



>1900
CUSTOMERS PORTS

MORE THAN 1700
PORTS TO ENABLE

MORE THAN 80% HAVE A
BANDWIDTH OF 10 GBIT/S

100G - 1% (NEW IN 2016)

40G - 1%

1G - 17%

10G - 81%



22
POP's

22 SWITCHING POINTS
THROUGHOUT

INTERNET EXCHANGE NETWORK DATAIX

>360 ASN

MORE THAN 340 AUTONOMOUS
SYSTEMS IN THE NETWORK

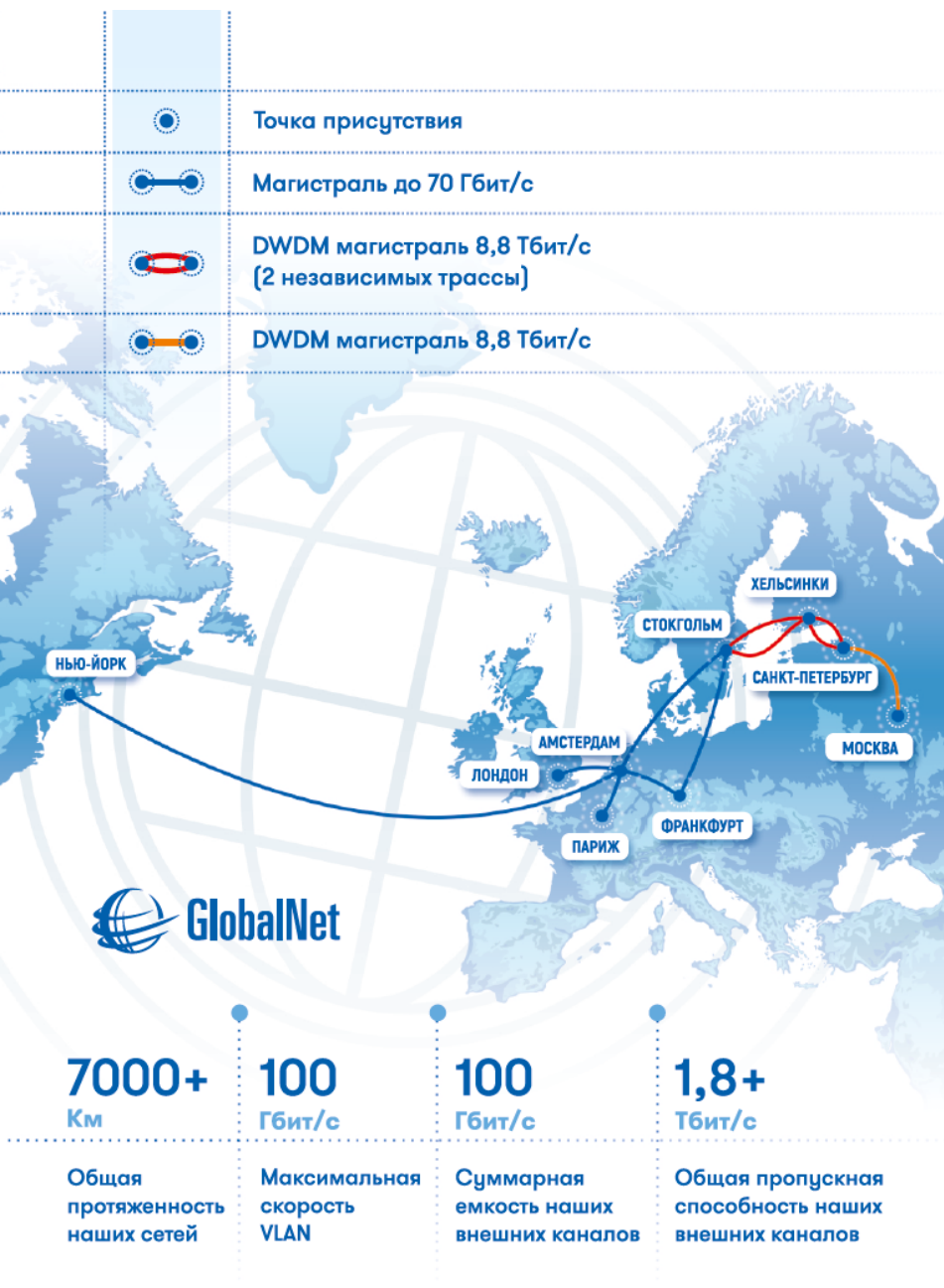
2.5 ^{PEAK}
Tbit/s

NETWORK PEAK LOAD



400 Gbit/s

THE MOST BANDWIDTH
BETWEEN THE CITIES



— НАШИ УСЛУГИ —

Global-IX

международная точка обмена трафиком

в настоящее время в проекте участвуют более:

130

интернет-провайдеров

30

генераторов контента

Яндекс Ж G
@mail.ru

Организация VLAN

GlobalNet объединяет территориально-удаленные сегменты локальных сетей или отдельных компьютеров клиента в единую защищенную корпоративную сеть.

Для построения сетей VPN используются цифровые каналы связи, обеспечивающие скорость

до 100 Гбит/с

Аренда длин волн (лямбд)

GlobalNet предлагает своим клиентам в аренду каналы связи с пропускной способностью

до 100 Гбит/с
в собственной системе DWDM

МОСКВА САНКТ-ПЕТЕРБУРГ ХЕЛЬСИНКИ СТОКГОЛЬМ

Аренда IPv4/IPv6 адресов

GlobalNet имеет статус LIR в RIPE NCC. Мы реализуем услуги по подключению и обслуживанию AS, IPv4/IPv6.



