



Neutral Internet eXchange Czech Republic

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October 8th 2009, RIPE-59 Lisbon

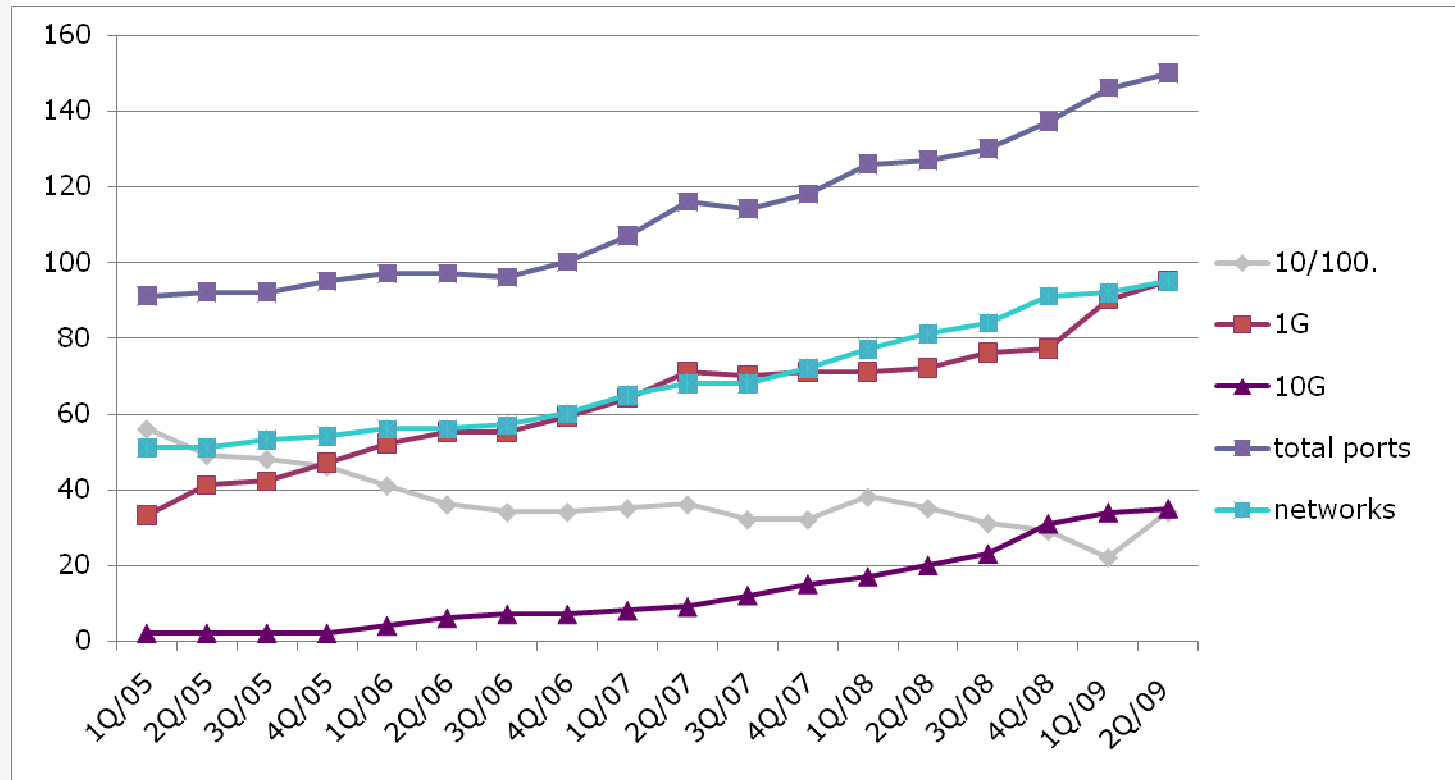


NIX.CZ today – in numbers

- No.8 in Europe regarding traffic
- 10Gbps 2006 -> 97Gbps 2009
- 7 full-time employees
- 24/7 NOC
- 94 members/customers
- VAS - TLDs hosting (6)
- 150 connected ports
- 467Gbps capacity

