



PeeringDB

Introduction & Update

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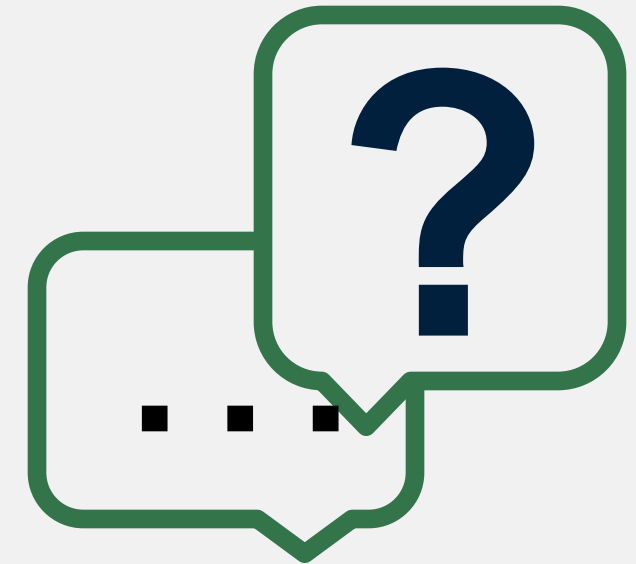


MUMBAI

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



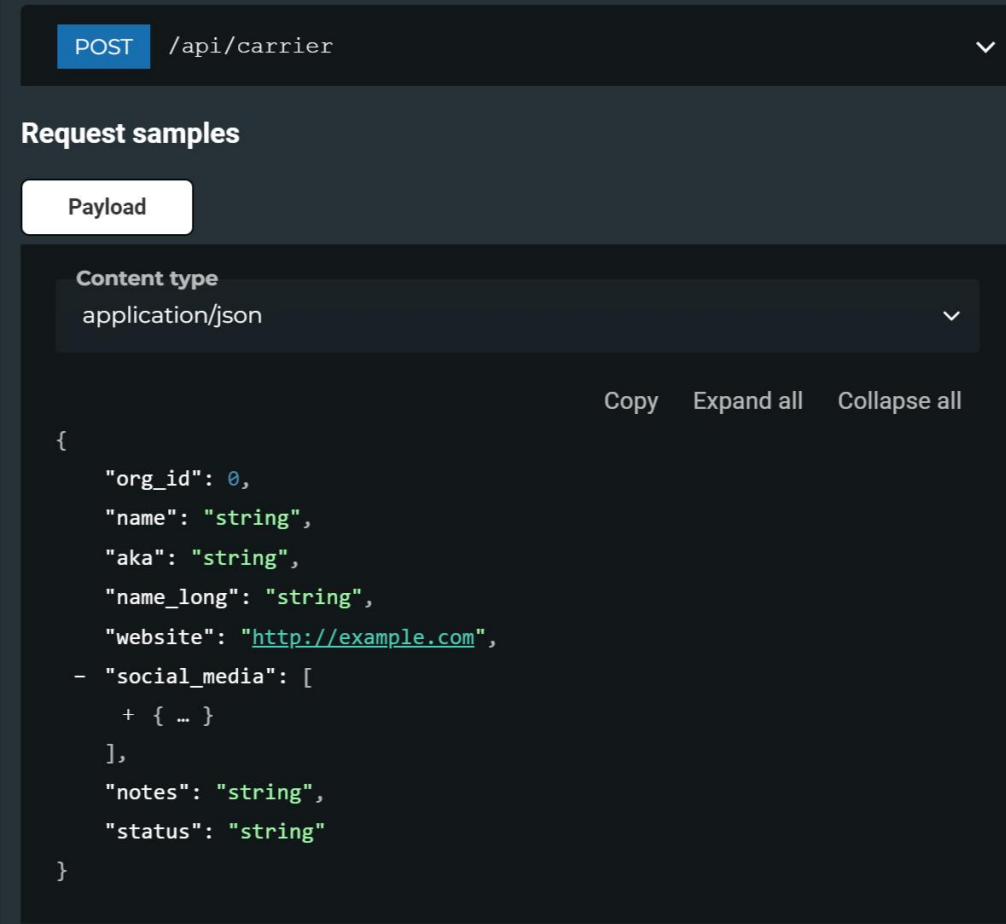
What is PeeringDB?

