RIPE 84 – Euro-IX Update

Bijal Sanghani - Euro-IX

EURO-IX MEMBERS

EURO-IX PATRONS

Membership Association of IXPs

Events

- Two Membership events per year hosted by our Members
- Workshops & hackathons
- Online/ virtual workshops

Services

- Reports
- Newsletters
- Mailing list
- IXP Benchmarking

Tools & Community Projects

- Internet eXchange Point Database – IXPDB
- Peering Toolbox
- Fellowship & Mentor-IX
- Route Server Large BGP Communities list
- A new IXP Film

DE-CIX Update

- Introduction of EVPN (rollout planned for Q3 globally)
- IX-API and Self-Service Portal: Work on specification of IX-APIv3 started, focus on Monitoring and Statistics
- AqabaIX powered by DE-CIX: Aqaba Digital Hub and DE-CIX partner to bring the a neutral Internet Exchange to Jordan

DE-CIX Update

- IRAQ-IX powered by DE-CIX: This first neutral Internet Exchange is coming to Iraq.
- DE-CIX Phoenix is ready for service since March
- DE-CIX Frankfurt peaked at 11 Tbps, DE-CIX New York City topped 1Tbps of peak traffic

InterLAN Update

- 125 ASNs connected, daily peak traffic 380 Gbps
- blackholing solution implemented in Q1, 2022
- complete migration from Cisco to Arista in all POPs
- commitment to support community projects IXP Manager, PeeringDB and Global NOG Alliance

LU-CIX Update

To improve service quality & to aid in preventing blackhole situations, LU-CIX now recommends to its members to use BFD on peering sessions. On the route servers, BFD has been enabled in passive mode for all sessions.

Anybody interested in the topic is invited to join the BFD workshop at Euro-IX36 in Tampere, Finland.

At this workshop moderated by DE-CIX, LU-CIX will present their BFD implementation and a return of experience.

SOLAS – INEX photo competition

- For the worldwide peering community
- www.inex.ie/solas
- **Open for entries until 1st Sept**
- Community, fun… no need to be an expert photographer!
- Great prizes

peering :toolbox

peeringtoolbox.euro-ix.net

Peering Toolbox

New tool for the Community

euro-IX

What is the Peering Toolbox?

By the Community

- Community focused Euro-IX project
- Organisations involved include LINX, NAPAfrica, Kentik, HEAnet

Aims

- Provide a learning structure and best practice information for new entrants into the interconnection community

Aims

- The toolbox will act as a reference/guide that IXPs and networks can point others to for best practice information and learn how meet the IXP and peers requirements

