



**PeeringDB**

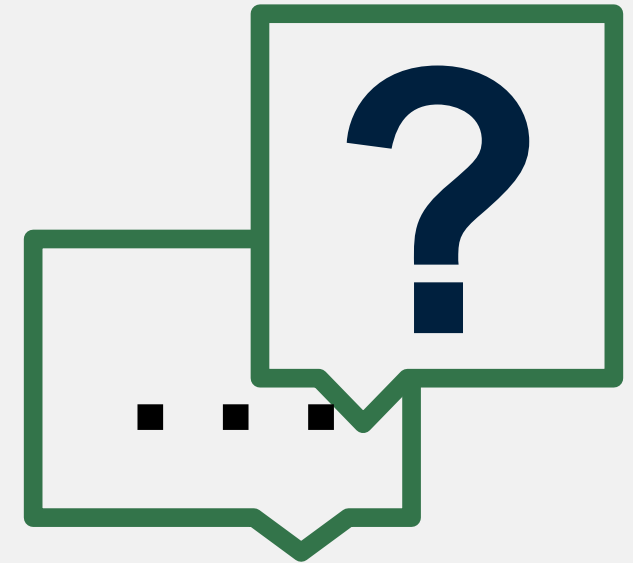
# What's new on PeeringDB?

Obinna Adumike  
obinna@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



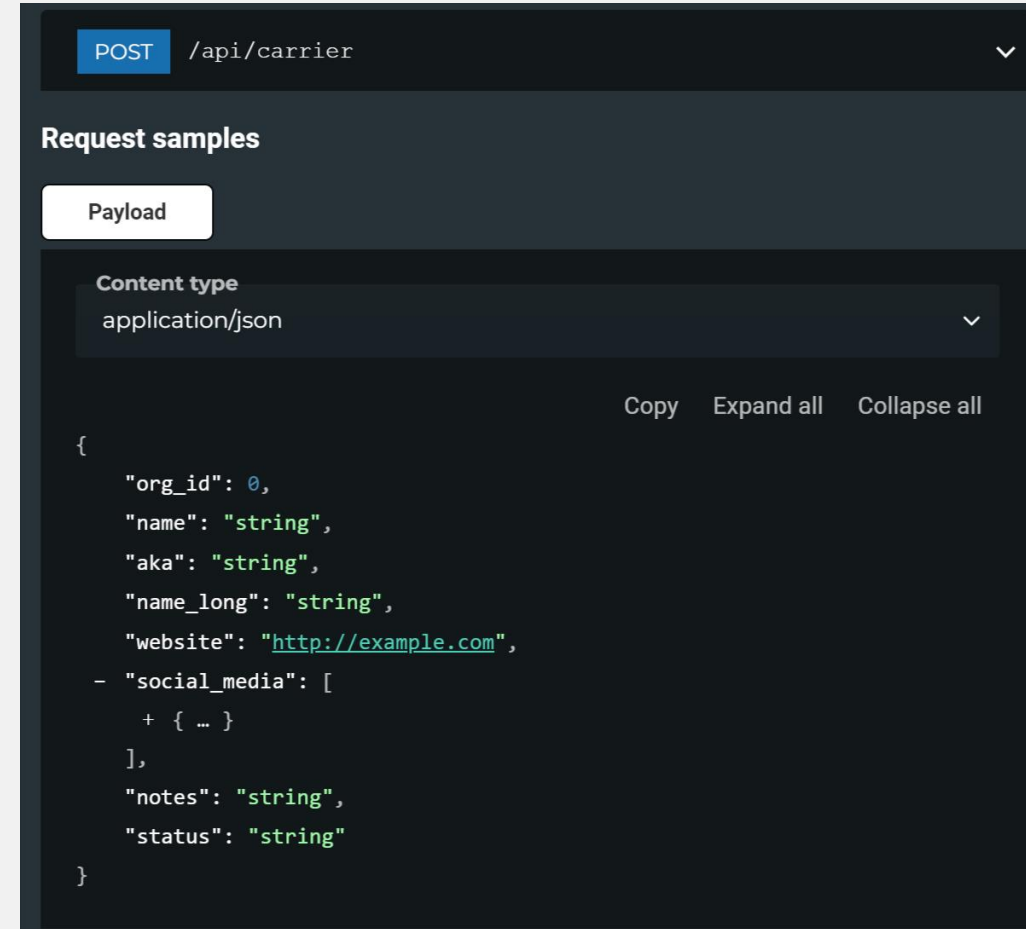
# What is PeeringDB?

