



**PeeringDB**

# What's New and What's Next

Arnold Nipper

[arnold@peeringdb.com](mailto: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 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
  - 515 addresses subscribed to the Governance mailing list as of September 16, 2025
  - Each year half of the board is up for election
  - 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



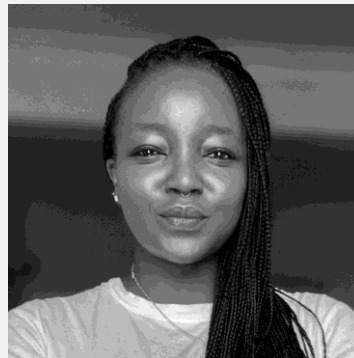
Alexandre Corso – Director  
(Term Expires 2027)



Aaron Hughes – President  
(Term Expires 2026)



Livio Morina – Vice President  
(Term Expires 2027)



Isabel Odida – Director  
(Term Expires 2027)



Job Snijders – Director  
(Term Expires 2026)

# New 2024-2025 Strategic Plan

- The 2024-2025 strategic direction and organizational objectives were published in January
  - Maintaining services
  - Developing new features
  - Engaging with the community
  - Ensuring the long-term stability of the organization
- Full version is here: [https://docs.peeringdb.com/gov/misc/2025-01-23-PeeringDB\\_Strategic\\_Plan\\_2024-2025.pdf](https://docs.peeringdb.com/gov/misc/2025-01-23-PeeringDB_Strategic_Plan_2024-2025.pdf)
- Board also approved a 50% increase in hours available for combined development and operations

# Committees

Admin Committee	Operations Committee	Outreach Committee	Product Committee
<ul style="list-style-type: none"><li>• Manage administration of user accounts and PeeringDB records</li><li>• Answer support tickets</li><li>• Cleansing and completion of PeeringDB records</li></ul> <p>Leads: Chriztoffer Hansen (Chair) and Peter Helmenstine (Vice Chair) Contact: <a href="mailto:admincom@lists.peeringdb.com">admincom@lists.peeringdb.com</a></p>	<ul style="list-style-type: none"><li>• Manage PeeringDB infrastructure</li></ul> <p>Leads: Job Snijders (Chair) and Aaron Hughes (Vice Chair) Contact: <a href="mailto:pdb-ops@lists.peeringdb.com">pdb-ops@lists.peeringdb.com</a></p>	<ul style="list-style-type: none"><li>• Manage marketing and social media</li><li>• Develop and maintain presentations, workshops and webinars</li><li>• Coordinate presentations and attendance at events</li></ul> <p>Leads: Ben Ryall (Chair) Contact: <a href="mailto:outreachcom@lists.peeringdb.com">outreachcom@lists.peeringdb.com</a></p>	<ul style="list-style-type: none"><li>• Manage roadmap and development priorities</li><li>• Ask for input from the community on desired features</li><li>• Write SoWs to solicit bids to complete requested features</li></ul> <p>Leads: Jack Carrozzo (Chair) and Matt Griswold (Vice Chair) Product Manager: Leo Vegoda Contact: <a href="mailto:productcom@lists.peeringdb.com">productcom@lists.peeringdb.com</a></p>

# PeeringDB is Open Source Software!

- Open source release announcement on 2018-11-10
  - Released under the 2-Clause BSD License:  
<https://opensource.org/licenses/BSD-2-Clause>
- Beneficial to the peering and interconnection community by promoting innovation
  - Allows volunteers to contribute
  - Makes it easier for third parties to bid on new features specified by the Product Committee
  - A process for accepting contributions will be announced
- Source code is available on GitHub:  
<https://github.com/peeringdb/peeringdb>

# We (always) 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



# 2024 Year in Review

	2023	2024	Difference	% Increase
Campuses	-	556	n/a	n/a
Carriers	-	8,164	n/a	n/a
Exchanges	1,152	1,239	87	7.6
Facilities	5,282	5,633	351	6.7
Networks	29,148	31,597	2,449	8.4
Organizations	27,714	30,008	2,834	10.2
Users	41,975	46,657	4,682	11.2

