

# Netnod

RIPE51 - EIX



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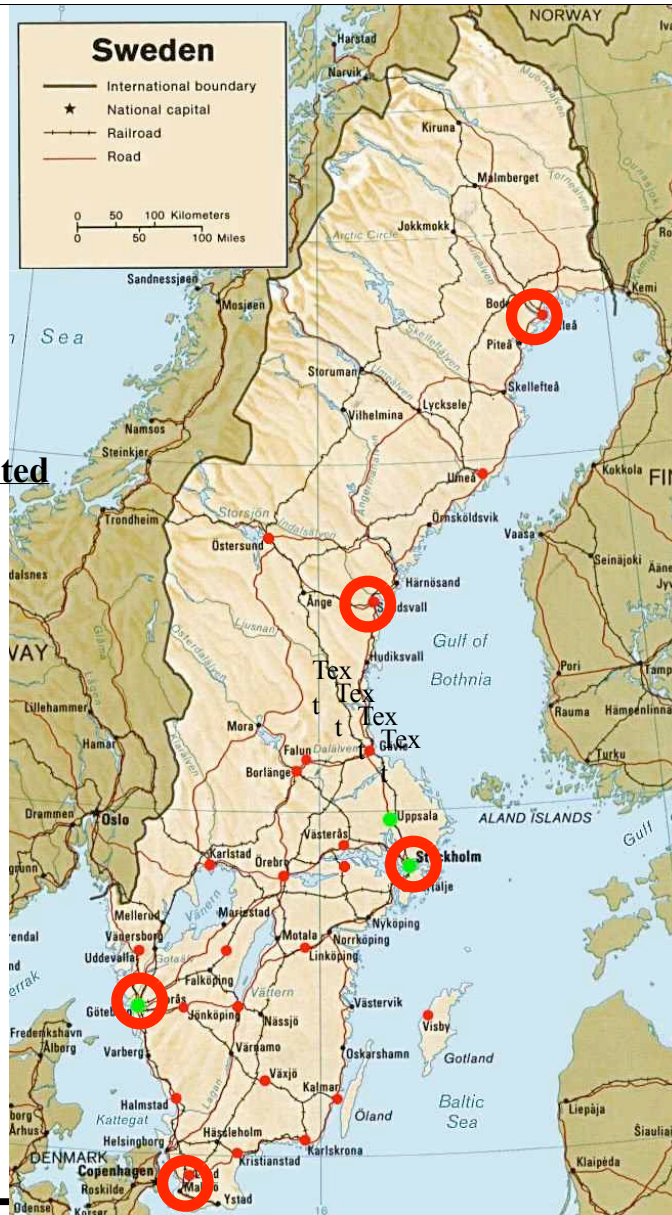
2005-10-13

# So who are we anyway?

- Netnod is owned by the TU-Foundation
- Largest Internet Exchange in Scandinavia
- We operate exchanges in five cities in Sweden
  - The locations are not interconnected

### Examples of operator connected

- Tele2
- TeliaSonera
- B2
- Telenor
- SUNET
- Banhof
- Internet5
- Song
- Chello
- MCI WorldCom
- GlobalCrossing
- + 40 more



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# Connecting to Netnod

- Locations are in secure communication bunkers
- In Stockholm there are two sites
  - Netnod will provide the fiber between the bunkers and the ISP location
  - Fibers are included in the price





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# Common Services at Netnod

- Official Swedish time through NTP
  - In Malmö, Sundsvall, Gothenburg and one cave in Stockholm
- i.root-servers.net
  - Location in Sweden not disclosed
  - Can also be run from all caves
- .SE TLD-service
  - Stockholm, Gothenburg, Sundsvall
- A number of TLDs in Stockholm
  - Among others Verisign's .com and .net
  - .DK, .NL, .DE, .NO etc.
- Copy of RIPE routing registry in Stockholm



# News since last

- First Netnod customer meeting in nearly five years
  - 1/2 day Netnod business
  - 1 1/2 day multicast tutorial
  - Will be a regular event
- Netnod customer survey
  - Final report still to be produced
  - Gave valuable feedback
  - Will also be continued in some form

