



PeeringDB

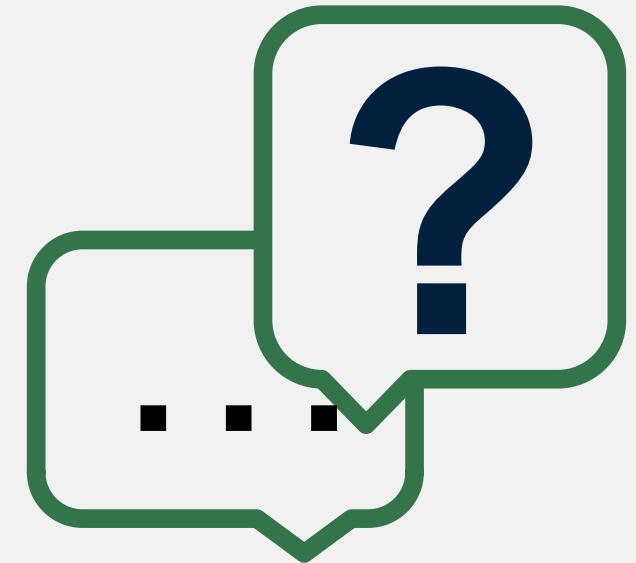
What's new on PeeringDB?

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

- Manage administration of user accounts and PeeringDB records
- Answer support tickets
- Cleansing and completion of PeeringDB records

Leads: Chriztoffer Hansen (Chair) and Peter Helmenstine (Vice Chair)
Contact: admincom@lists.peeringdb.com

Operations Committee

- Manage PeeringDB infrastructure

Leads: Job Snijders (Chair) and Aaron Hughes (Vice Chair)
Contact: pdb-ops@lists.peeringdb.com

Outreach Committee

- Manage marketing and social media
- Develop and maintain presentations, workshops and webinars
- Coordinate presentations and attendance at events

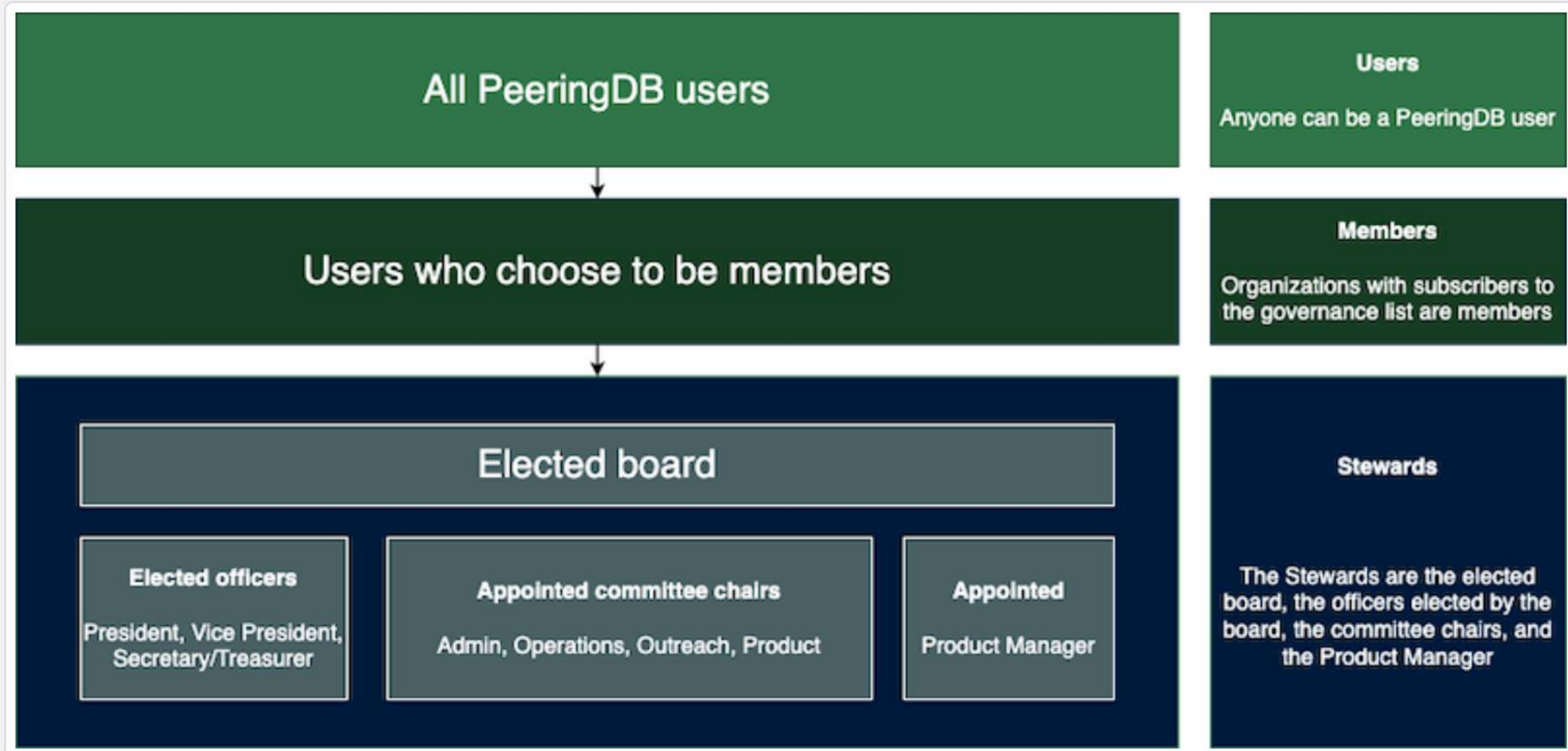
Leads: Ben Ryall (Chair)
Contact: outreachcom@lists.peeringdb.com

