

A network diagram background consisting of a complex web of thin grey lines connecting various nodes. The nodes are represented by circles of different sizes and colors, including blue, grey, and white. Some nodes are highlighted with a glowing blue effect. The diagram is positioned in the upper left and lower left corners of the slide, with the rest of the background being a solid light grey.

euro-IX

IXPDB & Euro-IX Tools

Peering Days 2019, Zagreb



Association of IXPs

73 affiliated members

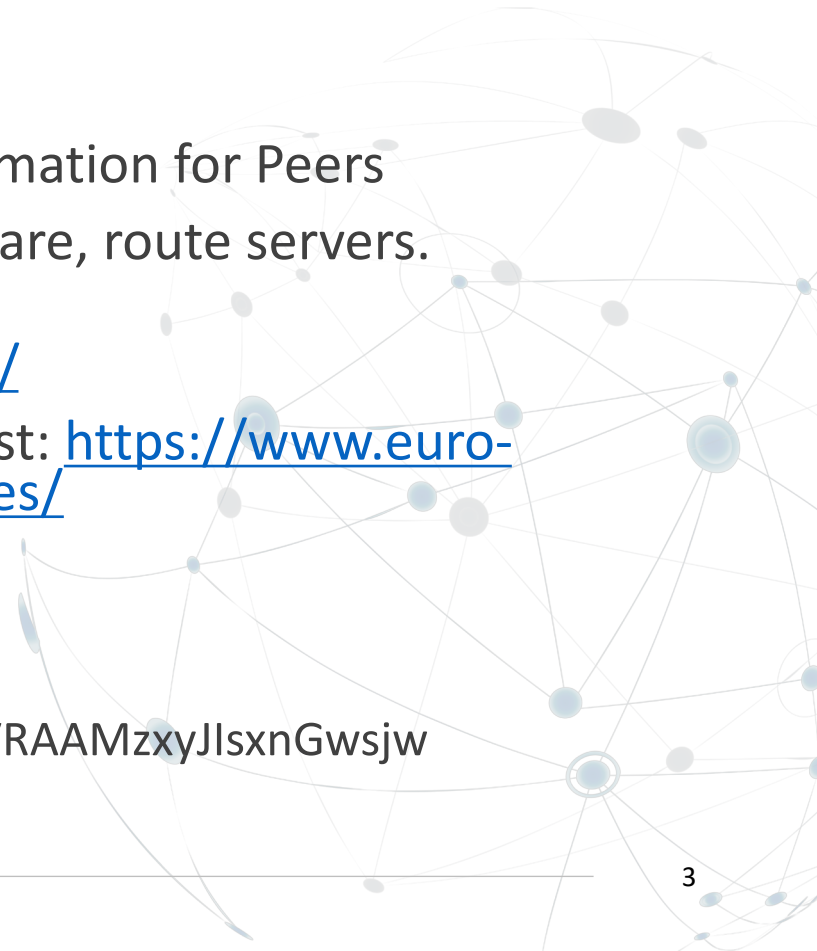
- 54 IXPs in the Euro-IX region, 49 countries, operating over 100 peering LANs
- 19 IXPs from the rest of the world
- Newest Member:
 - Piter – IX- Russia
 - IXP. Mk - Macedonia





Euro-IX Activities

- 2 Fora a year
 - 33rd in Venice hosted by NAMEX, TOP-IX and VSIX (November 2018)
 - 34th in Toulouse hosted by TOUIX and France-IX
- Website & Database
- Fellowship & Mentor-IX Programs
- Peering Toolbox – BCPs and other information for Peers
- 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/UCFyucVRAAMzxyJlsxnGwsjw





