

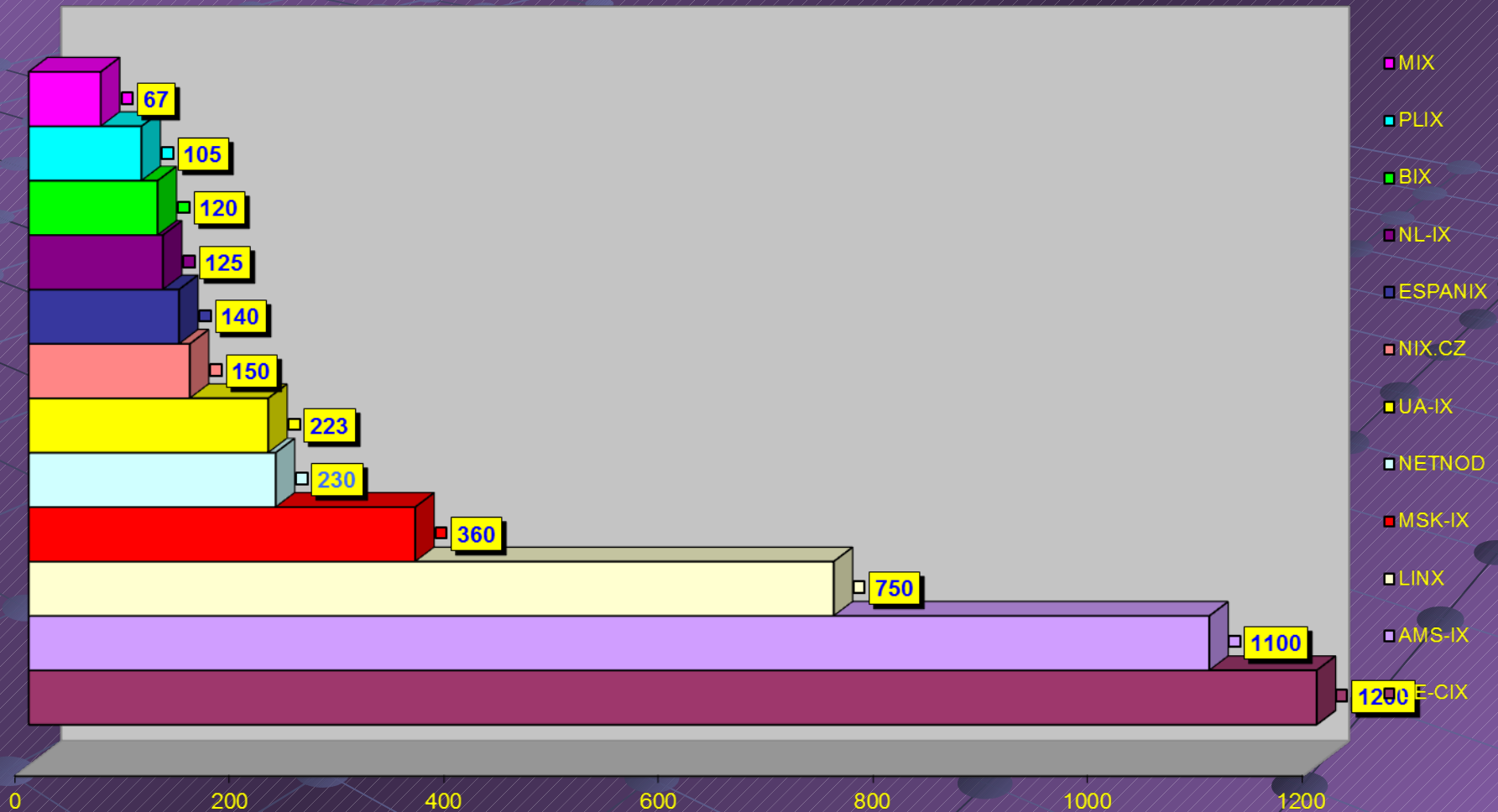
UA-IX

The Secret of rapid traffic growth

