

A network diagram background consisting of a complex web of thin, light blue lines connecting various nodes. Some nodes are represented by larger, glowing blue circles, while others are smaller dots. The overall aesthetic is clean and technical, typical of a network or data visualization.

euro-IX

# IXPDB & Euro-IX Tools

*UKNOF 42 - London*

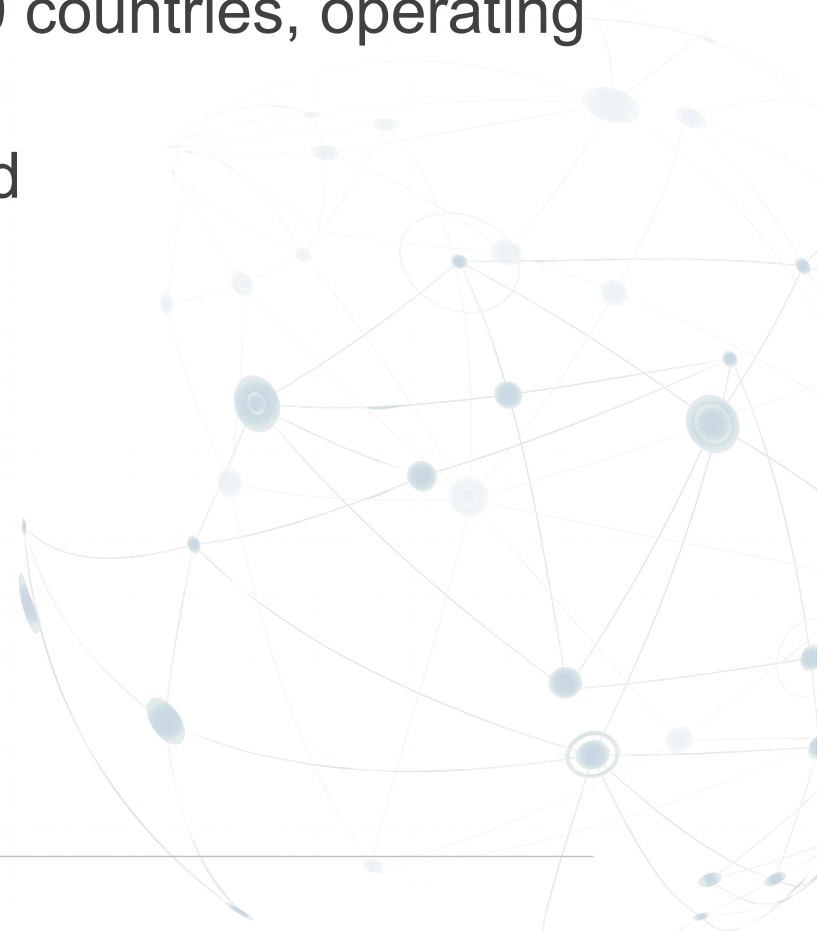
*January 15<sup>th</sup> 2019*



# Association of IXPs

## 73 affiliated members

- 54 IXPs in the Euro-IX region, 49 countries, operating over 100 peering LANs
- 19 IXPs from the rest of the world
- Newest Member:
  - DOrtmund Internet Exchange
  - Asteroid International





