



PeeringDB

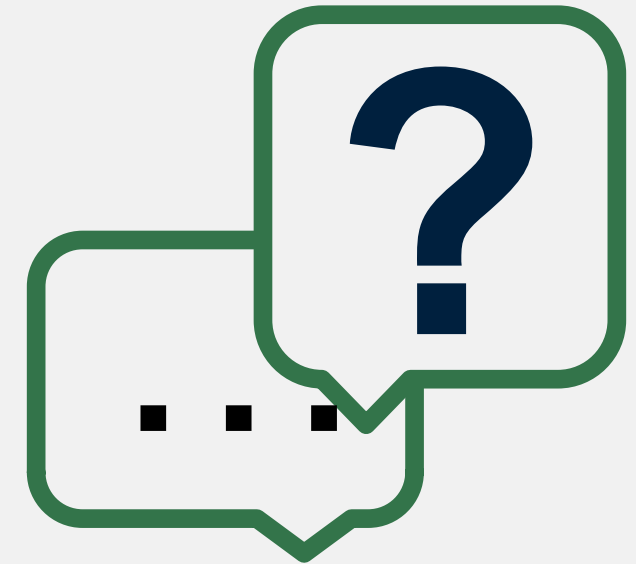
What's new on PeeringDB?

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



What is PeeringDB?

Why should my carrier, exchange, network or facility be listed in PeeringDB?

- 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

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)