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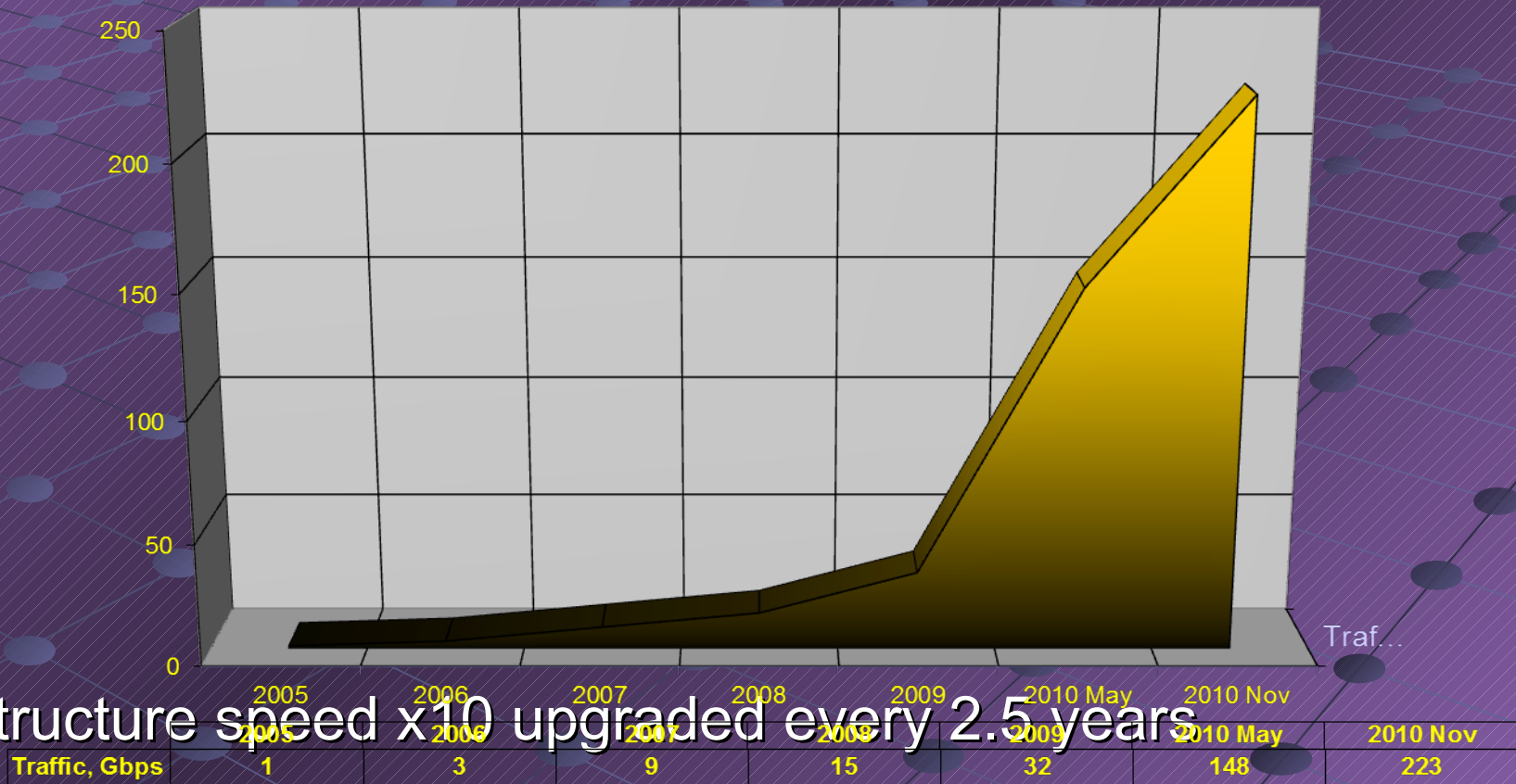
November 18, 2010