# PeeringDB in RO and Neighbouring Countries

CC	IXP/OP	ASN	LASN	Colo/OP	ASN	LASN	TASN	TLASN	PDB	RIR	Routed
BG	7/7	215	89	30/15	204	73	312	106	153	732	659
HU	1/1	100	48	6/6	93	48	128	56	81	302	243
MD	2/2	23	19	5/4	12	7	26	19	34	208	147
RO	9/9	149	86	44/34	149	76	208	105	167	1094	929
RS	2/2	39	13	10/10	25	8	54	15	27	191	158
UA	26/21	419	282	55/43	232	185	453	293	465	2013	1598

CC: Country Code

OP: Operator

LASN: Local ASN

TASN: Total ASN (IXP+Colo)

PDB: PeeringDB

Routed: in DFZ

IXP: Internet Exchange

ASN: Autonomous System

Colo: Colocation

TLASN: Total Local ASN

RIR: Regional Internet Registry

# 2024 New Feature Highlights

- Users tell us that search and data quality are important to them, and this was a big development area in 2024
- Networks whose ASN has been reclaimed by an RIR or NIR are automatically removed now
- v2 search
  - Introduced new v2 search functionality early last year with several enhancements over many releases
  - Key features
    - Use natural language queries in combination with the name in a geographic region
    - Search for a network prefixed with “AS”, partial matches show all relevant networks
    - Search for exchanges based on the facilities they are in
    - Search for campuses in in a geographic region, also displays a list of facilities
  - HOWTO: v2 Search ([https://docs.peeringdb.com/howto/v2\\_search/](https://docs.peeringdb.com/howto/v2_search/))
  - Still work in progress

# 2024 New Feature Highlights

- peeringdb-py enhancements
  - Run queries locally on your infrastructure to avoid query limits and to get the best response time
  - Reduces PeeringDB load (= cost)
  - HOWTO: Install peeringdb-py (<https://docs.peeringdb.com/howto/peeringdb-py/>)
- Keyhole Markup Language (KML) export of geographic data
  - Very cool and very popular to import into GIS applications
  - Covered in many PeeringDB Updates presentations last year (<https://docs.peeringdb.com/presentations/>)
  - Better Search and Export ([https://docs.peeringdb.com/blog/better\\_search\\_and\\_export/](https://docs.peeringdb.com/blog/better_search_and_export/))
- VM deployments moved to containerized deployments
  - Reduced computing costs, adjusts compute resources dynamically and manages spending
  - Containerized Deployment (<https://docs.peeringdb.com/blog/containerize/>)

# 2024 New Feature Highlights

- New Carrier and Campus objects
  - Carrier: for provides offering L1 or L2 services in a Facility
    - Different from a Network which is for L3 services with an ASN
    - HOWTO: Get Started with PeeringDB as a Carrier Operator (<https://docs.peeringdb.com/howto/get-started-carrier/>)
  - Campus: two or more Facilities owned by the same organization with inter-Facility cross connects
    - HOWTO: Get Started with PeeringDB as a Facility or Campus Operator (<https://docs.peeringdb.com/howto/get-started-facility/>)
- Many other smaller enhancements, bug fixes, and security updates
  - Refer to the 2024 Release Notes for complete details ([https://docs.peeringdb.com/release\\_notes/release\\_notes\\_2024/](https://docs.peeringdb.com/release_notes/release_notes_2024/))

# Website

Better support for wide screens  
Better support for mobile users  
No radical change, no need to relearn  
Deployed new design to PeeringDB  
volunteers and iterating based on  
feedback

- 1-in-5 users will be opted in
- They can opt-out
- Version control is next to dark mode control in profile

