



PeeringDB

What's new on PeeringDB?

Livio Morina – Vice President of PeeringDB

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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 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 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

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
 - 344 addresses subscribed to the Governance mailing list (as of April 16, 2019)
 - Governance list is at <http://lists.peeringdb.com/cgi-bin/mailman/listinfo/pdb-gov>
 - More information available at <http://gov.peeringdb.com/>

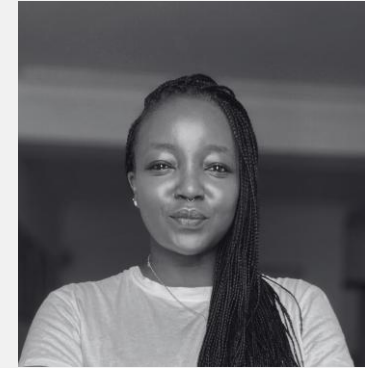
Board of Directors and Officers



Shawna Bong – Secretary and
Treasurer (Officer)



Aaron Hughes – President
(Term Expires 2026)



Isabel Odida – Director
(Term Expires 2027)



Alex Corso – Director
(Term Expires 2027)



Livio Morina – Vice President
(Term Expires 2027)



Job Snijders – Director
(Term Expires 2026)

Committees

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

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

2024 New Feature Highlights

- New Carrier and Campus objects
 - Carrier: for providers 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/)

2024 New Feature Highlights

- We automatically remove ASNs after they are reclaimed by an RIR or NIR
- peeringdb-py ([HOWTO](#)) enhancements
 - Run queries locally on your infrastructure to avoid query limits and to get the best response time
 - Reduces PeeringDB load (= cost)
- We have [containerized](#)
- Keyhole Markup Language (KML) export of geographic data
 - Import into GIS applications
 - Export relevant searches as a .KMZ file



[Advanced Search](#)
[Legacy Search](#)

airbeam



English (English)

The Interconnection Database

Join. Search. Grow your network.

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.

Learn more [about](#) PeeringDB or [register](#).

Most Recent Updates

Exchanges

[AKIX](#)

21 minutes ago

[DYC-IX](#)

22 hours ago

[GPMIX](#)

1 days ago

[American IX \(US Operations\)](#)

1 days ago

[American IX \(United States\)](#)

1 days ago

Networks

[Teleservice Bredband Skåne](#)
[AB \(34244\)](#)

1 minutes ago

[VladyIsav-Naumets \(214196\)](#)

2 minutes ago

[OCTAPLUS \(205771\)](#)

1 hours ago

[NETOMAT \(213370\)](#)

1 hours ago

[RuiNetwork \(211575\)](#)

1 hours ago

Facilities

[LSVL-CTC1](#)

1 days ago

[Lightboard New England](#)

1 days ago

[State Tower - Syracuse, NY](#)

1 days ago

[Technology Park - S.](#)
[Burlington, VT](#)

1 days ago

[1 Federal - Springfield](#)

1 days ago

Carriers

[Lumanex](#)

15 days ago

[FIORD](#)

22 days ago

[moji](#)

26 days ago

[Seaborn](#)

30 days ago

[Retelit](#)

36 days ago

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Contact Us

support@peeringdb.com

Global System Statistics

1221 Exchanges

32189 Networks

5704 Facilities

62 Campuses

230 Carriers

58421 Connections to Exchanges

54631 Connections to Facilities

7565 Automated Networks

48055 Registered Users


30820 Organizations



Take a decision

[↓ JSON](#)[↓ CSV](#)[↓ KMZ](#)

1

Name  Management	CLLI NPA-NXX	City Country	State Postal Code	Networks
Namex Datacenter Rome Namex - Rome Internet eXchange Point	- -	Roma IT	- 00185	144
Retelit S.p.A. Roma Perrier Retelit S.p.A.	- -	Roma IT	Roma 00157	2
Retelit S.p.A. Roma Cornelia Retelit S.p.A.	- -	Roma IT	Lazio 00166	2
Cornelia (Rome) Unidata S.p.A.	- -	Roma IT	IT 00100	3
Digital Realty (ROM0) Digital Realty	- -	Roma IT	- 00155	5
Cloud Europe Cloud Europe s.r.l.	ROMEITLZ -	Roma IT	Italia 00131	5
Aruba IT4 - Rome Aruba S.p.A	- -	Roma IT	- 00131	4
Unidata IDC-GALERIA Unidata S.p.A.	- -	Rome IT	RM 00148	6
Fiber 23 Rome Fiber 23 S.R.L	- -	Rome IT	Rome 00126	3
DC Noovle ROMA Noovle S.p.A.	- -	ROMA IT	ITALY 00125	2
Lumanex DC1 Lumanex	- -	Pomezia IT	Lazio 00071	12

2024 New Feature Highlights

- Our blog describes other improvements and changes
- Or follow us on social media!