IXPDB Status

Leo Vegoda – Product Manager

Homepage Statistics - Live Data

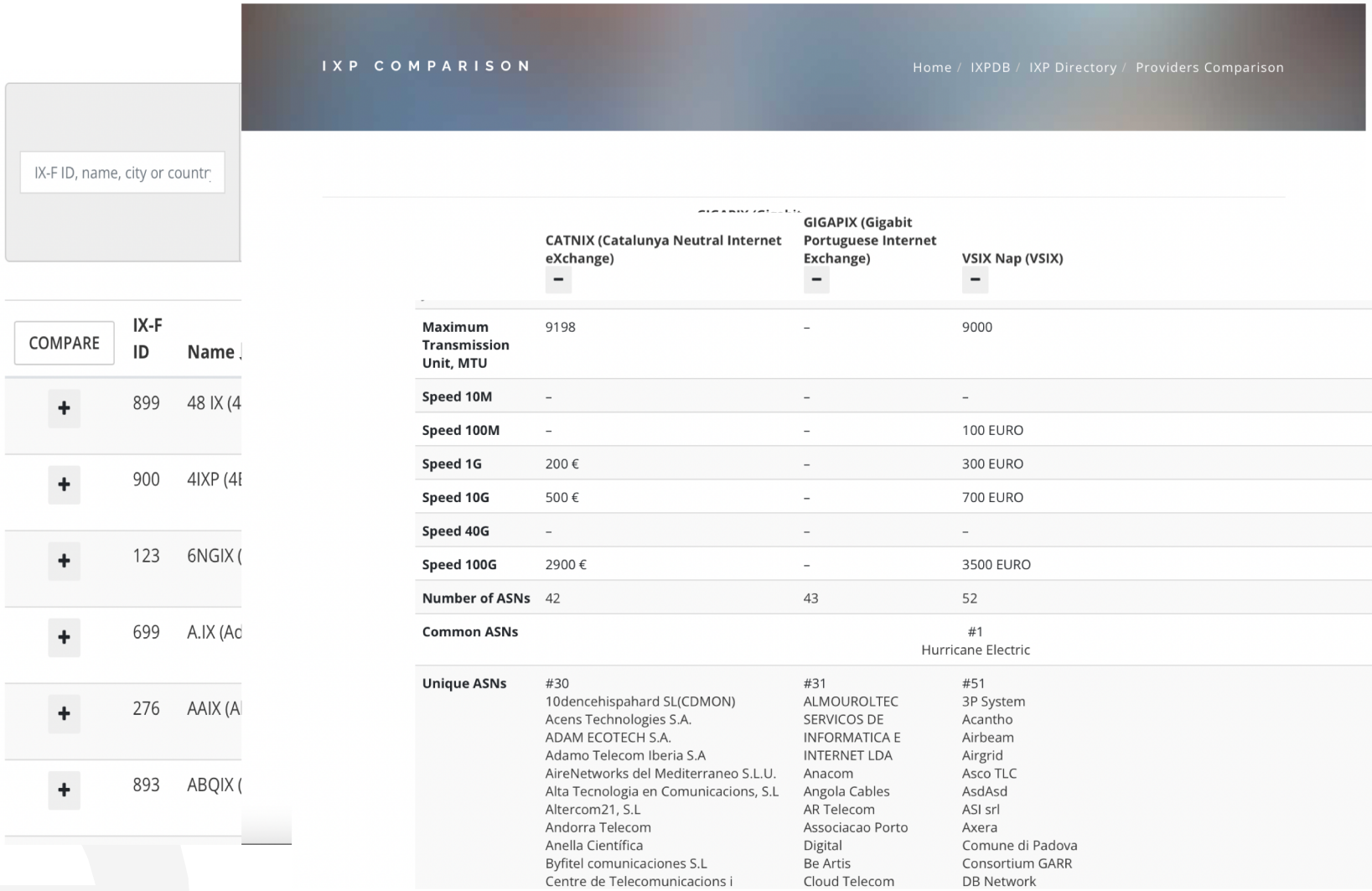
IXPs by Connected ASNs

Name	City	Country	Last updated	API	Traffic	MANRS	# of ASNs
IX.br Sao Paulo, SP (SP))	São Paulo	BR	2021-09-23 8:11:49 UTC	✔	✖	✖	2413
DE-CIX FRA (DE-CIX Frankfurt)	Frankfurt am Main	DE	2022-04-20 18:08:58 UTC	✔	✖	✔	1067
AM							
LIN							
EPI							
NAI							
EPI							
IX.b							
Dat							
IX.b							

