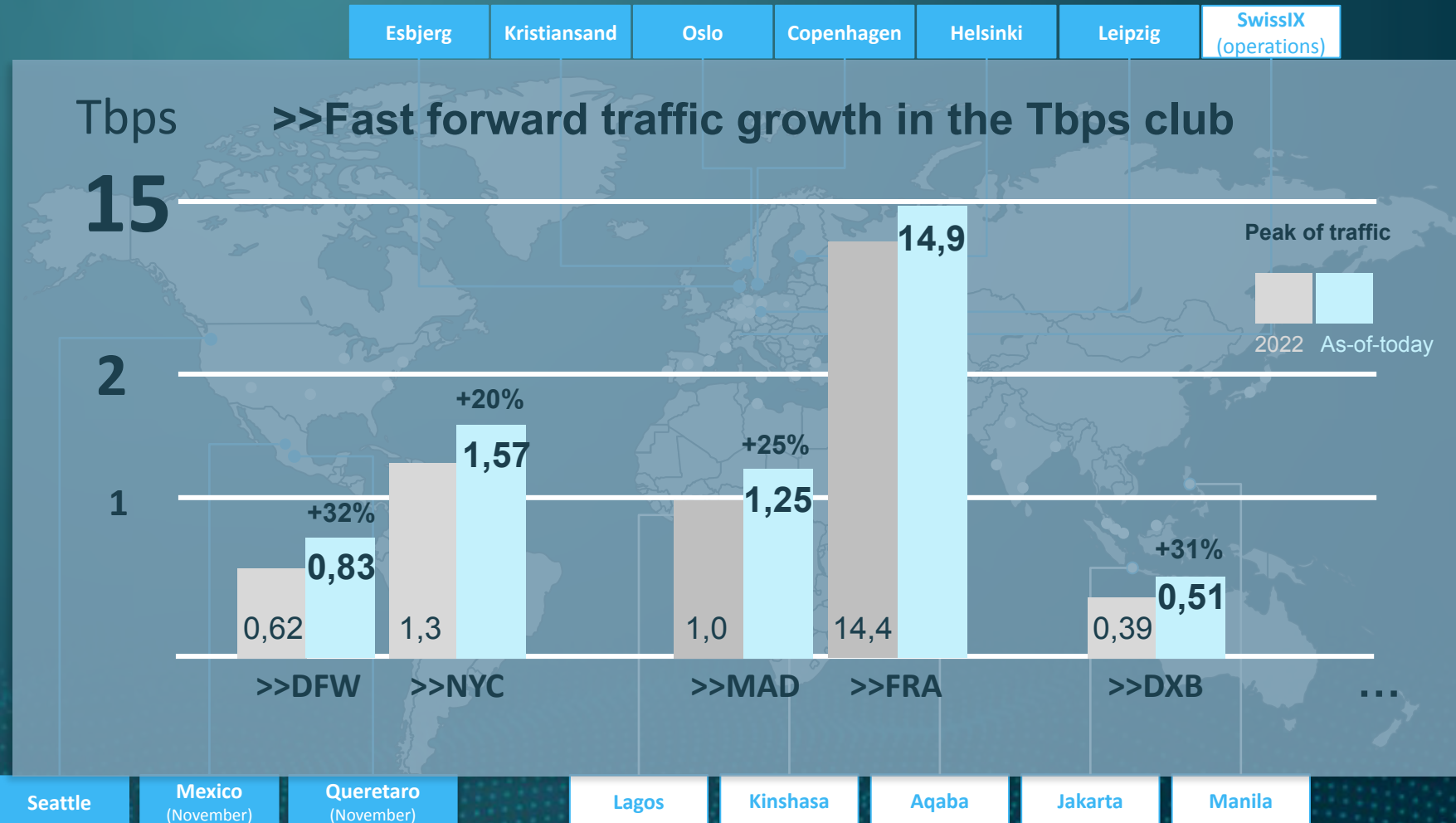**IX Trends and Innovations** Emerging technologies shaping the Internet

Border Gateway Protocol (BGP) Routing packets on the Internet

Building & strengthening today's interconnection infrastructure
15 new locations in operations

Esbjerg	Kristiansand	Oslo	Copenhagen	Helsinki	Leipzig	SwissIX (operations)

Tbps

>>Fast forward traffic growth in the Tbps club

15

14,9

Peak of traffic

2022   As-of-today

2

+20%

1,57

+25%

1,25

1

+32%

0,83

+31%

0,51

0,62   1,3   1,0   14,4   0,39

>>DFW   >>NYC   >>MAD   >>FRA   >>DXB   …

DE CIX

Seattle	Mexico (November)	Queretaro (November)		Lagos	Kinshasa	Aqaba	Jakarta	Manila