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



# 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)

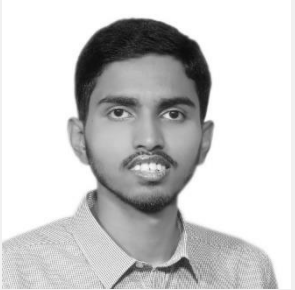


Livio Morina – Director  
(Term Expires 2025)



Job Snijders – Director  
(Term Expires 2026)

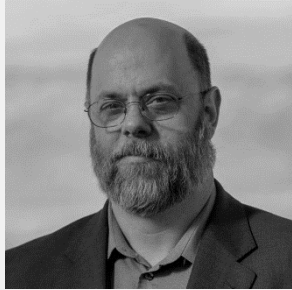
# Admin Committee



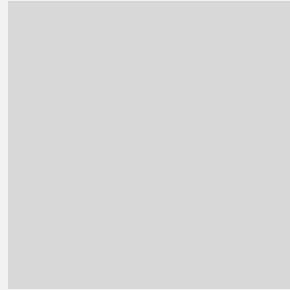
Ankesh  
Anand



Austin  
Brower



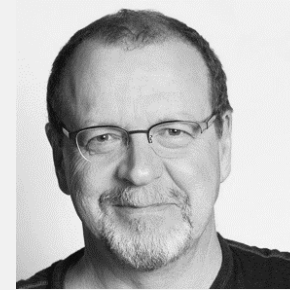
John  
Brown



Budiwijaya



Shaun  
Coffey



Ron  
Grant



Chriztoffer  
Hansen – Chair



Peter Helmenstine  
– Vice Chair



Gaël  
Hernandez



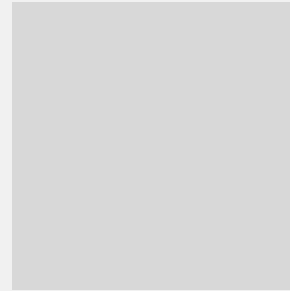
Adam  
Korab



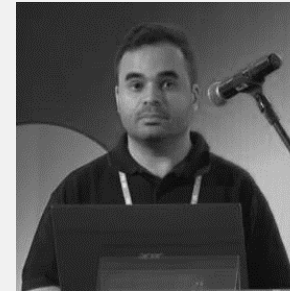
Chris Malayter –  
Board Liaison



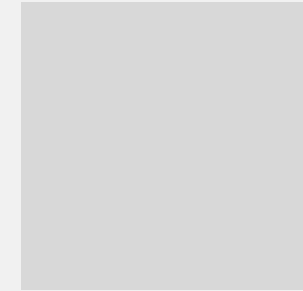
Aquinas  
Masakha



Crisóstomo  
Mbundu



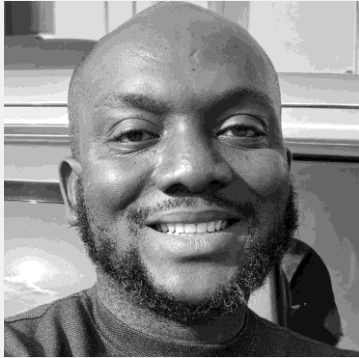
Julimar  
Mendes



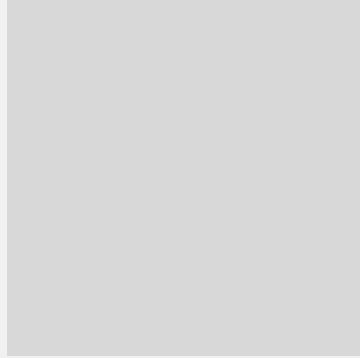
Laura  
Yepes



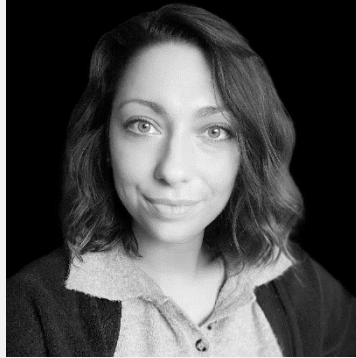
# Outreach Committee



Obinna  