# Euro-IX Patrons - 9



THE ELASTIC NETWORK

**NOKIA**

**ciena**®

**interxion**™

**JUNIPER**®  
NETWORKS

**ARISTA**



**EQUINIX**

**E** **Extreme**®  
Connect Beyond the Network

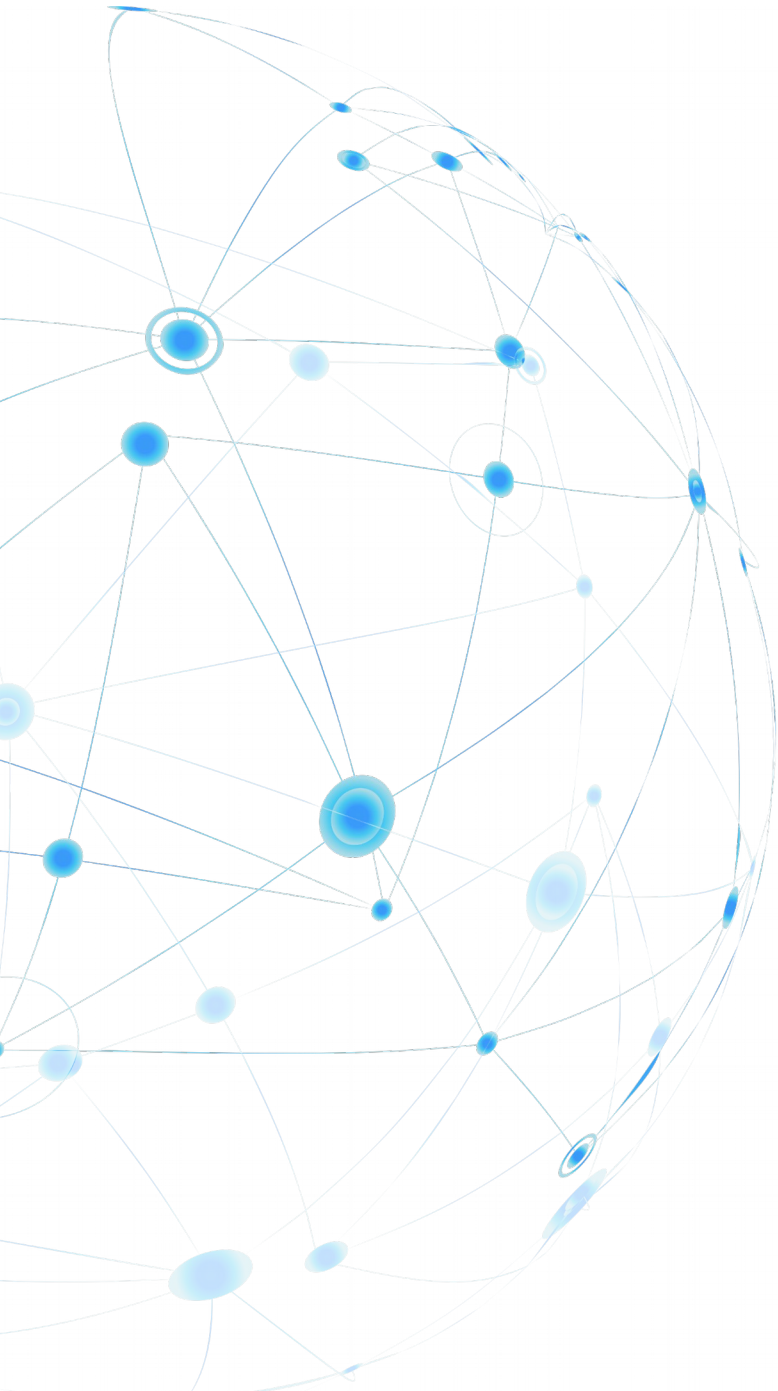
**Coriant**®

**euro-ix**



# Euro-IX Activites

- 2 Fora a year
  - 33<sup>rd</sup> in Venice hosted by NAMEX, TOP-IX and VSIX (November 2018)
  - 34<sup>th</sup> in Toulouse hosted by TOUIX and France-IX
- Website & Database
- Fellowship & Mentor-IX Programs
- Reports – Benchmarking, traffic, hardware, route servers.
- Newsletters -  
<https://www.euro-ix.net/en/communications/newsletters/>
- Route Server Large BGP communities list:  
<https://www.euro-ix.net/en/forixps/large-bgp-communities/>
- Social media
  - Twitter @euroix
  - Facebook fb.me/maineuroix
  - Youtube youtube.com/channel/UCFyucVRAAMzxyJIsxnGwsjw



# IXPDB & Euro-IX Tools





# Some History

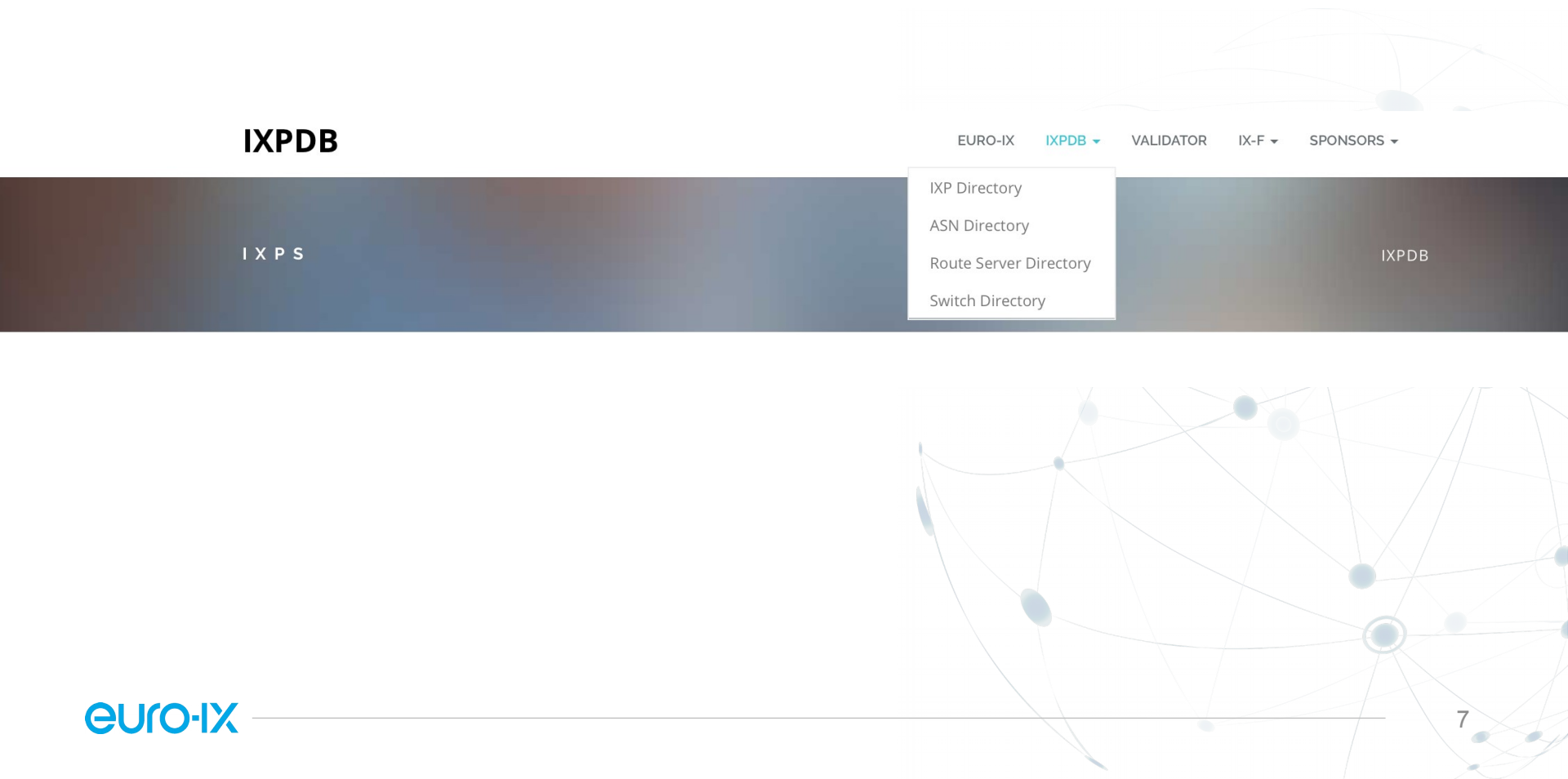
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- The original code was written around 15 years ago...
- Membership feedback from consultations and the Membership Survey clearly showed IXPs wanted a place to publish an accurate and complete data set.
- In 2016 we considered the limitations of the underlying database and structure.
- We wanted to move forward with automation and work started on the IXP Member List JSON Schema.
- It became very clear we needed to start from scratch if we wanted an extendable schema.
- In 2017 we contracted the website and IXP Database work to CZ.NIC.



