PeeringDB

Introduction & Update

Arnold Nipper, arnold@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
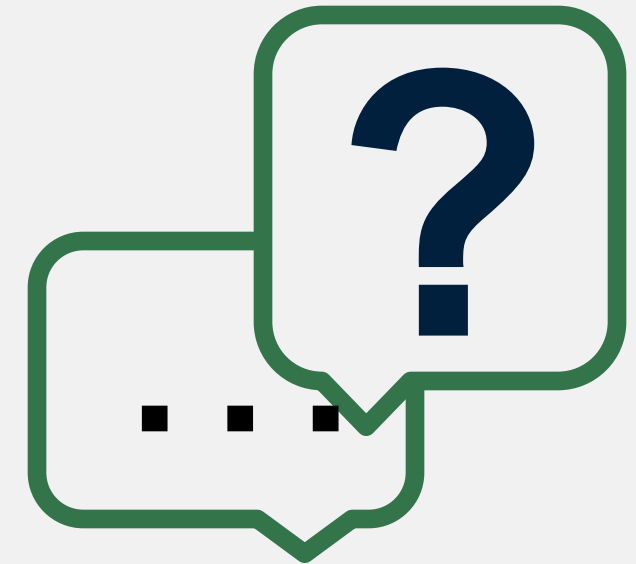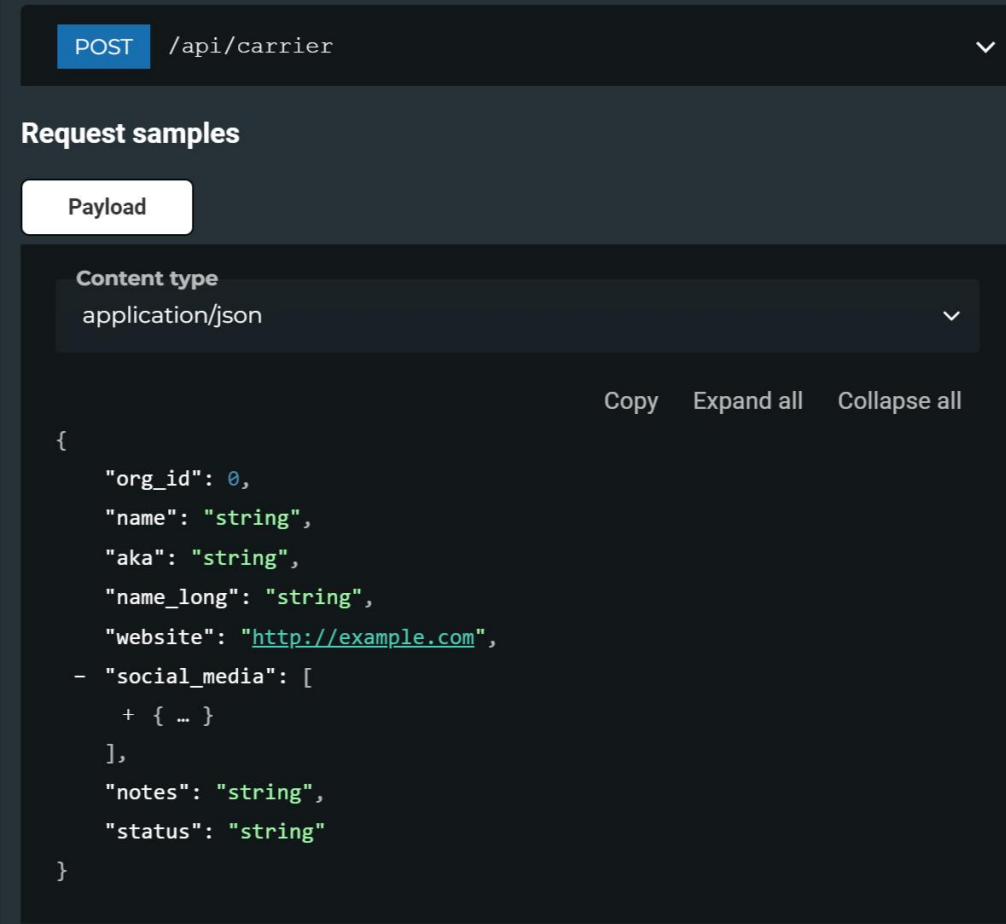
What is PeeringDB?