10
ГОРодОВ

2,8 Тбит/с



ТРАФИК



500+
УЧАСТНИКОВ



21
УЗЕЛ DNS



40
ПЛОЩАДОК



ПОРТЫ
до 100 G

M9.PLUS

НОВЫЙ ДАТА-ЦЕНТР MSK-IX НА ММТС-9

MSK-IX RIGA

НОВЫЙ УЗЕЛ MSK-IX В РИГЕ

ПАРТНЕР - OPTRON

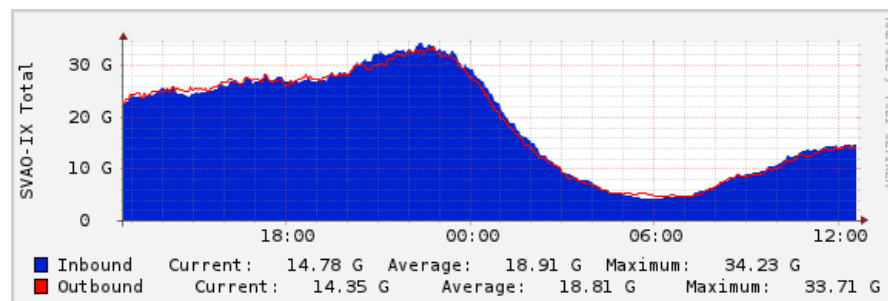


МЕДИАЛОГИСТИКА

ТЕЛЕСИГНАЛЫ ДЛЯ ОПЕРАТОРОВ КТВ С
ВЫСОКИМ QoS

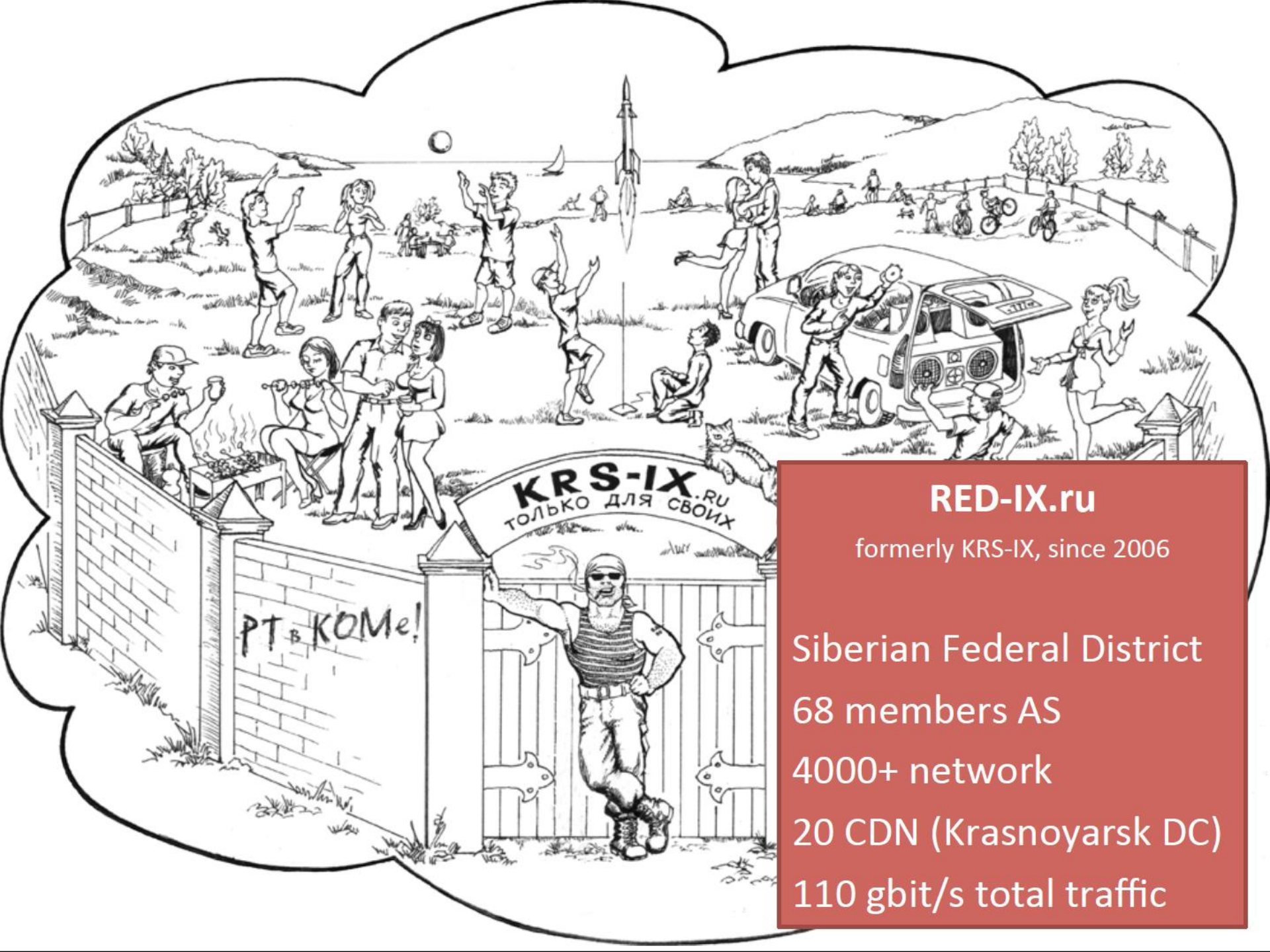
SVAO Internet Exchange (SVAO-IX)

- We use private network (rfc1918)
- P2P protocols optimization
- NO download speed limits



- More than 40 providers entering IXP
- The principal points of presence are:

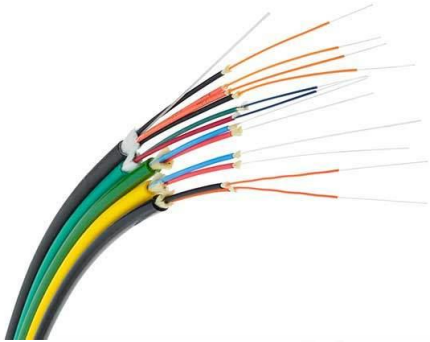
Mytischki, Pushkino, Sergiev Posad, Alexandrov, Schelkovo... Moscow (MMTS-9, MMTS-10, GVC RJD) and many others