Adumike



Lynsey  
Buckingham



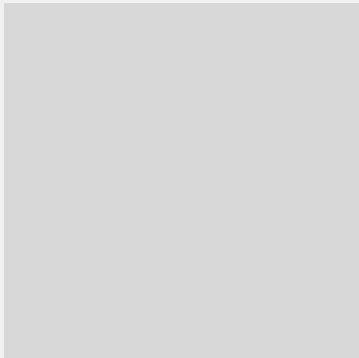
Yana  
Glaub



Greg  
Hankins



Aaron Hughes –  
Board Liaison



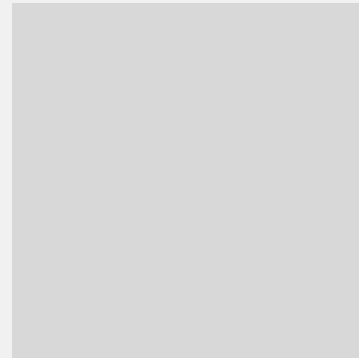
Tarryn  
Kidd



Livio  
Morina



Arnold  
Nipper

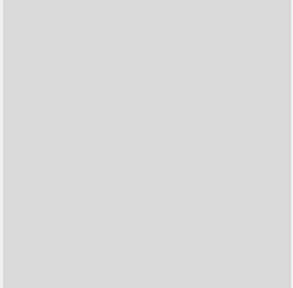


Ester  
Paal



Ben Ryall –  
Chair

# Product Committee



Jeff  
Bartig



Yan  
Berthier



Jack Carrozzo –  
Chair



Yolandi  
Cloete



Matt Griswold –  
Vice Chair



Martin  
Hannigan



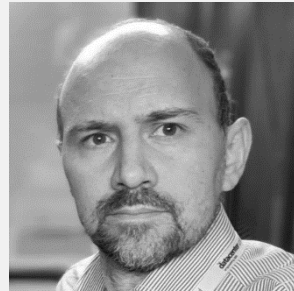
Peter  
Helmenstine



Paul  
Hoogsteder



Aaron Hughes –  
Board Liaison



Laurent  
Jarbinet



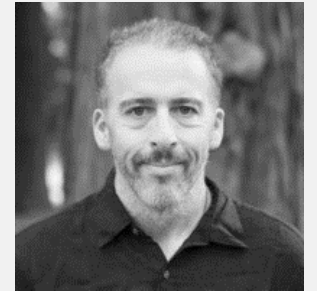
Stephen  
McManus



Arnold  
Nipper



Terry  
Sweetser



Leo Vegoda –  
Product Manager



# Call for Volunteers

- **Admin Committee**

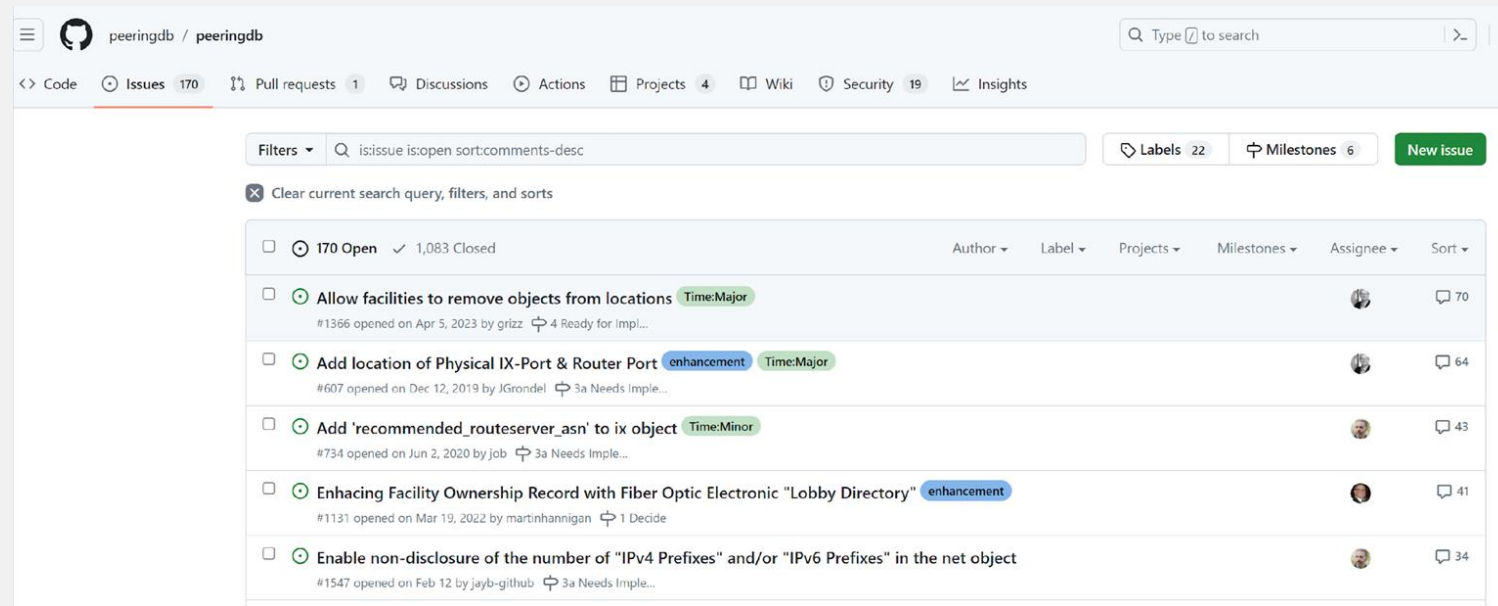
- Answer user support questions
- Suggest improvements based on experience
- Only apply if you have free slots at least four days the week for 20 minutes