Product Committee

- Manage roadmap and development priorities
- Ask for input from the community on desired features
- Write SoWs to solicit bids to complete requested features

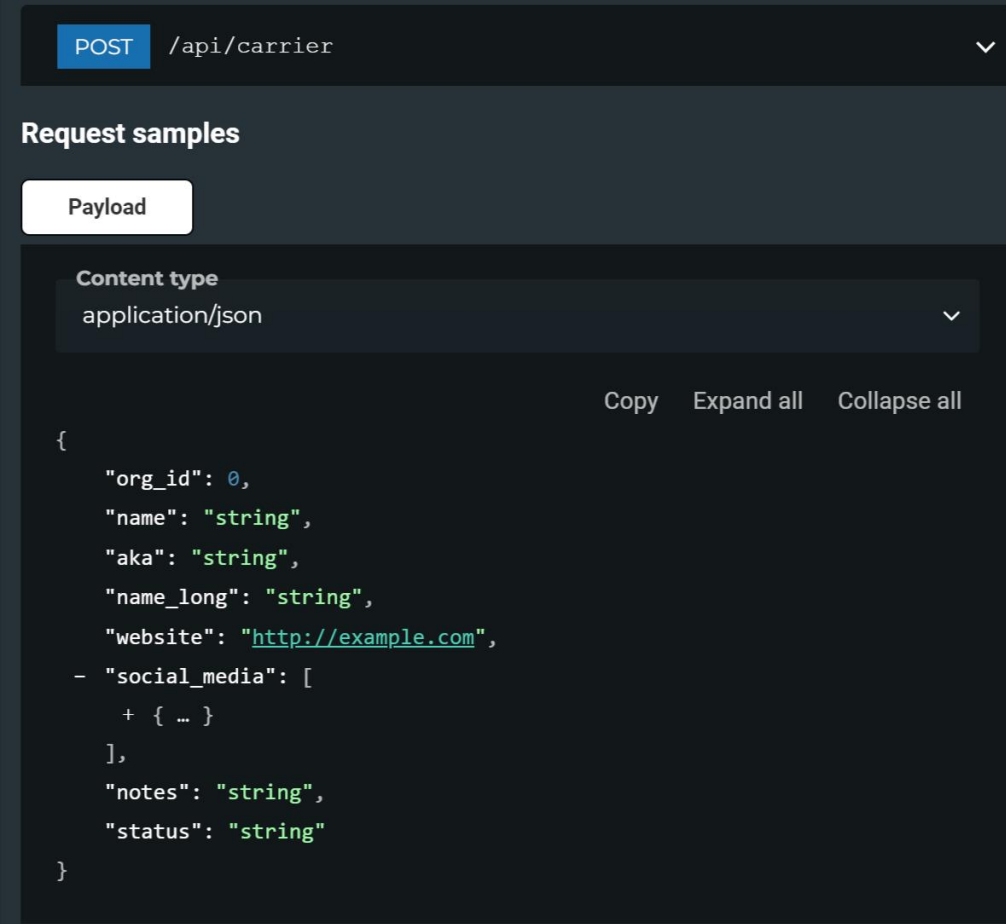
Leads: Jack Carrozzo (Chair) and Matt Griswold (Vice Chair)
Product Manager: Leo Vegoda
Contact: productcom@lists.peeringdb.com

How to Vote



How to access PeeringDB?

