



PeeringDB

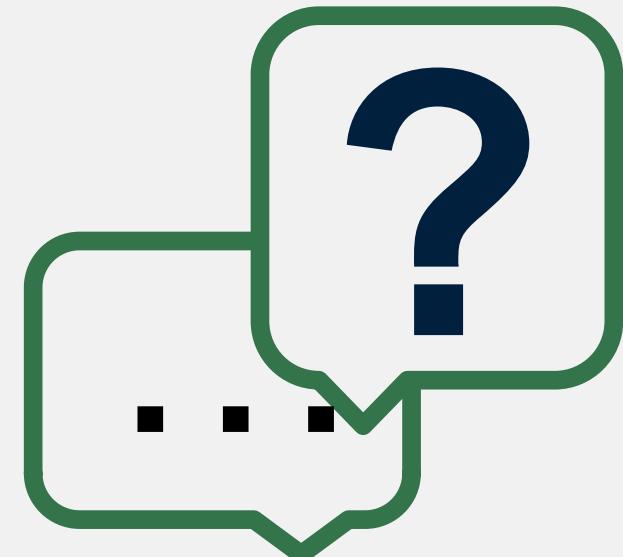
What's new on PeeringDB?

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
<ul style="list-style-type: none">Manage administration of user accounts and PeeringDB recordsAnswer support ticketsCleansing 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 mediaDevelop and maintain presentations, workshops and webinarsCoordinate 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 prioritiesAsk for input from the community on desired featuresWrite SoWs to solicit bids to complete requested features <p>Leads: Jack Carozzo (Chair) and Matt Griswold (Vice Chair) Product Manager: Leo Vegoda Contact: productcom@lists.peeringdb.com</p>

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



Telia Helsinki Datacenter

Networks
18Local Exchanges
4 [EXPORT](#)

Organization	Telia Company	
Also Known As		
Long Name		
Comcast		
Addressees		
Exchanges	Filter	
Exchange	Long Name	Networks
DATAIX	GlobalNet	379
FICIX 1 (Espoo)	FICIX 1 Espoo	29
Netnod Helsinki BLUE --		14
MTU9K		
Netnod Helsinki GREEN --		13
MTU9K		
Carriers	Filter	
Carrier		
Arelion		
Global Network Management		
NPA-NXX		
Last Updated	2020-02-13T21:31:48Z	
Notes ?		
Technical Email		
Technical Phone ?	2024-11-06	nog.fi meeting 2024.11, Helsinki, Finland
Sales Email		

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

Morina Livio

Search here for a network, IX, or facility.

airbeam



Search here for a network, IX, or facility.

airbeam

[Advanced Search](#)[Legacy Search](#)

English (English)

[Edit](#)

Airbeam Carrier

 [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 A-Z ▾	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



Name A-Z ▾

No filter matches.
You may filter by Name

New Object “Carrier”

- New pillar of data besides `net|work`, `facility` 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.

Airbeam Carrier

Cancel
Save

Organization	<u>Airbeam S.r.l.</u>
Also Known As	<input type="text"/>
Long Name	<input type="text"/>
Company Website Override ?	<input type="text" value="http://www.airbeam.it"/>