Euro-IX Patrons



NOKIA

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interxion™

JUNIPER®
NETWORKS

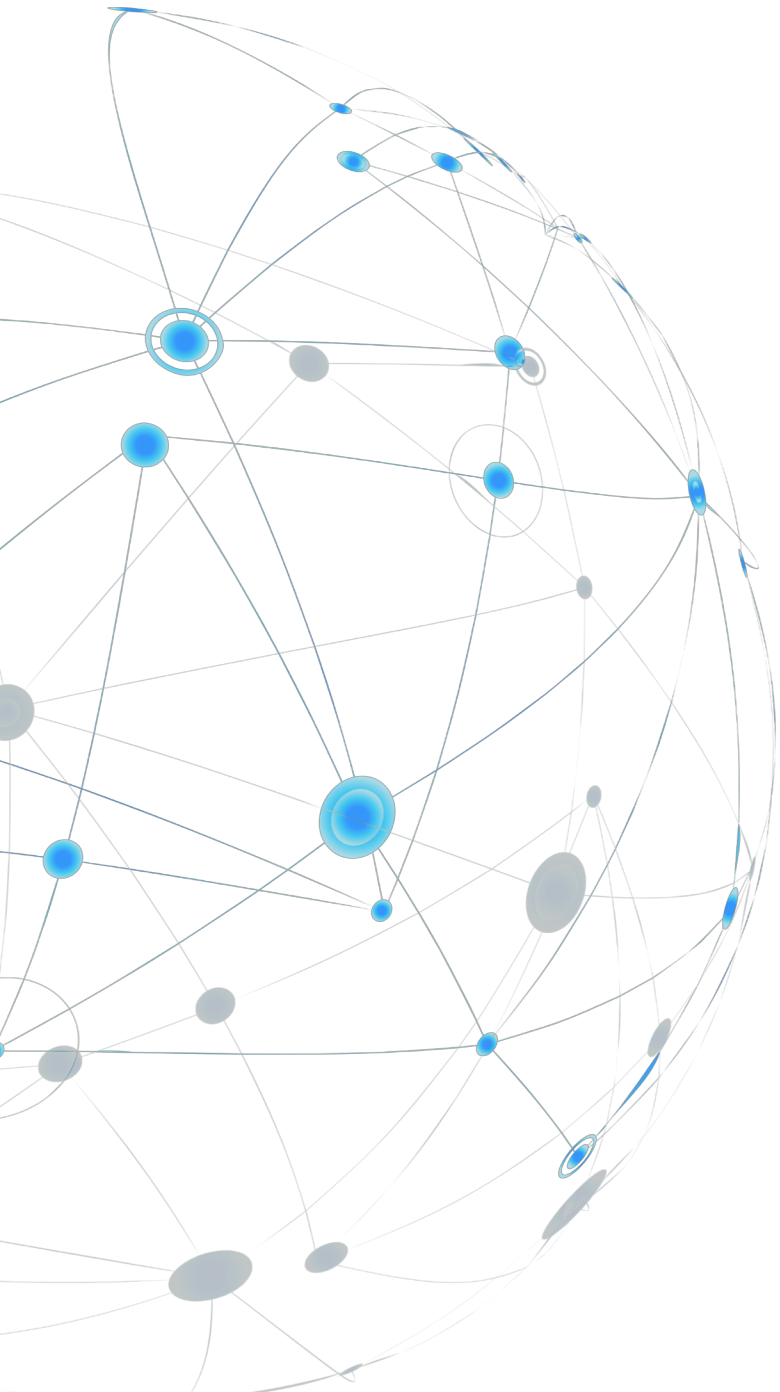
ARISTA



EQUINIX

E **Extreme**®
Connect Beyond the Network

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IXPDB & Euro-IX Tools





Some History

- It's not new, 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.
- As members of IX-F it didn't make sense for all of us to create individual databases or directories
- 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, which is also used by PeeringDB
- In 2017 we contracted the website and IXP Database work to CZ.NIC.

What we've been working on - Home

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

The screenshot shows the IXPDB website interface. At the top, there is a navigation bar with the IXPDB logo on the left and a menu on the right containing 'EURO-IX', 'IXPDB', 'VALIDATOR', 'IX-F', and 'SPONSORS'. A dropdown menu is open under 'IXPDB', listing 'IXP Directory', 'ASN Directory', 'Route Server Directory', and 'Switch Directory'. Below the navigation bar, the main content area features a section titled 'New: Regional ASN Count' with a table showing the number of ASNs and Unique ASNs for various regions. Below this is another section titled 'IXPs With the Most ASNs Connected' with a table listing IXPs by ID, Name, City, Country, Last updated, API, MANRS, and # of ASNs.