 <https://www.facebook.com/peeringdb/>

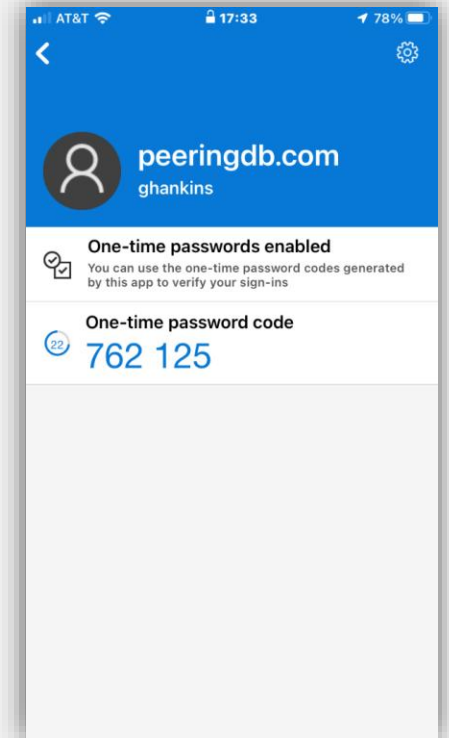
 <https://www.linkedin.com/company/peeringdb>

 [@PeeringDB](https://twitter.com/PeeringDB)



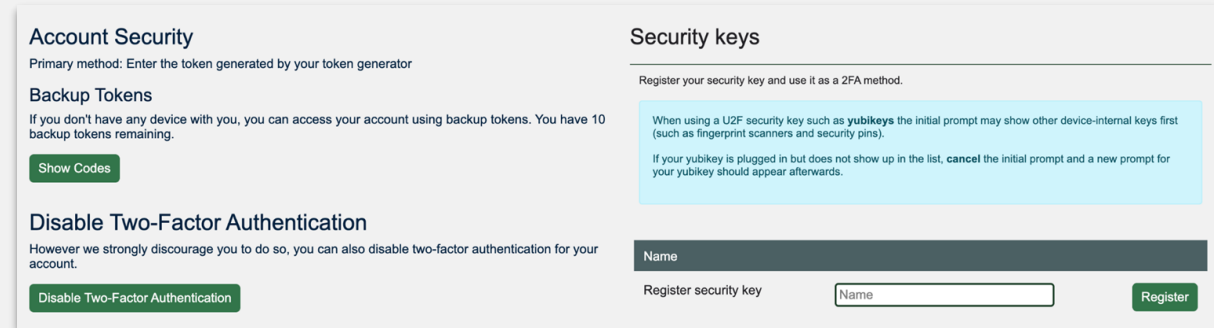
2025 Roadmap: MFA

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



2025 Roadmap: MFA

- We are keeping anonymous use but will require MFA for all authenticated users
 - We are integrating MFA management in the user profile so managing options is easier
 - API users will need to create an API Key, no more username and password authentication
- More blog posts and announcements will be made on social media in advance
- Direct communications to users who haven't set up MFA



The screenshot shows a user interface for account security settings. On the left, under 'Account Security', there are sections for 'Backup Tokens' (with a 'Show Codes' button) and 'Disable Two-Factor Authentication' (with a 'Disable Two-Factor Authentication' button). On the right, under 'Security keys', there is a 'Register security key' section with a 'Name' input field and a 'Register' button. A light blue informational box is present between the two sections, providing instructions on using U2F security keys like YubiKeys.

Account Security
Primary method: Enter the token generated by your token generator

Backup Tokens
If you don't have any device with you, you can access your account using backup tokens. You have 10 backup tokens remaining.
[Show Codes](#)

Disable Two-Factor Authentication
However we strongly discourage you to do so, you can also disable two-factor authentication for your account.
[Disable Two-Factor Authentication](#)

Security keys
Register your security key and use it as a 2FA method.

When using a U2F security key such as **yubikeys** the initial prompt may show other device-internal keys first (such as fingerprint scanners and security pins).

If your yubikey is plugged in but does not show up in the list, **cancel** the initial prompt and a new prompt for your yubikey should appear afterwards.

Name

Register security key [Register](#)

July 1st !

2025 Roadmap: Analysis

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

LOGO

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

← → ↻

github.com/peeringdb

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peeringdb

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👤 People 5



PeeringDB

The Interconnection Database

👤 76 followers 🔗 http://www.peeringdb.com 📧 support@peeringdb.com

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📁 peeringdb Public

Server code for https://www.peeringdb.com/

● Python ☆ 396 🍴 116

📁 peeringdb-py Public

PeeringDB python client


● Python ☆ 92 🍴 23

📁 django-peeringdb Public

Django PeeringDB models

● Python ☆ 21 🍴 15

People



Top languages

● Python ● HTML ● Shell ● JavaScript

Report abuse

Italy from a PeeringDB POV

Category - Month	May 2025	November 2023	May 2023
IXP/Operators	20/14	18/14	17/13
Facilities/Operators	102/73	96/71	96/71
Networks at IXP	584	522	516
Italian Networks at IXP	412	373	366
Networks in Facilities	520	451	439
Italian Networks in Facilities	370	321	310
Total Networks (IXP and Facilities)	693	615	602
Total Italian Networks (IXP and Facilities)	450	410	397
Italian Networks in PeeringDB	587	521	513
Italian Networks in any RIR	1293	1295	1281
Italian Routed Networks	1098	x	x
PeeringDB/RIR	45.4%	40.2%	40.0%

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