RED-IX.ru

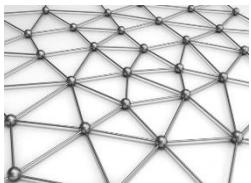
formerly KRS-IX, since 2006

Siberian Federal District
68 members AS
4000+ network
20 CDN (Krasnoyarsk DC)
110 gbit/s total traffic




Parties connected-12

Connection types-10 Gbps, 1 Gbps, 100 Mbps





ENOG 13, IXP panel, DE-CIX update



PeeringDB DE-CIX
Advanced Search

Exchanges (11)	Networks (14)	Facilities (0)
DE-CIX Dallas	DE-CIX 32bit ASN (196610)	
DE-CIX Dusseldorf	DE-CIX Dallas Route Servers (62499)	
DE-CIX Frankfurt	DE-CIX Dusseldorf Route Servers (56890)	
DE-CIX Hamburg	DE-CIX Frankfurt Route Servers (6695)	
DE-CIX Istanbul	DE-CIX Hamburg Route Servers (43252)	
DE-CIX Madrid	DE-CIX Istanbul Route Servers (20715)	
DE-CIX Marseille	DE-CIX Madrid Route Servers (48793)	
DE-CIX Munich	DE-CIX Management GmbH (51531)	
DE-CIX New York	DE-CIX Marseille Route Servers (20717)	
DE-CIX Palermo	DE-CIX Munich Route Servers (47228)	
UAE-IX	DE-CIX New York Route Servers (63034)	
	DE-CIX Palermo Route Servers (25083)	
	DE-CIX VoIP (57769)	
	UAE-IX Route Servers (61374)	

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Global System Statistics
9495 Peering Networks
587 Public Exchange Points
19961 Unique Public Exchange Presences
2440 Private Facilities
18073 Private Facility Presences

- New IXP in Dallas and Madrid
- DE-CIX New York and DE-CIX Madrid are booming!!!
- New Service Structure
 - Access & Service
 - Main idea to decouple services from ports



+350 Connected Networks

Full list, updated in real time, available online at www.franceix.net



60% French-based and 40% International Members

Access to French and International Internet Professionals



30% of the shortest Internet paths in France

Nearly 1/3 of the shortest paths in France go through France-IX




Very high adoption of Route Servers (95% Paris, 75% Marseille)

Any new member gets traffic quickly via the Route Servers



- Romanian largest neutral Internet eXchange
- Built in 2005
- 68 operators
- Over 100 Gbps peak traffic
- IPv4 and IPv6 supported
- Tech support 24/7

- Main POP's in Bucharest
- Multi POP infrastructure across Romania
- International link with Frankfurt
- Hosting DNS servers: J-root and K-root
- Interconnection interfaces: 100 Mbps to 100 Gbps
- TV eXchange platform
- **euro-IX** Member of the Euro-IX since 2008
-  **RIPE NCC** Member of RIPE NCC since 2014
- Host for RIPE 71, Euro-IX 25, RONOG and more to come....

London Internet Exchange (LINX)

LINX одна из крупнейших в мире точек обмена интернет-трафиком

Remote Peering Partners



- 789 member ASNs
- 39 new applications in 2017
- over 3.576 Tb/sec of peak traffic
- 19.189 Tb of connected capacity
- 124,000+ Route Server - Active IPv4 Prefixes

Data Centre Partners



IXcellerate

MOSCOW ONE DATACENTRE
MOSCOW ONE ДАТА-ЦЕНТР

Read more peering NEWS! - linx.net/hotlinx

Contact me: mark@linx.net

LINX
— Est. 1994 —

Netnod Internet Exchange

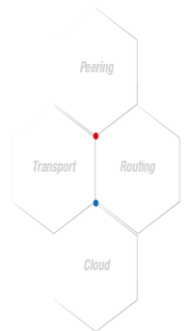
- Operates IXPs in Sweden and Denmark
- Traffic peaks at 1,1 TB
- +180 ASNs
- Remote peering through partners

News!