Email us at [admincom@lists.peeringdb.com](mailto:admincom@lists.peeringdb.com) for more info.

# Updates

## News from the Frontlines

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



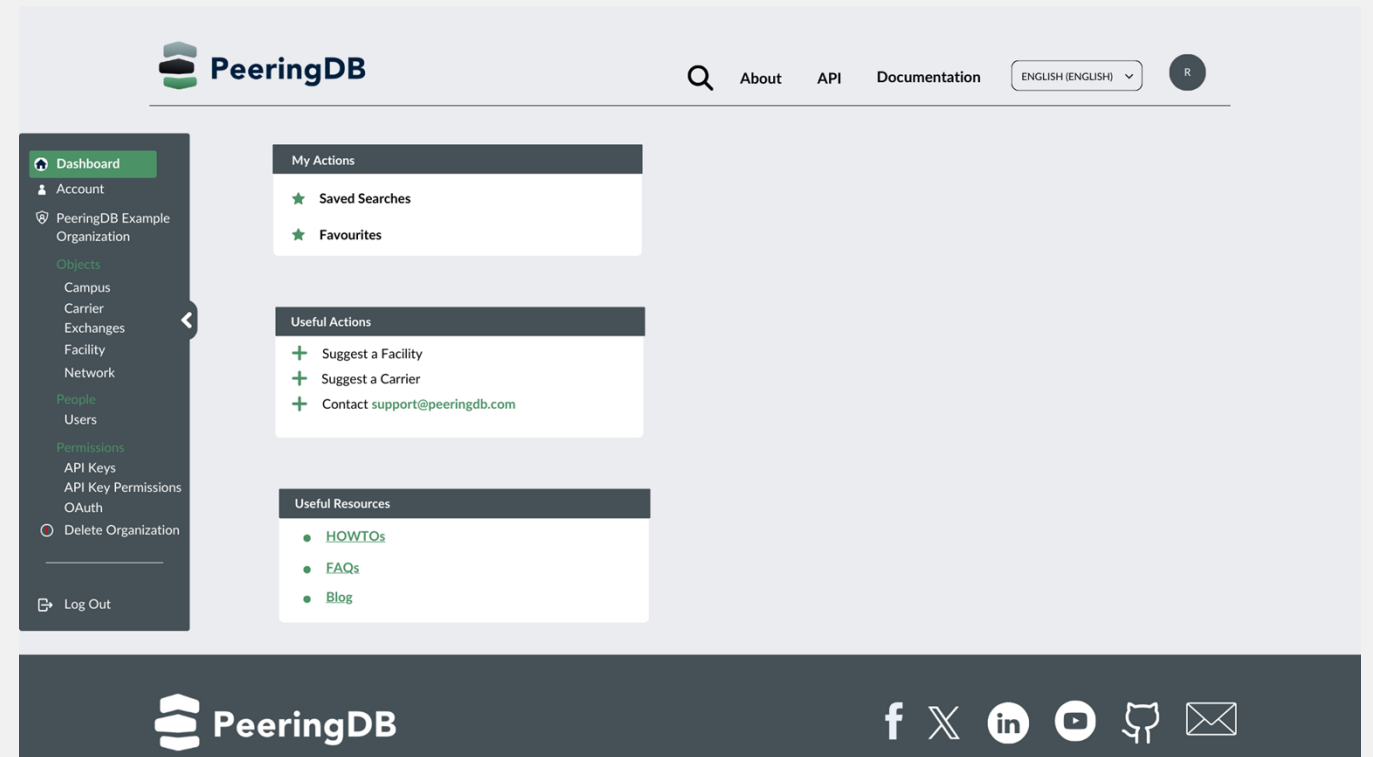
The screenshot shows the GitHub repository for PeeringDB. The top navigation bar includes links for Code, Issues (170), Pull requests (1), Discussions, Actions, Projects (4), Wiki, Security (19), and Insights. A search bar is located on the right. Below the navigation bar, there are filters and a search query 'is:issue is:open sort:comments-desc'. A table of issues is displayed, showing the number of open and closed issues, and a list of specific issues with their titles, labels, and comment counts.