The screenshot shows the PeeringDB website interface with several design annotations. At the top, the PeeringDB logo is on the left, and a search bar with the placeholder text 'Search here for an IX, network, facility, or campus' is in the center. To the right of the search bar are links for 'Resources', 'REGISTER', and 'LOGIN'. Below the search bar, there are links for 'Advanced Search' and 'Legacy Search'. A blue horizontal line spans the width of the search bar area, with the annotation '310.7px x 37.7px MAX' above it. Below the search bar, the text '1920 x 1080 - 100% screen size' is displayed. In the main content area, the heading 'Join. Search. Grow your network.' is centered, with a blue horizontal line below it and the annotation '548px MAX' to its right. On either side of this heading, there are double-headed blue arrows with the annotation '56.69px MAX padding'. Below the heading, there are two main content blocks. The left block is titled 'The Interconnection Database' and has a blue horizontal line above it with the annotation '453.5px x 377.9px MAX'. Below this title is a paragraph of text and a 'SPONSOR' button. The right block is titled 'Global System Statistics' and has a blue horizontal line above it with the annotation '453.5px x 377.9px MAX'. Below this title is a table of statistics and an 'EXPORT' button. The table has two rows of data. The first row contains: 1,106 Exchanges, 27,777 Networks, 5,138 Facilities, 31 Campuses, and 75 Carriers. The second row contains: 49,535 Connections to Exchanges, 44,593 Connections to Facilities, 6,073 Automated Networks, 48,179 Registered Users, and 25,893 Organizations. A blue horizontal line is below the second row of the table, with the annotation '37.7px MAX' to its right. A double-headed blue arrow is also present below the text of the 'The Interconnection Database' block.

PeeringDB

Search here for an IX, network, facility, or campus X

Resources REGISTER LOGIN

Advanced Search Legacy Search

1920 x 1080 - 100% screen size

56.69px MAX padding

Join. Search. Grow your network. 548px MAX

56.69px MAX padding

453.5px x 377.9px MAX

The Interconnection Database

PeeringDB is a freely available, user-maintained, database of networks and the go-to location for interconnection data. The database facilitates the global interconnection of networks at Internet Exchange Points (IXPs), data centers, and other interconnection facilities, and is the first stop in making interconnection decisions.

The database is a non-profit, community-driven initiative run and promoted by volunteers. It is a public tool for the growth and good of the Internet. Join the community and support the continued development of the Internet.