	AFIX	APIX	EURO-IX	LAC-IX	North America
# of ASNs	836	2347	11026	759	2748
# Unique ASNs	379	1141	2777	471	1013

IX-F ID	Name	City	Country	Last updated	API	MANRS	# of ASNs
9	DE-CIX FRA (DE-CIX Frankfurt)	Frankfurt am Main	DE	Feb. 11, 2019, 4:03 p.m.	✓	✓	855
2	AMS-IX	Amsterdam	NL	Feb. 11, 2019, 4:03 p.m.	✓	✓	831
1	LINX LON1	London	GB	Feb. 11, 2019, 4:03 p.m.	✓	✓	771
548	EPIX (e-Poludnie Internet Exchange)		PL	Dec. 17, 2018, 3:01 p.m.	✓	✗	473
13	msk-ix (MSK-IX public peering VLAN)	Moscow	RU	Feb. 11, 2019, 4:03 p.m.	✓	✓	452
39	Equinix Paris (Equinix Internet Exchange - Paris)	Paris	FR	Feb. 11, 2019, 4:03 p.m.	✗	✓	366
600	LINX LON2	London	GB	Feb. 11, 2019, 4:03 p.m.	✓	✓	359



What we've been working on – IXP Directory

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

IXPDB EURO-IX IXPDB VALIDATOR IX-F SPONSORS

IXP Directory
ASN Directory
Route Server Directory
Switch Directory

IXPDB / IXPDB / IXP Directory

IXP S

IX-F ID, name, city or count

Only with API

AFIX
 APIX
 Euro-IX
 LAC-IX
 North America

SEARCH

COMPARE

	IX-F ID	Name	City	Country	Last updated	API	MANRS	# of ASNs ↓
+	9	DE-CIX FRA (DE-CIX Frankfurt)	Frankfurt am Main	DE	Feb. 11, 2019, 4:03 p.m.	✓	✓	855
+	2	AMS-IX	Amsterdam	NL	Feb. 11, 2019, 4:03 p.m.	✓	✓	831
-	1	LINX LON1	London	GB	Feb. 11, 2019, 4:03 p.m.	✓	✓	771
+	548	EPIX (e-Poludnie Internet Exchange)		PL	Dec. 17, 2018, 3:01 p.m.	✓	✗	473
+	13	msk-ix (MSK-IX public peering VLAN)	Moscow	RU	Feb. 11, 2019, 4:03 p.m.	✓	✓	452
+	39	Equinix Paris (Equinix Internet Exchange - Paris)	Paris	FR	Feb. 11, 2019, 4:03 p.m.	✗	✓	366




What we've been working – IXP profile

NIX.CZ (NIX.CZ, Z.S.P.O.) IXPDB / IXPDB / IXP

IXP Networks Points of presence ASNs Traffic ▾

EDIT PROFILE

IX-F ID 15
Logo



NIX.CZ

Organisation	NIX.CZ (NIX.CZ, z.s.p.o.)
Location	, Czechia
Number of ASNs	162
Number of loca...	4
MANRS	✘
Updated	March 7, 2019, 12:03 p.m.