# What we've been working on..

You can access the IXPDB via <https://ixpdb.euro-ix.net/>





# What we've been working on..

<https://ixpdb.euro-ix.net/en/ixpdb/ixps/>

**IXPDB** EURO-IX IXPDB VALIDATOR IX-F SPONSORS

IXPS IXPDB

IX-F ID, name, city or count  Only with API  AFIX  APIX  Euro-IX  LAC-IX  North America

COMPARE	IX-F ID	Name	City	Country	Last updated	API	MANRS	# of ASNs ↓
<input data-bbox="216 945 253 972" type="button" value="+"/>	9	DE-CIX FRA (DE-CIX Frankfurt)	Frankfurt am Main	DE	Jan. 14, 2019, 2:02 p.m.	✓	✓	854
<input data-bbox="216 1008 253 1035" type="button" value="+"/>	2	AMS-IX	Amsterdam	NL	Jan. 14, 2019, 2:02 p.m.	✓	✓	825
<input data-bbox="216 1069 253 1096" type="button" value="+"/>	1	LINX LON1	London	GB	Jan. 14, 2019, 2:02 p.m.	✓	✓	769
<input data-bbox="216 1130 253 1158" type="button" value="+"/>	548	EPIX (e-Poludnie Internet Exchange)		PL	Dec. 17, 2018, 3:01 p.m.	✓	✗	473
<input data-bbox="216 1192 253 1219" type="button" value="+"/>	13	msk-ix (MSK-IX public peering VLAN)	Moscow	RU	Jan. 14, 2019, 2:02 p.m.	✓	✓	451
<input data-bbox="216 1253 253 1280" type="button" value="+"/>	39	Equinix Paris (Equinix Internet Exchange - Paris)	Paris	FR	Jan. 14, 2019, 2:02 p.m.	✗	✓	366





# What we've been working on..

<https://ixpdb.euro-ix.net/en/ixpdb/asns/>

IXPDB

EURO-IX IXPDB ▾ VALIDATOR IX-F ▾ SPONSORS ▾

ASNS

IXPDB

Search input: [ ] N, participant name, city [SEARCH]

Buttons: COMPARE, ASN, Organisation, Type, MAC addresses, MANRS, # of IXP connection ↓

	ASN	Organisation	Type	IP addresses	MAC addresses	MANRS	# of IXP connection ↓
[+]	6939	Hurricane Electric	NSP	103.247.139.6 185.1.114.20 195.1.59.17	00:0c:db:ff:13:00 00:0c:db:de:68:33 22:4e:24:04:82:05	✗	103
[+]	15169	Google	Content	103.247.139.57 185.1.114.26 195.1.16.2	2c:21:31:2d:db:c7 4c:16:fc:2c:70:86 08:b3:59:45:e8:7a	✗	92
[+]	20940	Akamai	Content	103.247.139.17 103.247.139.73 195.1.114.11	20:4e:71:1d:29:94 ec:13:db:f0:37:0b 22:12:db:60:27:0c	✗	90
[+]	3856	PCH AS3856	Educational/Research	185.1.58.30 185.1.68.15 195.1.26.64	00:0c:29:5e:87:79 00:0c:29:83:8b:72 00:0c:20:82:8b:7a	✗	80
[+]	42	PCH	Educational/Research	185.1.58.29 185.1.68.87 195.1.26.60	6c:9c:ed:2f:5d:1b 24:e9:b3:66:25:50 7c:60:ff:42:06:b2	✗	74
[+]	8075	Microsoft	Content	103.247.139.28 176.126.38.18 176.126.38.28	56:e0:32:78:0a:8f 00:22:83:fd:3f:c8 f0:1c:2d:86:c5:ef	✗	69



# What we've been working on..

## The Network tab:

**IXPDB**

EURO-IX IXPDB ▾ VALIDATOR IX-F ▾ SPONSORS ▾

LONAP NETWORK (LONAP LTD.)