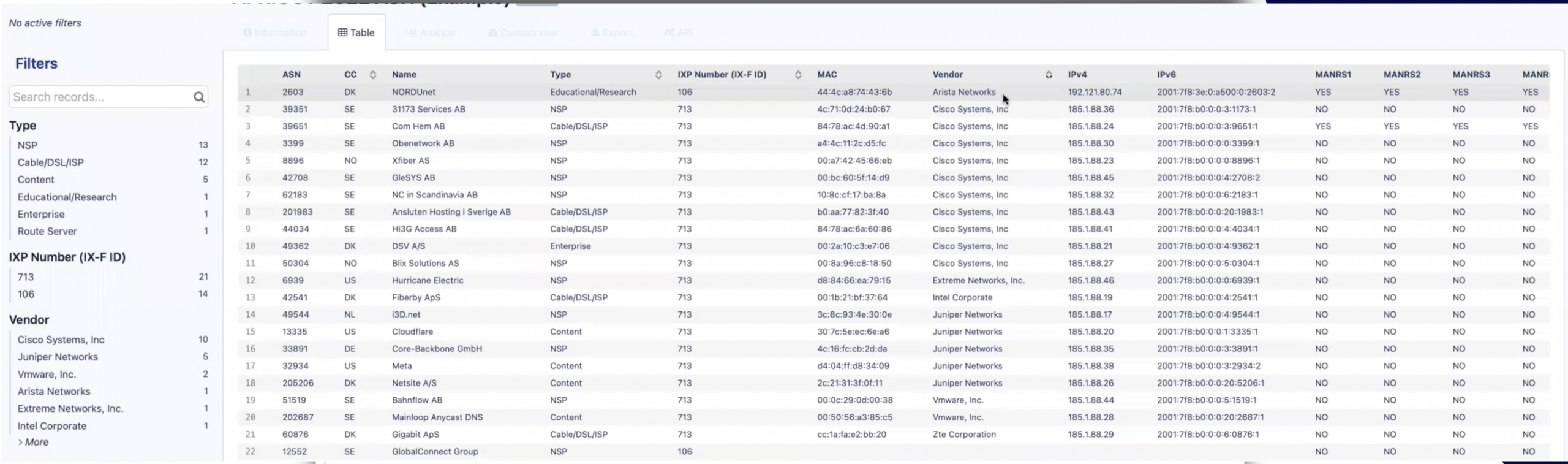
Newest IXPs in the Database

Name	City	Country	Last updated	API	Traffic	MANRS	# of ASNs
Era-IX	Amsterdam	NL	2022-04-20 14:12:06 UTC	✖	✖	✖	0
Namex Bari	Bari	IT	2022-04-06 8:37:12 UTC	✖	✖	✖	0
AMS-IX Singapore	Singapore	SG	2022-04-04 10:13:41 UTC	✖	✖	✖	0
AMS-IX Hyderabad	Hyderabad	IN	2022-04-04 10:05:33 UTC	✖	✖	✖	0
DE-CIX Phoenix	Phoenix	US	2022-04-20 18:08:55 UTC	✖	✖	✔	0