What we've been working on – Network tab



BIX (BUDAPEST INTERNET EXCHANGE) IXPDB / IXPDB / IXP Networks

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

10
Addresses 193.188.137.0/24

11
Addresses 2001:07f8:35::/48



What we've been working on – Points of Presence

NIX.CZ (NIX.CZ, Z.S.P.O.) IXPDB / IXPDB

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

NIX1 - ČRA DC Tower

Location
NIX1 - ČRA DC Tower, Praha 3, Czechia

Switches

Name	Connections
NIX1-acc3	CentralNic Ltd. (1000 Mb/s)
	Cloud4com, a.s. (10000 Mb/s)
	GEANT Vereniging (20000 Mb/s)
	TETA, s.r.o. (10000 Mb/s)
	Dial Telecom a.s. (20000 Mb/s)
	ACTIVE 24, s.r.o. (10000 Mb/s)
	Web4U s.r.o. (10000 Mb/s)
	FIBER Network s.r.o. (1000 Mb/s)
	CESNET, z.s.p.o. (100000 Mb/s)
	CZ.NIC (NIC.br TLD) (10000 Mb/s)
	Nordic Telecom 5G a.s. (1000 Mb/s)
	ALKOM Security, a.s. (2000 Mb/s)



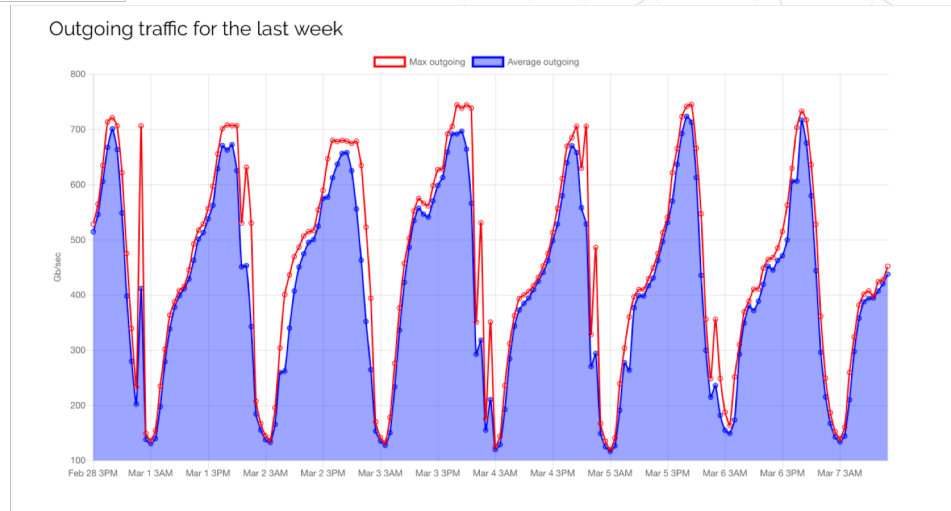
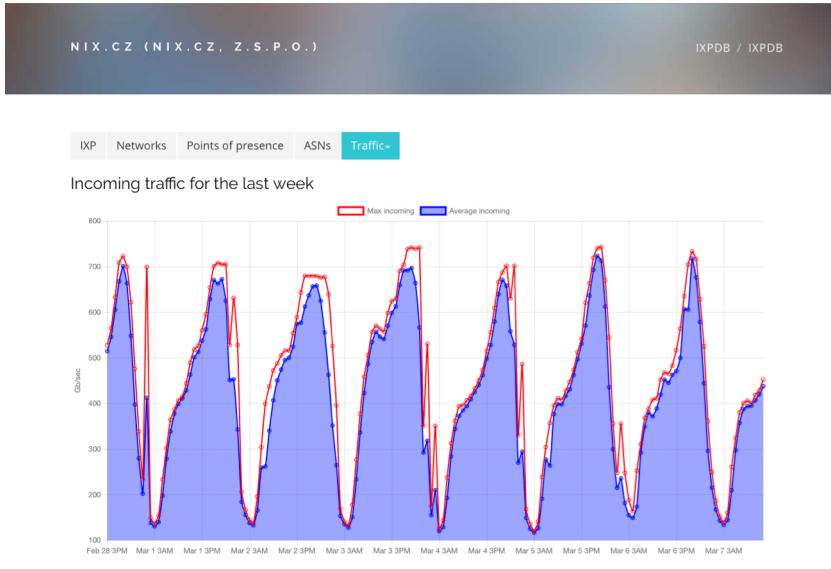
What we've been working on – ASNs

BIX (B U D A P E S T I N T E R N E T E X C H A N G E)

