PeeringDB

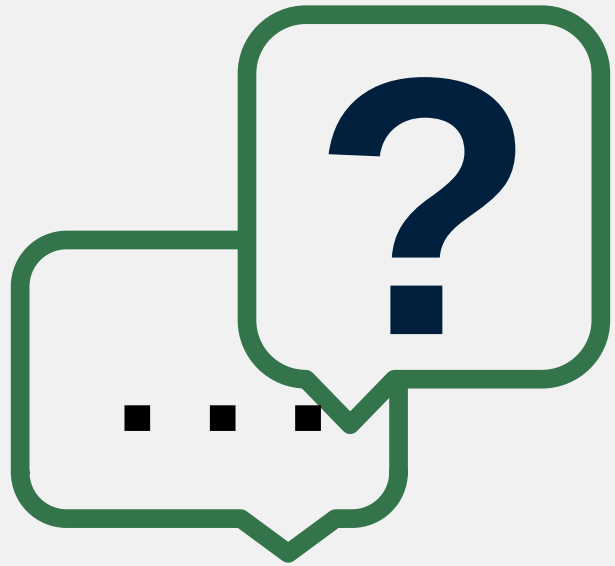
What’s new on PeeringDB?

Livio Morina- Board Member
livio@peeringdb.com

What is PeeringDB?

Mission statement: "PeeringDB, a nonprofit member-based organization, facilitates the exchange of user maintained interconnection related information, primarily for Peering Coordinators and Carrier, Internet Exchange, Facility, and Network Operators."

- **A PeeringDB record makes it easy for people to find you,** and helps you to establish peering
- If you aren't registered in PeeringDB, you can register at https://www.peeringdb.com/register
- We use basic verification for new accounts and require current whois information, so please
  - Update and maintain your whois information
  - Register from an email address associated with your ASN /company



Governance and Membership

- PeeringDB is a United States 501(c)(6) volunteer organization that is 100% funded by sponsorships
- Healthy organization, building financial reserves and executing the long term strategic plan
- Membership rules
  - A corporation, limited liability company, partnership or other legal business entity may be a Member of the Corporation
  - Membership is determined by having both an active PeeringDB.com account and an individual representative or role subscription to the PeeringDB Governance mailing list
  - 462 addresses subscribed to the Governance mailing list (as of June 19, 2023)
  - Governance list is at https://lists.peeringdb.com/cgi-bin/mailman/listinfo/pdb-gov
  - More information available at https://docs.peeringdb.com/gov/

Board of Directors and Officers

Shawna Bong – Secretary and Treasurer (Officer)

Aaron Hughes – Vice President (Term Expires 2026)

Rahul Makhija – Director (Term Expires 2025)

Christopher Malayter – President (Term Expires 2025)

Livio Morina – Director (Term Expires 2025)

Job Snijders – Director (Term Expires 2026)

Committees

Admin Committee	Operations Committee	Outreach Committee	Product Committee
• Manage administration of user accounts and PeeringDB records • Answer support tickets • Cleansing and completion of PeeringDB records	• Manage PeeringDB infrastructure	• Manage marketing and social media • Develop and maintain presentations, workshops and webinars • Coordinate presentations and attendance at events	• Manage roadmap and development priorities • Ask for input from the community on desired features • Write SoWs to solicit bids to complete requested features
Leads: Chriztoffer Hansen (Chair) and Peter Helmenstine (Vice Chair) Contact: admincom@lists.peeringdb.com	Leads: Job Snijders (Chair) and Aaron Hughes (Vice Chair) Contact: pdb-ops@lists.peeringdb.com	Leads: Ben Ryall (Chair) Contact: outreachcom@lists.peeringdb.com	Leads: Jack Carrozzo (Chair) and Matt Griswold (Vice Chair) Product Manager: Leo Vegoda Contact: productcom@lists.peeringdb.com

What is PeeringDB?

Why should my **network** be listed in PeeringDB?

- It helps establish new peering more efficiently, with all information easy to find in one place
  - Maintain all of your contact and connection info
  - Find other network's peering contact and connection info
  - Find interconnection facility and IXP info
- **A PeeringDB record is required by many networks to peer**
- Can be used for automation to generate router configurations
  - Initial configuration to setup peering quickly
  - Update configuration if maximum prefixes change

PeeringDB

Search here for a network, IX, or facility.

Advanced Search Legacy Search

airbeam

English (English)

Telia Helsinki Datacenter

Networks **18**

Local Exchanges **4**

EXPORT

Organization	Telia Company
Also Known As	
Long	
Com	
Add	
Add	
Floo	
Suit	
Loca	
Cou	
Con	
Geo	
CLL	
NPA-NXX	
Last Updated	2020-02-13T21:31:48Z
Notes	
Technical Email	
Technical Phone	
Sales Email	

Exchanges

Filter

Exchange	Long Name	Networks
DATAIX	GlobalNet	379
FICIX 1 (Espoo)	FICIX 1 Espoo	29
Netnod Helsinki BLUE -- MTU9K		14
Netnod Helsinki GREEN -- MTU9K		13

Carriers

Filter

Carrier
Arelion
Global Network Management

Networks

Filter

Peer Name	ASN
Anexia	42473
Arelion (Twelve99)	1299
Bahnhof	8473
Cinia Oy	20904
EuroQuest	45010
Fastly, Inc.	54113
FNE-Finland Oy	47605
Google LLC	15169
Istekki	198024
LocalNet	204779
Nebula Oy	29422
PacketHub AS141039	141039
RETN	9002
S1 NETWORKS AS	199508
SuomiCommunications	16302
Telia Finland	1759
Telia Finland (MPLS VPN Services)	12582
UpCloud	202053

peeringdb.com/org/16175

PeeringDB

Search here for a network, IX, or facility.

airbeam

PeeringDB

Search here for a network, IX, or facility.