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

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

Copy Expand all Collapse all

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

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
 - 480 addresses subscribed to the Governance mailing list (as of April 15, 2024)
 - Elections every year, renewing half of the board. Closing at 2024-04-29T23:59Z
 - 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



Chris Caputo – Secretary and Treasurer (Officer)



Aaron Hughes – Vice President (Term Expires 2024)



Rahul Makhija – Director (Term Expires 2025)



Christopher Malayter – President (Term Expires 2025)



Livio Morina – Director (Term Expires 2025)



Job Snijders – Director (Term Expires 2024)

Committees

Admin Committee

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

Leads: Patrick Gilmore (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) and Bijal Sanghani (Vice 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: Stephen McManus (Chair) and Matt Griswold (Vice Chair)
Product Manager: Leo Vegoda
Contact: productcom@lists.peeringdb.com

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>

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

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Code Issues 170 Pull requests 1 Discussions Actions Projects 4 Wiki Security 19 Insights

Filters is:issue is:open sort:comments-desc Labels 22 Milestones 6 New issue

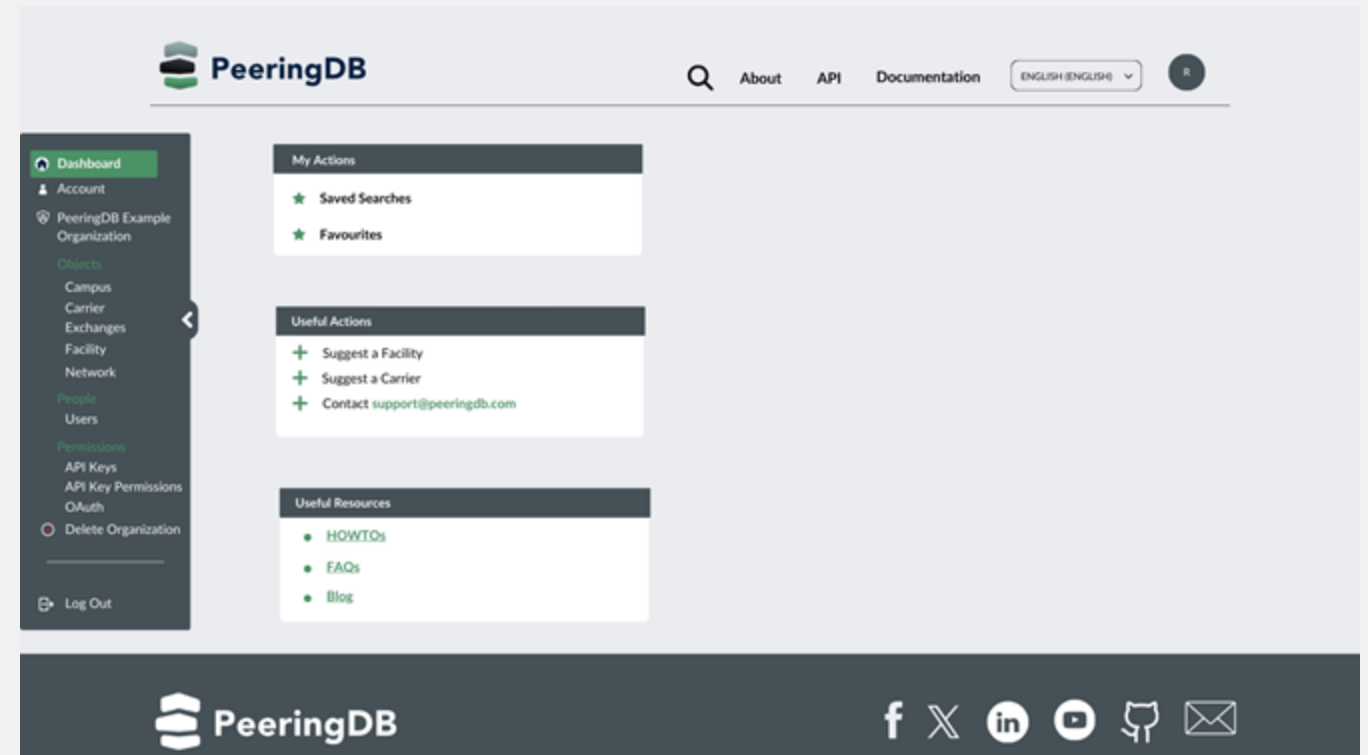
Clear current search query, filters, and sorts