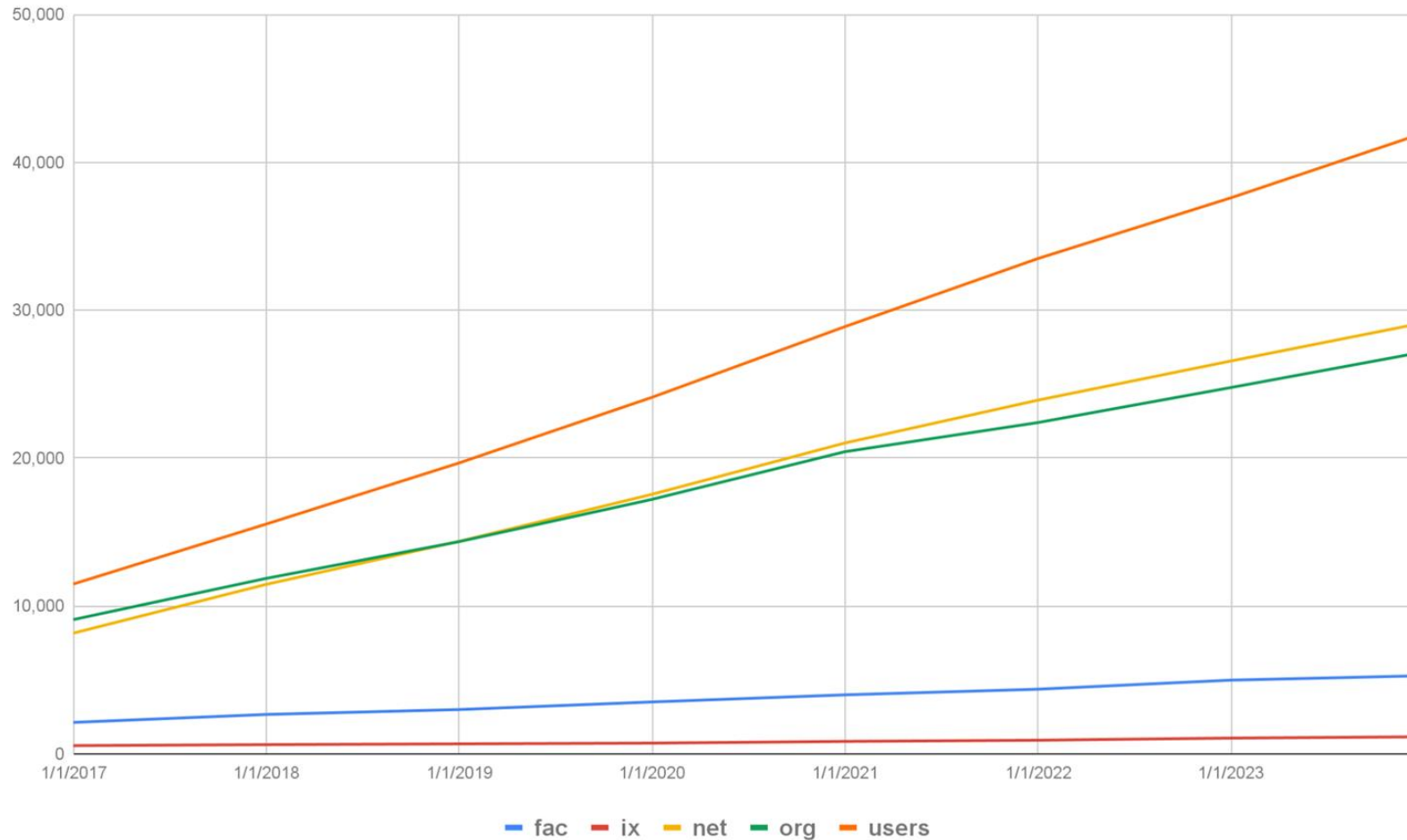


Job Snijders – Director
(Term Expires 2026)

Committees

Admin Committee	Operations Committee	Outreach Committee	Product Committee
<ul style="list-style-type: none">• Manage administration of user accounts and PeeringDB records• Answer support tickets• Cleansing and completion of PeeringDB records <p>Leads: Chriztoffer Hansen (Chair) and Peter Helmenstine (Vice Chair) Contact: admincom@lists.peeringdb.com</p>	<ul style="list-style-type: none">• Manage PeeringDB infrastructure <p>Leads: Job Snijders (Chair) and Aaron Hughes (Vice Chair) Contact: pdb-ops@lists.peeringdb.com</p>	<ul style="list-style-type: none">• Manage marketing and social media• Develop and maintain presentations, workshops and webinars• Coordinate presentations and attendance at events <p>Leads: Ben Ryall (Chair) Contact: outreachcom@lists.peeringdb.com</p>	<ul style="list-style-type: none">• Manage roadmap and development priorities• Ask for input from the community on desired features• Write SoWs to solicit bids to complete requested features <p>Leads: Jack Carrozzo (Chair) and Matt Griswold (Vice Chair) Product Manager: Leo Vegoda Contact: productcom@lists.peeringdb.com</p>