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

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

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	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: Patrick Gilmore (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) and Bijal Sanghani (Vice Chair) Contact: outreachcom@ lists.peeringdb.com	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!

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

Web UI

Planned Improvements
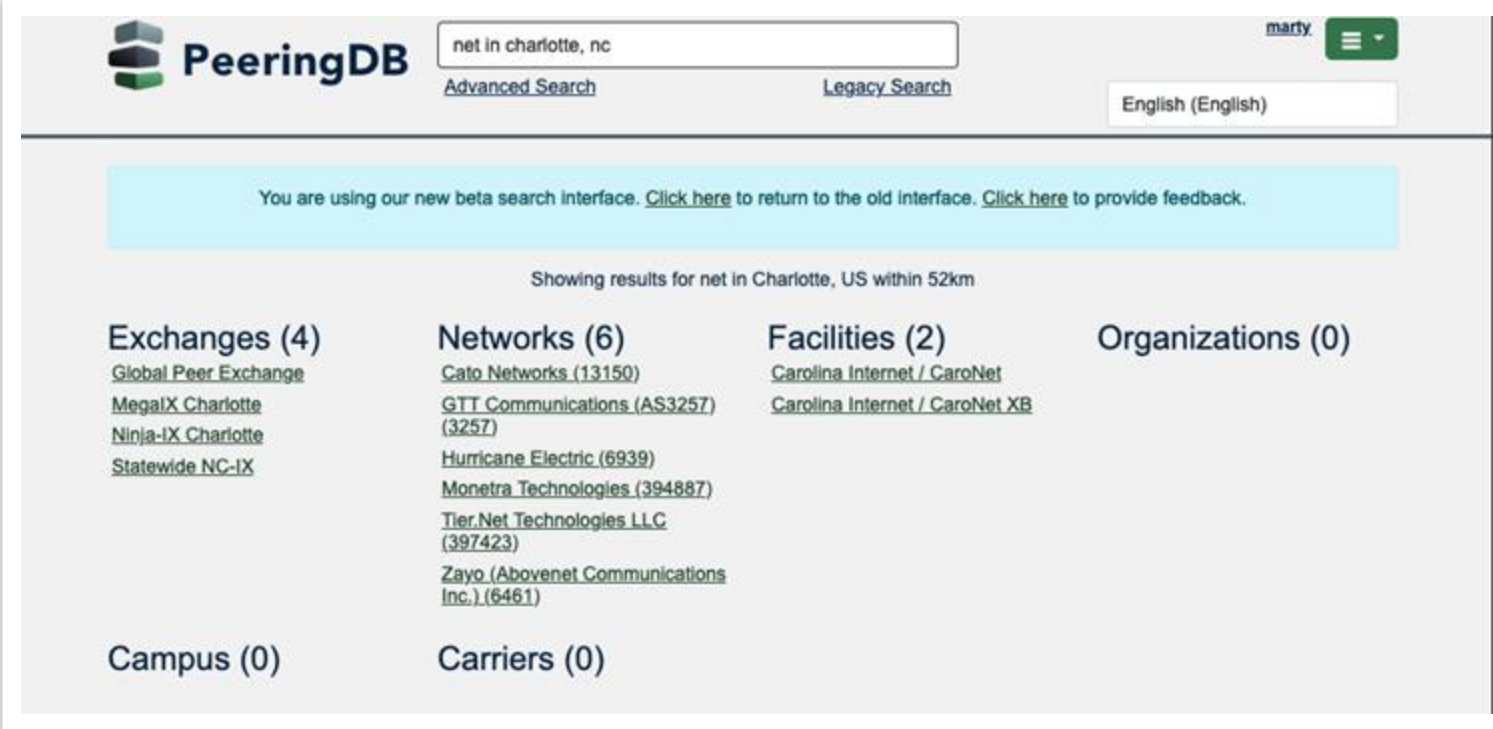
- Better device presentation
- Dashboard options
- Lazy loading

