

www.netnod.se

Netnod EIX update

RIPE60, Prague



Who are we?

- Non-profit, neutral exchange (1996)
 - Started out at KTH-NOC (1992)
- Operate 6 IXPs in 5 cities
- 2 switches in Stockholm
- 55+ peers



What else do we do?

- National infrastructure
 - Need for high availability
 - i.root-servers.net, TLDs, Official Swedish time, TPTEST, RIPE IRR

Connecting to Netnod

- Stockholm
 - Charges include cost of 2 separately routed fiber pairs
 - One to each bunker (Therefore prices significantly higher in Stockholm)
- Other cities
 - ISP have to find a fiber provider themselves
 - Coordination needed to patch through to us

WDM

- We now have WDM presence at Telecity Bromma, Telecity Sköndal and InterXion
- This allows for a lower cost per connection as fiber costs are now instead depreciation of the WDM system
 - The above sites now “inner city” pricing
 - Fee reduction of 25%

More updates...

- Route server being installed this year
 - We have waited for some of the route-server work that has been done i Euro-IX
 - We think we now have enough experience from other Euro-IX members that we can implement
- Port security enabled everywhere
 - WE NEED TO GET INFO ON MAC CHANGES!

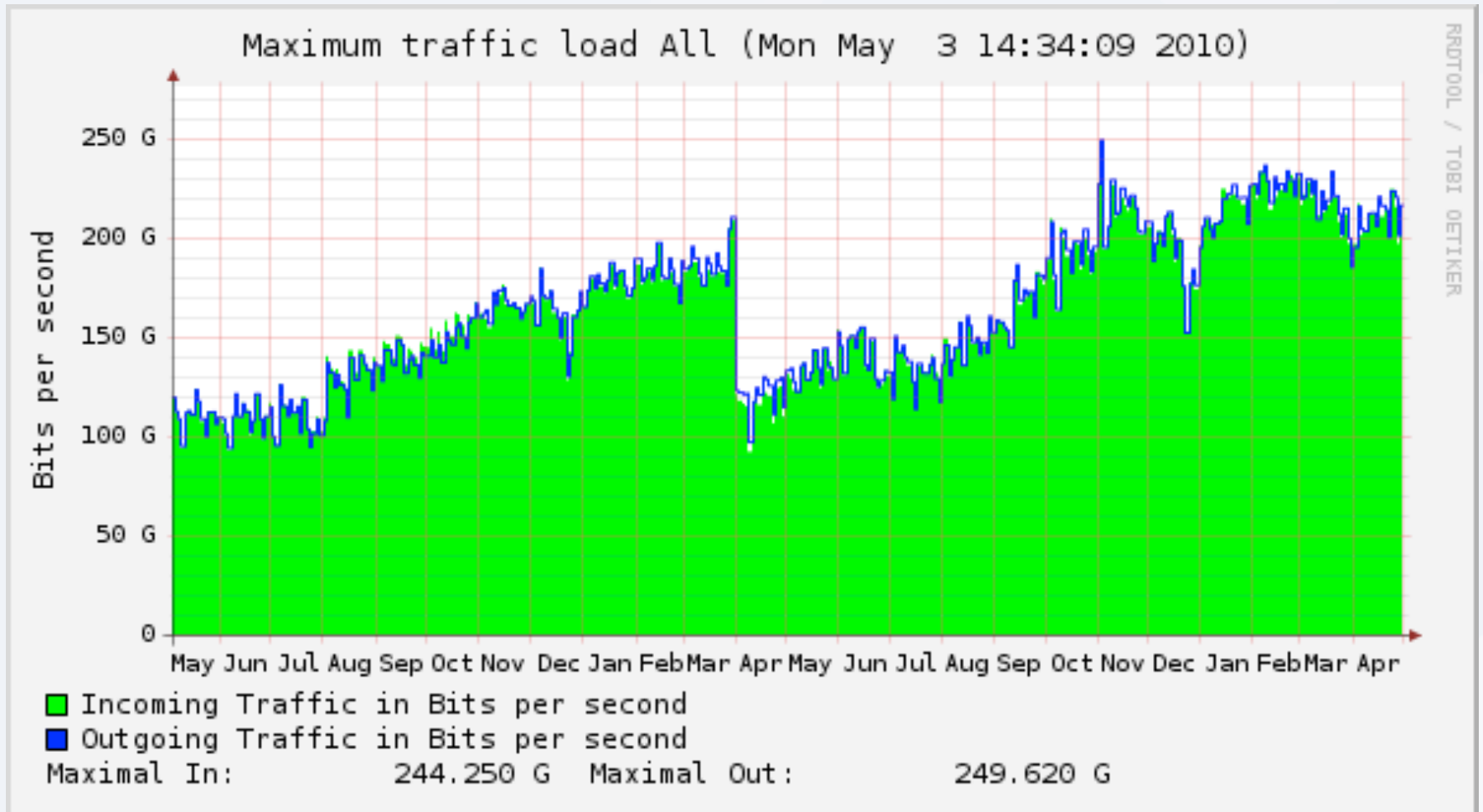
Yet more updates...