IXPDB / IXPDB / IXP Participants

IXP	Networks	Points of presence	ASNs	Traffic			
ASN ↓ ¹	Organisation		Type	IP addresses	MAC addresses	MANRS	# of IXP connection
1955	Hungarnet					×	2
3244	3C Telecom					×	2
5400	British Telecommunications plc (2)		NSP			×	19
5483	Magyar Telekom Nyrt.		NSP			×	7
5580	GTT Communications, Inc.		NSP			×	15
5588	Deutsche Telekom AG (ex Antel)		NSP			×	12
6663	Turk Telekom International AT AG		NSP			×	11
6830	Liberty Global Services B.V.		Cable/DSL/ISP			×	20
6939	Hurricane Electric		NSP			×	108
8075	Microsoft		Content			×	73
8448	Telenor		NSP			×	2
8462	TARR Kft.		Cable/DSL/ISP			×	4

What we've been working on – IXP Traffic



What we've been working on – Compare IXPs

IXPDB EURO-IX IXPDB VALIDATOR IX-F SPONSORS

IXP S IXPDB / IXPDB / IXP Directory

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

COMPARE	IX-F ID	Name	City	Country	Last updated	API	MANRS	# of ASNs
<input type="checkbox"/>	1	LINX LON1	London	GB	Feb. 11, 2019, 4:03 p.m.	✓	✓	771
<input type="checkbox"/>	9	DE-CIX FRA (DE-CIX Frankfurt)	Frankfurt am Main	DE	Feb. 11, 2019, 4:03 p.m.	✓	✓	855
<input type="checkbox"/>	351	NAPAfrica IX Johannesburg (NAPAfrica)		ZA	Feb. 7, 2019, 1 p.m.	✓	✗	336
<input type="checkbox"/>	548	EPIX (e-Poludnie Internet Exchange)		PL	Dec. 17, 2018, 3:01 p.m.	✓	✗	473
<input type="checkbox"/>	13	msk-ix (MSK-IX public peering VLAN)	Moscow	RU	Feb. 11, 2019, 4:03 p.m.	✓	✓	452
<input type="checkbox"/>	600	LINX LON2	London	GB	Feb. 11, 2019, 4:03 p.m.	✓	✓	359
<input type="checkbox"/>	648	NAPAfrica IX Cape Town (NAPAfrica)		ZA	Feb. 7, 2019, 1 p.m.	✓	✗	170
<input type="checkbox"/>	148	SIX (Seattle Internet Exchange)		US	Feb. 6, 2019, 1 a.m.	✓	✗	326
<input type="checkbox"/>	15	NIX.CZ (NIX.CZ, z.s.p.o.)		CZ	Feb. 11, 2019, 5 a.m.	✓	✗	163
<input type="checkbox"/>	436	EPIX Warsaw (e-Poludnie Internet Exchange)		PL	Dec. 17, 2018, 3:01 p.m.	✓	✗	324

Select the IXPs you want to compare and click here to see the results

What we've been working on – Compare IXPs

IXP COMPARISON

IXPDB / IXPDB / IXP Directory / Providers Comparison

	BIX (Budapest Internet Exchange)	NIX.CZ (NIX.CZ, z.s.p.o.)	VIX (Vienna Internet Exchange)
Number of locations	3	4	0
MANRS	✗	✗	✗
Type	Non-profit	Non-profit	Non-profit
Joining requirements	Legal entity AS number BGP-4	Own autonomous system, registered routing policy. Detailed info are available at http://www.nix.cz/en/connect#connect	own AS number and IP addresses with Global Internet Connectivity https://www.vix.at/vix_prerequisites.html
Application form	https://meu.ptt.br	http://www.nix.cz/en/connect#connect	https://www.vix.at/vix_connection.html
Monitoring tools		MRTG, arpwatc, RTG, smokeping, IXPwatch, Nagios, ndpmon, Icinga, Observium	Icinga, pnp4nagios, IXP-Watch, sFlow
Topology	http://ptt.br/trafego/pix/sp	http://www.nix.cz/cs/technical#topology	
Reseller program	✗	✓	✓
Private peering	✓	✓	✓
24x7 services	✓	✓	✓
24x7 access	✓	✓	✓
Multi-protocol Labels, MPLS	✓	✗	✗
Jumbo frames	✗	✓	✗
Maximum Transmission Unit, MTU	-	9216	1500