IXPDB / IXPDB / IXP Networks

IXP **Networks** Points of presence ASNs Traffic ▾

## LONAP Peering LAN #1

**Addresses** 5.57.80.0/22  
2001:7f8:17::/64

### Route servers:

ASN: 8550  
**IPv4 Address** 5.57.80.1  
**IPv6 Address** 2001:7f8:17::1

ASN: 8550  
**IPv4 Address** 5.57.80.2  
**IPv6 Address** 2001:7f8:17::2





# What we've been working on..

## The Points of Presence tab:

**IXPDB**

EURO-IX IXPDB ▾ VALIDATOR IX-F ▾ SPONSORS ▾

L O N A P   N E T W O R K   ( L O N A P   L T D . )

IXPDB

- IXP
- Networks
- Points of presence**
- ASNs
- Traffic ▾

## Digital Realty Sovereign House

### Location

Digital Realty Sovereign House, London, United Kingdom

### Switches

**Name** sov-sr1  
**Model** DCS-7280SR-48C6  
**Connections** LONAP (2000 Mb/s)

**Name** sov-sr2  
**Model** DCS-7280SR-48C6  
**Connections** Gigastream Plc (1000 Mb/s)  
 Cablecom Networking Ltd (100000 Mb/s)  
 BBC (10000 Mb/s)  
 LONAP Route Servers (1000 Mb/s)  
 Netuity Networks Sp z.o.o (10000 Mb/s)  
 LONAP (1000 Mb/s)



# What we've been working on..

## The ASN tab:

IXPDB

EURO-IX IXPDB ▾ VALIDATOR IX-F ▾ SPONSORS ▾

INEX LAN<sub>1</sub> (INTERNET NEUTRAL EXCHANGE ASSOCIATION LIMITED BY GUARANTEE)

IXPDB / IXPDB / IXP Participants

IXP	Networks	Points of presence	ASNs	Traffic ▾				
ASN ↓ <sub>5</sub>	Organisation	Type	IP addresses	MAC addresses	MANRS	# of IXP connection		
42	PCH-Anycast	Educational/Research	185.6.36.60 2001:7f8:18::60	00:76:86:02:c0:2e	✘	74		
112	RIPE NCC	Non-Profit	185.6.36.6 2001:7f8:18::6	0a:9a:1a:ce:42:9f 32:ce:81:e0:3b:c5 66:c7:4c:55:f3:0f	✘	21		
702	Verizon Business	NSP	185.6.36.37 2001:7f8:18::37	7c:e2:ca:b4:78:7b	✘	19		
714	Apple Europe Limited	Not Disclosed	185.6.36.122 185.6.36.123 2001:7f8:18::122	46:aa:50:60:f0:5f 46:aa:50:65:e0:9f	✘	16		
1213	HEAnet	Educational/Research	185.6.36.16 2001:7f8:18::1:0:1	30:b6:4f:e4:f8:f6	✘	3		
1273	Vodafone Limited	NSP	185.6.36.81	00:1f:12:b1:bf:c8	✘	24		