Issue Title	Labels	Comments
170 Open ✓ 1,083 Closed		
Allow facilities to remove objects from locations	Time:Major	70
Add location of Physical IX-Port & Router Port	enhancement Time:Major	64
Add 'recommended_router_server_asn' to ix object	Time:Minor	43
Enhancing Facility Ownership Record with Fiber Optic Electronic "Lobby Directory"	enhancement	41
Enable non-disclosure of the number of "IPv4 Prefixes" and/or "IPv6 Prefixes" in the net object		34

# 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

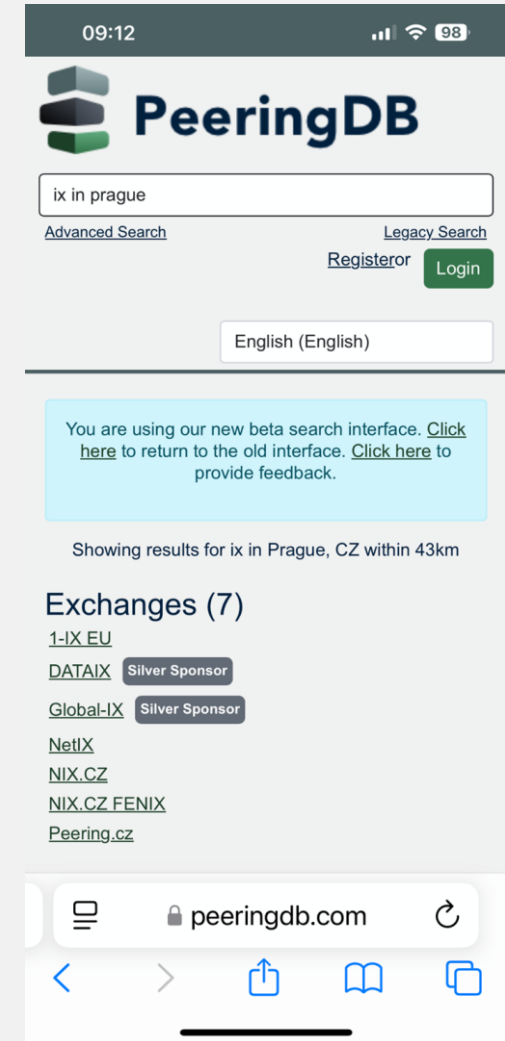
- Export searches to KMZ
- Improved visual attributes

Digital Realty CLT (113 N Myers St)	
Id	4770
Org_Id	8592
Org_Name	Digital Realty
Name	Digital Realty CLT (113 N Myers St)
Website	<a href="https://www.digitalrealty.com">https://www.digitalrealty.com</a>
Net_Count	10
Ix_Count	1
Region_Continent	North America
Created	2017-12-21T19:12:54Z
Updated	2019-04-09T04:49:26Z
Status	ok
Address1	113 North Myers Street
City	Charlotte
Country	US
State	NC
Zipcode	28202
Latitude	35.2211885
Longitude	-80.835538
Exchanges	MeaLx Charlotte
Networks	Arelon (Twelve99) AS1299
	GT Communications (AS3257) AS3257
	Cogent Communications, Inc. AS174
	Coudiarte AS13335
	Cato Networks AS13150
	CULR, LLC AS2722
	West Carolina Communications AS10279
Networks	Monetta Technologies AS394867
	Zayo (Abovenet Communications Inc.) AS6461
	Ripplelter LLC AS400164