What we've been working on – Compare IXPs

	BIX (Budapest Internet Exchange)	NIX.CZ (NIX.CZ, z.s.p.o.)	VIX (Vienna Internet Exchange)
Speed 10M	-	-	-
Speed 100M	-	-	-
Speed 1G	-	2000 CZK	400 EUR
Speed 10G	-	14000 CZK	550 EUR
Speed 40G	-	40000 CZK	-
Speed 100G	-	50000 CZK	3500 EUR
Number of ASNs	66	162	142
Common ASNs	#9 Cloudflare Inc. VEON Wholesale Services B.V. Liberty Global Services B.V. Interoute Czech, s.r.o. British Telecommunications plc (2) Hurricane Electric Microsoft Serbia Broadband Turk Telekom International AT AG		
Unique ASNs	#50 23VNet 3C Telecom ACE Telecom ActivCom Antenna Hungária BH Telecom Deninet Kft. DIGI Docler Holding S.à r.l. DoclerNet Hosting Drávanet Externet EZIT Giganet Hunanet	#130 2 connect a.s. a-net Liberec s.r.o. ACTIVE 24, s.r.o. ALKOM Security, a.s. AmigoNet s.r.o. ANTIK Telecom, s.r.o. AVAST Software s.r.o. AVONET online, s.r.o. C2NET s.r.o. Casablanca INT, s.r.o. CC INTERNET s.r.o. ČD-Telematika, a.s. CentralNic Ltd. CentralNic Ltd. CentralNic Ltd.	#109 ACOnet Akton d.o.o. ANEXIA Internetdienstleistungs GmbH APA ASFINAG AtNOC Clemens Zauner e. U. Automatic AZISTA GmbH BIOS Cablevision Citycom Telekommunikation GmbH COLT Telecom Ltd. COSYS DATA GmbH CZ.NIC DENIC



What we've been working on – ASN Directory

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

IXPDB

EURO-IX IXPDB VALIDATOR IX-F SPONSORS

IXP Directory
ASN Directory
 Route Server Directory
 Switch Directory

IXPDB / IXPDB / ASN Directory

ASNS

ASN, participant name, city SEARCH

COMPARE	ASN	Organisation	Type	IP addresses	MAC addresses	MANRS	# of IXP connection ↓
+	6939	Hurricane Electric	NSP	103.247.139.6 185.1.114.20 105.1.68.17	00:0c:db:de:68:33 cc:4e:24:1f:28:d3 60:0c:06:03:20:0b	✘	105
-	15169	Google	Content	103.247.139.57 185.1.114.26 105.1.68.2	84:18:88:04:5f:ca 88:a2:5e:10:17:c4 e4:5e:76:7b:73:27	✘	92
-	20940	Akamai Technologies, Inc.	Content	103.247.139.17 103.247.139.73 105.1.114.41	84:c1:c1:07:65:52 ec:13:db:f0:37:0b cc:13:db:f0:37:0b	✘	90
+	3856	Packet Clearing House (PCH)	Educational/Research	185.1.58.30 185.1.68.15 105.1.68.64	00:0c:29:b9:25:ee 00:0c:29:94:58:41 00:0c:29:93:8b:73	✘	81
+	42	Packet Clearing House (PCH)	Educational/Research	185.1.58.29 185.1.68.87 105.1.68.60	7c:69:f6:43:0f:b2 54:a2:74:72:9d:91 74:a0:b2:66:05:50	✘	75
+	8075	Microsoft	Content	103.247.139.28 176.126.38.18 176.126.38.20	64:64:9b:b5:59:c7 64:64:9b:b7:a9:c4 64:64:9b:b7:a9:c4	✘	69
+	13335	Cloudflare Inc.	Content	103.247.139.50 176.126.38.5	58:00:bb:fa:9e:31 7c:25:86:ee:db:7c	✘	64