Issue	Author	Label	Projects	Milestones	Assignee	Sort
170 Open ✓ 1,083 Closed						
Allow facilities to remove objects from locations Time:Major #1366 opened on Apr 5, 2023 by grizz 4 Ready for Impl...						70
Add location of Physical IX-Port & Router Port enhancement Time:Major #607 opened on Dec 12, 2019 by JGrondel 3a Needs Imple...						64
Add 'recommended_routerserver_asn' to ix object Time:Minor #734 opened on Jun 2, 2020 by job 3a Needs Imple...						43
Enhancing Facility Ownership Record with Fiber Optic Electronic "Lobby Directory" enhancement #1131 opened on Mar 19, 2022 by martinhanigan 1 Decide						41
Enable non-disclosure of the number of "IPv4 Prefixes" and/or "IPv6 Prefixes" in the net object #1547 opened on Feb 12 by jayb-github 3a Needs Imple...						34

Web UI

Planned Improvements

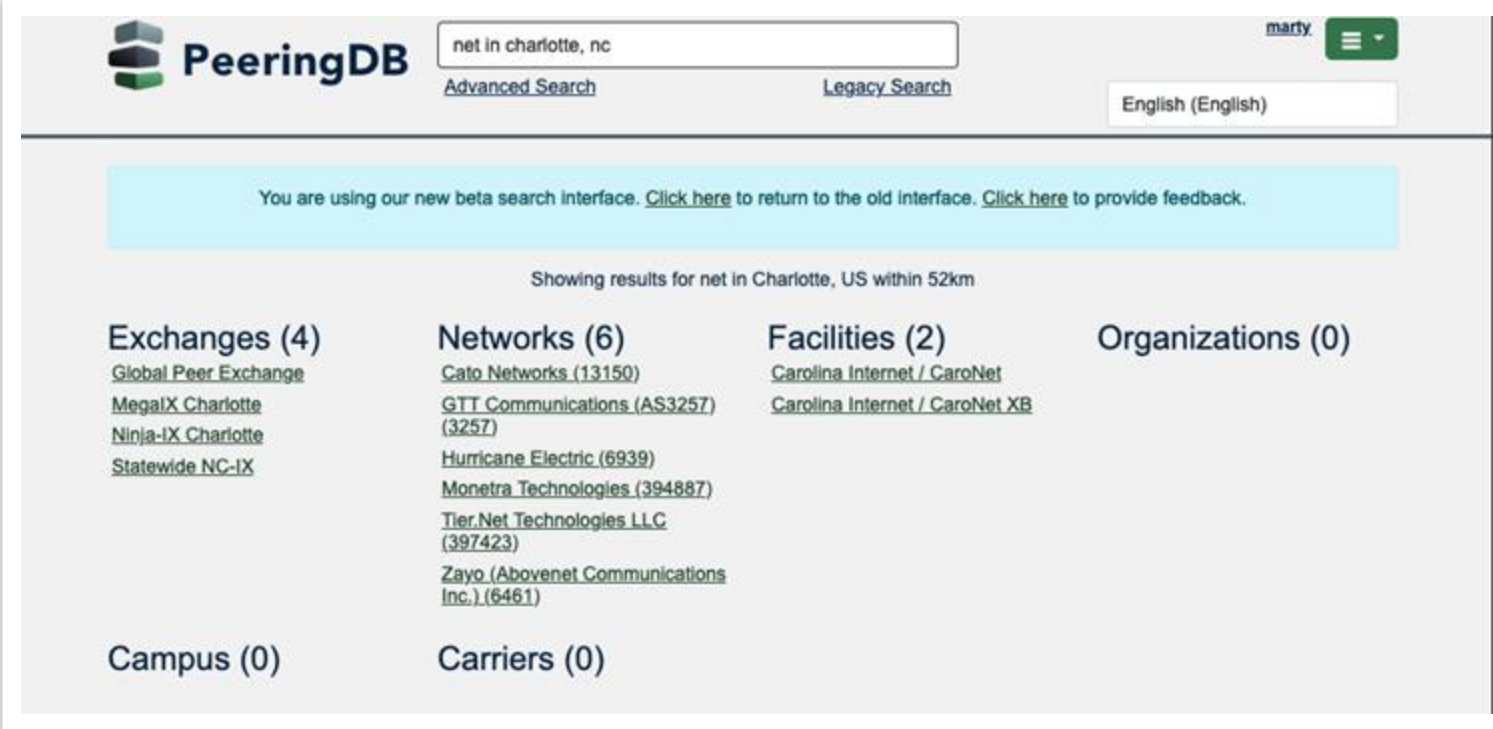
- Better device presentation
- Dashboard options
- Lazy loading



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, the PeeringDB logo is on the left, and a search bar contains the text "net in charlotte, nc". To the right of the search bar are links for "Advanced Search" and "Legacy Search", and a language selector set to "English (English)". Below the search bar is a light blue notification banner that reads: "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](#)
 - [MegaIX 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