+ Social Media

Last Updated	2023-11-20T20:14:40Z
Notes ?	<input type="text"/>



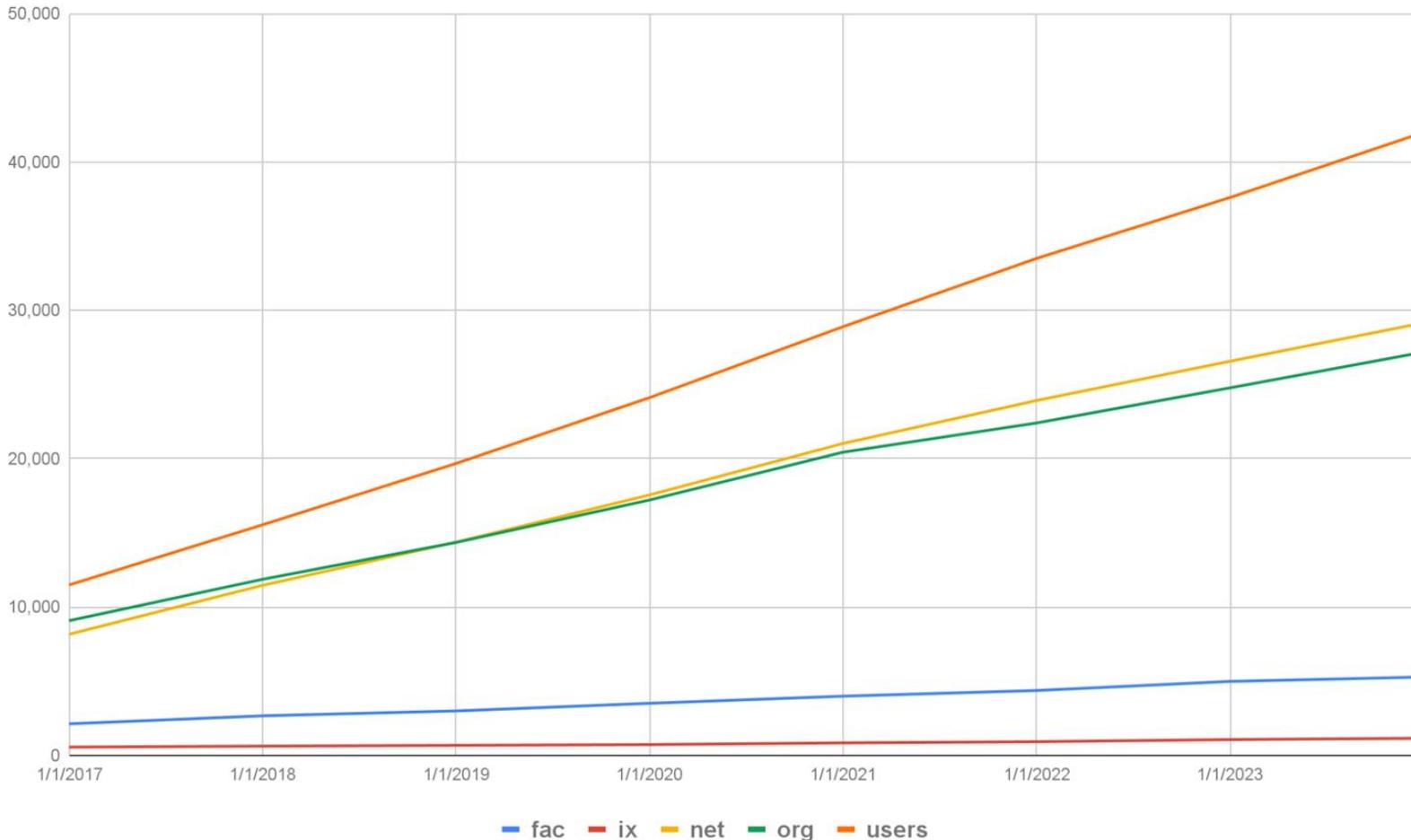
Facilities

Filter

Facility A-Z ▾	Country	City
<input checked="" type="checkbox"/> <u>Balkan Gate</u>	Greece	Thessaloniki
<input checked="" type="checkbox"/> <u>C21</u>	Italy	Milan
<input checked="" type="checkbox"/> <u>Data Felix DF01</u>	Italy	Caserta
<input checked="" type="checkbox"/> <u>Lancom Athens DC</u>	Greece	Athens
<input checked="" type="checkbox"/> <u>Lancom Thessaloniki DC</u>	Greece	Thessaloniki
<input checked="" type="checkbox"/> <u>MIX</u>	Italy	Milano
<input checked="" type="checkbox"/> <u>Naquadria Datacenter Piacenza</u>	Italy	Piacenza
<input checked="" type="checkbox"/> <u>Telnet Caldera Milan</u>	Italy	Milan
<input checked="" type="checkbox"/> <u>VSIX</u>	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