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

COMPARE	ASN	Organisation	Type	IP addresses	MAC addresses	MANRS	# of IXP connection
<input type="button" value="+"/>	6939	Hurricane Electric	NSP	103.247.139.6 185.1.114.20 185.1.114.17	00:0c:db:de:68:33 cc:4e:24:1f:28:d3 60:a2:06:92:20:06	✗	105
<input type="button" value="+"/>	15169	Google	Content	103.247.139.57 185.1.114.26 185.1.114.2	84:18:88:04:5f:ca 88:a2:5e:10:17:c4 64:65:26:7b:73:e7	✗	92
<input type="button" value="-"/>	20940	Akamai Technologies, Inc.	Content	103.247.139.17 103.247.139.73 185.1.114.41	84:c1:c1:07:65:52 ec:13:db:f0:37:0b cc:12:db:f0:37:0b	✗	90
<input type="button" value="+"/>	3856	Packet Clearing House (PCH)	Educational/Research	185.1.58.30 185.1.68.15 185.1.68.61	00:0c:29:b9:25:ee 00:0c:29:94:58:41 00:0c:29:92:8b:73	✗	81
<input type="button" value="+"/>	42	Packet Clearing House (PCH)	Educational/Research	185.1.58.29 185.1.68.87 185.1.68.60	7c:69:f6:43:0f:b2 54:a2:74:72:9d:91 74:a0:b2:66:2f:50	✗	75
<input type="button" value="+"/>	8075	Microsoft	Content	103.247.139.28 176.126.38.18 176.126.38.28	64:64:9b:b5:59:c7 64:64:9b:b7:a9:c4 64:64:9b:b7:a9:c4	✗	69
<input type="button" value="+"/>	13335	Cloudflare Inc.	Content	103.247.139.50 176.126.38.5	58:00:bb:fa:9e:31 74:65:86:60:4b:73	✗	64



What we've been working on – Compare ASNs

IXPDB		EURO-IX	IXPDB	VALIDATOR	IX-F	SPONSORS
ASNS COMPARISON		IXPDB / IXPDB				
	Akamai Technologies, Inc.					Limelight Networks UK Ltd.
	-					-
MANRS	×					×
ASN	20940					22822
Type	Content					Content
Number of IXPs	90					60
Common IXPs	#48 LINX LON1 AMS-IX VIX (Vienna Internet Exchange) Netnod - Stockholm (Netnod - Stockholm) MIX (Milan Internet Exchange) DE-CIX FRA (DE-CIX Frankfurt) NIX.CZ (NIX.CZ, z.s.p.o.) AMS-IX USA Chicago Equinix Zurich (Equinix Internet Exchange - Zurich) NL-ix (Neutral Internet Exchange) SwissIX (SwissIX - Swiss Internet Exchange) Equinix WA IX (Equinix Warsaw) InterLAN Internet Exchange (Interlan IX) Equinix Paris (Equinix Internet Exchange - Paris) France-IX Paris (France-IX Paris)					



What we've been working on - Compare ASNs

	Akamai Technologies, Inc.	Limelight Networks UK Ltd.
Unique IXPs	#42 AAIX (Alpes Adria Internet Exchange) AMS-IX Caribbean AMS-IX USA Bay Area Bangkok Neutral Internet Exchange (BKNIX) BBIX - Tokyo (BroadBand Internet eXchange - Tokyo) Big APE (The big apple peering Exchange) BIX.BG (Bulgarian Internet eXchange) BostonIX (Markley Boston Internet Exchange) CATNIX (Catalunya Neutral Internet eXchange) CRIX (NIC Costa Rica - Academia Nacional de Ciencias) DE-CIX Dallas (DE-CIX Dallas) DE-CIX Istanbul (DE-CIX Istanbul) Digital Realty - Phoenix (Digital Realty Phoenix) DIX - Lyngby (Danish Internet eXchange point) ECIX-BER ECIX-HAM ECIX-MUC Equinix Singapore (Equinix Singapore Exchange) Equinix Sydney (Equinix Sydney Data Centers) France-IX Marseille (Marseille IX) GIGAPIX (Gigabit Portuguese Internet Exchange)	#12 Any2 (CoreSite) Chicago (Any2 (CoreSite) Chicago) AZIX (Arizona Internet Exchange) DE-CIX Marseille (DE-CIX Marseille) DE-CIX PMO (DE-CIX Palermo) Digital Realty - New York (Digital Realty New York) LAIX (Los Angeles International IX) LINX LON2 PAIX Virginia (Palo Alto Internet Exchange Virginia) PIX Vancouver (Peer1 Internet Exchange Vancouver) SFNIX (Service for French Internet eXchange) SFMIX (San Francisco Metropolitan Internet Exchange) TOP-IX (Torino Piemonte Exchange Point)