Advanced Search Legacy Search

airbeam

English (English)

Airbeam Carrier

Edit

EXPORT

Organization	Airbeam S.r.l.
Also Known As	
Long Name	
Company Website	http://www.airbeam.it
Last Updated	2023-11-20T20:14:40Z
Notes	

Facilities

Filter

Facility	Country	City
Balkan Gate	Greece	Thessaloniki
C21	Italy	Milan
Data Felix DF01	Italy	Caserta
Lancom Athens DC	Greece	Athens
Lancom Thessaloniki DC	Greece	Thessaloniki
MIX	Italy	Milano
Naquadria Datacenter Piacenza	Italy	Piacenza
Telnet Caldera Milan	Italy	Milan
VSIX	Italy	Padova

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About

Global System Statistics

Name

No filter matches.
You may filter by **Name**

New Object “Carrier”

- New pillar of data besides *net*|work, *fac*|ility and *ix*
- A “Carrier” provides high capacity L1/L2 links between facilities.
- API: carrier and carrierfac
- Released with 2.43.0 (Release Date: 25 January 2023)
- See also the blog about the carrier object

This is the first new pillar of data we’ve introduced for several years. Take a look and tell us how we can improve our implementation.

PeeringDB

Search here for a network, IX, or facility.

Advanced Search Legacy Search

airbeam

English (English)

Airbeam Carrier

Cancel Save

Organization	Airbeam S.r.l.
Also Known As	
Long Name	
Company Website Override	http://www.airbeam.it

+ Social Media

Last Updated	2023-11-20T20:14:40Z
Notes	

Facilities

Filter

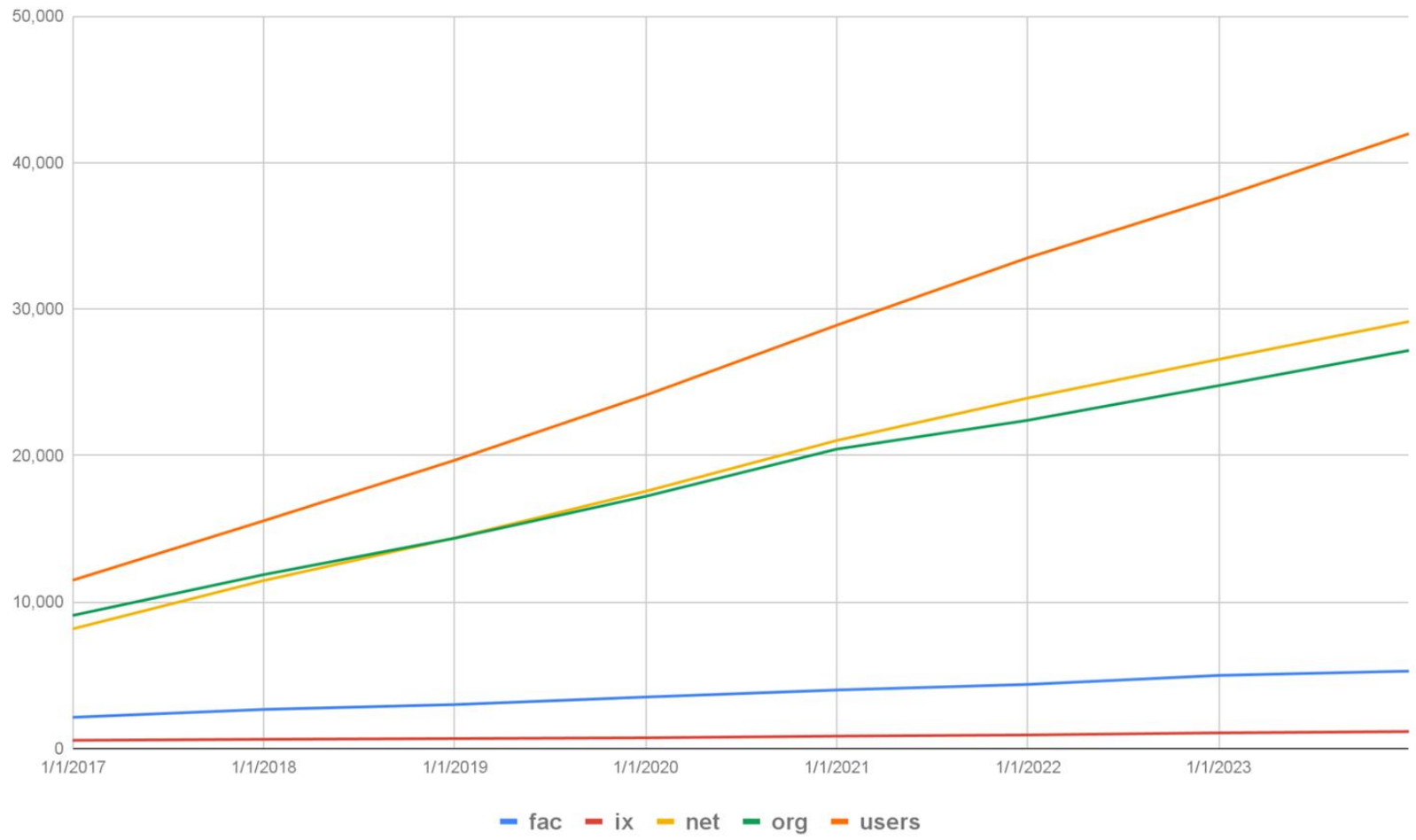
Facility	Country	City
Balkan Gate	Greece	Thessaloniki
C21	Italy	Milan
Data Felix DF01	Italy	Caserta
Lancom Athens DC	Greece	Athens
Lancom Thessaloniki DC	Greece	Thessaloniki
MIX	Italy	Milano
Naquadria Datacenter Piacenza	Italy	Piacenza
Telnet Caldera Milan	Italy	Milan
VSIX	Italy	Padova