# Next year

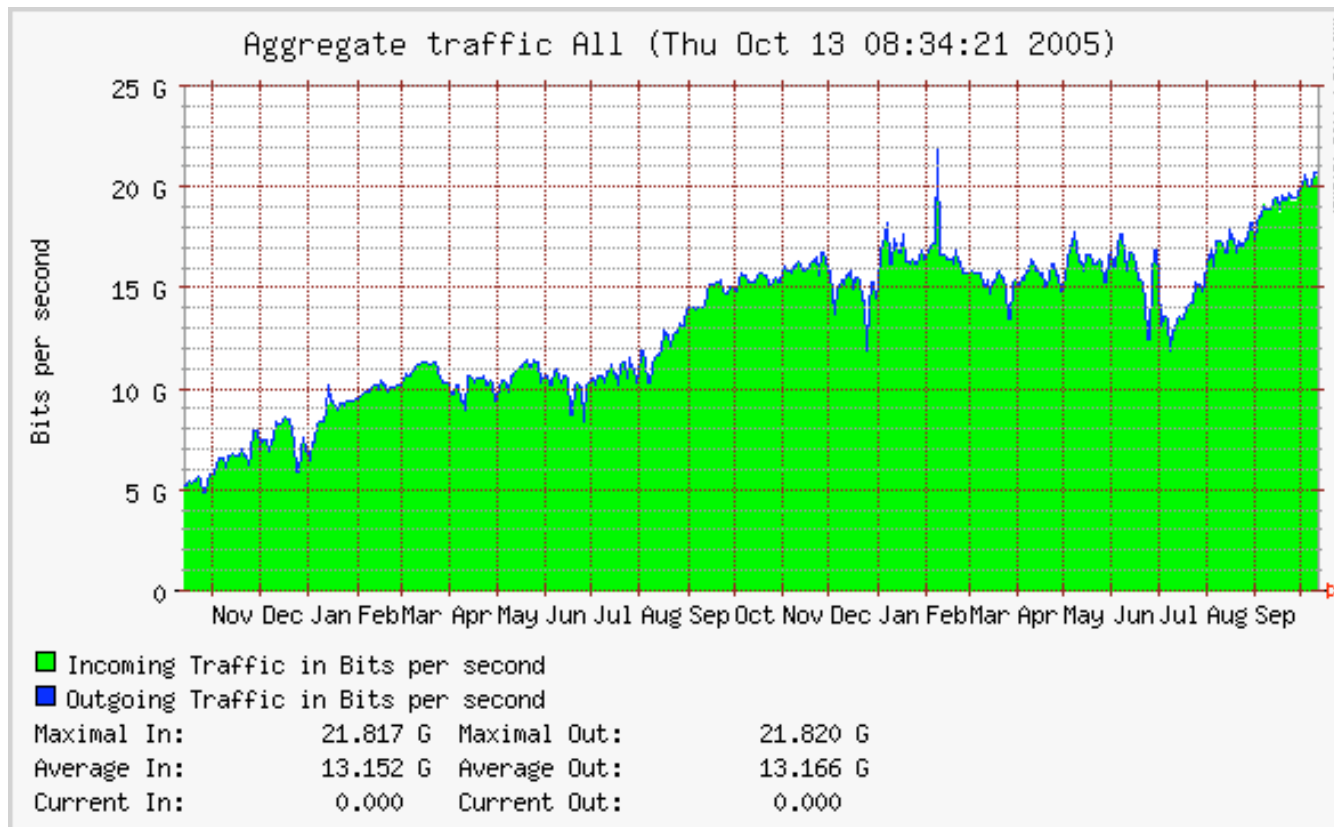
- Changes to the charging scheme?
  - Based on the survey we did realise that there is not very good understanding of how the Netnod pricing model works
  - It was also clear that Netnod customers think we need to work on the pricing scheme
  - Netnod board last week initiated work for the budget 2006 that includes a revision of the charging scheme



# Ideas for charging scheme

- Drop the mandatory inclusion of fiber in Stockholm?
  - But still provide as a service for those that wish
- Drop the requirements for connecting to the two switches in Stockholm?
  - Quite significant change to operations
- Nothing decided yet

