## Netnod EIX@RIPE47

Kurtis Lindqvist

<kurtis@netnod.se>



#### Netnod

- Based in Stockholm
- Operates Exchanges in Sweden
  - Stockholm DPT 2.5G
  - Stockholm GE
  - Malmö GE
  - Gothenburg GE
  - Sundsvall DPT622
- Daugther company Autonomica also operates i.root-servers.net



## News

- Planning a new exchange in Luleå
  - GigE based
- Did you notice the lack of FDDI on the last slide?
- Private VLAN service will be offered
- We will upgrade Stockholm to 10GigE
- And migrate Sundsvall to GigE
- Second port for 50%



#### News

- General terms and conditions are being updated
  - We will try and arrange a meeting for this
  - Tries to better reflect reality and wishes from the ISPs
- We will try and migrate away from DPT 2.5G
- TPTEST updated
  - You probably want to make sure you peer with Netnod



## Financials

- On advice from our accountants
  - We changed the depreciation period
  - Depends on court ruling on taxation
- This means that we are late with the results for 2003 (preliminary)
  - But we are looking ~1.5M SEK profit
  - Compared to budgeted loss of ~1,5M SEK
- Budget for 2004 is also done completed



# Services provided at Netnod

- NTP
  - Distribution of the official Swedish time
- .SE/.DK/.DE/Verisign/.NL
  - -Lot's of other TLDs
- i.root-servers.net
- RIPE DB mirror
- TPTEST



## Membership

	GigE	SRP2.5	SRP622
Stockholm	32	8	6
Gothenburg	10		
Malmö	9		
Sundsvall			7



## Total traffic 24h

QuickTime<sup>™</sup> and a TIFF (Uncompressed) decompressor are needed to see this picture.



## Total traffic growth

 $\begin{array}{c} QuickTime^{TM} \ and \ a \\ TIFF \ (Uncompressed) \ decompressor \\ are \ needed \ to \ see \ this \ picture. \end{array}$ 



## Total traffic Stockholm GE

 $\begin{array}{c} QuickTime^{TM} \ and \ a \\ TIFF \ (Uncompressed) \ decompressor \\ are \ needed \ to \ see \ this \ picture. \end{array}$ 



## Total traffic Malmö GE

QuickTime<sup>™</sup> and a TIFF (Uncompressed) decompressor are needed to see this picture.



## Total traffic Gothenburg GE

QuickTime<sup>™</sup> and a TIFF (Uncompressed) decompressor are needed to see this picture.



## i.root anycast status

- Installed
  - Stockholm
  - FICIX
  - MIX
  - LINX
- Not operational
  - NOTA
  - PAIX

- Planned
  - CIXP
  - AS702
  - Tokyo
  - Singapore
  - Moscow
  - Johannesburg
  - Washington DC
  - DE-CIX



## i.root

- We are still looking for more interested parties
- Although less in Europe
- Interested? Contact me!







## Contact

#### Netnod Internet Exchange i Sverige AB

Bellmansgatan 30<sup>1</sup> SE-118 47 Stockholm Sweden

Office address: Bellmansgatan 30<sup>1</sup>

Telephone: +46-8-615 85 70

Telefax: +46-8-442 09 67

E-mail: kurtis@netnod.se

URL: http://www.netnod.se/