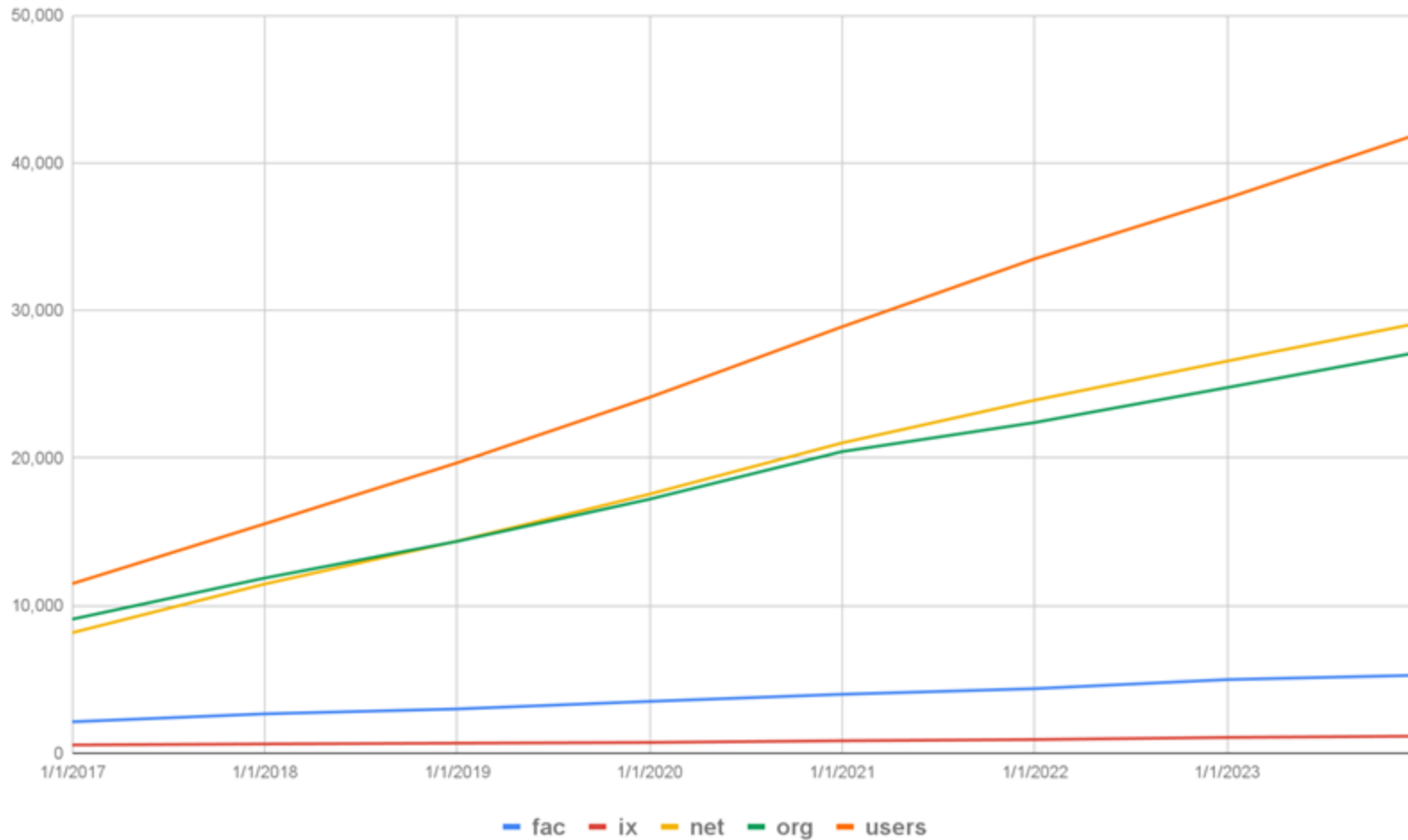
Call for Volunteers

- **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 15 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

SANOG from PeeringDB POV

CC	IXP	ASN	LASN	Colo	ASN	LASN	TASN	TLASN	PDB	RIR
AF	1/1	15	13	0/0	0	0	15	13	26	62
BD	10/10	114	107	33/32	17	15	121	113	507	1744
BT	1/1	12	8	3/3	1	1	12	8	15	34
IN	40/21	906	785	221/59	704	576	1106	926	1370	5782
LK	0/0	0	0	1/1	0	0	0	0	9	29
MM	2/1	27	20	6/5	3	2	27	20	63	159
MV	1/1	8	5	1/1	2	2	8	5	10	18
NP	2/1	32	28	6/6	2	2	32	28	65	183
PK	2/2	4	4	18/17	11	7	13	9	157	374

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

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