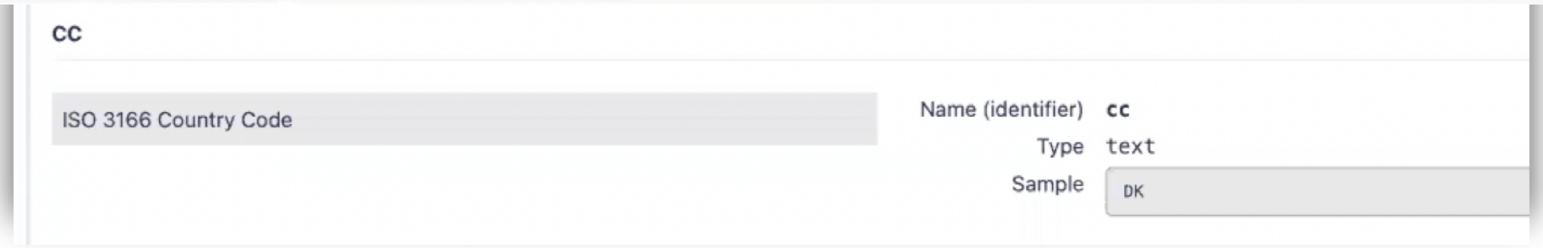
IXP Directory and Compare Tool



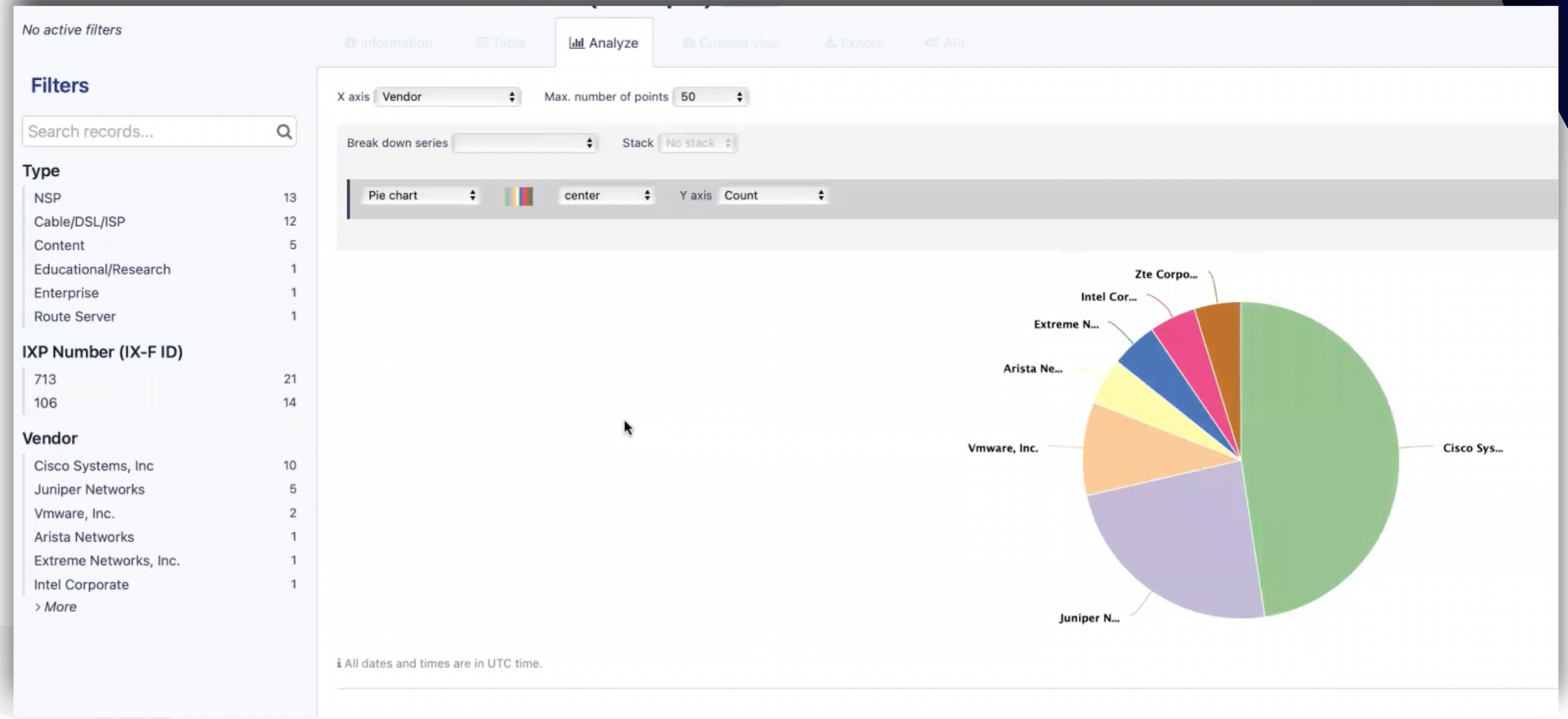
Metadata and dynamically filtered tables



