What's New and What's Next

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Agenda

- Organization updates and information on the 2025 elections
- 2024 new feature highlights
- 2025 development focus and roadmap

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
  - 503 addresses subscribed to the Governance mailing list (as of April 8, 2025)
  - 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	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: Chriztoffer Hansen (Chair) and Peter Helmenstine (Vice 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) Contact: outreachcom@ lists.peeringdb.com	Leads: Jack Carrozzo (Chair) and Matt Griswold (Vice Chair) Product Manager: Leo Vegoda Contact: productcom@ lists.peeringdb.com

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
- Board also approved a *50% increase is hours* available for combined development and operations
  - Several large projects planned on the 2025 roadmap

2025 Board of Directors elections are now!

- 5 seats on the Board of Directors

  - 3 of which are up for election this year (Makhija, Malayter, Morina)
  - A Director term is 2 years

- Nomination of candidates closed 14 April 23:59:59 UTC

- Voting starts today and ends 29 April 23:59 UTC

- HOWTO: Become a PeeringDB Member and Vote:
  https://docs.peeringdb.com/howto/member_vote/

- 2025 Election Guide:
  https://docs.peeringdb.com/gov/misc/2025-04-14_election.html

- Please vote!

2024 Year in Review

	2023	2024	Difference	% Increase
Campuses	N/A	556	New	New
Carriers	N/A	8,164	New	New
Exchanges	1,152	1,239	87	8
Facilities	5,282	5,633	351	7
Networks	29,148	31,597	2,449	8
Organizations	27,714	30,008	2,834	10
Users	41,975	46,657	4,682	11

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/)

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/)

2024 New Feature Highlights

- New Campus object: two or more Facilities owned by the same organization with inter-Facility cross connects
  - 556 object added in 2024
  - HOWTO: Get Started with PeeringDB as a Facility or Campus Operator (https://docs.peeringdb.com/howto/get-started-facility/)
- New Carrier object: for provides offering L1 or L2 services in a Facility
  - Different from a Network which is for L3 services with an ASN
  - 8164 objects added in 2024
  - HOWTO: Get Started with PeeringDB as a Carrier Operator (https://docs.peeringdb.com/howto/get-started-carrier/)

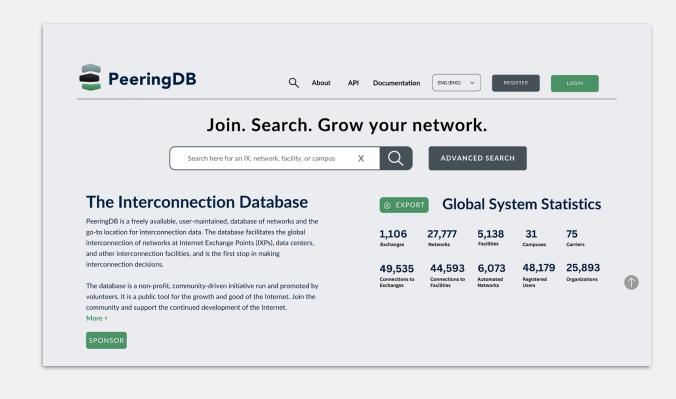# 2024 New Feature Highlights

- VM deployments moved to containerized deployments
  - Reduced computing costs, adjusts compute resources dynamically and manages spending
  - Containerized Deployment (https://docs.peeringdb.com/blog/containerize/)
- 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/)
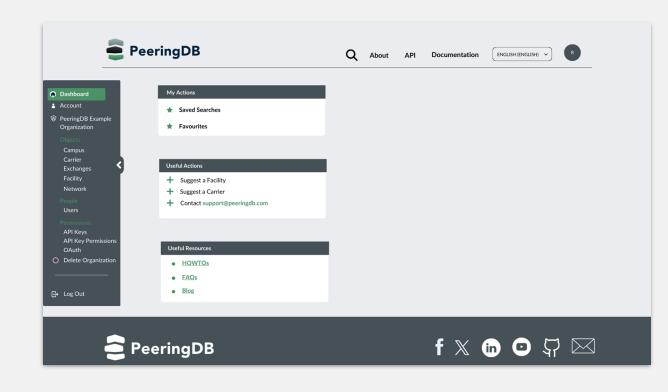
2025 Roadmap: Web UI