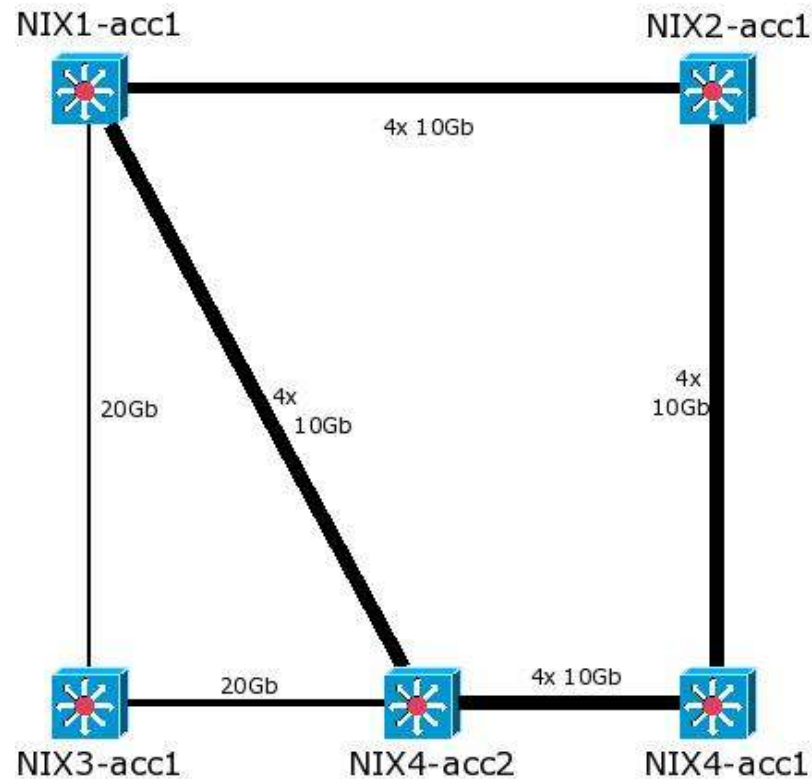


Increase in port numbers



	2Q/06	3Q/06	4Q/06	1Q/07	2Q/07	3Q/07	4Q/07	1Q/08	2Q/08	3Q/08	4Q/08	1Q/09	2Q/09
10/100	36	34	34	35	36	32	32	38	35	31	29	22	34
1G	55	55	59	64	71	70	71	71	72	76	77	90	95
10G	6	7	7	8	9	12	15	17	20	23	31	34	35
total ports	97	96	100	107	116	114	118	126	127	130	137	146	150
networks	56	57	60	65	68	68	72	77	81	84	91	92	95

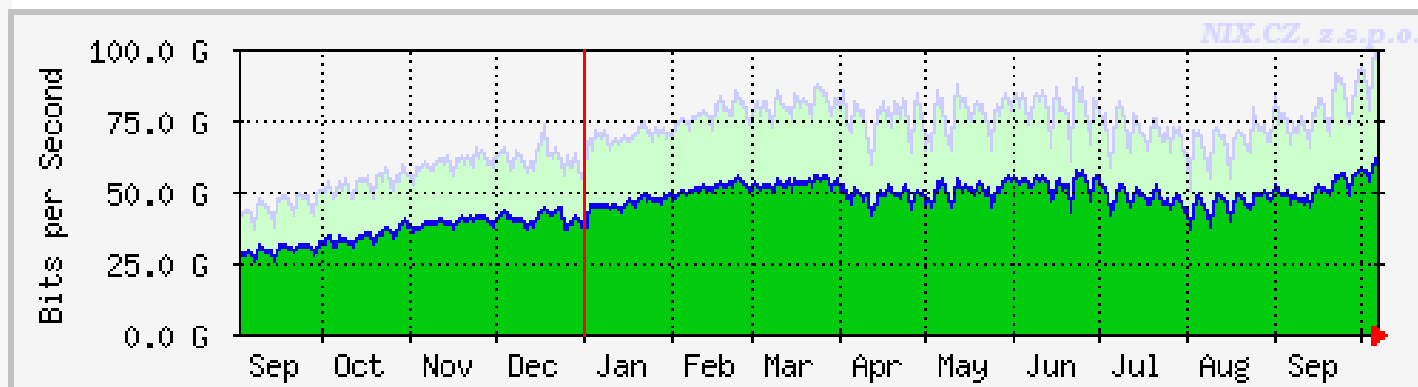
Current topology



- 4 locations
- 5 switches
- primary ring
NIX1-NIX2-NIX4
- LR or DWDM
XENPAKs
between nodes