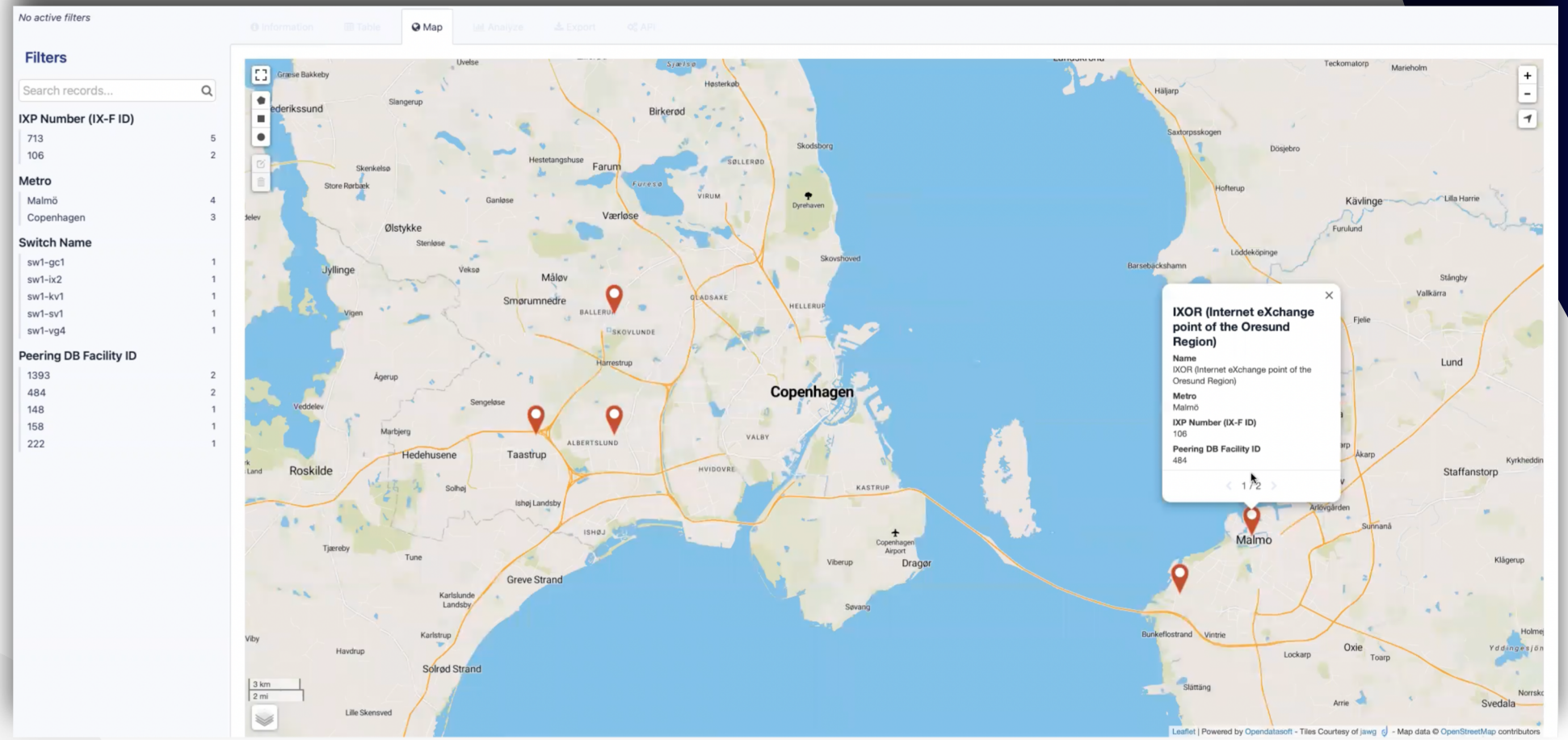
	ASN	CC	Name	Type	IXP Number (IX-F ID)	MAC	Vendor	IPv4	IPv6	MANRS1	MANRS2	MANRS3	MANR
1	2603	DK	NORDUnet	Educational/Research	106	44:4c:a8:74:43:6b	Arista Networks	192.121.80.74	2001:7f8:3e:0:a500:0:2603:2	YES	YES	YES	YES
2	39351	SE	31173 Services AB	NSP	713	4c:71:0d:24:b0:67	Cisco Systems, Inc	185.1.88.36	2001:7f8:b0:0:0:3:1173:1	NO	NO	NO	NO
3	39651	SE	Com Hem AB	Cable/DSL/ISP	713	84:78:ac:4d:90:a1	Cisco Systems, Inc	185.1.88.24	2001:7f8:b0:0:0:3:9651:1	YES	YES	YES	YES
4	3399	SE	Obenetwork AB	NSP	713	a4:4c:11:2c:d5:fc	Cisco Systems, Inc	185.1.88.30	2001:7f8:b0:0:0:0:3399:1	NO	NO	NO	NO
5	8896	NO	Xfiber AS	NSP	713	00:a7:42:45:66:eb	Cisco Systems, Inc	185.1.88.23	2001:7f8:b0:0:0:0:8896:1	NO	NO	NO	NO
6	42708	SE	GleSYS AB	NSP	713	00:bc:60:5f:14:d9	Cisco Systems, Inc	185.1.88.45	2001:7f8:b0:0:0:4:2708:2	NO	NO	NO	NO
7	62183	SE	NC in Scandinavia AB	NSP	713	10:8c:cf:17:ba:8a	Cisco Systems, Inc	185.1.88.32	2001:7f8:b0:0:0:6:2183:1	NO	NO	NO	NO
8	201983	SE	Ansluten Hosting i Sverige AB	Cable/DSL/ISP	713	b0:aa:77:82:3f:40	Cisco Systems, Inc	185.1.88.43	2001:7f8:b0:0:0:20:1983:1	NO	NO	NO	NO
9	44034	SE	Hi3G Access AB	Cable/DSL/ISP	713	84:78:ac:6a:60:86	Cisco Systems, Inc	185.1.88.41	2001:7f8:b0:0:0:4:4034:1	NO	NO	NO	NO
10	49362	DK	DSV A/S	Enterprise	713	00:2a:10:c3:e7:06	Cisco Systems, Inc	185.1.88.21	2001:7f8:b0:0:0:4:9362:1	NO	NO	NO	NO
11	50304	NO	Blix Solutions AS	NSP	713	00:8a:96:c8:18:50	Cisco Systems, Inc	185.1.88.27	2001:7f8:b0:0:0:5:0304:1	NO	NO	NO	NO