Aggregated bandwidth 16.11.2010, Gbps



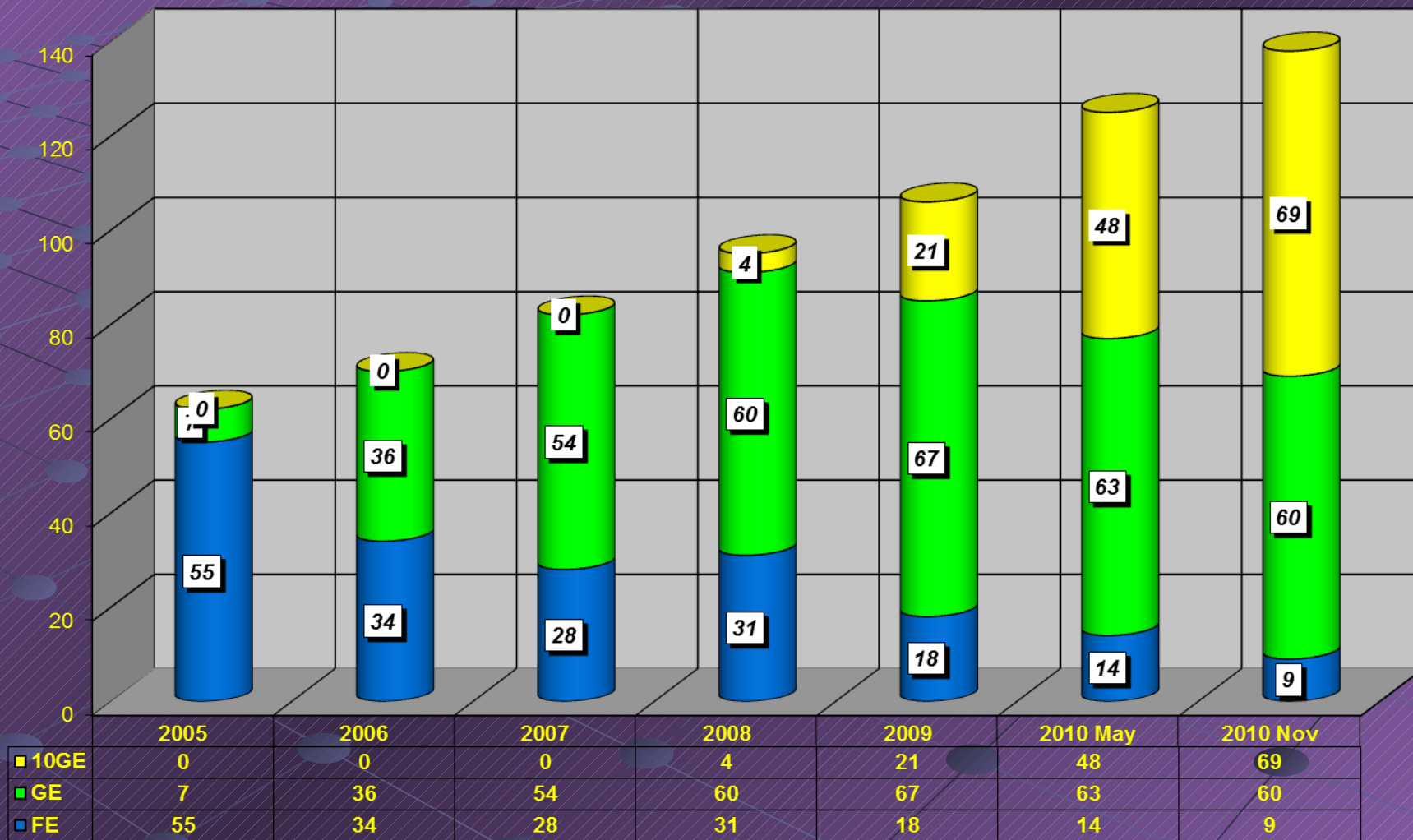
DEVELOPMENT

Aggregated bandwidth grow 3 times per year
9 times per 2 years



Infrastructure speed x10 upgraded every 2.5 years

Quantity of UA-IX members ports



2010 monthly fees (surprise PRICE)

	UA-IX	PLIX	MSK	LINX	AMS-IX	DE-CIX
100M	€118		€307	€189		€350
1G	€118	€254	€736	€395	€500	€750
10G	€118	€1016	€2208	€1471	€1750	€2650

UA-IX 10GE pricing cheaper then FE of other European IXes
It's one of the reason for FREE Ukrainian traffic phenomenalism.