What we've been working on..

Don't forget to clear your search 😊

	1	LINX LON1	London	GB	Oct. 30, 2018, 2 p.m.	✓	756
	600	LINX LON2	London	GB	Oct. 30, 2018, 1 p.m.	✓	356
	349	LINX Manchester	Manchester	GB	Oct. 30, 2018, 1 p.m.	✓	100
	426	LINX NoVA	Ashburn	US	Oct. 30, 2018, 1 p.m.	✓	46



Added to compare: 7,11,55

Total providers: 77





What we've been working on - ASN Details

AKAMAI TECHNOLOGIES, INC.

ASN

IXPs

Organisation	Akamai Technologies, Inc.
ASN	20940
PeeringDB	http://as20940.peeringdb.com
MANRS	✘
Updated	Dec. 18, 2018, 11:01 a.m.

What we've been working on - ASN Details

AKAMAI TECHNOLOGIES, INC.

IXPDB / IXPDB / Participant Providers

ASN

IXPs

IX-F ID	Name	City	Country	Last updated	API	MANRS	# of ASNs
1	LINX LON1	London	GB	Feb. 25, 2019, 6:04 a.m.	✓	✓	774
2	AMS-IX	Amsterdam	NL	Feb. 25, 2019, 6:04 a.m.	✓	✓	832
3	VIX (Vienna Internet Exchange)		AT	Feb. 20, 2019, 2:01 p.m.	✓	✗	142
5	Netnod - Stockholm (Netnod - Stockholm)	Stockholm	SE	Feb. 25, 2019, 6:04 a.m.	✗	✓	159
8	MIX (Milan Internet Exchange)		IT	Feb. 25, 2019, 6:04 a.m.	✓	✓	250
9	DE-CIX FRA (DE-CIX Frankfurt)	Frankfurt am Main	DE	Feb. 25, 2019, 6:04 a.m.	✓	✓	854
10	GIGAPIX (Gigabit Portuguese Internet Exchange)		PT	Feb. 20, 2019, 10:06 a.m.	✓	✗	33
11	CATNIX (Catalunya Neutral Internet eXchange)		ES	Feb. 25, 2019, 6:04 a.m.	✓	✓	41
13	msk-ix (MSK-IX public peering VLAN)	Moscow	RU	Feb. 25, 2019, 6:04 a.m.	✓	✓	450
15	NIX.CZ (NIX.CZ, z.s.p.o.)		CZ	Feb. 25, 2019, 1 a.m.	✓	✗	163



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


ASN	IPv4	IPv6	VLAN	Provider ↓ ¹ / ₂
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

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

- New JSON spec to be published
 - Further Route Server & Switch data
- 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)
- Other data collection work with Route Servers – prefix / ASNs
- Work with IXPs to implement a solution – how to guides / tutorials / IXP Manager / Asteroid / Support from other IXPs
- You too can help, speak to your IXPs
- 88 APIs today!



Other Information

- Mailing list for users - <https://lists.euro-ix.net/mailman/listinfo/ixpdb>
- GitHub JSON Member List Schema – <https://github.com/euro-ix/json-schemas>
- API is live – <https://api.ixpdb.net>
- IXPDB admin team - ixpdb-admin@euro-ix.net

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

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