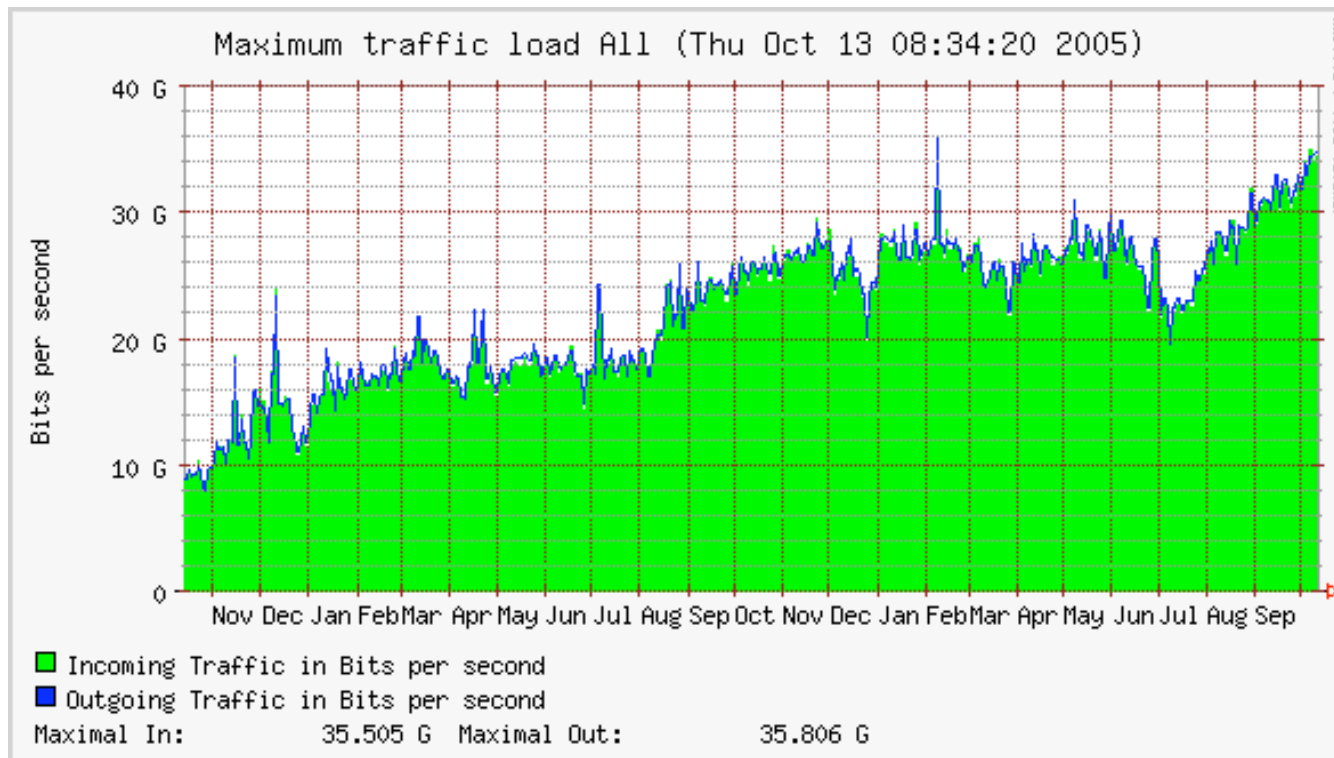
<b>City</b>	<b>Customers</b>
Stockholm	35
Gothenburg	10
Malmö	12
Sundsvall	8
Luleå	3