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

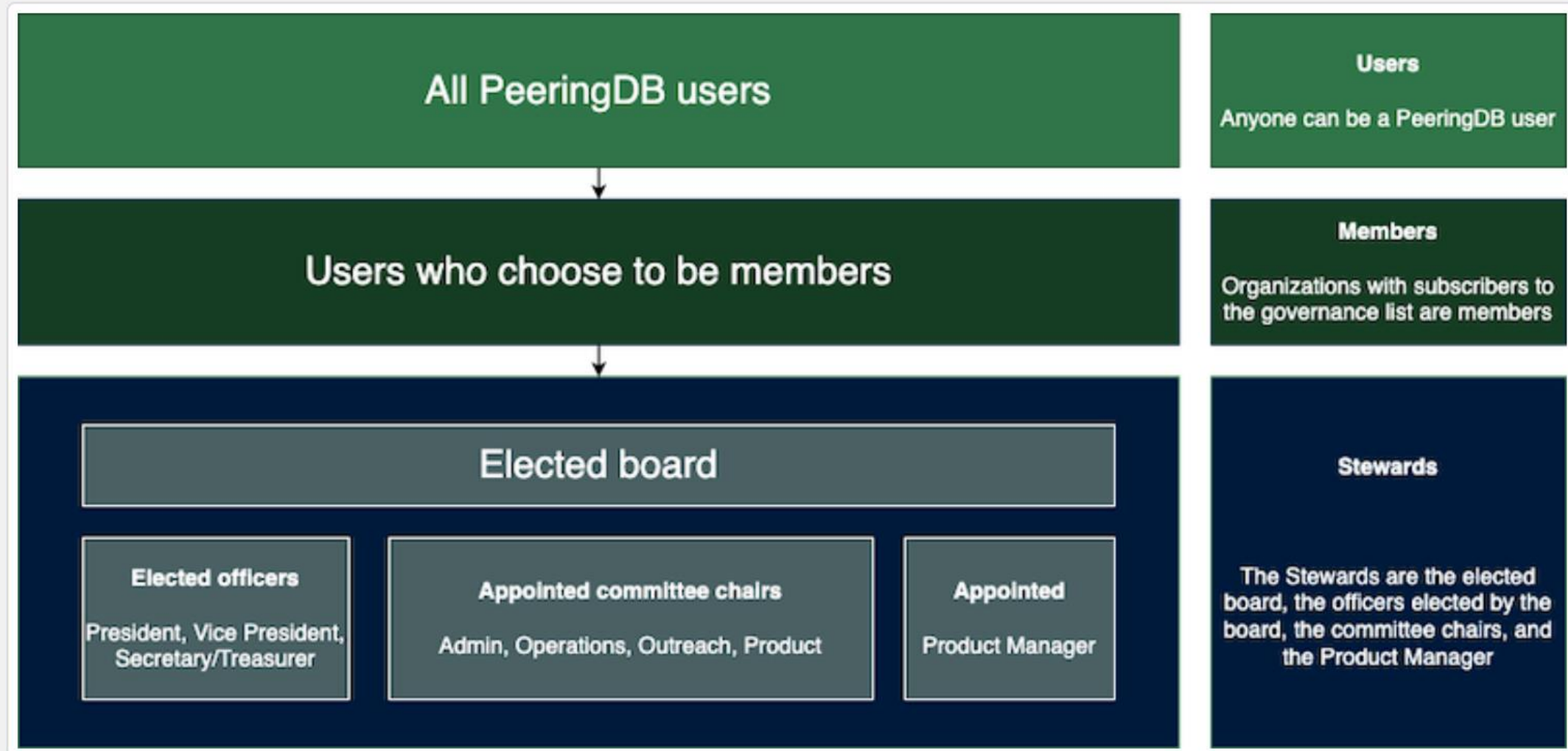
Call for Volunteers

- **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

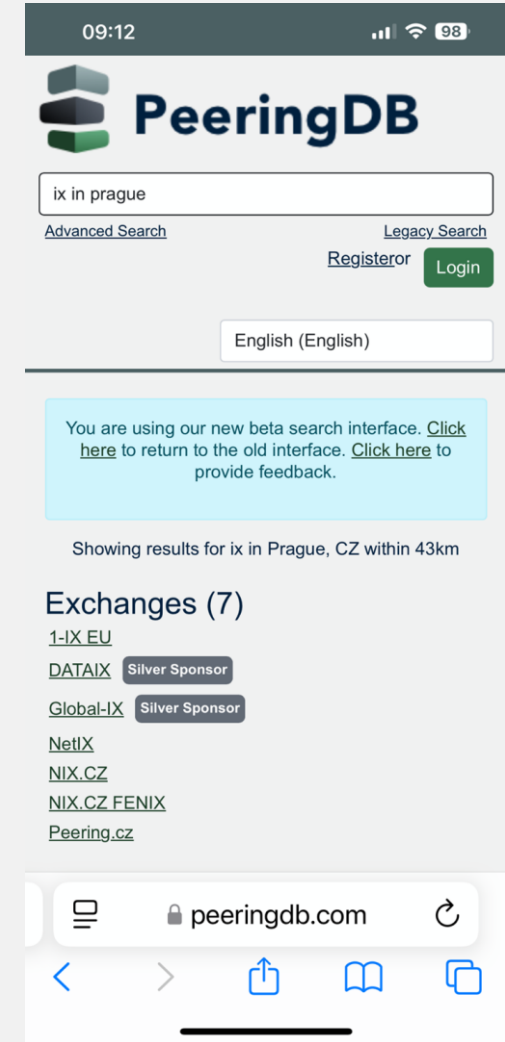
Email us at admincom@lists.peeringdb.com for more info.