- A new staff member
 - Emelie Carlsson - that many of you met at the EPF in Copenhagen
- We will again co-organize the European Peering Forum with AMS-IX, DE-CIX och Linx
- Netnod customer meeting
 - 9-10 September in Stockholm

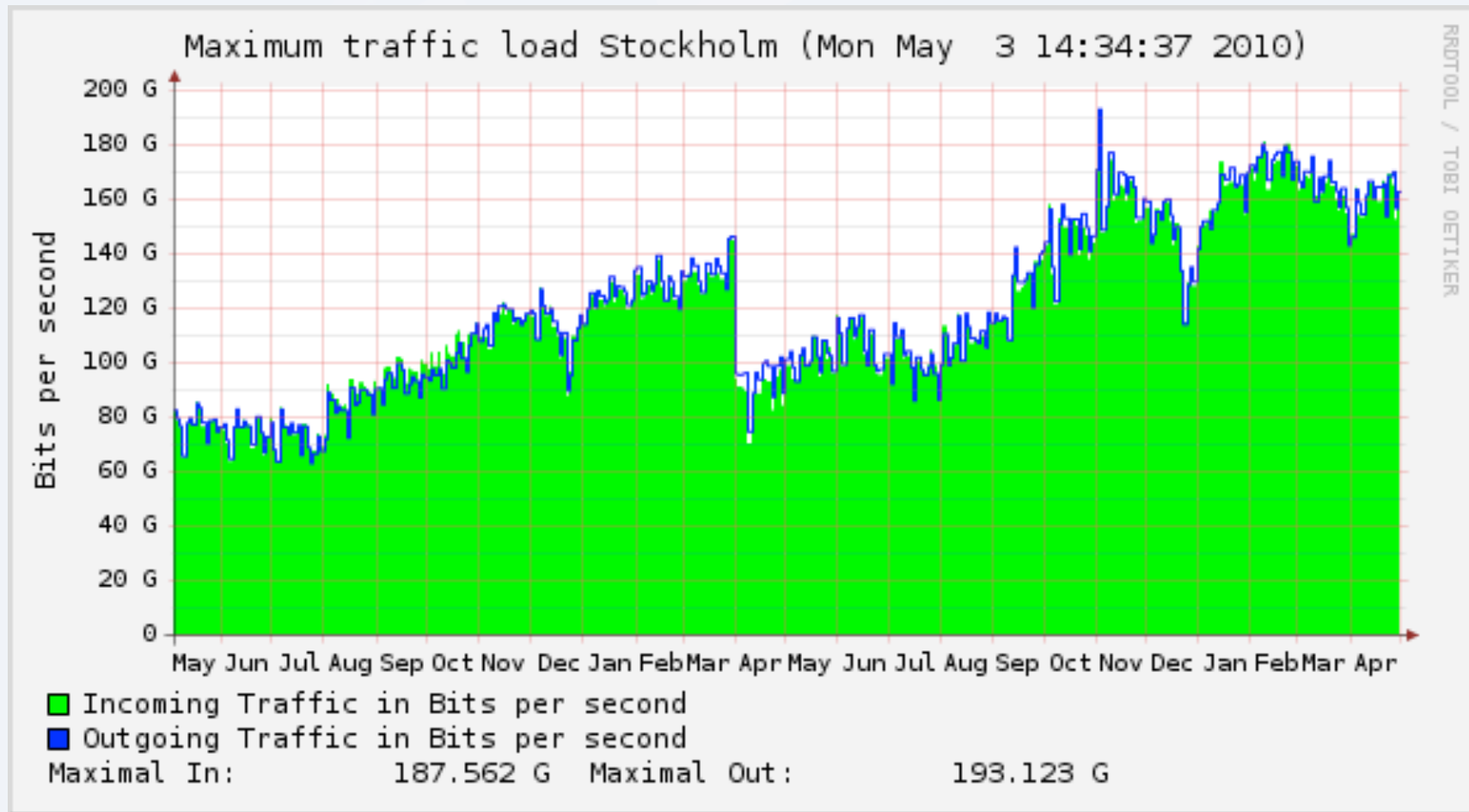
Customer numbers

City	Connections	
	1GE	10GE
Stockholm	23 (+5)	41 (+6)
Gothenburg	6(NA)	9(NA)
Malmö	6(+1)	12(+1)
Sundsvall	4 (-1)	10(+1)
Luleå	7	-

All cities (Max)



Stockholm (Max)



Services...

- We also operate i.root-servers.net and anycast some 25 TLDs.....
-SO....

Peering!

- If you are connected at
 - Netnod, NIX, FICIX, AMS-IX, DE-CIX, BNIX, RONIX, CIXP, VIX, MIX, SFINX, NPIX, NIXI (Mumbai), WIX, WAIX, JINX, DIX-IE, JPIX
 - And don't peer with AS8674
 - And want to have better access to i.root-servers.net and many TLDs
 - ...mail peering@netnod.se

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