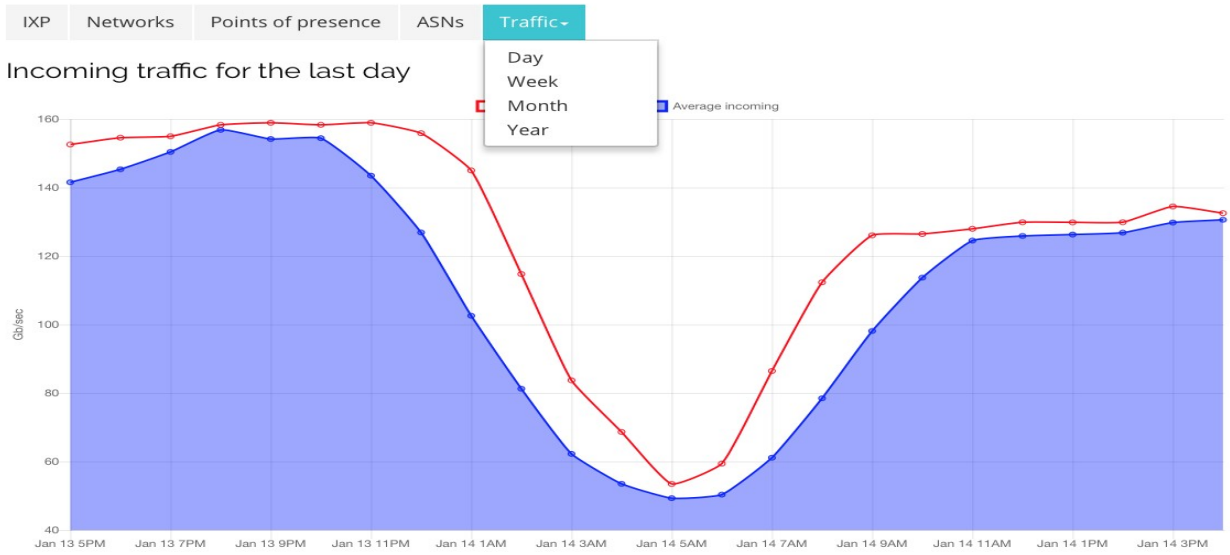


# What we've been working on..

## The Traffic tab:

**IXPDB** EURO-IX IXPDB ▾ VALIDATOR IX-F ▾ SPONSORS ▾

INEX LAN1 (INTERNET NEUTRAL EXCHANGE ASSOCIATION LIMITED BY GUARANTEE) IXPDB





# What we've been working on..

## The new compare function for IXPs:

IXPDB

EURO-IX IXPDB ▾ VALIDATOR IX-F ▾ SPONSORS ▾

I X P S

IXPDB / IXPDB / IXP Directory

IX-F ID, name, city or count  Only with API  AFIX  APIX  Euro-IX  LAC-IX  North America

COMPARE	IX-F ID	Name ↓ <sub>2</sub>	City	Country	Last updated	API	MANRS	# of ASNs
	737	ams (Asteroïd Amsterdam Internet Exchange)	Amsterdam	NL	Jan. 14, 2019, 3:02 p.m.	✓	✓	27
	2	AMS-IX	Amsterdam	NL	Jan. 14, 2019, 3:02 p.m.	✓	✓	825
	61	AMS-IX Caribbean	Willemstad, Curacao	AN	Jan. 12, 2019, 7 p.m.	✓	✗	13
	356	AMS-IX Hong Kong	Hong Kong	CN	Jan. 12, 2019, 7 p.m.	✓	✗	49
	619	AMS-IX India	Mumbai	IN	Jan. 12, 2019, 7 p.m.	✓	✗	24



# What we've been working on..

## The new compare function for IXPs:

IXPDB

EURO-IX IXPDB ▾ VALIDATOR IX-F ▾ SPONSORS ▾

IXP COMPARISON

IXPDB / IXPDB / IXP Directory / Providers Comparison

	LINX LON1 -	LONAP Network (LONAP Ltd.) -
Number of locations	0	8
MANRS	✓	✗
Type	Non-profit	Non-profit
Joining requirements	<a href="https://www.linx.net/join">https://www.linx.net/join</a>	Own AS and running BGP.
Application form	<a href="https://www.linx.net/join/application.html">https://www.linx.net/join/application.html</a>	<a href="https://www.lonap.net/join.shtml">https://www.lonap.net/join.shtml</a>
Monitoring tools	Overall system is CentralINX (demonstrated at 3rd forum), which binds together a series of other tools: syslog-ng, SNIPS polling/monitoring system, RRD, SMStools SMS messaging system and our own 'Alarm Processor' tool. We also use IXP-Watch.	Nagios/Icinga Cricket
Topology	<a href="https://www.linx.net/pubtools/topology.html">https://www.linx.net/pubtools/topology.html</a>	<a href="http://www.lonap.net/network.shtml">http://www.lonap.net/network.shtml</a>
Reseller program	✓	✓
Private peering	✓	✓
24x7 services	✓	✓



# What we've been working on..

## The new compare function for IXPs:

Number of ASNs

769

202

### Common ASNs

- #176
- Salesforce.com, Inc.
- Wifinity
- Prolexic Technologies Inc.
- Exa Networks Ltd.
- York Data Services Limited
- Freethought Internet Limited
- Packet Clearing House DNS
- AliCloud (Germany) GmbH
- The Voice Factory Limited
- Jaguar Network SAS
- Clearstream Group
- Stream Networks Ltd
- Open Peering B.V.
- Cisco
- FidoNet Registration Services Ltd
- Kingston Communications (HULL) PLC
- Simwood eSMS Limited
- ICUK Computing Services Ltd
- Public Internet Ltd
- Amazon.com
- Datapipe
- IT Professional Services Ltd
- Ziron (UK) Ltd
- Infonas Ltd
- IDNet LTD
- SectorSix
- Trunk Networks Ltd
- FastNet International Ltd
- Andrews & Arnold Ltd
- Claranet GmbH
- Ar4 Limited





# What we've been working on..

## The new compare function for IXPs:

SysGroup Trading Limited  
Symantec (EMEA)

### Unique ASNs

#593

[netzquadrat] GmbH  
013 Netvision Ltd / Cellcom  
1&1 Internet AG  
1&1 Versatel  
23media  
24Shells Inc  
Academia Ltd  
Access UK Ltd  
Acme Internet Ltd  
ACORUS NETWORKS SAS  
Acronis Germany GmbH  
ADISTA SAS  
Adobe Systems  
Advania hf.  
AFNIC  
AFR-IX Telecom  
Airangel Ltd  
Airband Community Internet Ltd  
AireNetworks  
Airtel Tchad  
ALCANTARA ELECTRICAL LIMITED

#26

Ashgoal Ltd  
Fibre Options  
Gigastream Plc  
iBrowse  
Idaq Ltd  
Interoute  
ISC - f.root-servers.net  
JPC Infonet  
Krypton Global Networks  
LONAP  
LONAP Route Servers  
London Web Ltd  
LYONIX  
MLL Telecom  
Netuity Networks Sp z.o.o  
Ocean Intelligent Communications  
Portfast  
PRT Systems  
Rank Interactive (Blue Square Limited)  
S... ..