How to Vote



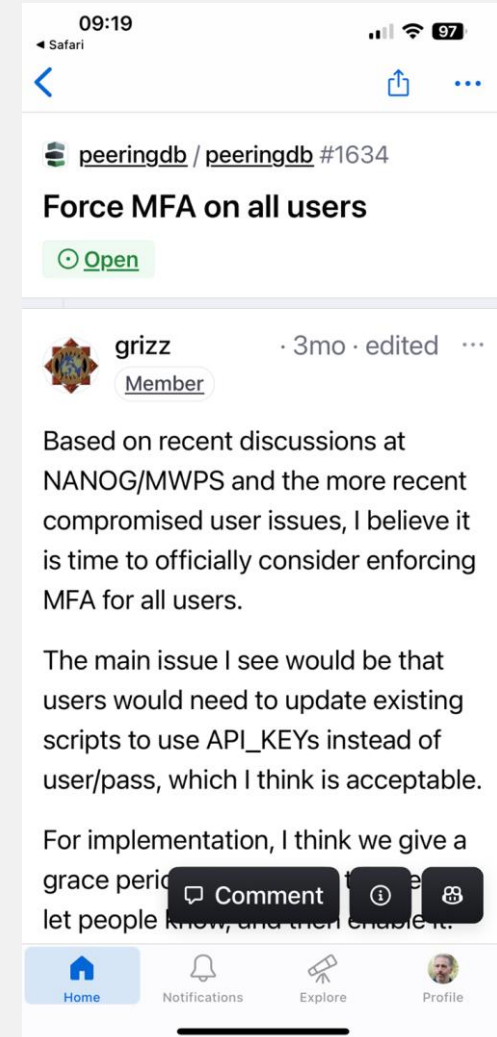
NEWS (1): Search

- 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



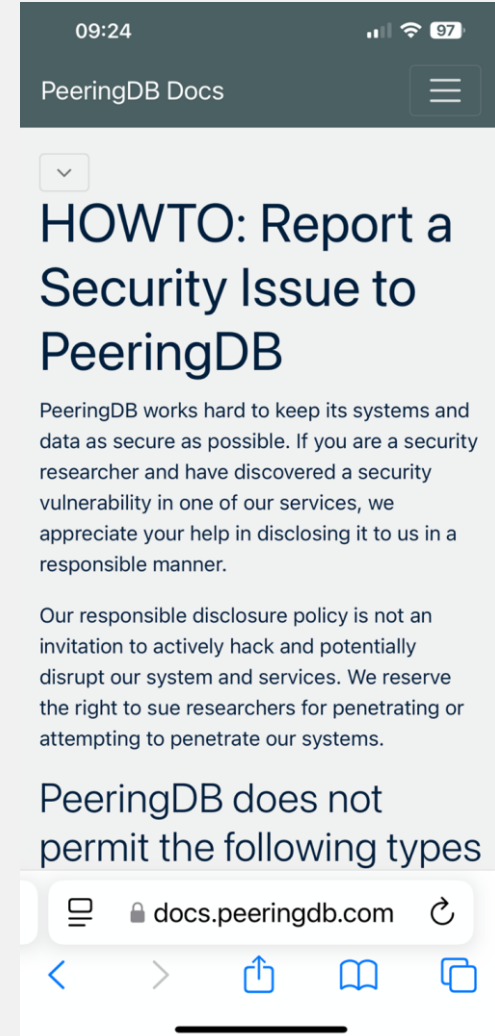
NEWS (2): MFA to become mandatory

- 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



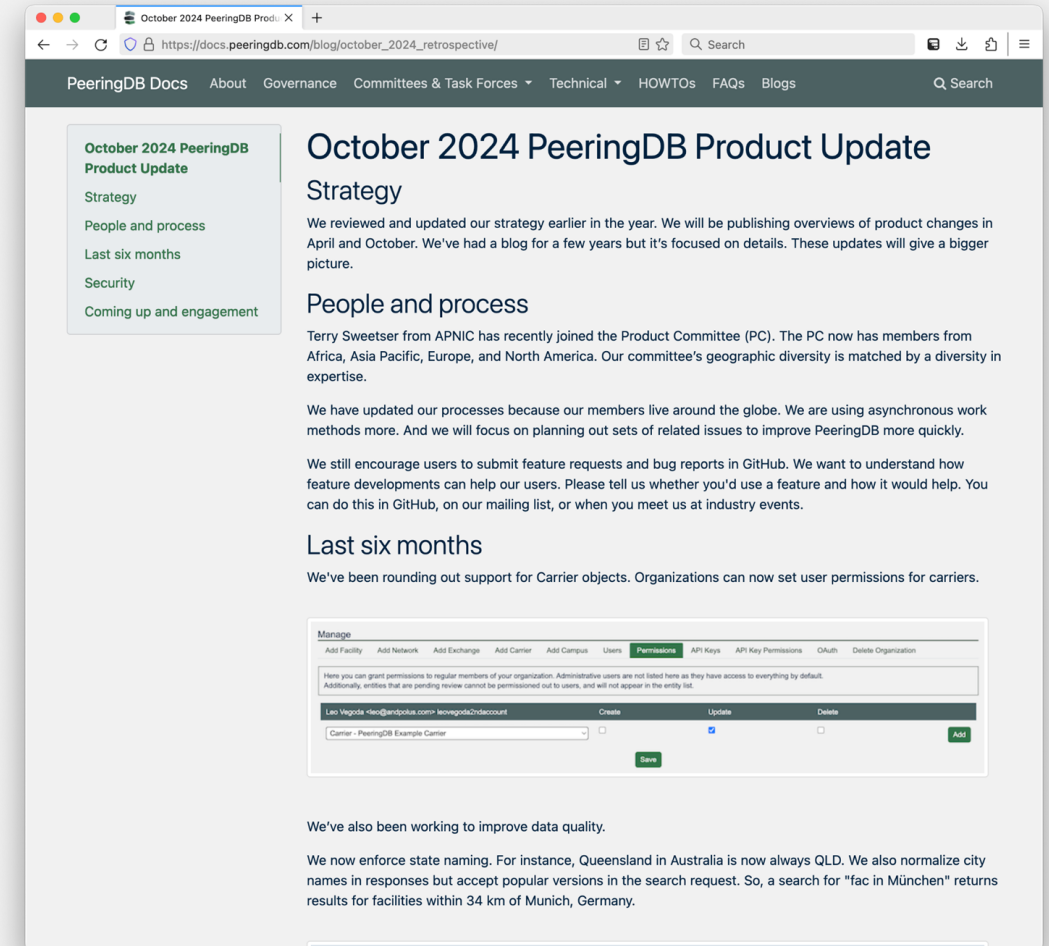
NEWS (3): Security reports

- 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



The screenshot shows a web browser displaying the PeeringDB October 2024 Product Update blog post. The page has a dark header with navigation links: PeeringDB Docs, About, Governance, Committees & Task Forces, Technical, HOWTOs, FAQs, and Blogs. A sidebar on the left lists the update's sections: Strategy, People and process, Last six months, Security, and Coming up and engagement. The main content area is titled "October 2024 PeeringDB Product Update Strategy" and includes sections for "People and process" and "Last six months". The "People and process" section mentions Terry Sweetser from APNIC joining the Product Committee. The "Last six months" section discusses support for Carrier objects. Below the text is a "Manage" interface for permissions, showing a table with columns for Create, Update, and Delete, and a "Save" button.

October 2024 PeeringDB Product Update

Strategy

We reviewed and updated our strategy earlier in the year. We will be publishing overviews of product changes in April and October. We've had a blog for a few years but it's focused on details. These updates will give a bigger picture.

People and process

Terry Sweetser from APNIC has recently joined the Product Committee (PC). The PC now has members from Africa, Asia Pacific, Europe, and North America. Our committee's geographic diversity is matched by a diversity in expertise.

We have updated our processes because our members live around the globe. We are using asynchronous work methods more. And we will focus on planning out sets of related issues to improve PeeringDB more quickly.