Own built

partnership

New services & technical features enabled at all or multiple DE-CIX locations
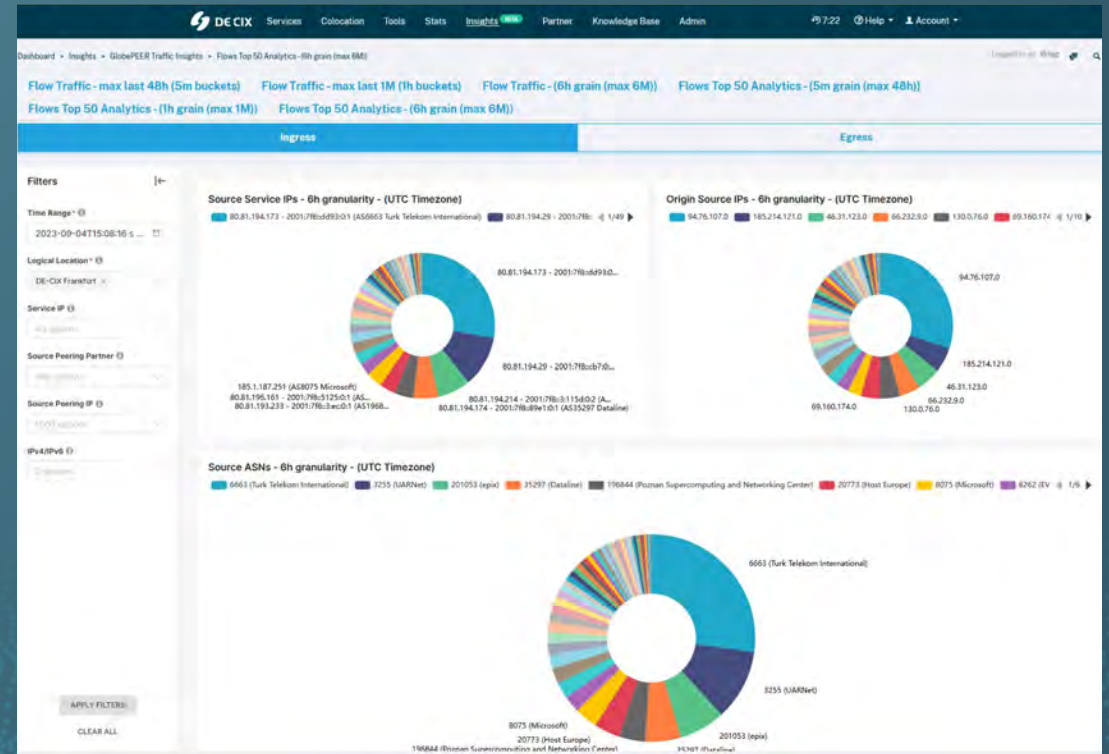
Microsoft Azure Peering Service available @ **22** DE-CIX locations

CHI, DAL, NYC, PHX, SEA, LIS, BCN, MAD, MRS, AMS, DUS, FRA, MUC, OSL, CPH, HEL, IST, DXB, MUM, CHE, KUL, SIN

+ New functionalities on the portal
New traffic stats for Access port & different interconnection services

DE CIX

Thank you!

We make interconnection easy. Anywhere.

LINX Update

Kurt Erik Lindqvist
CEO

Monday 11th September 2023
European Peering Forum

News

Expansion of MAPS
- MAPS now available at LINX Manchester and LINX NoVA in addition to London
- Simplest and fastest way to get direct peering with Microsoft (AS8075), independent of traffic levels or any other policy requirements
- Smaller prefixes than /24 also possible if needed

Atlas Edge Strategic Partnership
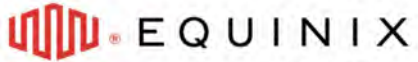- LINX will expand LINX Manchester to Atlas Edge's Salford site

LINX Nairobi
- ADC announced as our second datacenter partner in Nairobi
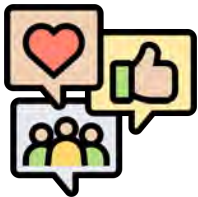- Also announced a strategic partnership to explore digital growth in Africa

News

LINX NoVA
- LINX and Equinix have announced that we are extending LINX NoVA to Equinix Ashburn IBX
- Nokia selected as partner for the refresh of the LINX NoVA platform

LINX Portal
- Self-service and automation expanded

Focus on high member engagement
- Sessions with members on future LINX direction and strategy
- Will continue with these sessions and engage with memers
- The membership survey is open!