- Single ports available in Stockholm from Q4 this year (9 200€ annual for a 10G Single port)
- Optical IX a point-to-point service between Netnod On-Net locations within Stockholm and Copenhagen

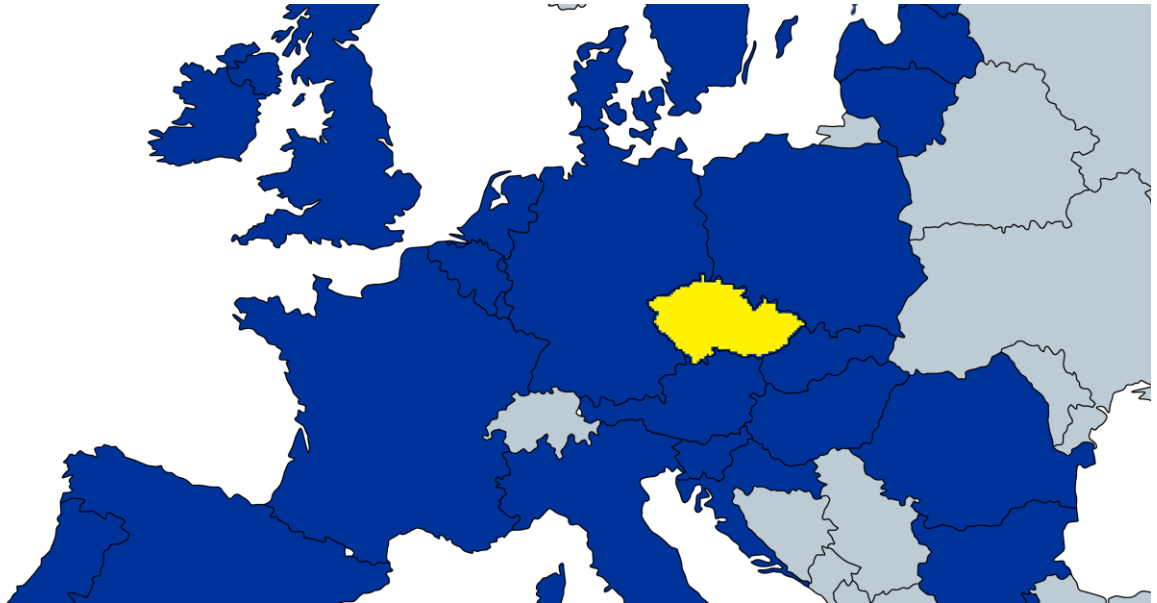
NL-ix – The Interconnect Exchange

- Since 2002, 632 connected networks, 106 data centers in Europe
- Offering Peering, Transport, Routing and Cloud Interconnect services
- Our Internet Exchange is distributed across our entire network and operates a single VLAN. 1.77Tbit/second peak traffic
- Peering services: NL-ix, Remote IX, 'Premium' Peers
- Members connect at 1GE, 10GE or 100GE; can combine services on a single port
- Latest PoPs: Telepoint, Sofia (BG) and NXDATA, Bucharest (RO)
- Look us up in the breaks/social or vrais@nl-ix.net