- Provides a GUI and an API
- The GUI nicely puts together what you can retrieve via the API separately
- The API is useful for automating and mass info retrieval
 - See <https://www.peeringdb.com/apidocs/> for more information



POST /api/carrier

Request samples

Payload







Content type: application/json

```
{
  "org_id": 0,
  "name": "string",
  "aka": "string",
  "name_long": "string",
  "website": "http://example.com",
  "social_media": [
    + { ... }
  ],
  "notes": "string",
  "status": "string"
}
```

Copy Expand all Collapse all

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"	 12% complete 128 open 19 closed Edit Close Delete
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)	 0% complete 6 open 0 closed Edit Close Delete
3 Consensus Finalized No due date ⌚ Last updated 1 day ago When an issue is at milestone "Consensus reached" PC members have t...(more)	 100% complete 0 open 2 closed Edit Close Delete
3a Needs Implementation discussion No due date ⌚ Last updated 6 days ago	 0% complete 5 open 0 closed Edit Close Delete
4 Ready for Implementation No due date ⌚ Last updated 1 day ago Last milestone before milestone "Next release". The predecessor is "Consensus Finalized".	 0% complete 22 open 0 closed Edit Close Delete
Next Release No due date ⌚ Last updated 5 days ago	 80% complete 3 open 12 closed Edit Close Delete

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>



Updates

News from the Frontlines

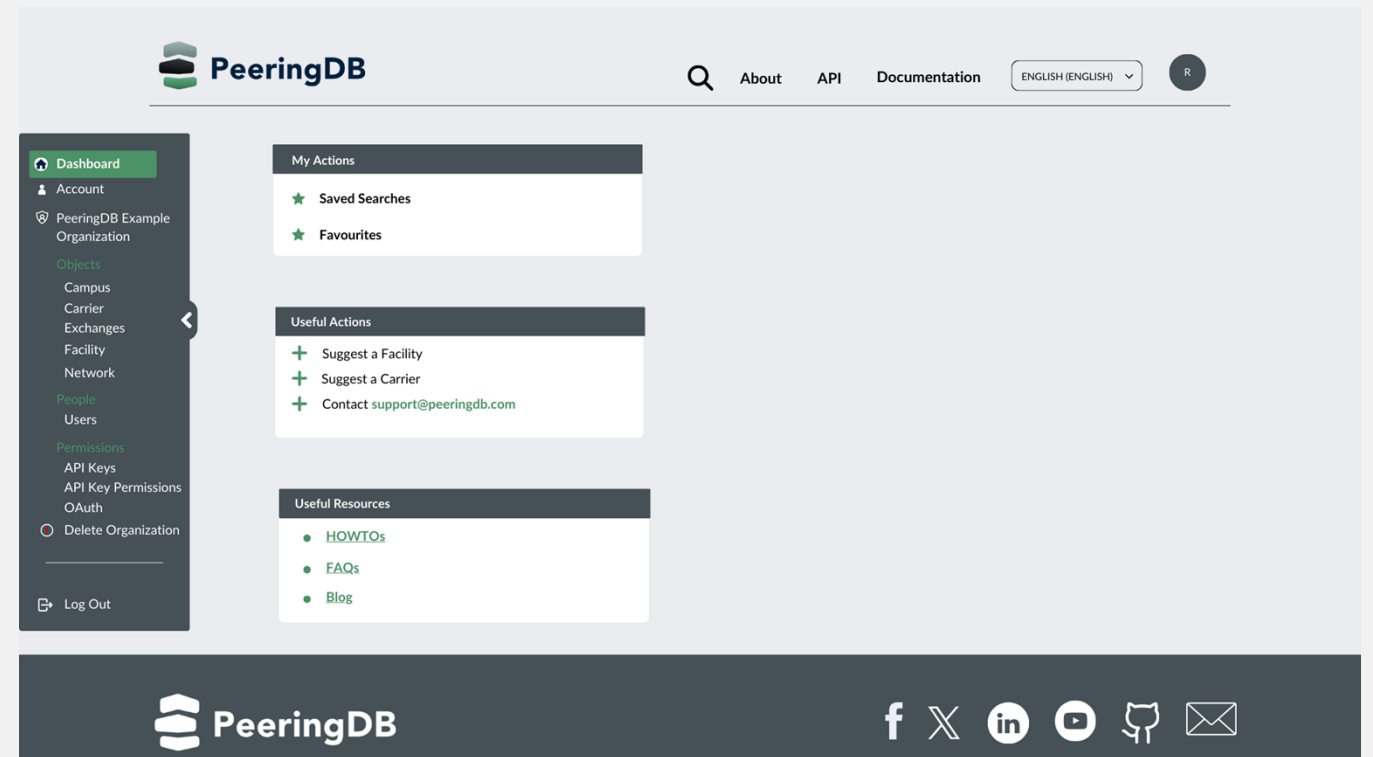
- Web UI design changes
- New KMZ export feature
- Improved search
- Beta testing
- Call for Volunteers

