Netnod Updates

15 June 2022

Emil Palm, Netnod

Interconnecting the Nordics

- Peak traffic >2 Tbps
- 200+ connected ASNs
- 100% uptime since 2002

New IX

Netnod IX Helsinki

LULEÅ

SUNDSVALL / GÄVLE

HELSINKI

OSLO

STOCKHOLM

GOTHENBURG

COPENHAGEN/MALMÖ

NET NOD

Netnod IX Helsinki – launched March 2022

3 PoPs:

- Digita Helsinki Pasila

- Equinix HE7
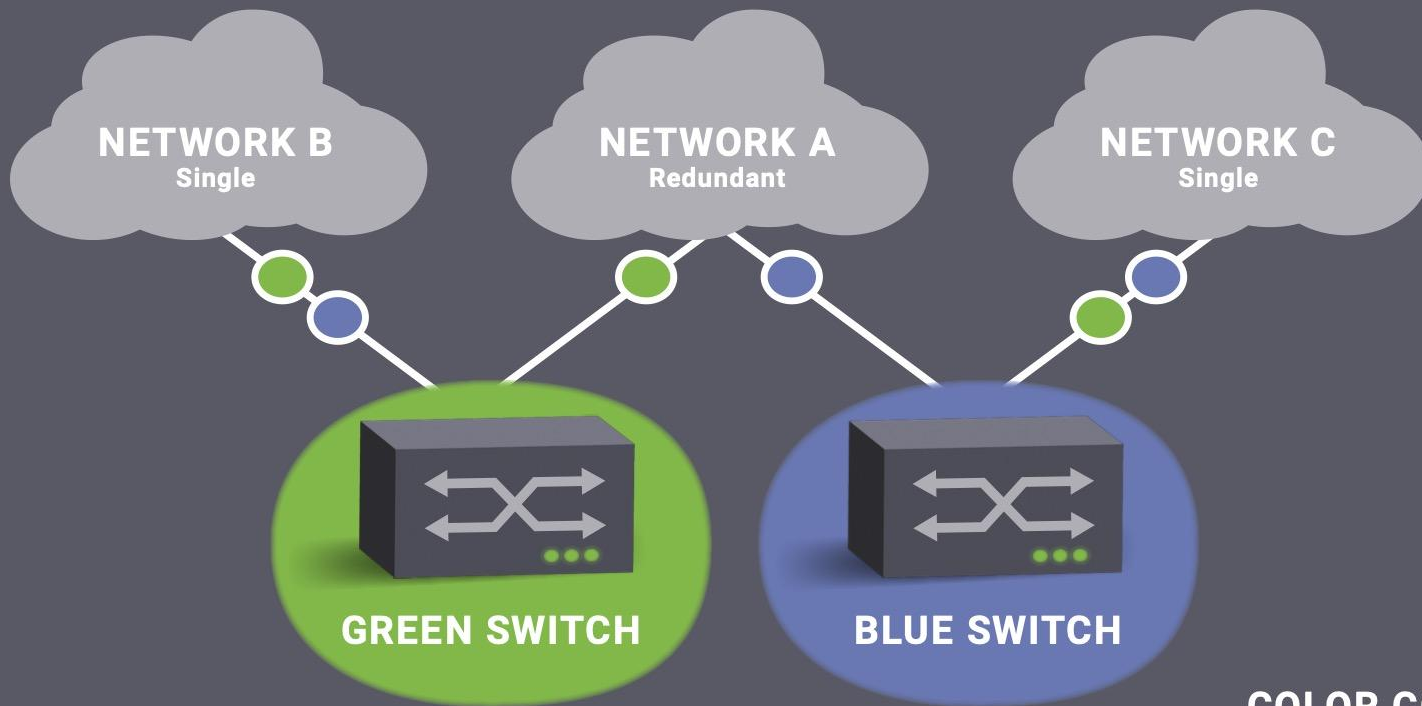
- Telia Helsinki

Netnod IX Helsinki – special offer

IX port (up to and including 100GE)

No set up or monthly fee

Free of charge until 1 February 2023
+
Free 1-10G Remote IX connection
(until 1 February 2023)