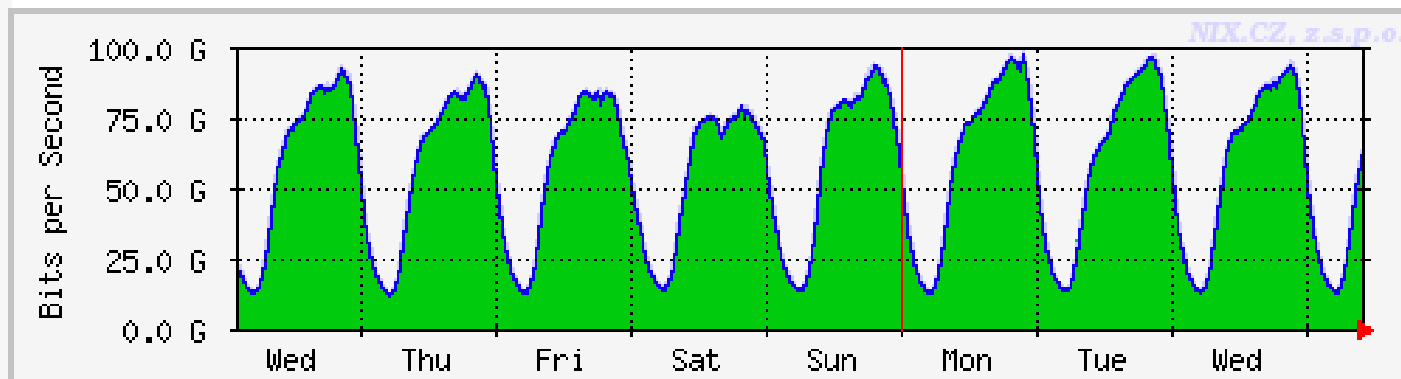
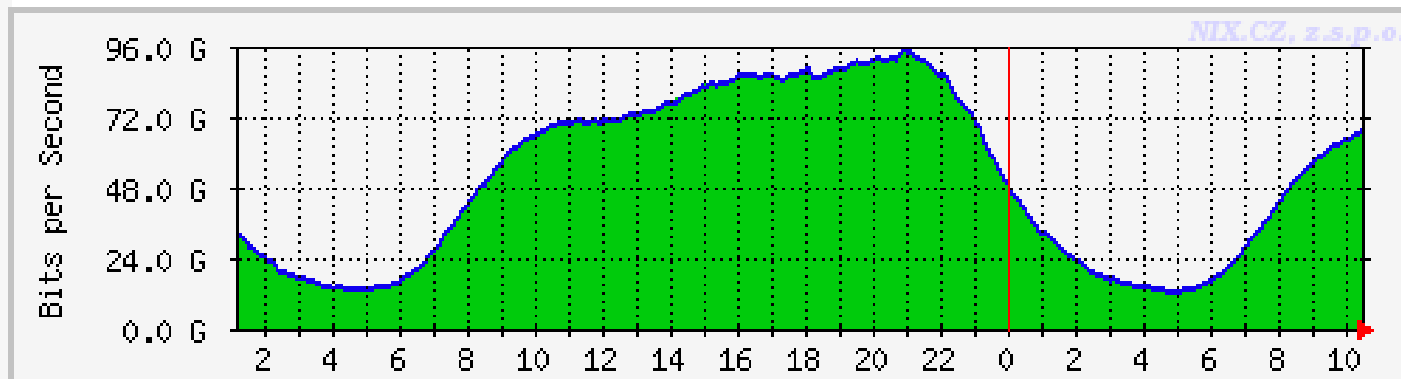
Traffic statistics

- Exceeding 70 Gbps in December 2008
(compared to 40 Gbps in May 2008)
- Stable growth until April 2009
- Stagnation during summer 2009
- Growth after the summer stagnation