We still encourage users to submit feature requests and bug reports in GitHub. We want to understand how feature developments can help our users. Please tell us whether you'd use a feature and how it would help. You can do this in GitHub, on our mailing list, or when you meet us at industry events.

Last six months

We've been rounding out support for Carrier objects. Organizations can now set user permissions for carriers.

Manage

Add Facility Add Network Add Exchange Add Carrier Add Campus Users Permissions API Keys API Key Permissions OAuth Delete Organization

Here you can grant permissions to regular members of your organization. Administrative users are not listed here as they have access to everything by default. Additionally, entities that are pending review cannot be permissioned out to users, and will not appear in the entity list.

	Create	Update	Delete
Leo Vigoda <leo@andpolus.com> leo.vigoda@andpolus.com	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Carrier - PeeringDB Example Carrier	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Save

We've also been working to improve data quality.

We now enforce state naming. For instance, Queensland in Australia is now always QLD. We also normalize city names in responses but accept popular versions in the search request. So, a search for "fac in München" returns results for facilities within 34 km of Munich, Germany.

Nordics from PeeringDB POV

CC	IXP/OP	ASN	LASN	Colo/OP	ASN	LASN	TASN	TLASN	PDB	RIR	%
SE	24/7	275	117	57/34	272	111	372	151	247	870	28.4%
NO	12/5	111	54	47/25	120	59	164	75	122	290	31.3%
FI	13/7	221	36	33/16	91	38	258	46	72	374	19.3%
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

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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.*

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!