# What we've been working on..

## Compare ASNs

IXPDB

EURO-IX

IXPDB

VALIDATOR

IX-F

SPONSORS

ASNS

IXPDB / IXPDB / ASN Directory

ASN, participant name, city

SEARCH

COMPARE

+

ASN

Organisation

Type

IP addresses

MAC addresses

MANRS

# of IXP  
connection  
↓

+

15169

Google

Content

103.247.139.57  
185.1.114.26  
185.1.114.2

2c:21:31:2d:db:c7  
4c:16:fc:2c:70:86  
08:b3:59:45:48:7a

✘

92

+

20940

Akamai Technologies

Content

103.247.139.17  
103.247.139.73  
185.1.114.41

20:4e:71:1d:29:94  
ec:13:db:f0:37:0b  
cc:12:db:f0:37:0c

✘

90

+

3856

PCH Route Collector

Educational/Research

185.1.58.30  
185.1.68.15  
185.6.26.61

00:0c:29:5e:87:79  
00:0c:29:83:8b:72  
00:0c:29:83:8b:7a

✘

80

+

42

Packet Clearing House DNS

Educational/Research

185.1.58.29  
185.1.68.87  
185.6.26.60

6c:9c:ed:2f:5d:1b  
24:e9:b3:66:25:50  
7c:60:56:42:0f:b2

✘

74

+

8075

Microsoft

Content

103.247.139.28  
176.126.38.18  
176.126.38.28

56:e0:32:78:0a:8f  
00:22:83:fd:3f:c8  
f0:1c:2d:86:c5:ef

✘

69

+

13335

Cloudflare

Content

103.247.139.50  
176.126.38.5

cc:e1:7f:91:fa:cf  
59:00:bb:fa:0a:21

✘

63

# What we've been working on..

## Compare ASNs

IXPDB

EURO-IX IXPDB ▾ VALIDATOR IX-F ▾ SPONSORS ▾

ASNS COMPARISON

IXPDB

	Akamai -	Google -
MANRS	✘	✘
ASN	20940	15169
Type	Content	Content
Number of IXPs	90	92
Common IXPs	#63 LINX LON1 AMS-IX Netnod - Stockholm (Netnod - Stockholm) MIX (Milan Internet Exchange) DE-CIX FRA (DE-CIX Frankfurt) GIGAPIX (Gigabit Portuguese Internet Exchange) CATNIX (Catalunya Neutral Internet eXchange) msk-ix (MSK-IX public peering VLAN) NIX.CZ (NIX.CZ, z.s.p.o.) DE-CIX Dallas (DE-CIX Dallas) ROM1-VDX (NAMEX Roma IXP) LONAP Network (LONAP Ltd.) AMS-IX USA Chicago ECIX-BER SwissIX (SwissIX - Swiss Internet Exchange)	



# What we've been working on..

## Compare ASNs

Equinix Dallas (Equinix Dallas) / Equinix Amsterdam (Equinix Amsterdam) / Equinix Frankfurt (Equinix Frankfurt) / Equinix London (Equinix London) / Equinix New York (Equinix New York) / Equinix Paris (Equinix Paris) / Equinix Rome (Equinix Rome) / Equinix Singapore (Equinix Singapore) / Equinix Sydney (Equinix Sydney) / Equinix Tokyo (Equinix Tokyo) / Equinix Zurich (Equinix Zurich) / Equinix Palo Alto (Equinix Palo Alto)

### Unique IXPs

#27

AAIX (Alpes Adria Internet Exchange)  
AMS-IX Caribbean  
Bangkok Neutral Internet Exchange (BKNIX)  
BBIX - Tokyo (BroadBand Internet eXchange - Tokyo)  
BostonIX (Markley Boston Internet Exchange)  
CRIX (NIC Costa Rica - Academia Nacional de Ciencias)  
DE-CIX Istanbul (DE-CIX Istanbul)  
Digital Realty - Phoenix (Digital Realty Phoenix)  
DIX - Lyngby (Danish Internet eXchange point)  
Equinix Dallas (Equinix Dallas)  
Equinix Los Angeles (Equinix Los Angeles)  
Equinix New York (Equinix New York)  
Equinix Zurich (Equinix Internet Exchange - Zurich)  
INEX Cork (Internet Neutral Exchange Association Limited by Guarantee)  
IXLeeds (Leeds Internet Exchange)  
Kampala 1 (Uganda Internet eXchange Point)  
KleyReX (Kleyer Rebstocker eXchange)  
LINX Manchester  
LINX Scotland  
MICE (Midwest Internet Cooperative Exchange)  
NAPAfrica IX Cape Town (NAPAfrica)  
Netnod - COMIX (Netnod - COMIX)  
NL-ix (Neutral Internet Exchange)  
PAIX Dallas (Palo Alto Internet Exchange Dallas)  
PAIX Seattle (Palo Alto Internet Exchange Seattle)  
QiX (Quebec Internet eXchange)  
VIX (Vienna Internet Exchange)