Facility

Add Facility

Cancel Save

Tracking Growth



End of 2023, and growth on 2022

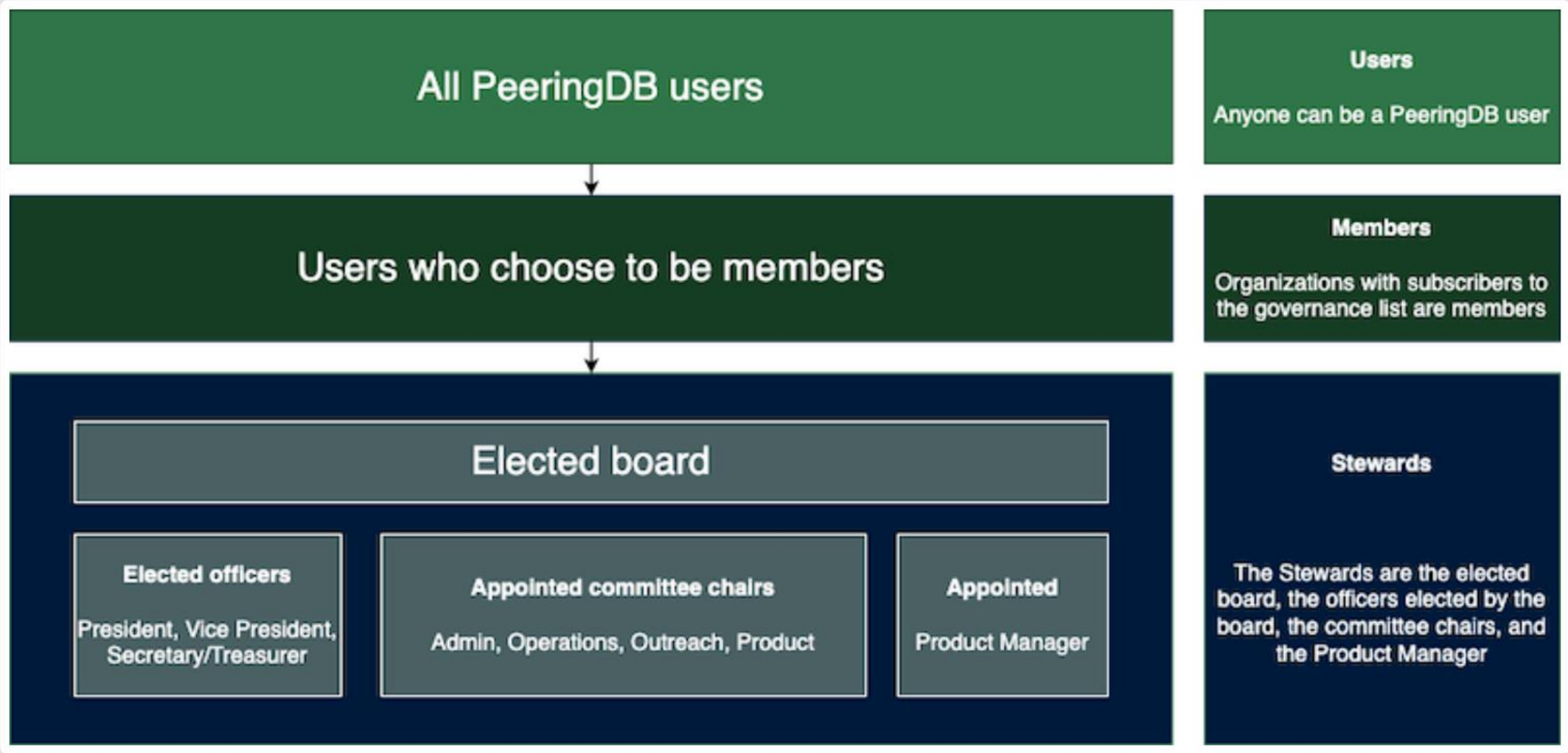
- Facilities: 5,282
  - 6% increase
- IXs: 1,152
  - 8% increase
- Networks: 29,148
  - 10% increase
- Orgs: 27,174
  - 10% increase
- Users: 41,975
  - 10% increase

Call for Volunteers

- **Admin Committee**
  - Answer user support questions
  - Suggest improvements based on experience
  - Only apply if you have free slots at least four days the week for 20 minutes

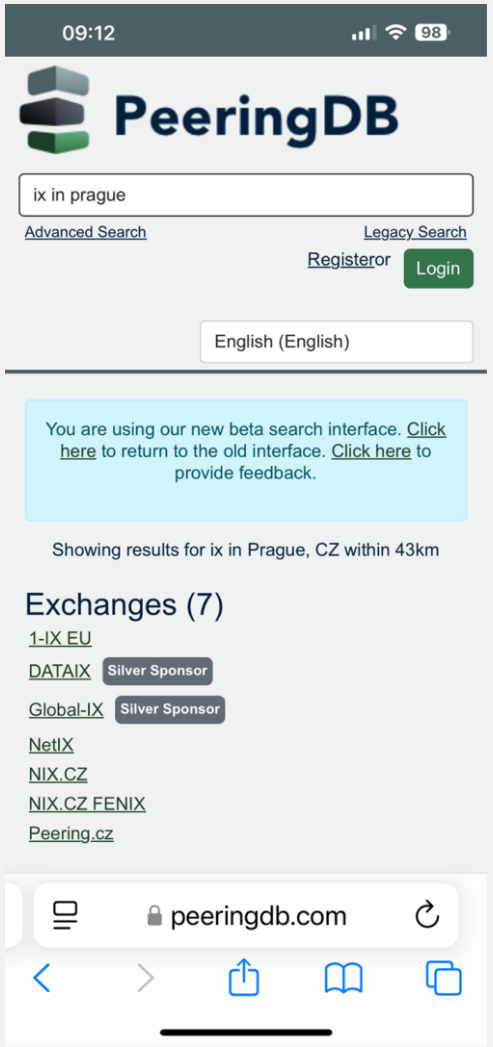
Email us at admincom@lists.peeringdb.com for more info.