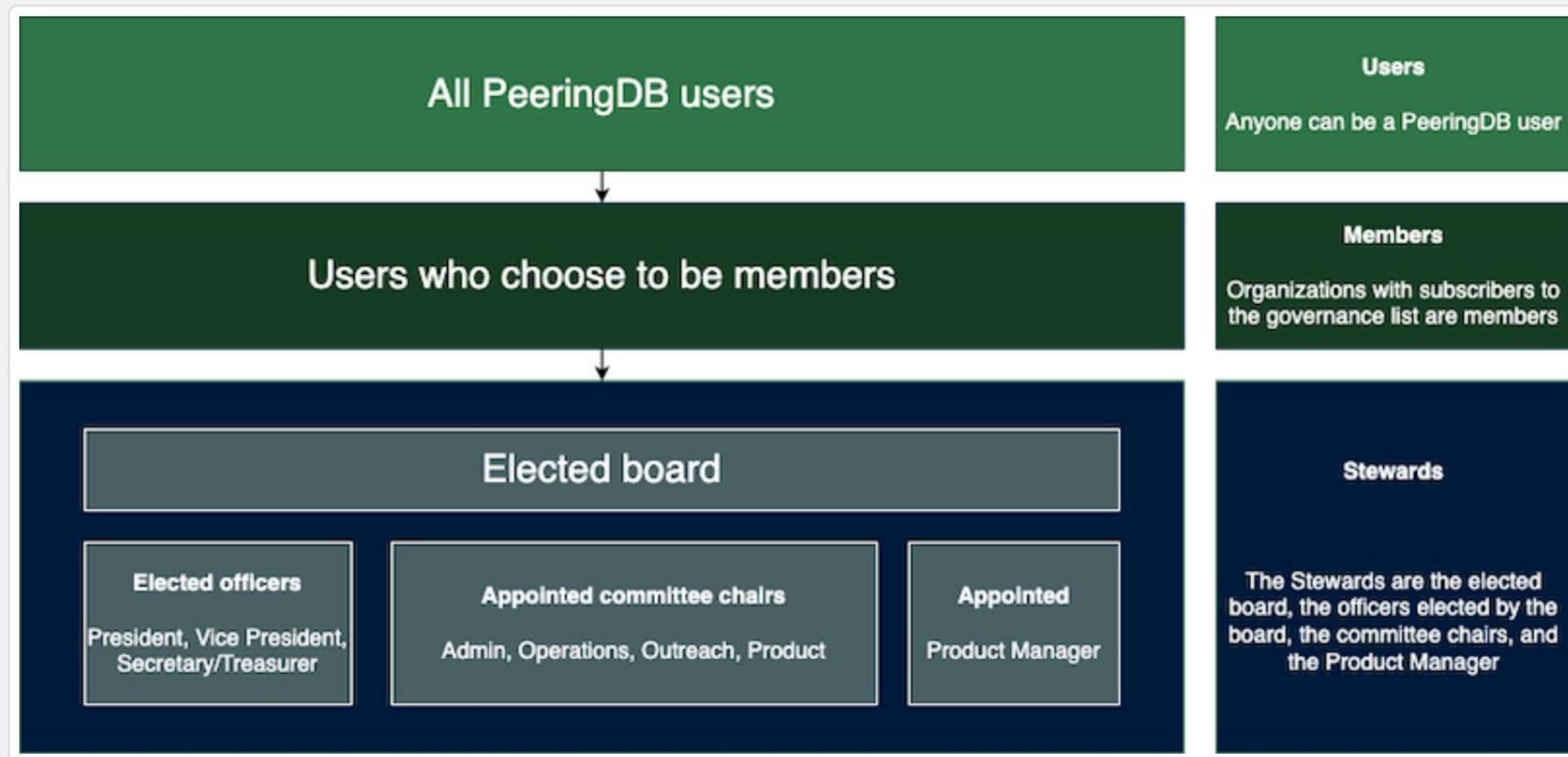
Call for Volunteers

- **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

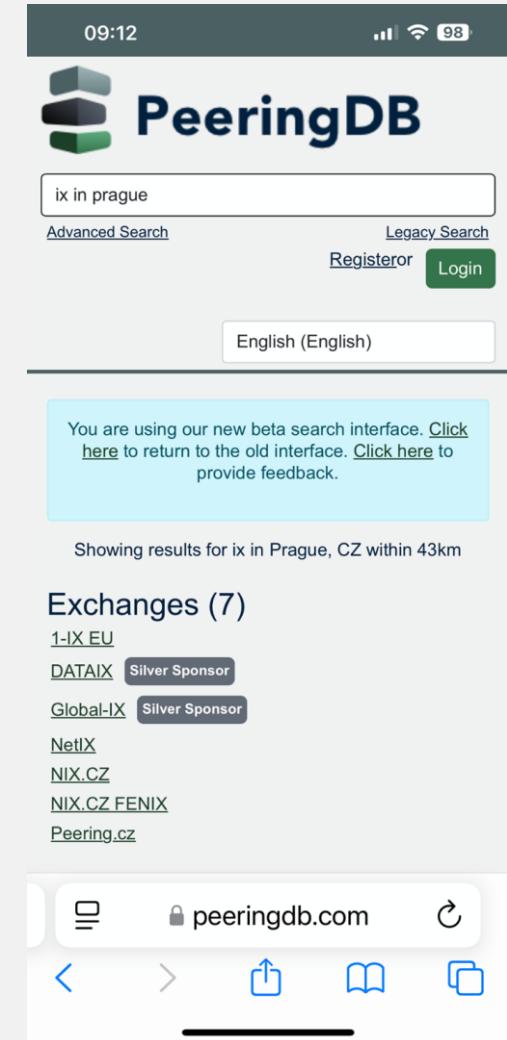
Email us at admincom@lists.peeringdb.com for more info.

How to Vote



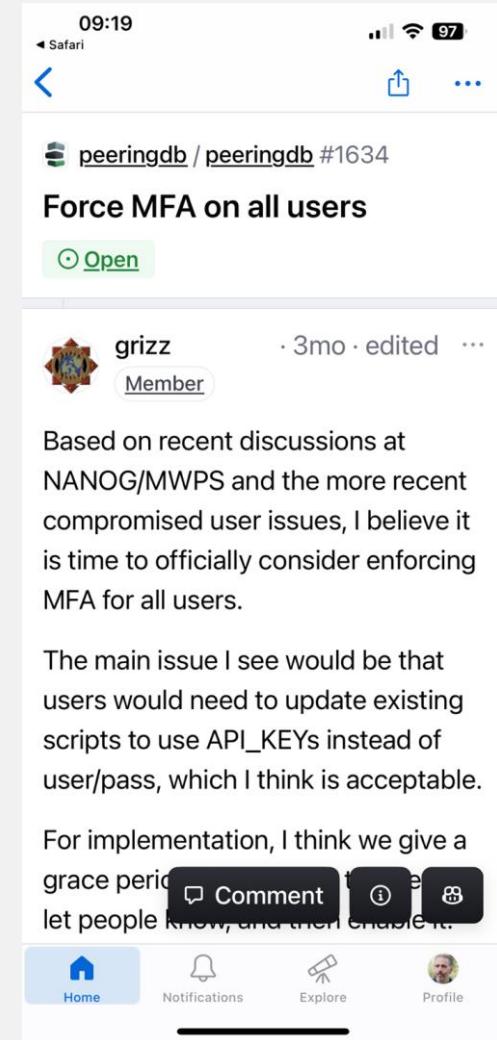
NEWS (1): Search

- 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

The screenshot shows a mobile device screen with a dark header bar. The top left shows the time as 09:24. The top right shows signal strength, Wi-Fi, and battery level at 97%. The header bar contains the text "PeeringDB Docs" and a three-line menu icon. Below the header is a title section with a dropdown arrow and the text "HOWTO: Report a Security Issue to PeeringDB". A paragraph below the title states: "PeeringDB works hard to keep its systems and data as secure as possible. If you are a security researcher and have discovered a security vulnerability in one of our services, we appreciate your help in disclosing it to us in a responsible manner." Another paragraph follows: "Our responsible disclosure policy is not an invitation to actively hack and potentially disrupt our system and services. We reserve the right to sue researchers for penetrating or attempting to penetrate our systems." At the bottom of the page is a footer with a link to "docs.peerdb.com" and standard browser navigation icons.