Traffic statistics

- Peak 97.2 Gbps





NIX.CZ today - IPv6

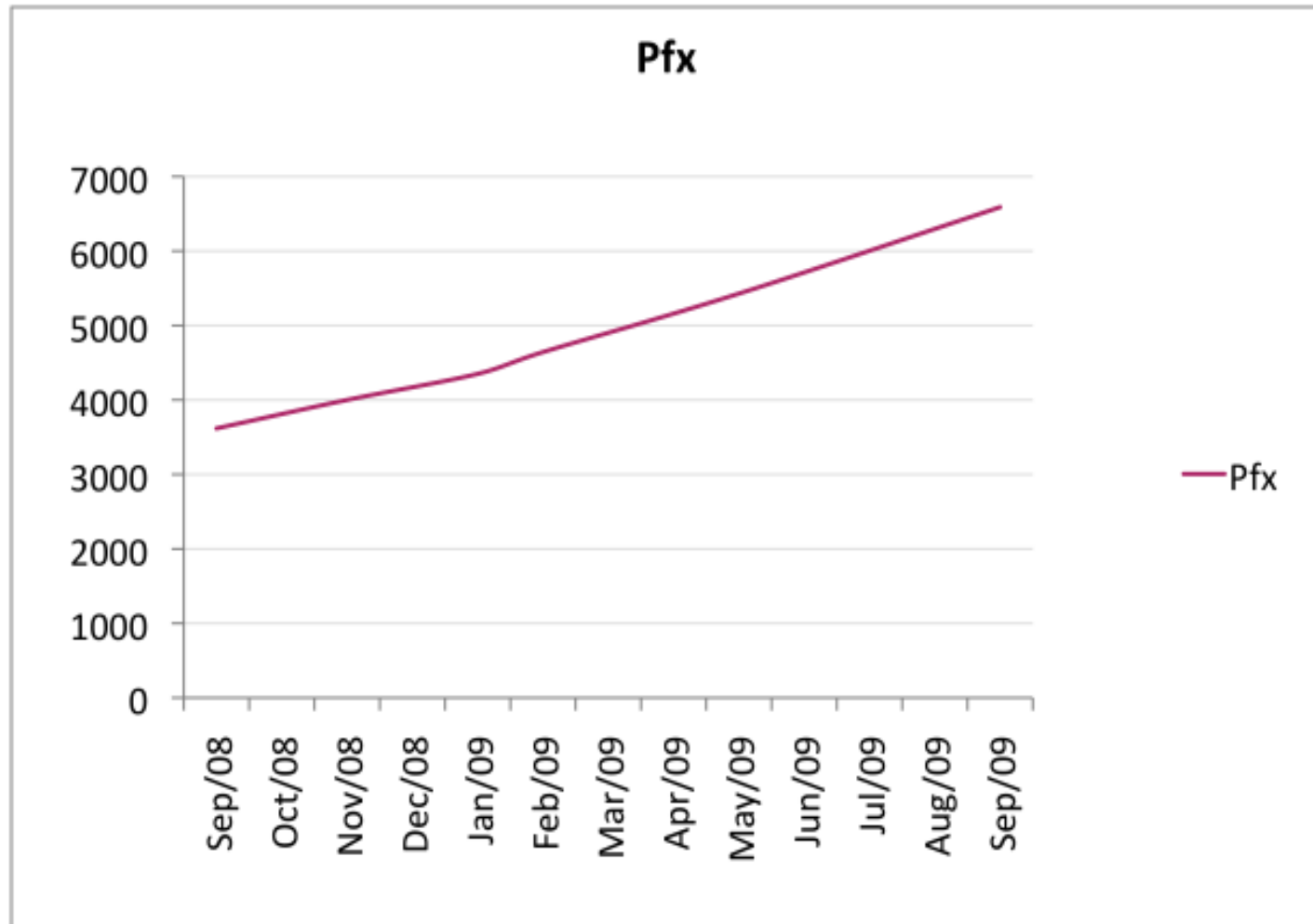
- 100% IPv6 compatible
- IPv6 based peering since the beginning of 2003
- 47 connected ports today
- 30 connected companies
- 45 prefixes
- All internal services fully available
 - Routerservers, web servers, etc...



Routeservers

- Officially launched 9/2008
- HW: 2 PCs on 2 locations, Quad Core Xeons
- SW: Linux (Bird), FreeBSD (Quagga)
- Peers on RS:
 - IPv4 - 48 peers (from 144 potential), 37 unique ASes
 - IPv6 - 19 peers (from 29 potential), 12 unique ASes

Routeservers





- Presented by Ondrej Filip
at RIPE Plenary, Friday, 11:00-12:30
- BIRD is an routing daemon for UNIX systems. It supports RIP, OSPF, BGP for IPv4 and IPv6. It is basically alternative to Quagga with some unique features.
- <http://bird.network.cz/>



Future

- Price decrease from Jan 2010
- Hardware upgrade
- DWDM
- NIX.CZ & CZ.NIC as a host of RIPE 60 meeting in Prague in May 2010



Questions ?

- www.nix.cz
- info@nix.cz