How to Vote


All PeeringDB users
Users who choose to be members
Elected board
Elected officers
President, Vice President, Secretary/Treasurer
Appointed committee chairs
Admin, Operations, Outreach, Product
Appointed
Product Manager
Users
Anyone can be a PeeringDB user
Members
Organizations with subscribers to the governance list are members
Stewards
The Stewards are the elected board, the officers elected by the board, the committee chairs, and the Product Manager

NEWS (1): Search

- Significant search push scheduled for deployment in January
  - Ensure completeness
  - Refine output
- Decide on when to remove legacy search early in 2025
- We are now automatically removing networks whose ASN has been reclaimed by an RIR or NIR



NEWS (2): MFA to become mandatory

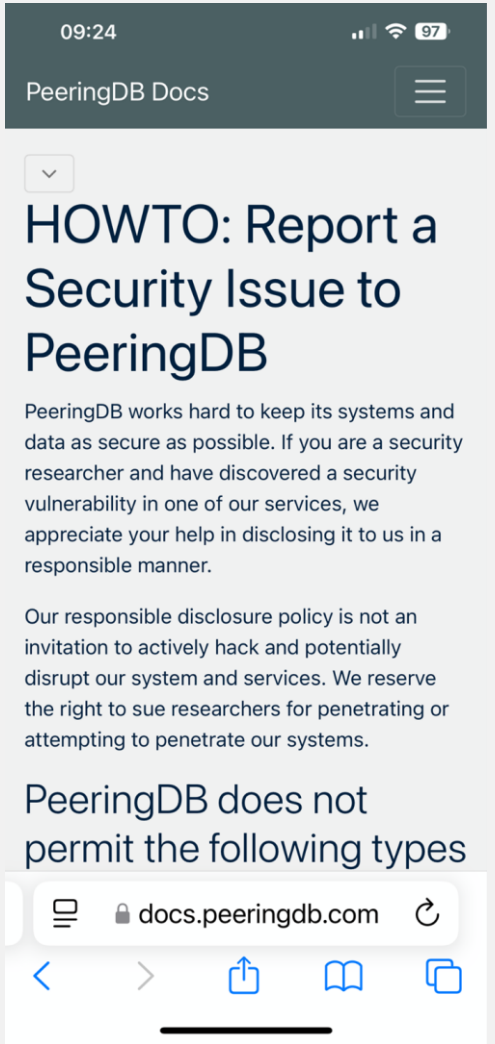
- Passkeys to be deployed in October:

  Release 2.62.0
  Beta Announcement Date: 9 October 2024

  Release Date: 16 October 2024
- API to drop simple authentication
- Communication on MFA rollout starting in November
  - All users will need to enable at least one extra factor
  - Very important for Organization admins
- Target deployment in during February 2025

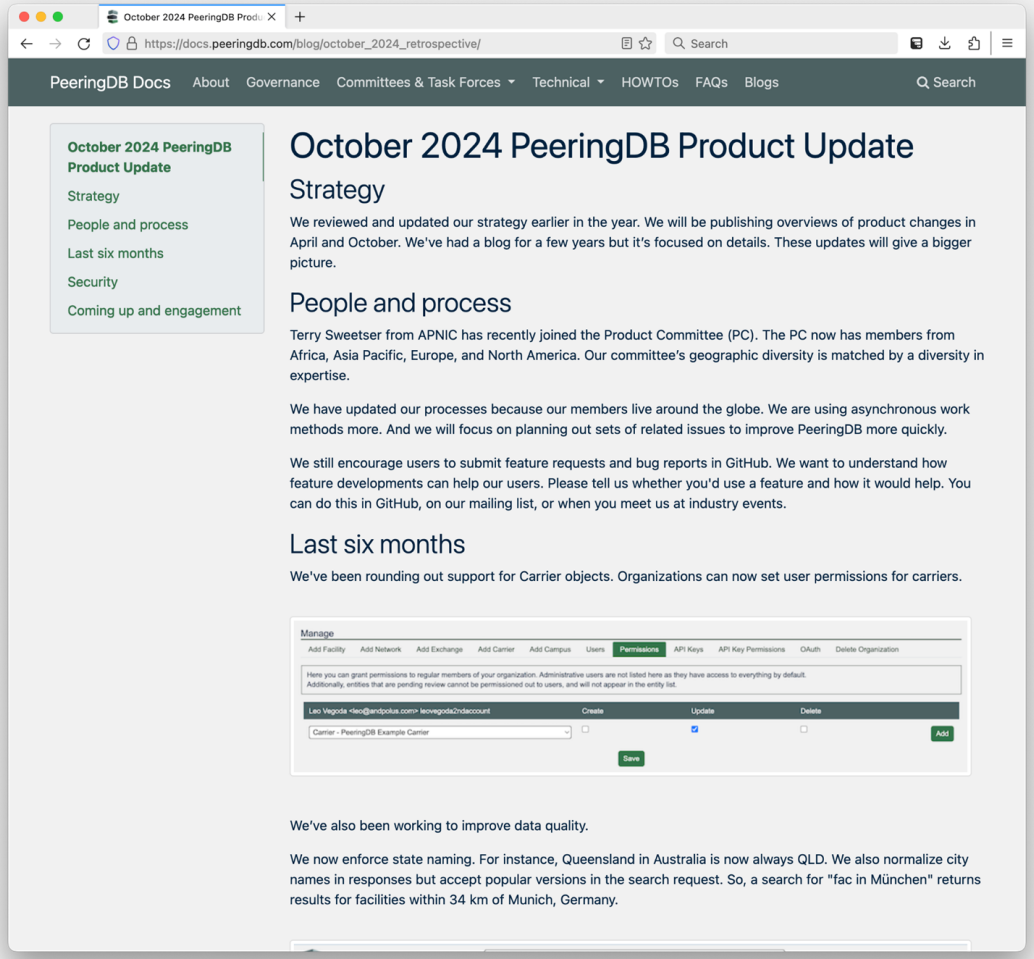
NEWS (3): Security reports

- We've had a few minor security reports
- After fixing issues we'll recognize reporters in a blog post
- We'll also offer a gift item, like a personalized hat, cup, or hoodie