# 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

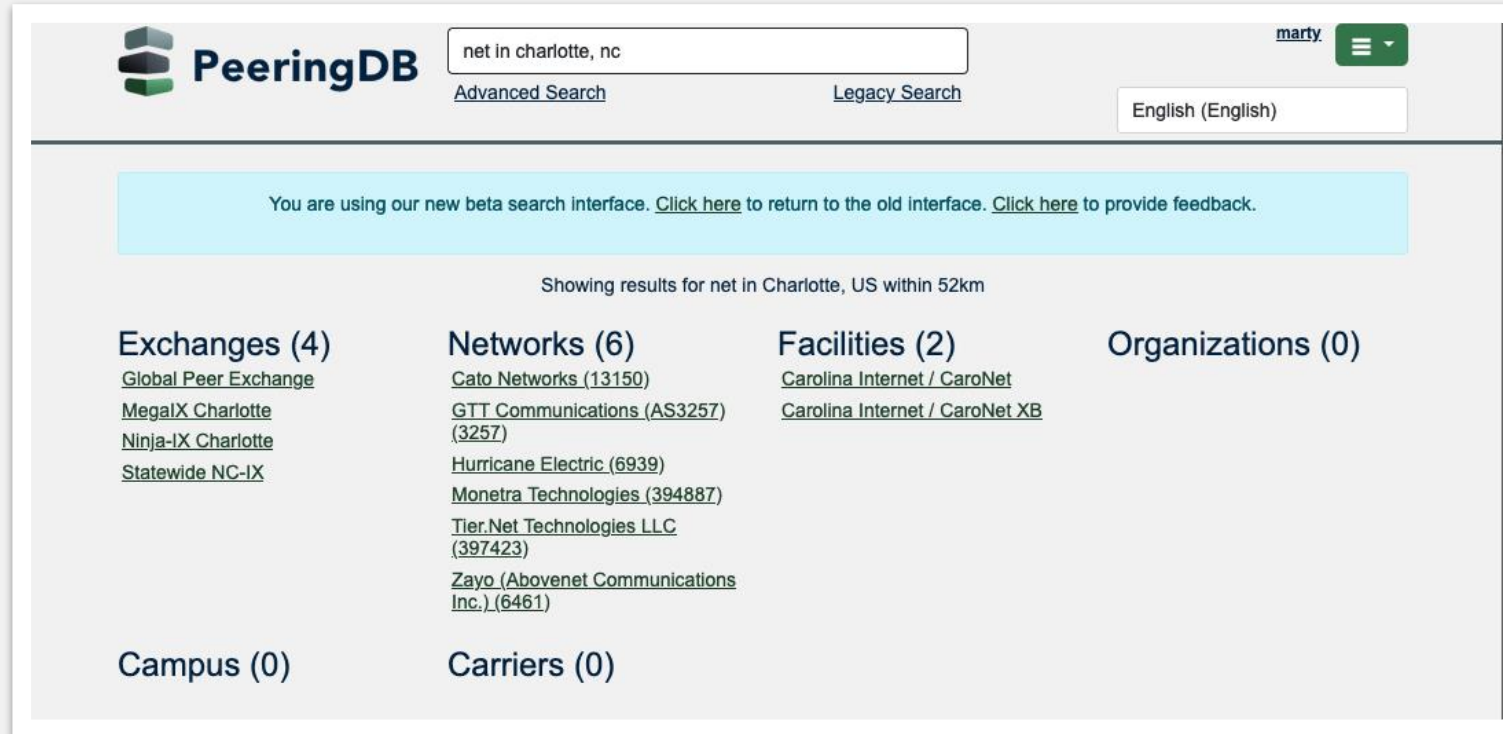




# Search (pending release)

## Search is getting better

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



The screenshot displays 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)'. A light blue banner below the search bar states: 'You are using our new beta search interface. [Click here](#) to return to the old interface. [Click here](#) to provide feedback.'