New KMZ Features

Facility Data

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

Later this year

- Export searches to KMZ
- Improved visual attributes
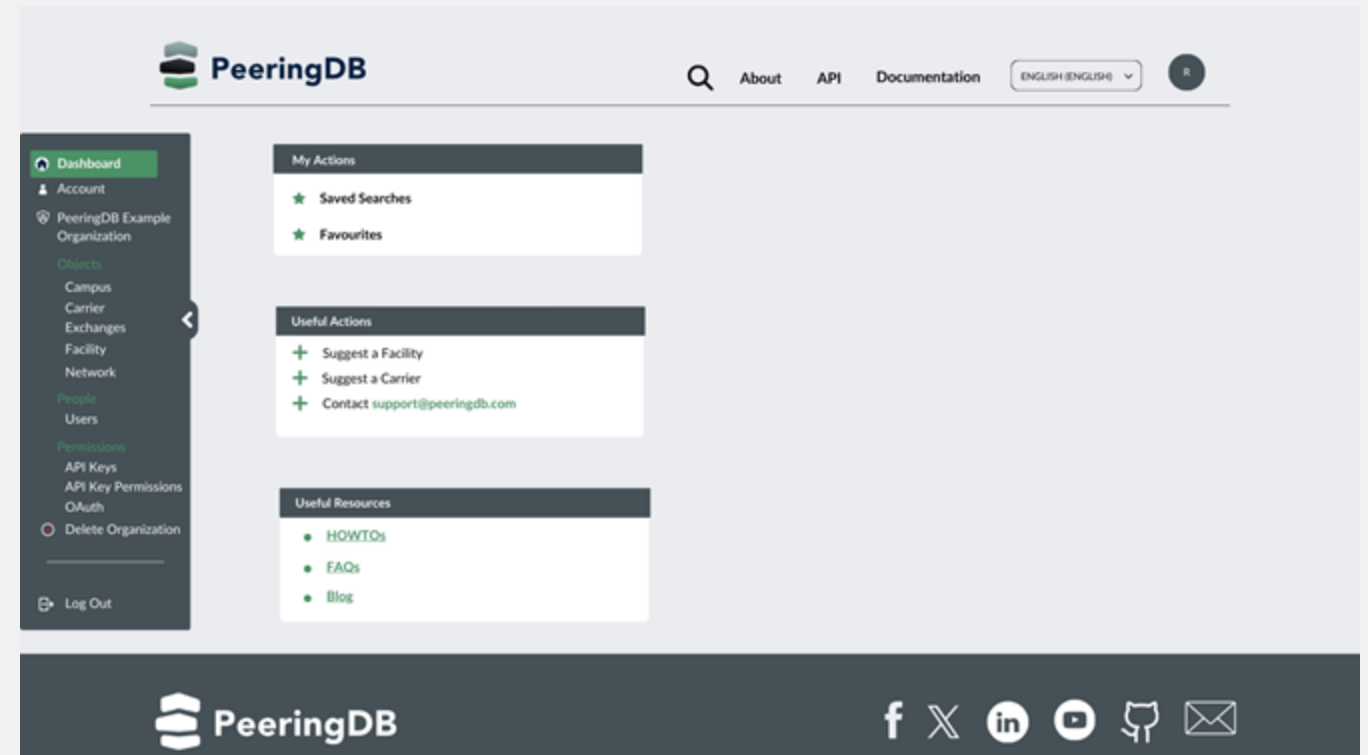
Search (pending release)