More >

SPONSOR

453.5px x 377.9px MAX

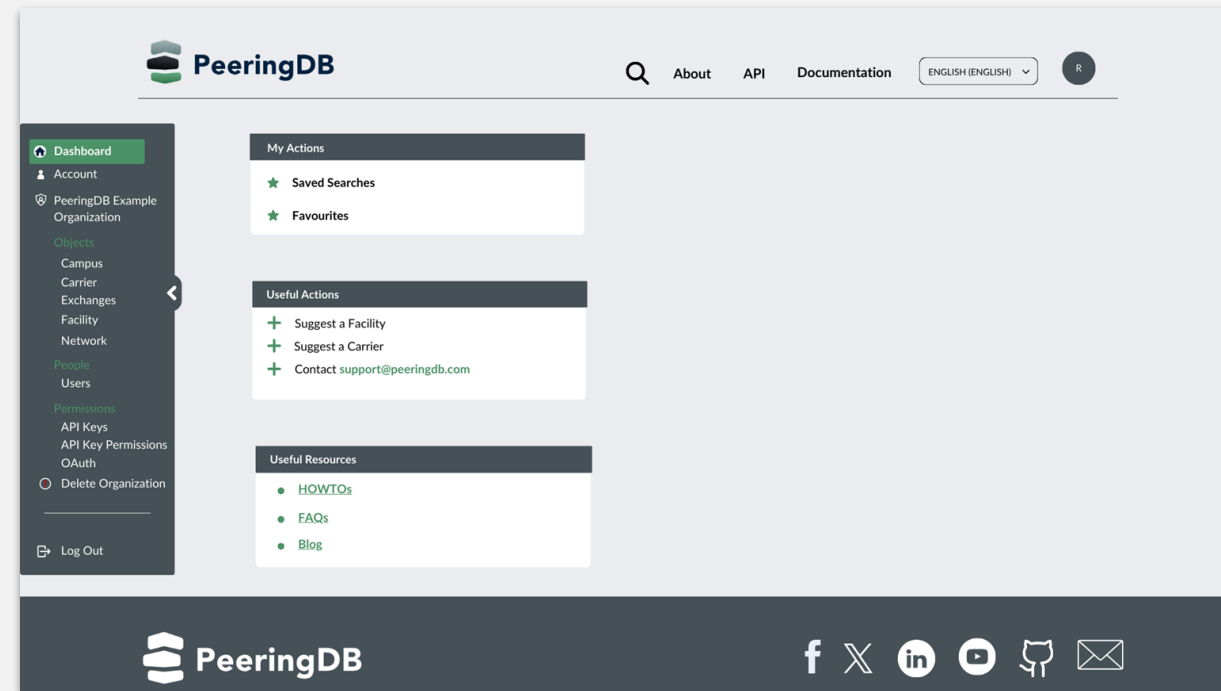
Global System Statistics EXPORT

1,106 Exchanges	27,777 Networks	5,138 Facilities	31 Campuses	75 Carriers
49,535 Connections to Exchanges	44,593 Connections to Facilities	6,073 Automated Networks	48,179 Registered Users	25,893 Organizations

37.7px MAX

# 2025 Roadmap: Saved Searches, Notifications

- We're discussing ([#1736](#)) adding a “planned” status with a date
- It would integrate with notifications
- You could share a planned operational date for any object type
- Others could be notified of plans they are interested in



# 2025 Roadmap: Search

- Refactor v2 search code with improved automated testing
  - Results should be completer and more relevant
- Web search → API query link
  - Help less technical users develop one liners that improve their efficiency
- Implement search filters, e.g. hide IXPs without an ixfac
  - Give users more control over what they see
  - Will apply to authenticated web and user API Key usage
  - Once developed, other filters can be added as needed
- Implement Advanced Search in v2
  - Another step towards removing legacy search

```
Last login: Fri Feb 7 09:38:44 on ttys000
→ ~ curl -H "Accept: application/json" -X GET https://www.peeringdb.com/api/net/578
{"data": [{"id": 578, "org_id": 791, "org": {"id": 791, "name": "LINX", "aka": "London Internet Exchange Ltd.", "name_long": "London Internet Exchange Ltd.", "website": "https://www.linx.net", "social_media": [{"service": "facebook", "identifier": "LondonInternetExchange"}, {"service": "x", "identifier": "linx_network"}, {"service": "linkedin", "identifier": "linx"}, {"service": "website", "identifier": "https://www.linx.net"}], "notes": "", "require_2fa": true, "net_set": [578, 9510, 10345, 20392, 20393, 26805, 33509, 36305, 36306], "fac_set": [2090], "ix_set": [18, 321, 583, 745, 777, 1016, 4231], "carrier_set": [], "campus_set": [], "address1": "WeWork, 2 Minster Court", "address2": "Mincing Lane", "city": "London", "country": "GB", "state": "City Of London", "zipcode": "EC3R 7B", "floor": "", "suite": "", "latitude": 51.510758, "longitude": -0.081093, "created": "2005-09-14T13:39:54Z", "updated": "2024-01-04T10:24:51Z", "status": "ok"}, {"name": "LINX Route Collectors", "aka": "", "name_long": "", "website": "http://www.linx.net/", "social_media": [{"service": "website", "identifier": "http://www.linx.net/"}], "asn": 5459, "looking_glass": "https://alice-collector.linx.net", "route_server": "", "irr_as_set": "AS-LINX", "info_type": "Route Collector", "info_types": ["Route Collector"], "info_prefixes4": 20, "info_prefixes6": 10, "info_traffic": "", "info_ratio": "Mostly Outbound", "info_scope": "Regional", "info_unicast": true, "info_multicast": true, "info_ipv6": true, "info_never_vi
```



# 2025 Roadmap: Analysis

- Adding a web tool to help users compare interconnection opportunities at facilities
- Add ASNs, add locations, view and export results

LOGO

	# ---- Name	# ---- Name	# ---- Name	# ---- Name
Network Type				
Traffic Level				
Exchanges				
Unique IXPs				
Unique ASNs	#30	#4	#25	#100
Unique Facilities	#4	#3	#2	#5
Common IXPs			#15	
Common ASNs			#28	
Common Facilities			#2	

# 2025 Roadmap: Operations and Bug Fixes

- We're working on making both the API and website more responsive
  - You can sync using peeringdb-py to keep queries local and integrate PeeringDB data with other sources
- We'll be developing
  - Additional support tools
  - Minor features
  - Bug fixes