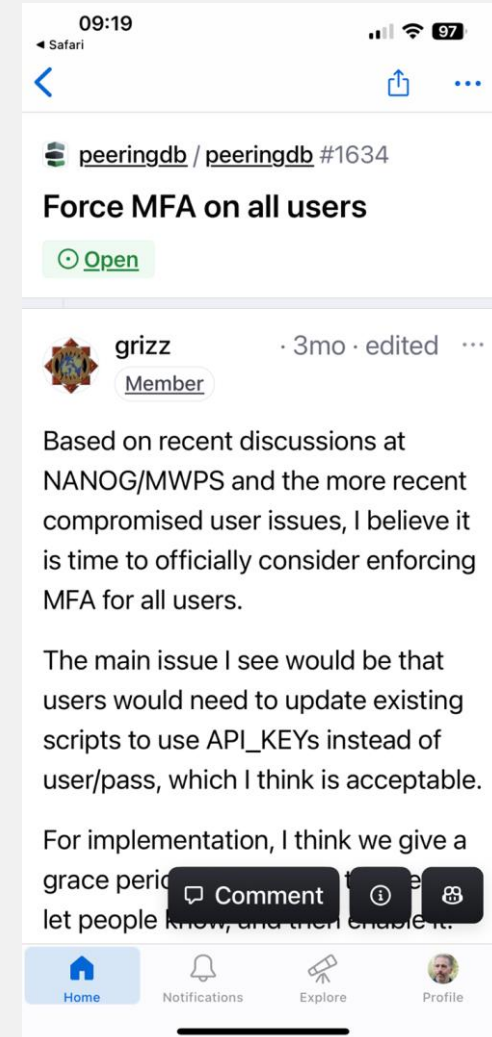
Below the banner, the text 'Showing results for net in Charlotte, US within 52km' is centered. The results are organized into four columns:

- Exchanges (4)**
  - [Global Peer Exchange](#)
  - [MegalX Charlotte](#)
  - [Ninja-IX Charlotte](#)
  - [Statewide NC-IX](#)
- Networks (6)**
  - [Cato Networks \(13150\)](#)
  - [GTT Communications \(AS3257\)](#)
  - [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)**



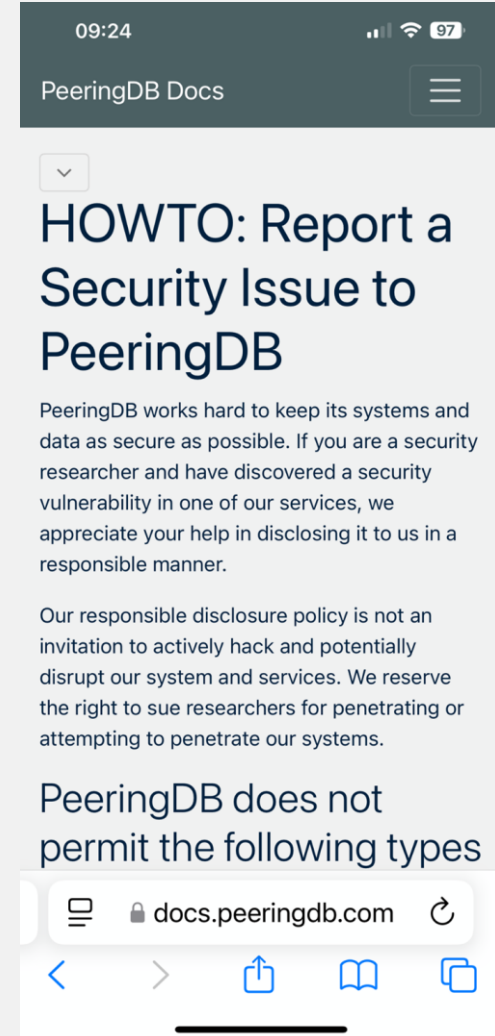
# MFA to become mandatory

- Passkeys to be deployed in October
- Authenticator App/Backup Codes
- API to drop simple authentication (API Key to be introduced)
- 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 early 2025