- We adjusted our web UI rollout process based on feedback

- We previewed the new UI on separate site but got no feedback, so are doing a phased rollout:
  - PeeringDB volunteers
  - 20% of users
  - Everyone

- Users will get an "opt-out" switch in their profile and be encouraged to share feedback on what to adjust
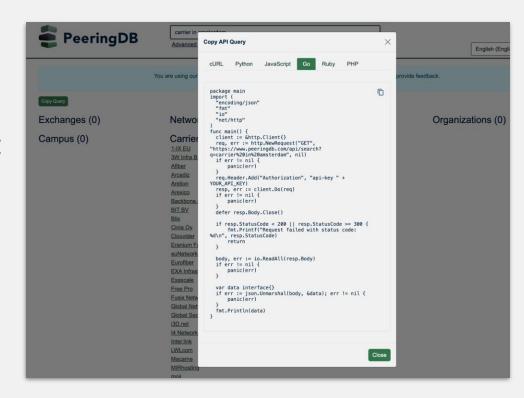
2025 Roadmap: Saved Searches, Notifications

- 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

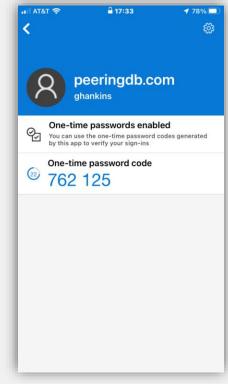- Others could be notified of plans they are interested in

2025 Roadmap: Search

- Refactor v2 search code with improved automated testing
  - Results should be complete 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
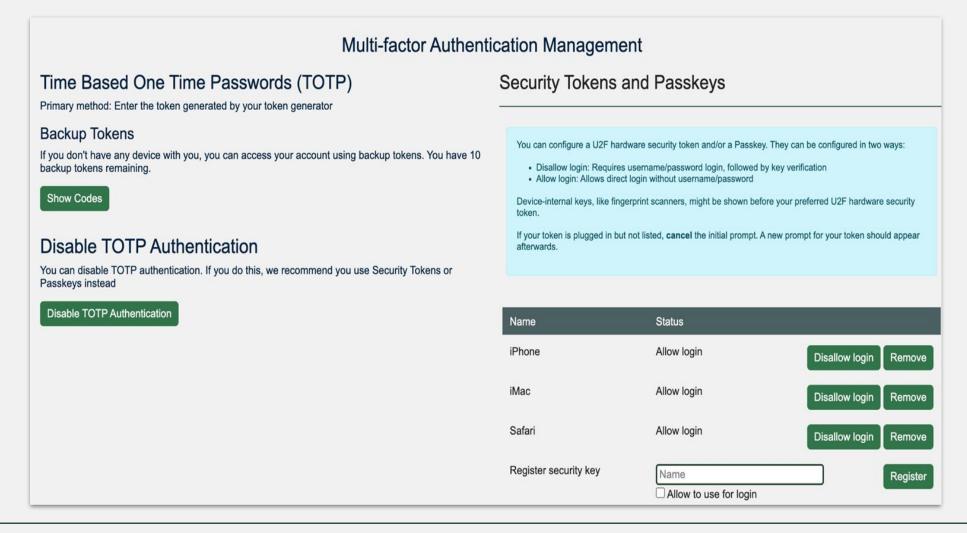 - Another step towards removing legacy search

2025 Roadmap: MFA

- Multi-factor authentication (MFA) has been available for years and will be mandatory from 1 July 2025 (https://docs.peeringdb.com/blog/mfa_mandatory/)

- Two-factor authentication (2FA)
  - Using time-based one-time password (TOTP) - no SMS, no email
  - Provision for backup codes and recovery tokens

- Fast IDentity Online (FIDO) Universal 2nd Factor (U2F)
  - 2FA support
  - 2FA without relying on a TOTP app

- HOWTO: Authenticate to PeeringDB (https://docs.peeringdb.com/howto/authenticate/)

2025 Roadmap: Simplified MFA Management

2025 Roadmap: Interconnection Analysis

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

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

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Questions?