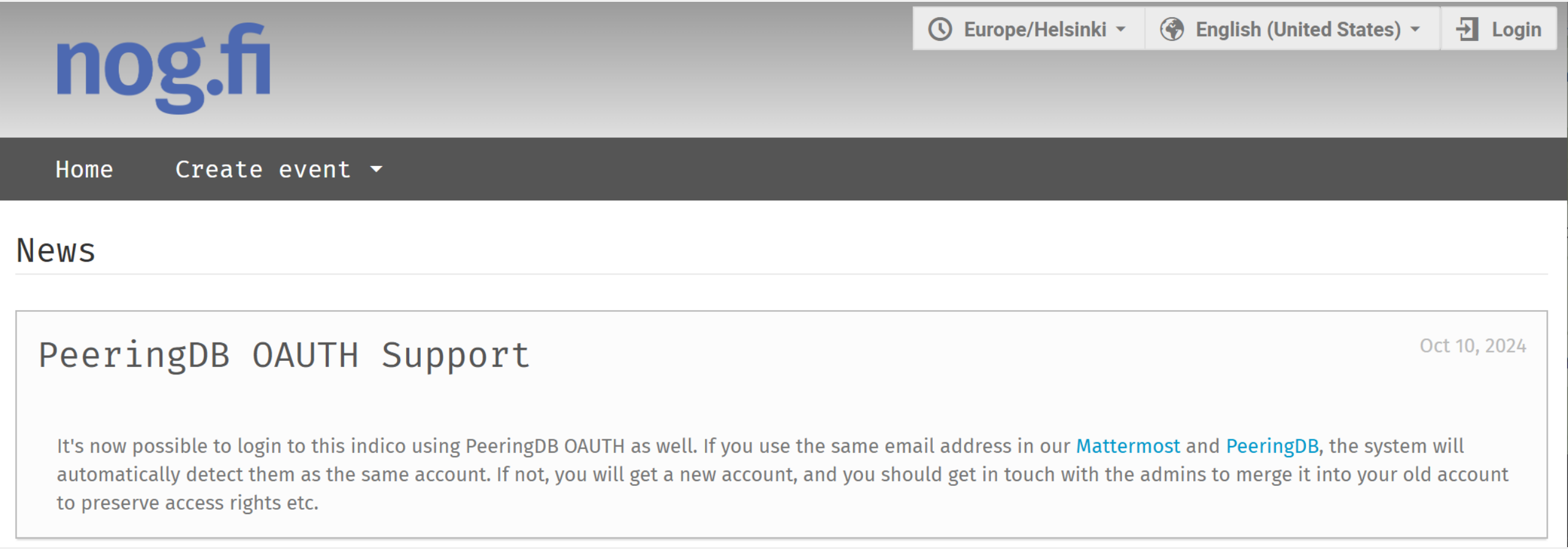


NEWS (4): Retrospective blog post

- We publish blog posts at blog.peeringdb.com
- We publish a retrospective each October and April



NEWS (5): nog.fi now supports PeeringDB OAUTH



Nordics from PeeringDB POV

CC	IXP/OP	ASN	LASN	Colo/OP	ASN	LASN	TASN	TLASN	PDB	RIR	%
FI	13/7	221	36	33/16	91	38	258	46	72	374	19,3%
NO	12/5	111	54	47/25	120	59	164	75	122	290	31.3%
SE	24/7	275	117	57/34	272	111	372	151	247	870	28,4%
DK	8/6	126	36	35/20	135	69	198	73	126	467	27.0%
IS	3/3	31	20	9/6	20	14	39	25	39	96	40,6%
FO	0/0	0	0	0	0	0	0	0	2	6	33.3%
GL	0/0	0	0	0	0	0	0	0	0	1	0,0%

LASN: Local ASN, ie. ASN in SE TASN: Total ASN (IXP + Colo) TLASN: Total Local ASN

Thank you to our sponsors!

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HOBA.NET AS3653
Microsoft

Platinum Sponsors

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DE-CIX
EQUINIX
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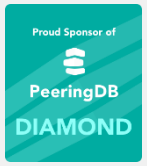
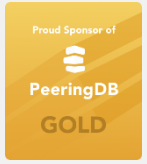
Netrality Data Centers
NETNOD
NEWBY VENTURES
NIX.CZ
NLIX
NYIIX
swissix SWISS INTERNET EXCHANGE
QIX
QRATOR LABS
TELEPOINT colocation
TERACO A DIGITAL REALTY COMPANY
zenlayer

Become a PeeringDB Sponsor!



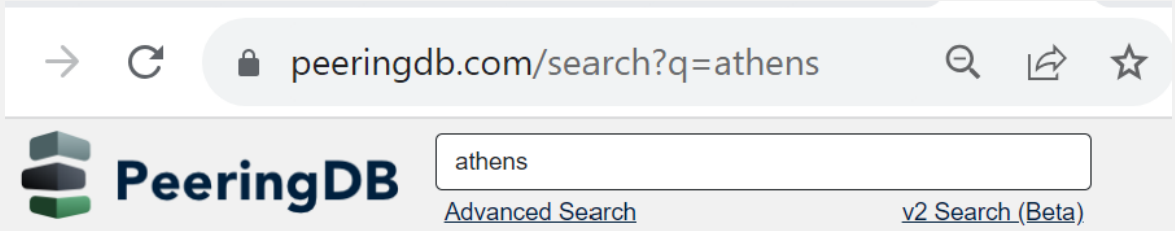
- Diamond Sponsorship - $25,000 / year
  - Limited to 10 sponsors
  - Very large logo on top line of Sponsors page with URL
  - Diamond Sponsor badge display on all records
  - Social media promotion

- Platinum Sponsorship - $10,000 / year
  - Large logo on second line of Sponsors page with URL
  - Platinum Sponsor badge display on all records
  - Social media promotion



- Gold Sponsorship - $5,000 / year
  - Medium logo on third line of Sponsors page
  - Gold Sponsor badge display on all records
  - Social media promotion