09:24
PeeringDB Docs

HOWTO: Report a Security Issue to PeeringDB

PeeringDB works hard to keep its systems and data as secure as possible. If you are a security researcher and have discovered a security vulnerability in one of our services, we appreciate your help in disclosing it to us in a responsible manner.

Our responsible disclosure policy is not an invitation to actively hack and potentially disrupt our system and services. We reserve the right to sue researchers for penetrating or attempting to penetrate our systems.

PeeringDB does not permit the following types

docs.peerdb.com

NEWS (4): Retrospective blog post

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

The screenshot shows two parts of the PeeringDB website. On the left, a sidebar lists sections: "October 2024 PeeringDB Product Update", "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 discusses strategy reviews and updates. It also mentions Terry Sweetser's joining the Product Committee and the committee's geographic diversity. The "People and process" section notes updated asynchronous work methods. The "Last six months" section highlights support for Carrier objects and user permissions. On the right, a screenshot of the PeeringDB organization management interface shows a "Permissions" tab selected in a navigation bar. A table lists users with their email and roles, including "Carrier - PeeringDB Example Carrier". Buttons for "Create", "Update", and "Delete" are shown, along with a "Save" button.

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

The screenshot shows the nog.fi website interface. At the top, there is a navigation bar with the nog.fi logo, language and time settings (Europe/Helsinki, English (United States)), and a login button. Below the navigation bar, there are links for Home and Create event. The main content area is titled "News". A specific news item is highlighted with the title "PeeringDB OAUTH Support" and a timestamp of "Oct 10, 2024". The content of the news item reads: "It's now possible to login to this indico using PeeringDB OAUTH as well. If you use the same email address in our Mattermost and PeeringDB, the system will automatically detect them as the same account. If not, you will get a new account, and you should get in touch with the admins to merge it into your old account to preserve access rights etc."

PeeringDB OAUTH Support

Oct 10, 2024

It's now possible to login to this indico using PeeringDB OAUTH as well. If you use the same email address in our [Mattermost](#) and [PeeringDB](#), the system will automatically detect them as the same account. If not, you will get a new account, and you should get in touch with the admins to merge it into your old account to preserve access rights etc.

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!

Diamond
Sponsor



Microsoft

Platinum
Sponsors



∞ Meta YAHOO!

Gold
Sponsors



TELEHOUSE



Silver
Sponsors



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

The screenshot shows a web browser window with the URL peeringdb.com/search?q=athens. The search term 'athens' is entered in the search bar. Below the search bar, the PeeringDB logo is displayed. To the right of the logo, there is a search bar containing 'athens'. Below the search bar, there are two links: 'Advanced Search' and 'v2 Search (Beta)'. The main content area shows a list of search results, with the first result being 'athens'.