#29

ams (Asteroid Amsterdam Internet Exchange)  
AMS-IX India  
BALT-IX (Baltic Internet Exchange)  
BiX (Budapest Internet eXchange)  
BIX (Budapest Internet Exchange)  
CINX - Cape Town (Cape Town Internet Exchange)  
DE-CIX HAM (DE-CIX Hamburg)  
DE-CIX Marseille (DE-CIX Marseille)  
DE-CIX PMO (DE-CIX Palermo)  
Digital Realty - New York (Digital Realty New York)  
EPIX (e-Poludnie Internet Exchange)  
EPIX Warsaw (e-Poludnie Internet Exchange)  
GN-IX (Groningen Internet Exchange)  
iAIX (iAdvantage Internet Exchange)  
INEX LAN2 (Internet Neutral Exchange Association Limited by Guarantee)  
IX-Denver (Interconnection Exchange Denver)  
IXPN (Internet Exchange Point of Nigeria)  
JPNAP - Tokyo I (Japan Network Access Point - Tokyo I)  
LAIX (Los Angeles International IX)  
LINX LON2  
NWAX (Northwest Access Exchange)  
Pacific Wave (Pacific Wave)  
PIPE Networks Sydney (PIPE Networks Sydney)  
Rio de Janeiro (RJ) (IX.br - Rio de Janeiro (RJ))  
SFMIX (San Francisco Metropolitan Internet Exchange)  
SOLIX - Stockholm (SOLIX)  
SOX - Singapore (Singapore Open eXchange)  
TOP-IX (Torino Piemonte Exchange Point)  
TPIX - Taipei (Taipei Internet Exchange)



# What we've been working on..



## ASN Details IXPDB

EURO-IX IXPDB ▾ VALIDATOR IX-F ▾ SPONSORS ▾

VERISIGN

IXPDB / IXPDB / Participant

ASN

IXPs

**Organisation** Verisign  
**ASN** 26415  
**PeeringDB** <http://as26415.peeringdb.com>  
**MANRS** ✓  
**Updated** Jan. 14, 2019, 4:03 p.m.





# What we've been working on..



## ASN Details

IXPDB

EURO-IX

IXPDB ▾

VALIDATOR

IX-F ▾

SPONSORS ▾

VERISIGN

IXPDB / IXPDB / Participant Providers

ASN

IXPs

IX-F ID	Name	City	Country	Last updated	API	MANRS	# of ASNs
5	Netnod - Stockholm (Netnod - Stockholm)	Stockholm	SE	Jan. 14, 2019, 4:03 p.m.	✘	✓	159
10	GIGAPIX (Gigabit Portuguese Internet Exchange)		PT	Dec. 17, 2018, 3:05 p.m.	✓	✘	32
11	CATNIX (Catalunya Neutral Internet eXchange)		ES	Jan. 14, 2019, 4:03 p.m.	✓	✓	41
13	msk-ix (MSK-IX public peering VLAN)	Moscow	RU	Jan. 14, 2019, 4:03 p.m.	✓	✓	451
14	TOP-IX (Torino Piemonte Exchange Point)		IT	Jan. 14, 2019, 4:03 p.m.	✓	✓	122
15	NIX.CZ (NIX.CZ, z.s.p.o.)		CZ	Jan. 14, 2019, 3 a.m.	✓	✘	160
17	ROM1-VDX (NAMEX Roma IXP)		IT	Jan. 14, 2019, 4:03 p.m.	✓	✓	71
19	NIX (Norwegian Internet eXchange)	Oslo	NO	Nov. 27, 2018, 12:39 p.m.	✓	✘	68
20	INEX LAN1 (Internet Neutral Exchange Association Limited by Guarantee)		IE	Jan. 14, 2019, 4:03 p.m.	✓	✓	98
21	BCIX (BCIX Management GmbH)		DE	Jan. 14, 2019, 2 p.m.	✓	✘	98
28	CIX (Croatian Internet eXchange)	Zagreb	HR	Nov. 27, 2018, 12:39 p.m.	✘	✘	35



# What we've been working on..



## Route Server Directory

**IXPDB**

EURO-IX

IXPDB ▾

VALIDATOR

IX-F ▾

SPONSORS ▾

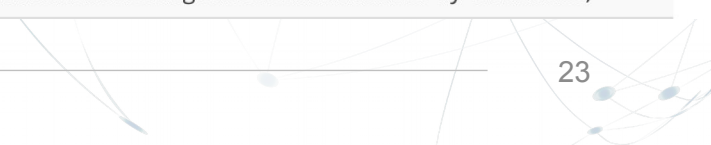
ROUTE SERVERS

IXPDB / IXPDB / Route Server Directory

ASN, IPv4, IPv6, VLAN

SEARCH

ASN	IPv4	IPv6	VLAN	Provider ↓ <sup>A</sup> <sub>2</sub>
16374	193.178.185.6	2001:7f8:19:1::3ff6:6	BCIX Peering LAN	BCIX (BCIX Management GmbH)
16374	193.178.185.5	2001:7f8:19:1::3ff6:5	BCIX Peering LAN	BCIX (BCIX Management GmbH)
16374	193.178.185.7	2001:7f8:19:1::3ff6:7	BCIX Peering LAN	BCIX (BCIX Management GmbH)
43760	185.1.69.8	2001:7f8:18:210::8	INEX Cork	INEX Cork (Internet Neutral Exchange Association Limited by Guarantee)
43760	185.1.69.9	2001:7f8:18:210::9	INEX Cork	INEX Cork (Internet Neutral Exchange Association Limited by Guarantee)