linx

Thank you

📞

✉

linkedin.com/company/linx/

facebook.com/LondonInternetExchange/

twitter.com/linx_network

youtube.com/user/LINXnetwork
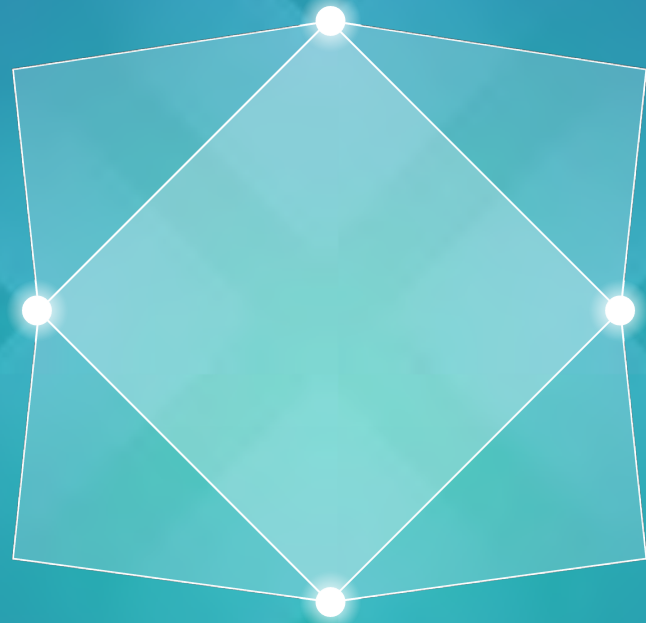
Netnod update EPF 2023

Karin Ahl, CEO, Netnod

The largest IX platform in the Nordics

- Market leader in Nordics

- Exchange local traffic, and easily scale across region

- Built for robustness: 100% uptime since 2002

- Value added services:
  - Netnod Time Direct
  - Closed User Group
  - Peer across Nordics with one port (Remote IX)
  - Cross-IX

Shaped port

Pay only for the capacity you need with a flexible connection that scales with your network

Remote IX

Use one Netnod IX port to peer throughout the Nordics

Metro access

Get fully managed, immediately provisioned point-to-point transport in metro areas with multiple, redundant routes

Netnod Time Direct - time-as-a-service

- ■ A fully managed time service with SLA that guarantees 30μs accuracy from UTC

- ■ Delivered over cross-connect or IX port

- ■ Immediate provisioning and easy integration with current setup

NETNOD CLOCK NODE　　　　　**DATACENTER**　　　　　**CROSS CONNECT**
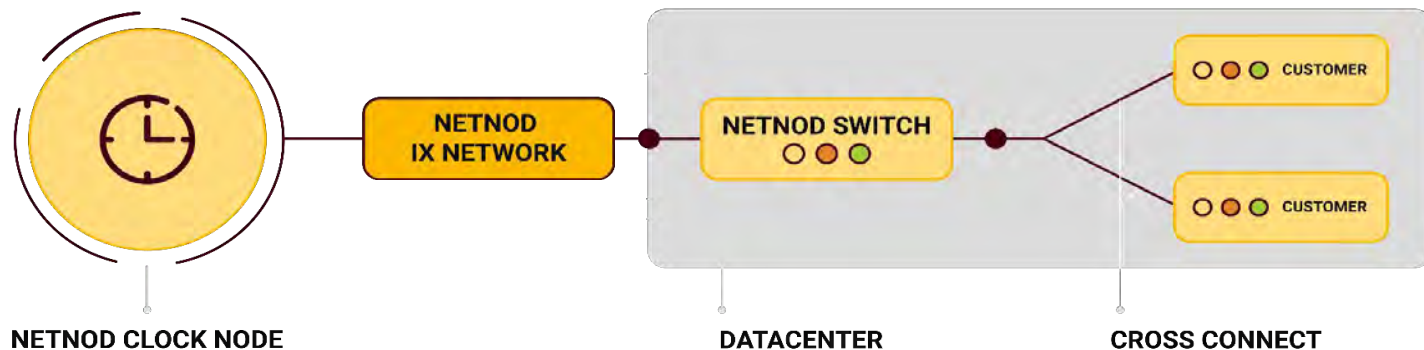
Netnod IX Stockholm

- Largest IX in Nordics

- 195+ networks

- 2+ Tbps peak traffic

Netnod IX Copenhagen

- Fastest growing IX in the region

- 60+ networks

- 475+ Gbps peak traffic

- Malmö / Copenhagen interconnected with multiple, redundant paths

Patrik Fältström, team leader for Team Sweden-Iceland, Major in the Swedish Armed Forces, and Head of Security at Netnod.

Thanks for listening!

netnod.se