The screenshot displays the GitHub Issues page for the 'peeringdb' repository. The page header shows the repository name and navigation links for Code, Issues (170), Pull requests (1), Discussions, Actions, Projects (4), Wiki, Security (19), and Insights. A search bar is present at the top right. Below the navigation, there are filters and sorting options, along with a 'New issue' button. The main content area shows a list of issues, with the top issue being 'Allow facilities to remove objects from locations' (Time:Major) with 70 comments. Other visible issues include 'Add location of Physical IX-Port & Router Port' (enhancement, Time:Major, 64 comments), 'Add 'recommended_routerserver_asn' to ix object' (Time:Minor, 43 comments), 'Enhancing Facility Ownership Record with Fiber Optic Electronic "Lobby Directory"' (enhancement, 41 comments), and 'Enable non-disclosure of the number of "IPv4 Prefixes" and/or "IPv6 Prefixes" in the net object' (34 comments).

Web UI

Planned Improvements

- Better device presentation
- Dashboard options
- Lazy loading



New KMZ Features

Facility Data

- Locations and metadata
- Exported daily
- Importable to Google Maps

Later this year

- Export searches to KMZ
- Improved visual attributes



Search (pending release)

Search is getting better

- Location support
- Object type searching
- Boolean operators
- Refined results

The screenshot shows the PeeringDB search interface. At the top left is the PeeringDB logo. To its right is a search input field containing the text "net in charlotte, nc". Below the input field are two links: "Advanced Search" and "Legacy Search". In the top right corner, there is a user profile for "marty" and a language selector set to "English (English)".

A light blue banner below the search bar contains the text: "You are using our new beta search interface. [Click here](#) to return to the old interface. [Click here](#) to provide feedback."

Below the banner, the search results are displayed for "net in Charlotte, US within 52km". The results are organized into four columns:

- Exchanges (4)**:
 - [Global Peer Exchange](#)
 - [MegalX Charlotte](#)
 - [Ninja-IX Charlotte](#)
 - [Statewide NC-IX](#)
- Networks (6)**:
 - [Cato Networks \(13150\)](#)
 - [GTT Communications \(AS3257\) \(3257\)](#)
 - [Hurricane Electric \(6939\)](#)
 - [Monetra Technologies \(394887\)](#)
 - [Tier.Net Technologies LLC \(397423\)](#)
 - [Zayo \(Abovenet Communications Inc.\) \(6461\)](#)
- Facilities (2)**:
 - [Carolina Internet / CaroNet](#)
 - [Carolina Internet / CaroNet XB](#)
- Organizations (0)**
- Campus (0)**
- Carriers (0)**