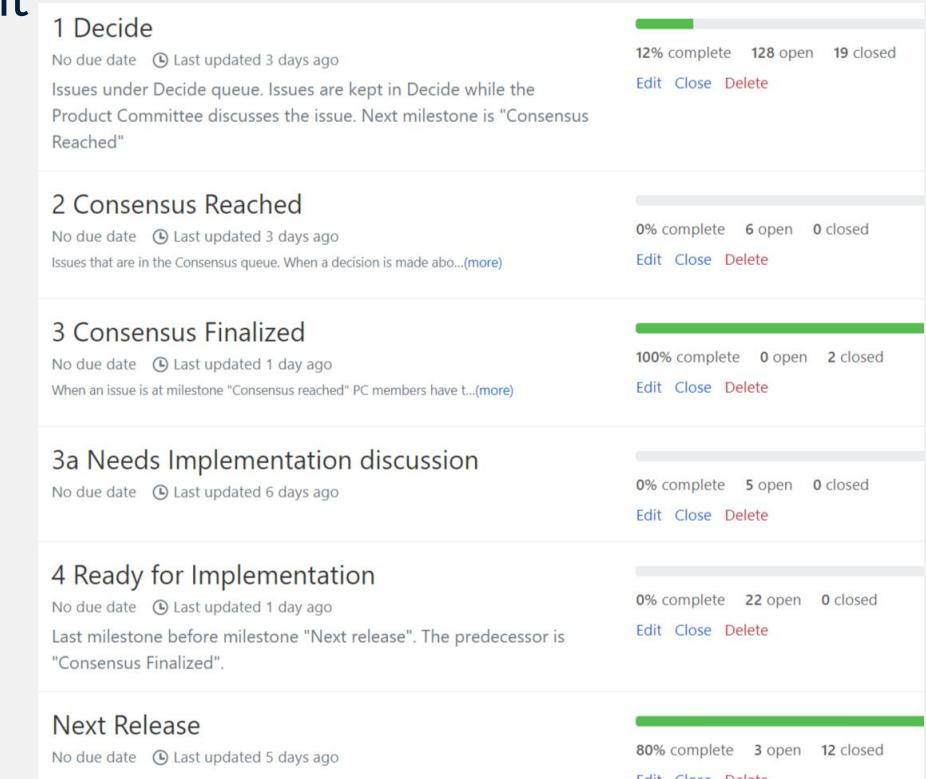


Proud Sponsor of
PeeringDB Gold

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

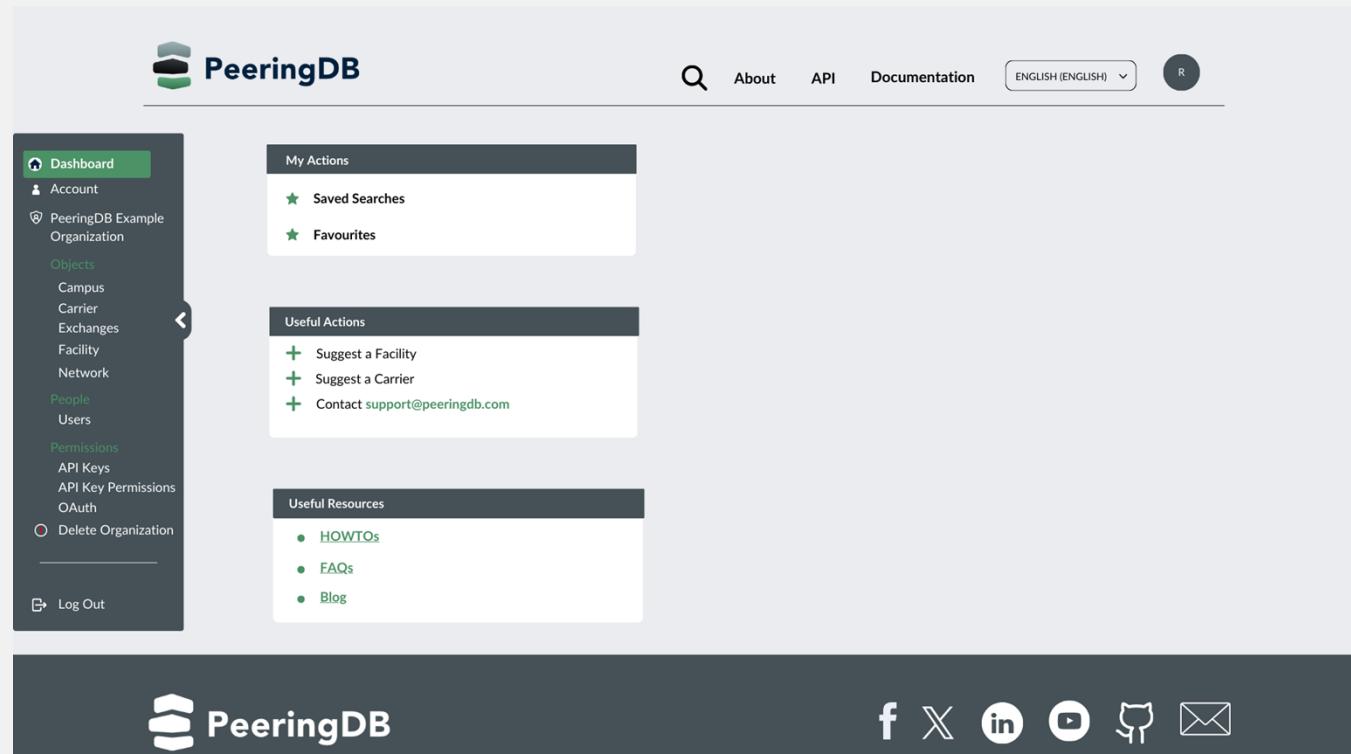
The screenshot shows the GitHub Issues page for the 'peeringdb / peeringdb' repository. The page has a header with navigation links for Code, Issues (170), Pull requests (1), Discussions, Actions, Projects (4), Wiki, Security (19), and Insights. A search bar at the top right contains the placeholder 'Type [] to search'. Below the header, there are filters for Labels (22) and Milestones (6), and a 'New issue' button. A search bar with the query 'is:issue is:open sort:comments-desc' is present. A link to 'Clear current search query, filters, and sorts' is available. The main area displays a list of 170 open issues, each with a title, a 'Time:Major' or 'Time:Minor' label, and a brief description. The issues are sorted by comment count in descending order. Each issue card includes a 'Comments' icon, a user profile icon, and a number indicating the count of comments.