# What we've been working on..

## Switch Directory

IXPDB

EURO-IX

IXPDB

VALIDATOR

IX-F


SPONSORS

SWITCHES

IXPDB / IXPDB / Switch Directory

Name, brand, model, softw

SEARCH

Name	Brand 	Model	Software	POP	Provider
ix0.bknix.co.th	Nokia	7750 SR-12e	-	T.C.C Technology	Bangkok Neutral Internet Exchange (BKNIX)
ix0.bknix.co.th	Nokia	7750 SR-12e	-	T.C.C Technology	Bangkok Neutral Internet Exchange (BKNIX)
sw0.cpt0.napafrika.net	Juniper Networks	ex4200-24t	-	Teraco Data Environments Cape Town	NAPAfrica IX Cape Town (NAPAfrica)
eie-sw.gr-ix.gr	Juniper Networks	ex4500-40f	-	ATH01 (Ethniko Idryma Erevnon)	GR-IX::Athens (Greek Internet Exchange)
lh-sw.gr-ix.gr	Juniper Networks	ex4500-40f	-	ATH02 (Lamda Hellix)	GR-IX::Athens (Greek Internet Exchange)
sw0.db1.napafrika.net	Juniper Networks	ex4200-24t	-	Teraco Data Environments Durban	NAPAfrica IX Durban (NAPAfrica)
med-sw.gr-ix.gr	Juniper Networks	ex4500-40f	-	ATH03 (TI Sparkle)	GR-IX::Athens (Greek Internet Exchange)
snc-sw.thess.gr-ix.gr	Juniper Networks	ex4500-40f	-	THESS01 (Synapsecom)	GR-IX::Thessaloniki (Greek Internet Exchange)

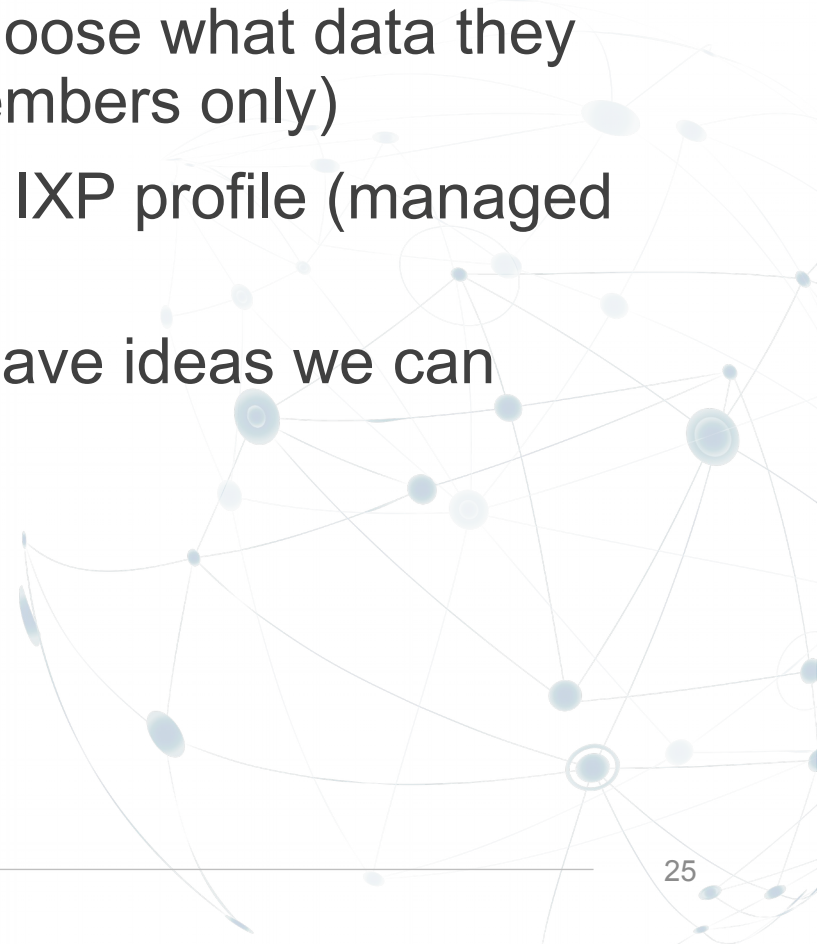




# What's next..

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- New JSON spec to be published
- API Authentication – IXPs can choose what data they want public and private (IXPs/Members only)
- Highlight ASNs not in PeeringDB IXP profile (managed by networks)
- Try it out and let us know if you have ideas we can explore..





# What's next..

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- Mailing list for users:  
<https://lists.euro-ix.net/mailman/listinfo/ixpdb>
- API is available - <https://api.ixpdb.net>

If you think this is good work, like we do, support us :)

[secretariat@euro-ix.net](mailto:secretariat@euro-ix.net)



**Thank You**

**euro-IX**