Search is getting better

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

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
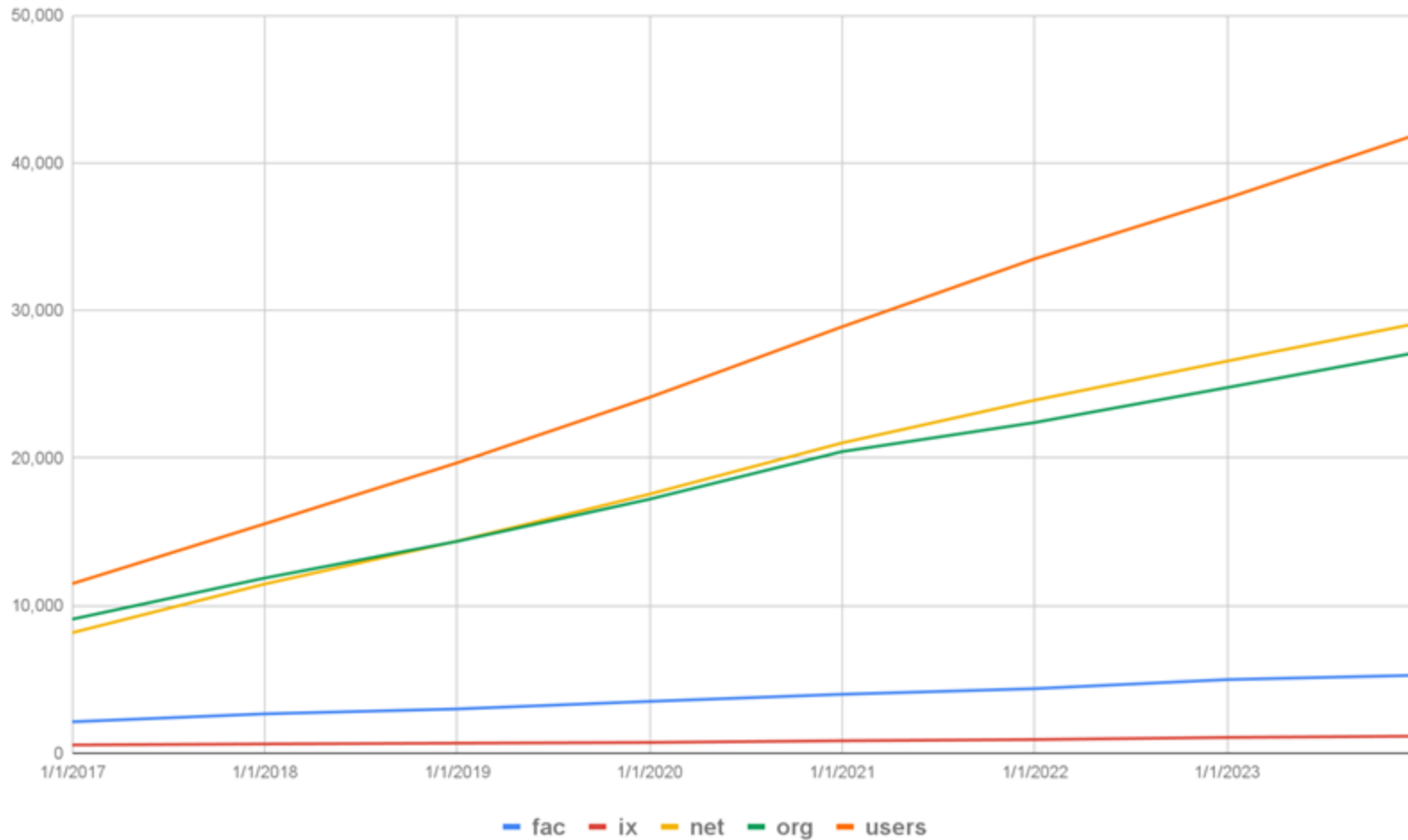
End of 2023, and growth on 2022

- 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

Thank you to our sponsors!

Diamond Sponsor

amazon   Microsoft

Platinum Sponsors

anexia   APNIC FOUNDATION   BBIX Internet Exchange   DE-CIX   HOBA.NET AS3653   Google

IRON MOUNTAIN DATA CENTERS   Meta   YAHOO!

Gold Sponsors

amsix   Akamai FASTER FORWARD   BCIX   CDN77   consoleconnect   DIGITAL REALTY   edgeuno

Internet Society   Internet Association of Australia   KDDI   TELEHOUSE   linx   MIX   NTT

Silver Sponsors

@Tokyo   AF-CIX powered by DE CIX   RACKCENTRE   cologix   CDS   Data4   franceIX www.franceix.net   H5 DATA CENTERS

INTERLAN INTERNET EXCHANGE   JPIX   kentik   lacnic   NAMEX ROMA INTERNET EXCHANGE POINT   Netrality Data Centers   NET NOD   NEWBY VENTURES   NIX·CZ

NLIX   NYIIX   swissix SWISS INTERNET EXCHANGE   QiX   QRATORLABS   TELEPOINT colocation   TERACO A DIGITAL REALTY COMPANY   zenlayer