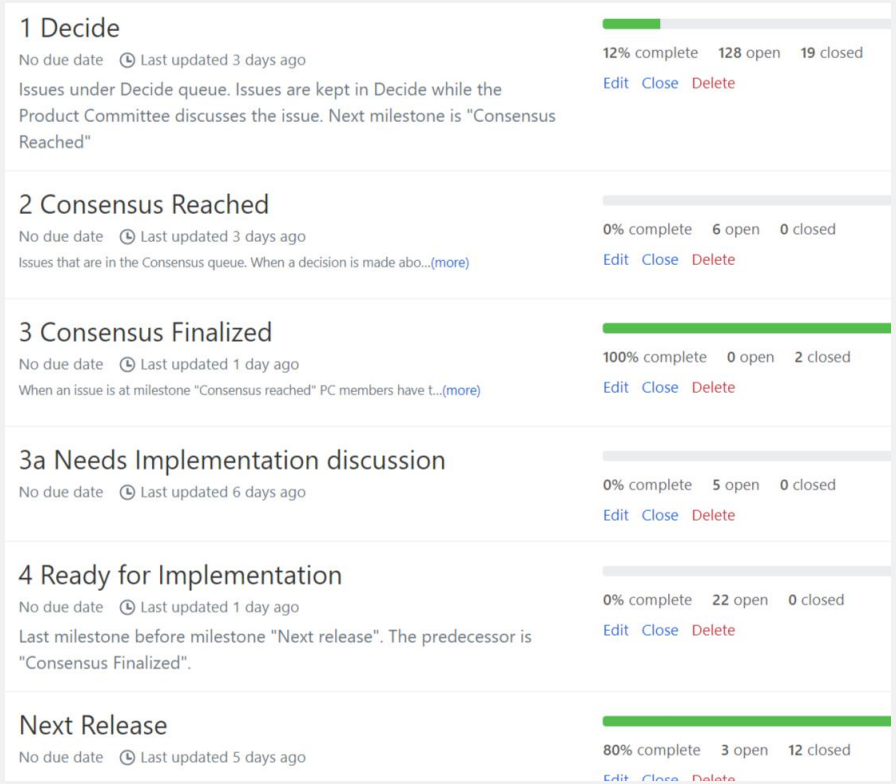
- Silver Sponsorship - $2,500 / year
  - Small logo on fourth line of Sponsors page
  - Silver Sponsor badge display on all records
  - Social media promotion



Contact sponsorship@peeringdb.com for sponsorship info!

Product Development Workflow

- All issues tracked using GitHub at https://github.com/peeringdb/peeringdb/issues
  - Anyone can open a feature requests or file a bug report
  - Open and transparent process for product development
  - Workflow is at http://docs.peeringdb.com/workflow/
- Product Committee issue process
  - Evaluate and prioritize the requests
  - Request a quote for development costs
  - Request budget from the board
  - Manage implementation and scheduling
- Your input is needed on features!



Release Process

- Announced at least one week in advance with all changes to give the community notice
  - Beta site is already running the development version for testing
  - Announced on PDB Announce list, Twitter, Facebook
- Released on Wednesdays at 0400Z and avoids
  - Mondays and Fridays
  - International holidays
  - Large conferences and events (APRICOT, EPF, GPF, NANOG, RIPE, etc.)
- List of current changes (release notes) for each version are on GitHub at https://github.com/peeringdb/peeringdb/milestones

Release Schedule

Release number	Internal testing	Beta release	Production release
2.63.0	2024-10-02	2024-10-09	2024-10-16
2.64.0	2024-11-06	2024-11-13	2024-11-20

Beta Development

- Beta server
  - Available at https://beta.peeringdb.com/
  - Runs the latest beta software version
  - Full access over HTTP and the API
  - Database is local to the beta server only, changes are not reflected on the production servers
- Latest changes
  - Available at https://beta.peeringdb.com/changes
  - Redirects to the list of issues on GitHub
  - Documents all of the changes in the current beta version
- Anyone can log bugs and feature requests in GitHub at https://github.com/peeringdb/peeringdb/issues

We Need Beta Testers

Consider using the Beta environment as default

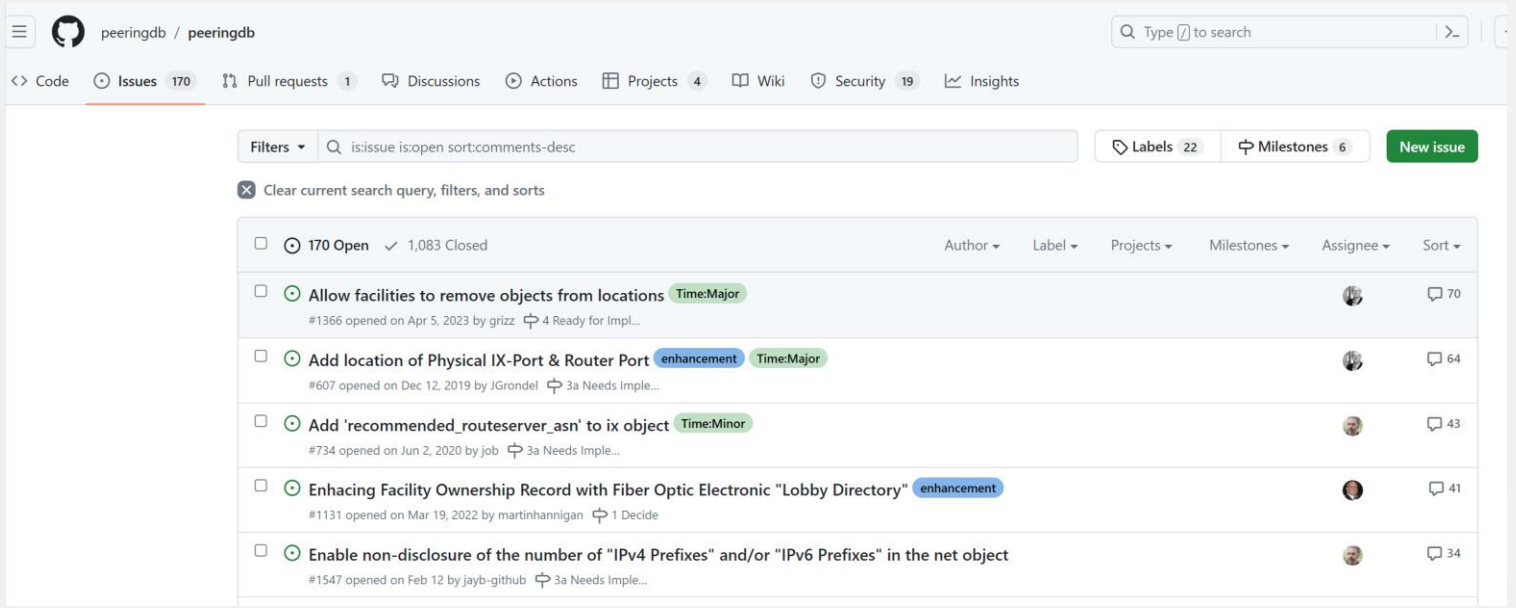
- Just over half a percent of users visit beta.peeringdb.com each month
  - We recognize that there are good and bad reasons for this!
- As of release 2.57.0, beta.peeringdb.com refreshes once an hour
- Early access to improvements
- Easy feedback mechanism
- Try it at https://beta.peeringdb.com