Interconnecting the Nordics

- WDM transport

- Shaped Port

- Remote IX

NETNOD

YOUR NETNOD PORT

- LULEÅ IX
- SUNDSVALL IX
- HELSINKI IX
- OSLO IX
- STOCKHOLM IX
- GOTHENBURG IX
- COPENHAGEN IX
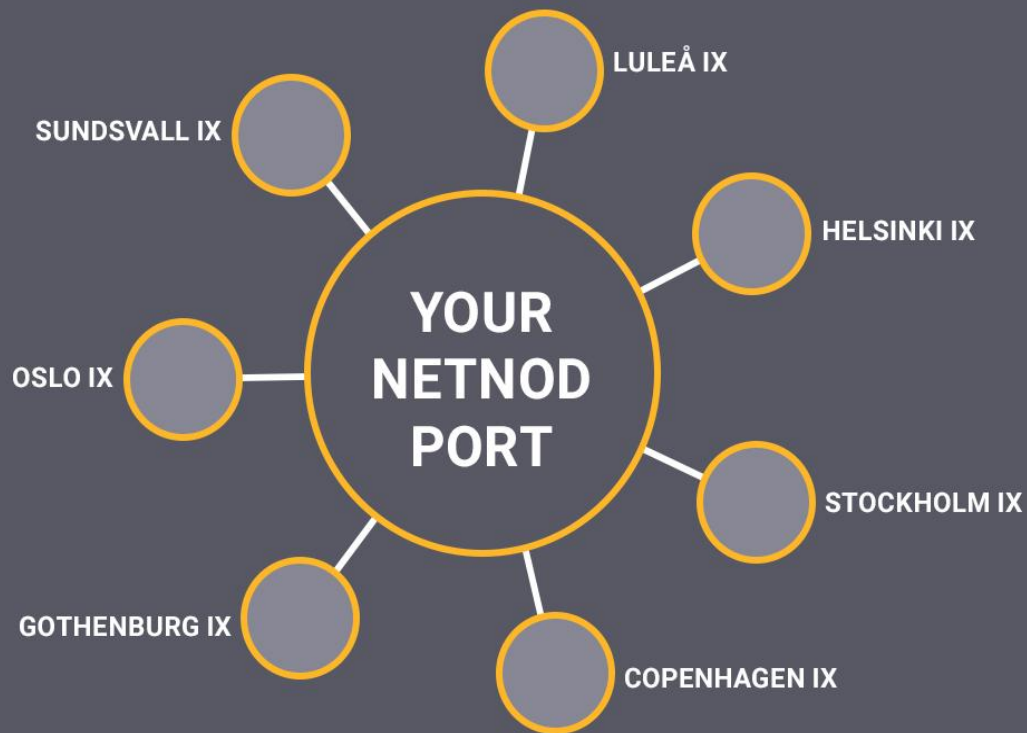
- Use your existing port

- No extra cross-connect, colo or hardware costs

- Secure transport

- Full redundancy

- 10G prices from **475 EUR** per month

Amsterdam
Bangkok
Chicago
Dubai
Frankfurt
Helsinki
Geneva
Hong Kong
Kathmandu
London
Paris
Palo Alto
São Paulo
St. Petersburg
Stockholm
Tokyo
Washington DC

70+
GLOBAL DNS LOCATIONS

NET NOD

Time and Frequency services

NTP, NTS and PTP

Time and frequency

- Netnod distributes Swedish time UTC(SP)

- Redundant time nodes with Caesium clocks in 5 locations in Sweden

- Network Time Protocol (NTP) service - free for anyone

- Network Time Security (NTS) - developed standard and one of first implementations
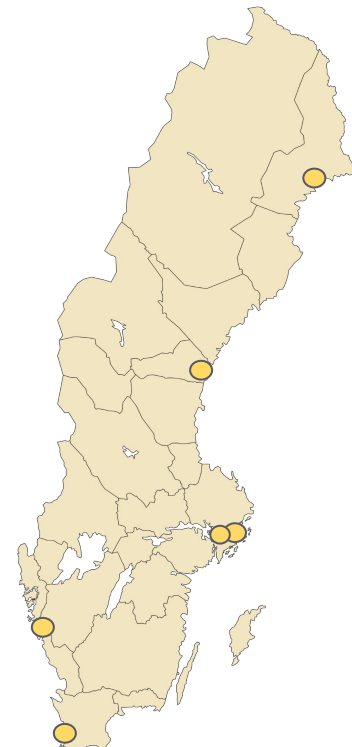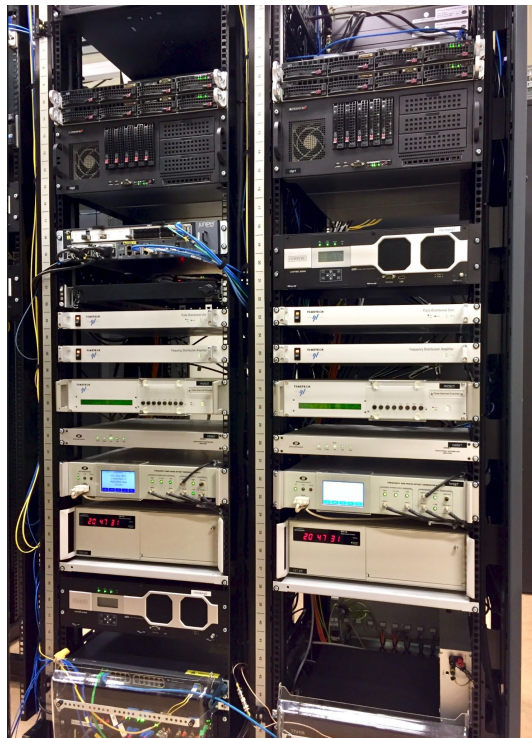
Precision Time Protocol Service

White papers and best practises

- **Best practises**
  - **How to connect to NTS**
  - **NTP best practices**

- **White Papers**
  - **How does NTS work and why is it important?**
  - **The world's first hardware implementation of NTS**

- **Industry presentations: NTS in an FPGA** (RIPE 84)

NET
NOD

ROUTE SERVER
SUPPORT FOUNDATION

NET NOD

OpenBGPD - is live

- Went live last week.
- Running OpenBGPD 7.3 on Debian Bullseye
- Available in the looking glass
  https://lg.netnod.se - AliceLG 5.1.0

Customer Portal

Now
- See traffic stats per port
- Bit errors, light levels for troubleshooting
- Invoices and contracts
- Easy access to technical details

Later
- Upgrade your ports
- Order new services

Please let us know what you would like to see!

About Netnod

- A neutral, Internet infrastructure organisation

- Largest IXP operator in the Nordics

- Manages I-root, one of the world's 13 root name servers

- Provides DNS services to TLDs, including some of the largest ccTLDs

- Provides time and frequency services (Swedish national time, Network Time Security)

netnod.se
Greta Garbos Väg 13, 169 40 Solna, Sweden
info@netnod.se