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

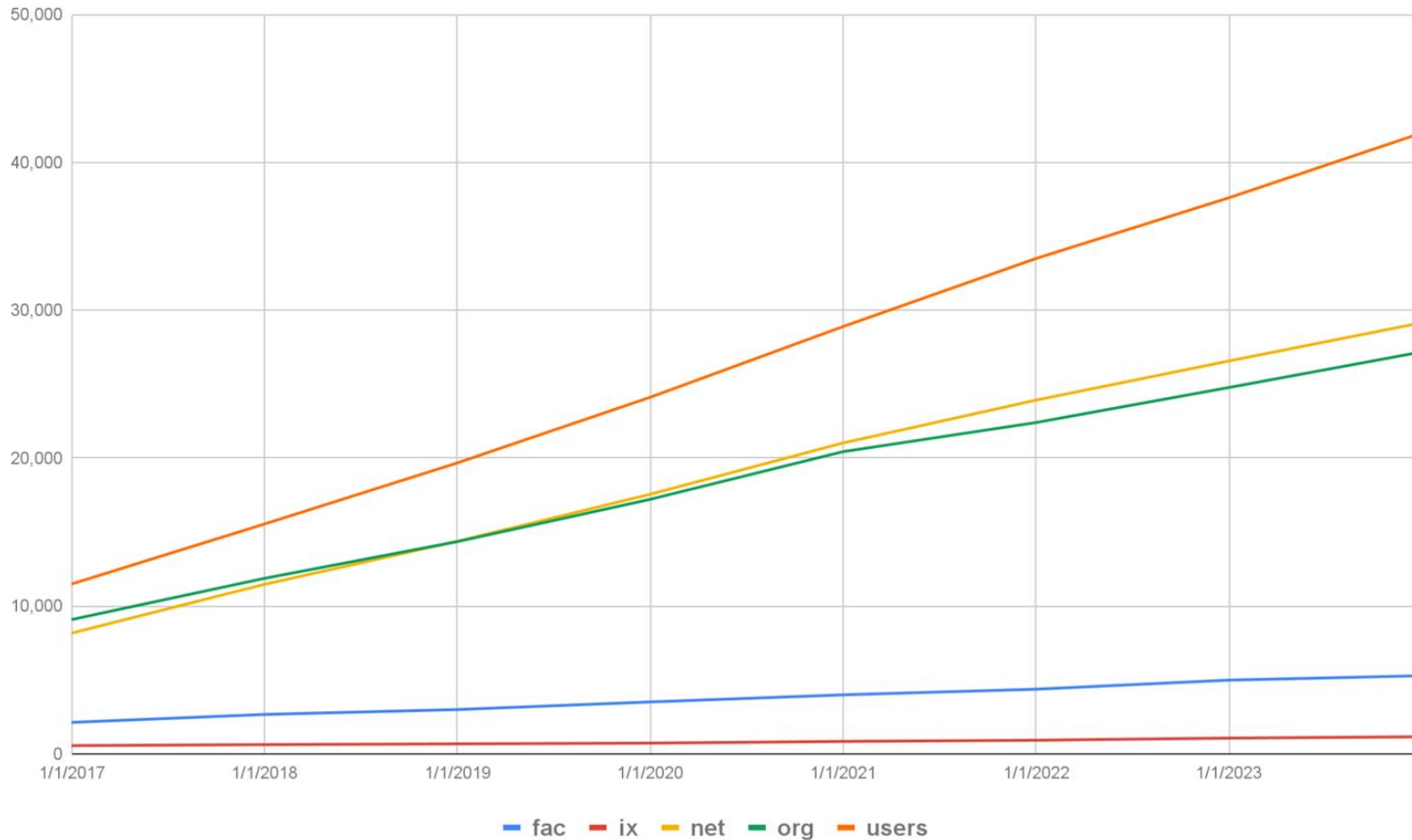
Call for Volunteers

- **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.

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

Romania and its bordering countries from PeeringDB POV

CC	IXP/OP	ASN	LASN	Colo/OP	ASN	LASN	TASN	TLASN	PDB	RIR	%
RO	9/9	164	89	41/31	150	74	217	104	168	1125	14,9
BG	7/7	204	84	39/14	189	65	291	97	140	743	18,8
HU	1/1	95	46	6/6	88	45	122	53	77	299	25,8
MD	2/2	22	18	3/3	12	7	25	18	33	213	15,5
RS	2/2	36	12	9/9	25	8	51	14	30	205	14,6
UA	25/20	394	272	52/42	233	185	426	281	448	2085	21,5

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

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