- Contact us at pc@peeringdb.com with any questions

Updates

News from the Frontlines

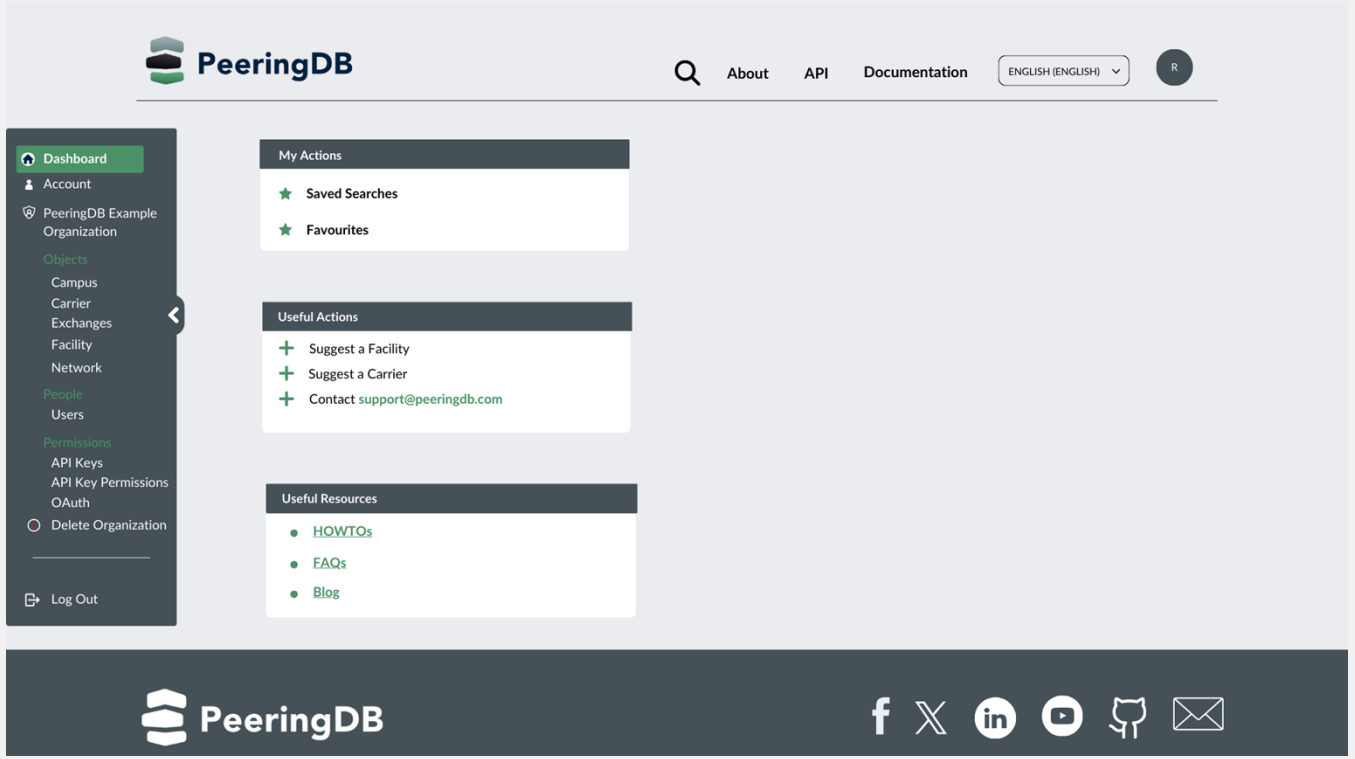
- Web UI design changes
- New KMZ export feature
- Improved search
- Beta testing
- Call for Volunteers