Issue Title	Type	Comments	User
#1366 Allow facilities to remove objects from locations	Time:Major	70	grizz
#607 Add location of Physical IX-Port & Router Port	enhancement	64	JGrondel
#734 Add 'recommended_routeserver_asn' to ix object	Time:Minor	43	job
#1131 Enhacing Facility Ownership Record with Fiber Optic Electronic "Lobby Directory"	enhancement	41	martinhannigan
#1547 Enable non-disclosure of the number of "IPv4 Prefixes" and/or "IPv6 Prefixes" in the net object	Time:Minor	34	jayb-github

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“

The screenshot shows the PeeringDB interface for adding a new Exchange Point. At the top right are 'Cancel' and 'Save' buttons. Below is a table titled 'Public Peering Exchange Points' with columns: Exchange, ASN, Speed, RS Peer, and BFD Support. Two rows for 'DE-CIX Jakarta' are listed, both with ASN 9748 and Speed 10000 mbit/sec. The first row has 'Operational' checked and IP 103.159.71.124 with prefix 2001:df5:7880::2614:a:1. The second row also has 'Operational' checked and IP 103.159.71.125 with prefix 2001:df5:7880::2614:a:2. On the left, a sidebar lists fields: Exchange, IPv4, IPv6, Speed (mbit/sec), RS Peer, BFD Support, and Operational. A dropdown menu is open over the 'Exchange' field, showing a list of IXPs starting with 'de-cix'. The list includes DE-CIX Esbjerg DK, DE-CIX Frankfurt DE, DE-CIX Hamburg DE, DE-CIX Helsinki FI, DE-CIX Helsinki, DE-CIX Hyderabad IN, DE-CIX Istanbul TR, DE-CIX Jakarta ID, DE-CIX Jakarta, and DE-CIX Kolkata IN.

Exchange	ASN	Speed	RS Peer	BFD Support
DE-CIX Jakarta	9748	10000	<input type="checkbox"/>	<input type="checkbox"/>
103.159.71.124	2001:df5:7880::2614:a:1			
DE-CIX Jakarta	9748	10000	<input type="checkbox"/>	<input type="checkbox"/>
103.159.71.125	2001:df5:7880::2614:a:2			

Exchange

IPv4

IPv6

Speed (mbit/sec)

RS Peer

BFD Support

Operational

de-cix

DE-CIX Esbjerg DK

DE-CIX Frankfurt DE

DE-CIX Hamburg DE

DE-CIX Helsinki FI

DE-CIX Helsinki

DE-CIX Hyderabad IN

DE-CIX Istanbul TR

DE-CIX Jakarta ID

DE-CIX Jakarta

DE-CIX Kolkata IN

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“

Interconnection Facilities

Facility A-Z ▾
ASN

Country
City

Filter

No filter matches.
You may filter by **Facility**, **ASN**, **Country** or **City**.

Facility

ntt Ja

- NTT Jakarta 1 Data Center (JKT1)
Wisma 46 - Kota BNI
- NTT Jakarta 2 Data Center (JKT2)
Jalan Kuningan Barat No.8 NTT building, Kuningan Barat, Mampang Prapatan, Kota Jakarta (inside Cyber Area)
- NTT Jakarta 3 Data Center (JKT3)
Cibitung