Extreme Networks equipment used also at
LINX - London, CIXP - Geneva, FICIX - Helsinki.

* - currency exchange to Euro calculated by Bloomberg calculator 16/11/2010

RULES

- Mandatory peering with two Cisco based route-servers (RS)
- Strong L2-L4 security
(1 MAC per port, prefix based BGP filters, etc)
- Strict syntax compliance of all records in RIPE database
(main requirement to join)
- All networks of member's AS must be announced
- All networks from RS must be received
- **Private peering prohibited!**
- IP Transit prohibited - only local traffic exchange
- Key rule - **everything for everyone!**

RULES

UA-IX is non-profit community service.
Members society open for all.

Because newcomer will got 100% of all networks immediately, holders of this networks could vote for pretender. It's one time peering agreement with everyone.

Need to get 50% positive votes to became membership. Only a few was refused.

No need to negotiate agreements with every potential peering partner every day.

Exclusive features

100% networks available at route-servers.

10-1000-**10000** - one €118 monthly fee

10->100->1000baseT transition free of charge

Cheap SFP+ 10GE start from January 2009
(old expensive XFP prohibited in 2010)

100GE planned to be available in 2011

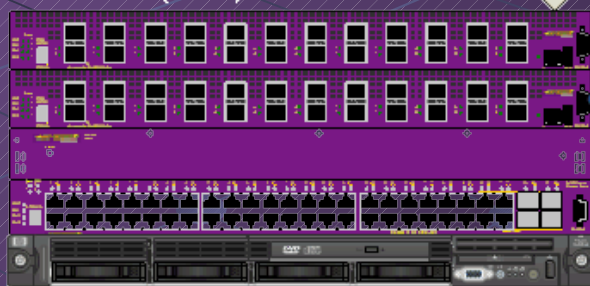
Latest technologies applied ASAP



MIROHOST

50 Gaidara POP

ua-ix-650-2 (stack) 18 members ports



look.ix.net.ua Management HP DL360G6

Total: 138 members ports

10GE SFP+ = 53
 10GE XFP = 16
 1GE copper = 49
 1GE fiber = 11
 100M FE = 9
 Nx1GE(LACP) = 2
 Nx10GE = 7

2811 RS-II

9 Leontovicha POP (3 floor)

ua-ix-650-3



5 members ports

Multichassis LACP

33 members ports

Multichassis LACP

ua-ix-650-1 (stack)

9 Leontovicha POP (2 floor)

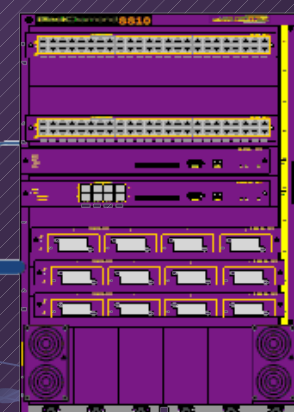
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Monitoring



2811 RS-I

ua-ix-8810-2

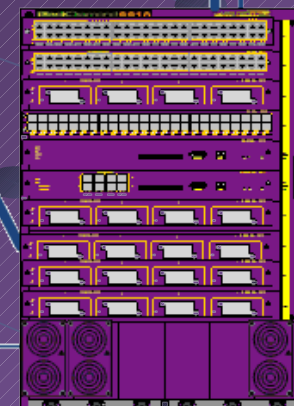


27 members
TSUA

EAPS protected ring

DG

55 members





Thank You!
Grazie!
Дякую!

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