Web UI

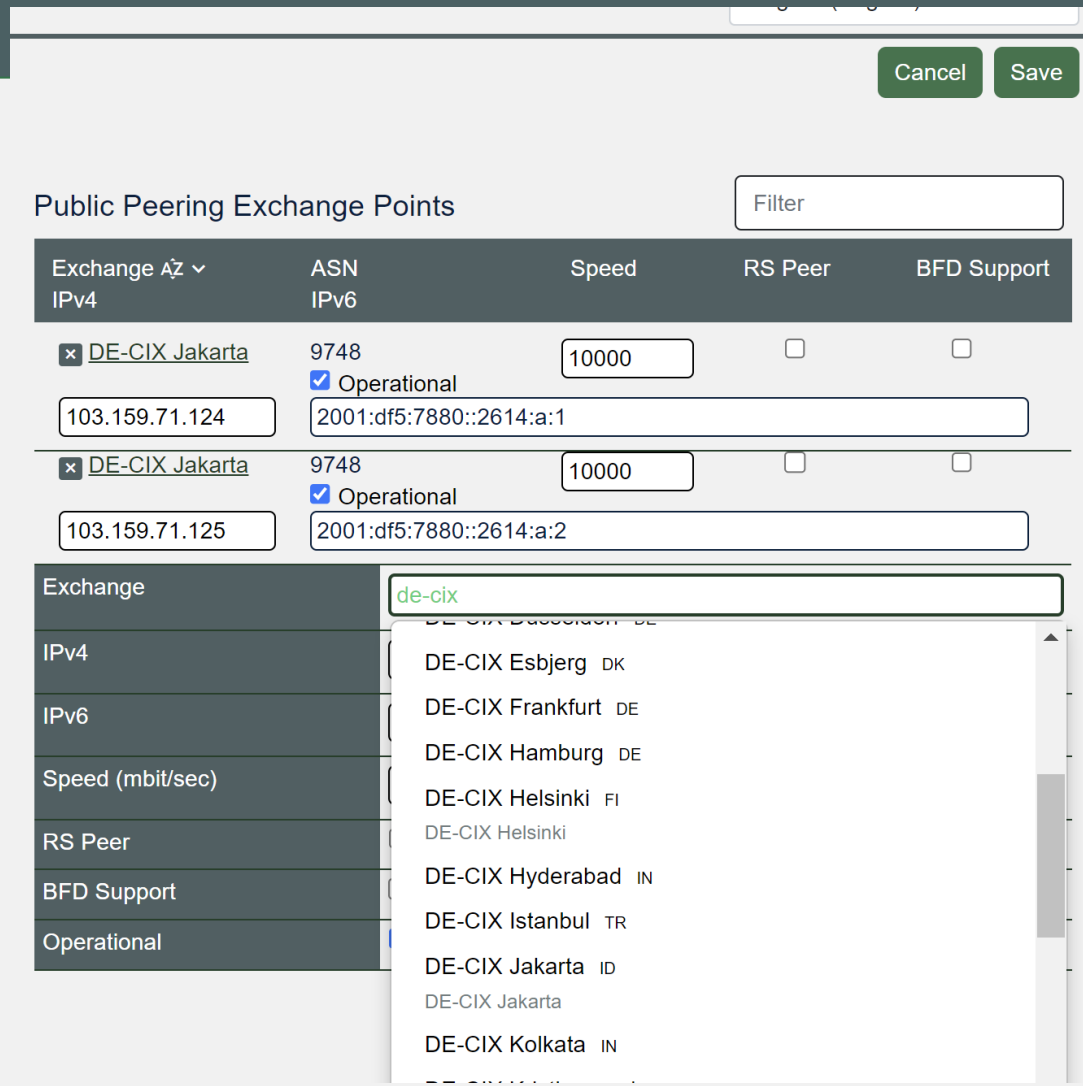
Planned Improvements

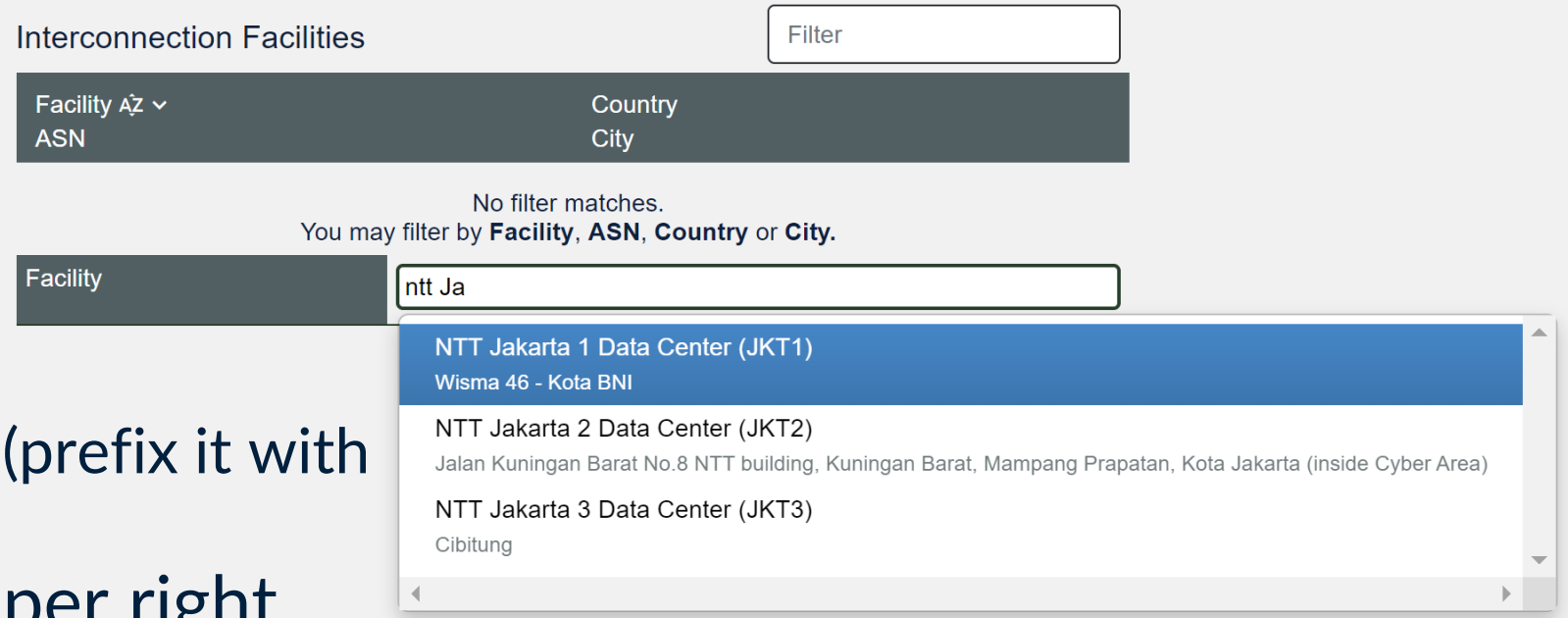
- Better device presentation
- Dashboard options
- Lazy loading



Adding a connection to an IXP

- Log in to PeeringDB as admin
- Go to your network
  - Either via your org object
  - Or search for your ASN (prefix it with „as“
- Click on „Edit“ in the upper right corner
- Start typing in the name of the IXP and select
- Fill in IP addresses, speed, …
- Click on „Add Exchange Point“ and „Save“



Adding a presence to a Facility

- Log in to PeeringDB as admin
- Go to your network
  - Either via your org object
  - Or search for your ASN (prefix it with „as“
- Click on „Edit“ in the upper right corner
- Start typing in the name of the facility and select
- Click on „Add Facility“ and „Save“