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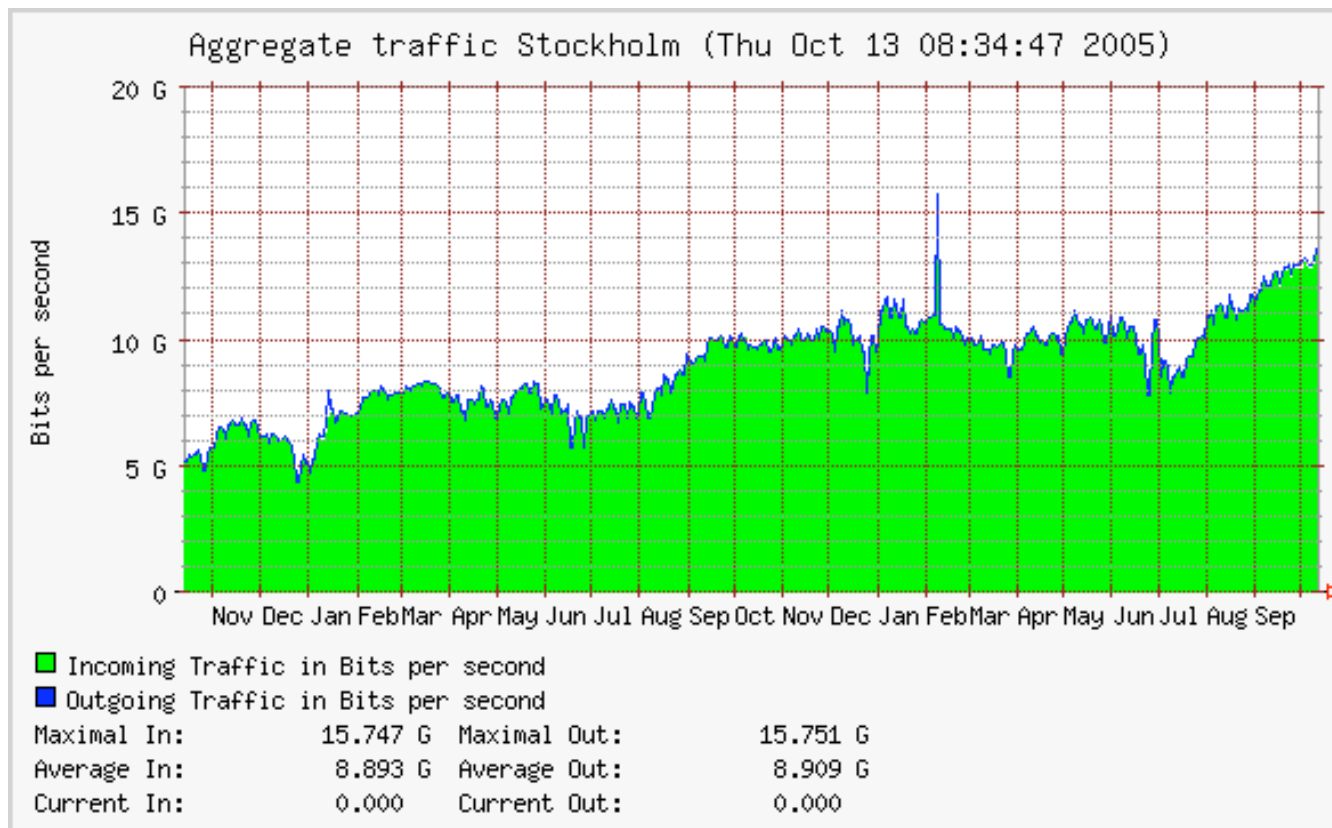
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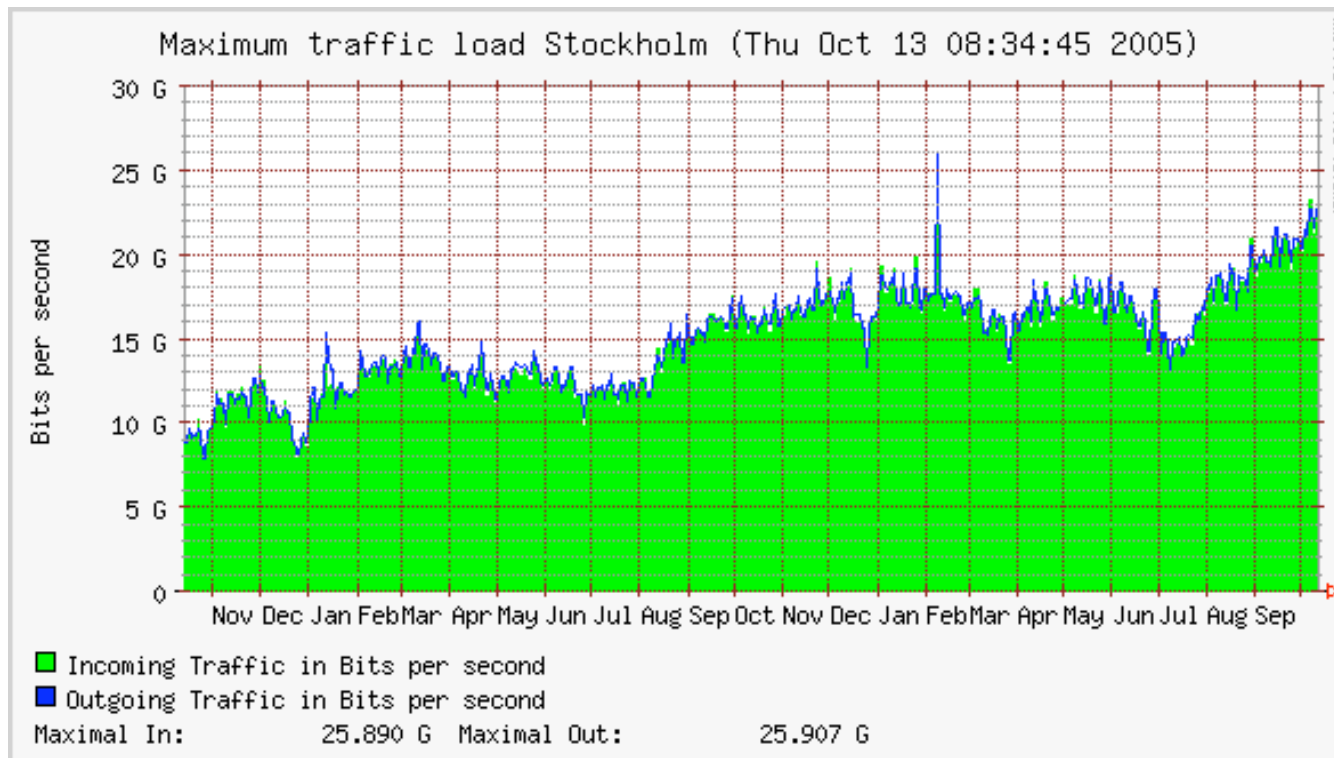
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