# News in brief

- MFA mandate went smoothly
- Completing the move from VMs to containers to allow more elegant scaling
- New [HOWTO](#) on contact data
- Setting up `peeringdb-py` is now just one command, ideal for a laptop
- We now normalize data for:
  - Country name
  - Province/state name
  - City name
  - Street address








# 2025: Survey!

- We have launched the 2025 User Survey
- Please spend 2 minutes to help us improve PeeringDB
- [https://docs.peeringdb.com/blog/peeringdb\\_2025\\_user\\_survey](https://docs.peeringdb.com/blog/peeringdb_2025_user_survey)

The screenshot shows a mobile application interface for the PeeringDB 2025 User Survey. At the top, the status bar displays the time 13:38, signal strength, Wi-Fi, and battery at 95%. Below the status bar is a navigation bar with a back arrow and the text 'Slack'. The main content area has a white background with a light blue border. The title 'PeeringDB 2025 User Survey' is displayed in a large, bold, black font. Below the title, there is a link to 'Sign in to Google to save your progress.' with a 'Learn more' link underneath. A prominent blue bar contains the text 'User Self Categorization'. The first question is 'How often do you use PeeringDB?' with four radio button options: 'Every day', 'Every week' (which is selected), 'Once or twice a month', and 'Occasionally or never'. A 'Clear selection' link is located to the right of the options. The second question is 'How do you mostly use PeeringDB?' with three radio button options: 'Anonymous web user', 'Authenticated web user', and 'API queries' (which is selected). A question mark icon is next to the 'API queries' option. At the bottom of the screen, the URL 'docs.google.com' is visible in a small font.

# Information and Resources

- Announce list: <http://lists.peeringdb.com/cgi-bin/mailman/listinfo/pdb-announce>
- Governance list: <http://lists.peeringdb.com/cgi-bin/mailman/listinfo/pdb-gov>
- Technical list: <http://lists.peeringdb.com/cgi-bin/mailman/listinfo/pdb-tech>
- User Discuss list: <http://lists.peeringdb.com/cgi-bin/mailman/listinfo/user-discuss>
- Docs, presentations, guides, tools: <http://docs.peeringdb.com/>
- Board and Officers: [stewards@lists.peeringdb.com](mailto:stewards@lists.peeringdb.com)
- Admins: [support@peeringdb.com](mailto:support@peeringdb.com)
- Presentation requests: [outreachcom@lists.peeringdb.com](mailto:outreachcom@lists.peeringdb.com)
- Uptime status: <http://status.peeringdb.com/>
-  Bugs and feature requests: <https://github.com/peeringdb/peeringdb/>
- Social media:
  -  <https://www.facebook.com/peeringdb/>
  -  <https://www.linkedin.com/company/peeringdb>
  -  [@PeeringDB](https://twitter.com/PeeringDB)
  -  [https://www.youtube.com/channel/UCOrYWUg-dbL9UTFV\\_Lry6Wg](https://www.youtube.com/channel/UCOrYWUg-dbL9UTFV_Lry6Wg)

# Become a PeeringDB Sponsor!

- Diamond Sponsorship - \$25,000 / year



- Limited to ten 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

## Microsoft Diamond Sponsor

Organization	<a href="#">Microsoft Corporation</a>
Also Known As	8068 8069
Company Website	
Primary ASN	8075

## APNIC Foundation Platinum Sponsor

Also Known As	
Long Name	
Website	<a href="https://apnic.foundation/">https://apnic.foundation/</a>
Address 1	
Address 2	



Proud Sponsor of

**PeeringDB**  Gold

Contact [sponsorship@peeringdb.com](mailto:sponsorship@peeringdb.com) for sponsorship info!

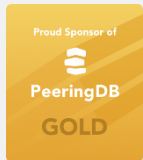
# Thank you to our sponsors!



Microsoft



Meta



CDN77



CORESITE  
An American Tower Company



DIGITAL REALTY



edgeuno



Internet Society



Internet Association of Australia



TELEHOUSE



NTT DATA



H5 DATA CENTERS



NEWBY VENTURES



swissix  
SWISS INTERNET EXCHANGE



QRATORLABS



zenlayer