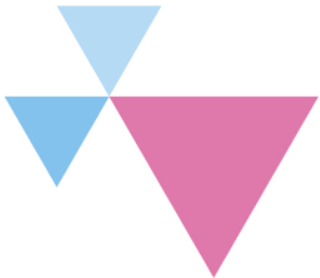
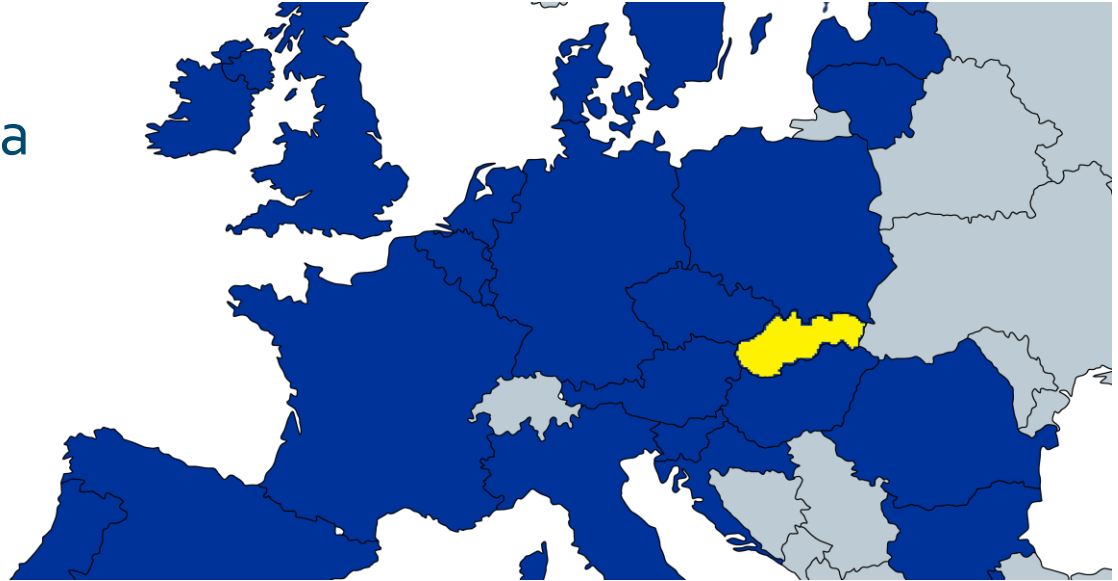
NIX.CZ update

- Since 1996
- 6 PoPs in Prague
- 147 networks
- 528 Gbps



NIX.SK update

- Since 2015
- 3 PoPs in Bratislava
- 36 networks
- 18,5 Gbps



IXP list in ENOG region

1	Column2	Column5	Column7
2	MSK-IX Moscow	MSK-IX peering network	151
3	DATAIX		111
4	UA-IX		64
5	MSK-IX Saint-Petersburg	MSK-IX Saint-Petersburg peering network	41
6	GigaNET	Global exchange	39
7	DTEL-IX	PUBLIC	29
8	Global-IX		20
9	W-IX	vlan800	18
10	SMILE-LV		16
11	MSK-IX Ekaterinburg		14
12	PIRIX		11
13	MSK-IX Novosibirsk		11
14	TLLIX		9
15	RTIX		9
16	DataLine-IX		8
17	KIVIX	Main Peering VLAN	6
18	SFO-IX		6
19	Sea-IX		6
20	MSK-IX Rostov-on-Don		6
21	KRS-IX		6
22	LIX-LV		6
23	RED-IX		6
24	MSK-IX Samara		5
25	MD-IX		5
26	LIPTAM		5
27	DN-IX		5
28	Kherson Traffic Exchange		4

29	MSK-IX Vladivostok		4
30	ULN-IX		4
31	CODIX		3
32	ArmIX		3
33	MSK-IX Kazan		3
34	MSK-IX Stavropol		3
35	Litix		3
36	TIX-LAN		2
37	Crimea-IX		2
38	NET-IX		2
39	KAZ-IX		2
40	OMSK-IX		2
41	SerinIX IX		1
42	M-IX		1
43	BY-IX		1
44	Od-IX		1
45	NNOV-IX		1
46	Sibir-IX		1
47	VRZ-IX		1
48	KIVIX	Chisinau Peering VLAN	0
49	TSK IX		0
50	BAIKAL-IX	Peering LAN	0
51	inet2	vlan888	0
52	SARATOV-IX		0
53	Lviv-IX		0
54	EURASIA:peering		0
55	YAR-IX		0