1 Decide No due date ⌚ Last updated 3 days ago Issues under Decide queue. Issues are kept in Decide while the Product Committee discusses the issue. Next milestone is "Consensus Reached"	<div><div></div></div> <div>12% complete 128 open 19 closed</div> <div>Edit Close Delete</div>
2 Consensus Reached No due date ⌚ Last updated 3 days ago Issues that are in the Consensus queue. When a decision is made abo...(more)	<div><div></div></div> <div>0% complete 6 open 0 closed</div> <div>Edit Close Delete</div>
3 Consensus Finalized No due date ⌚ Last updated 1 day ago When an issue is at milestone "Consensus reached" PC members have t...(more)	<div><div></div></div> <div>100% complete 0 open 2 closed</div> <div>Edit Close Delete</div>
3a Needs Implementation discussion No due date ⌚ Last updated 6 days ago	<div><div></div></div> <div>0% complete 5 open 0 closed</div> <div>Edit Close Delete</div>
4 Ready for Implementation No due date ⌚ Last updated 1 day ago Last milestone before milestone "Next release". The predecessor is "Consensus Finalized".	<div><div></div></div> <div>0% complete 22 open 0 closed</div> <div>Edit Close Delete</div>
Next Release No due date ⌚ Last updated 5 days ago	<div><div></div></div> <div>80% complete 3 open 12 closed</div> <div>Edit Close Delete</div>

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

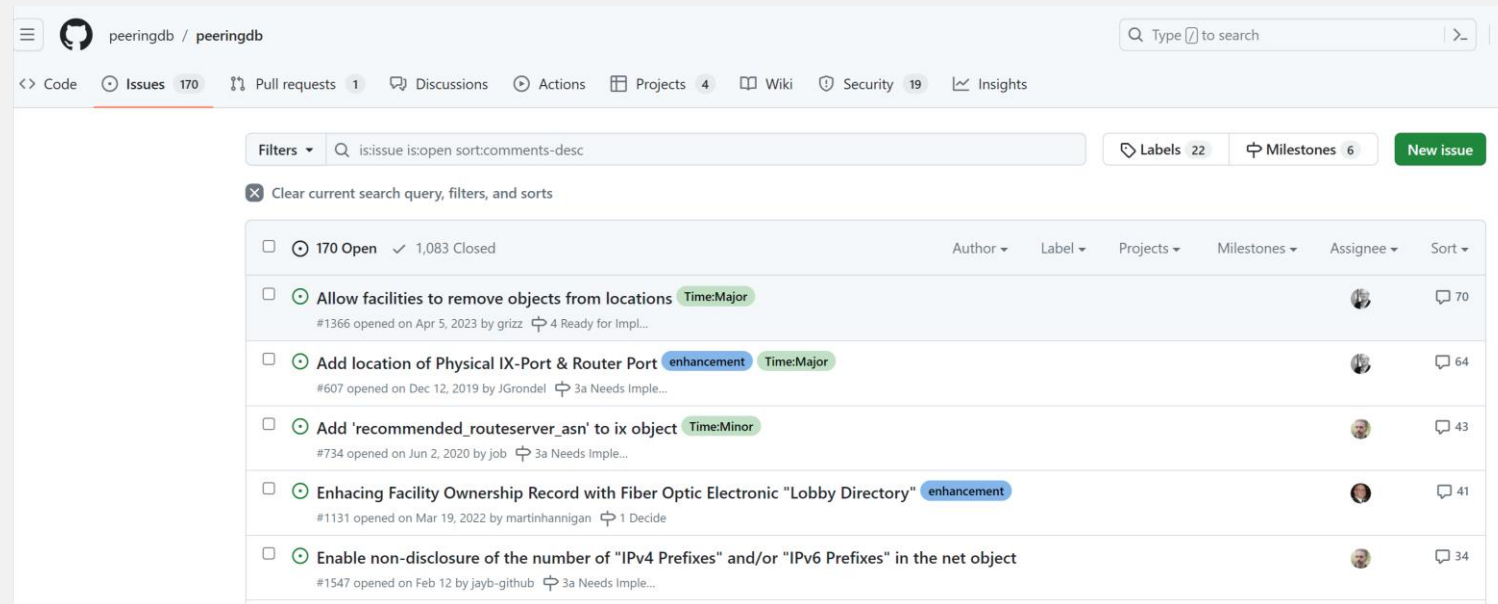
Consider using the Beta environment as default

- 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