12	6939	US	Hurricane Electric	NSP	713	d8:84:66:ea:79:15	Extreme Networks, Inc.	185.1.88.46	2001:7f8:b0:0:0:0:6939:1	NO	NO	NO	NO
13	42541	DK	Fiberby ApS	Cable/DSL/ISP	713	00:1b:21:bf:37:64	Intel Corporate	185.1.88.19	2001:7f8:b0:0:0:4:2541:1	NO	NO	NO	NO
14	49544	NL	i3D.net	NSP	713	3c:8c:93:4e:30:0e	Juniper Networks	185.1.88.17	2001:7f8:b0:0:0:4:9544:1	NO	NO	NO	NO
15	13335	US	Cloudflare	Content	713	30:7c:5e:ec:6e:a6	Juniper Networks	185.1.88.20	2001:7f8:b0:0:0:1:3335:1	NO	NO	NO	NO
16	33891	DE	Core-Backbone GmbH	NSP	713	4c:16:fc:cb:2d:da	Juniper Networks	185.1.88.35	2001:7f8:b0:0:0:3:3891:1	NO	NO	NO	NO
17	32934	US	Meta	Content	713	d4:04:ff:d8:34:09	Juniper Networks	185.1.88.38	2001:7f8:b0:0:0:3:2934:2	NO	NO	NO	NO
18	205206	DK	Netsite A/S	Content	713	2c:21:31:3f:0f:11	Juniper Networks	185.1.88.26	2001:7f8:b0:0:0:20:5206:1	NO	NO	NO	NO
19	51519	SE	Bahnflow AB	NSP	713	00:0c:29:0d:00:38	Vmware, Inc.	185.1.88.44	2001:7f8:b0:0:0:5:1519:1	NO	NO	NO	NO
20	202687	SE	Mainloop Anycast DNS	Content	713	00:50:56:a3:85:c5	Vmware, Inc.	185.1.88.28	2001:7f8:b0:0:0:20:2687:1	NO	NO	NO	NO
21	60876	DK	Gigabit ApS	Cable/DSL/ISP	713	cc:1a:fa:e2:bb:20	Zte Corporation	185.1.88.29	2001:7f8:b0:0:0:6:0876:1	NO	NO	NO	NO
22	12552	SE	GlobalConnect Group	NSP	106					NO	NO	NO	NO



Dynamic charting



Interactive maps



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 – https://api.ixpdb.net
- Website - https://ixpdb.euro-ix.net/en/
- IXPDB admin team - ixpdb-admin@euro-ix.net

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Thank You!