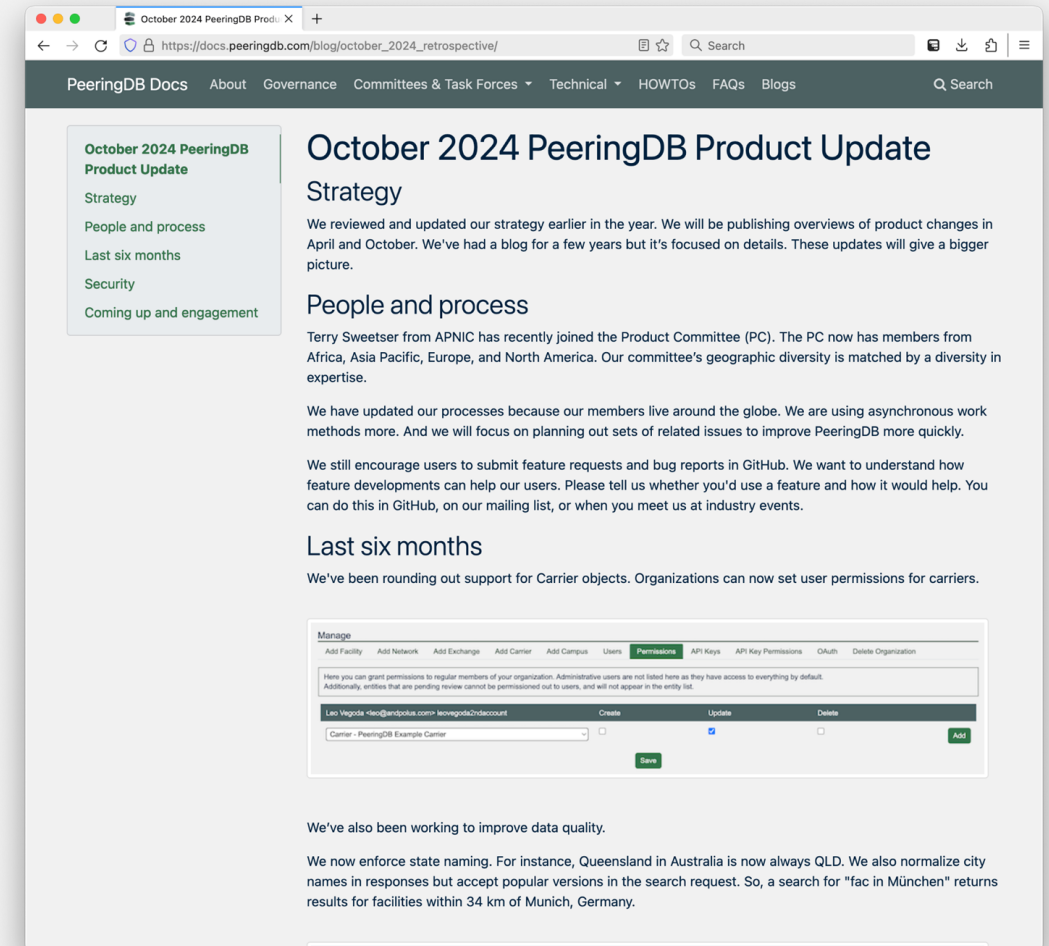
# Security reports

- 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
- Please report identified security issues



# Retrospective blog post

- We publish blog posts at [blog.peeringdb.com](https://blog.peeringdb.com)
- We publish a retrospective each October and April



The screenshot shows a web browser displaying the PeeringDB website. The URL in the address bar is [https://docs.peeringdb.com/blog/october\\_2024\\_retrospective/](https://docs.peeringdb.com/blog/october_2024_retrospective/). The page features a dark navigation bar with links to 'PeeringDB Docs', 'About', 'Governance', 'Committees & Task Forces', 'Technical', 'HOWTOs', 'FAQs', and 'Blogs'. A sidebar on the left lists categories: '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'. It includes sections for 'People and process' and 'Last six months'. The 'Last six months' section contains a screenshot of the 'Manage' interface for user permissions, showing a table with columns for 'Create', 'Update', and 'Delete'.

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
Carrier - PeeringDB Example Carrier	<input type="checkbox"/>	<input checked="" 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.

# We Need Beta Testers

## Consider using the Beta environment as default

- Just over half a percent of users visit [beta.peeringdb.com](https://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](https://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](mailto:pc@peeringdb.com) with any questions

# Thank you to our sponsors!

Diamond  
Sponsor



Microsoft

Platinum  
Sponsors



EQUINIX



Meta

YAHOO!

Gold  
Sponsors



Silver  
Sponsors

