



PeeringDB

PeeringDB Basics @ RONO

Introduction to PeeringDB & Building an Effective Network Profile

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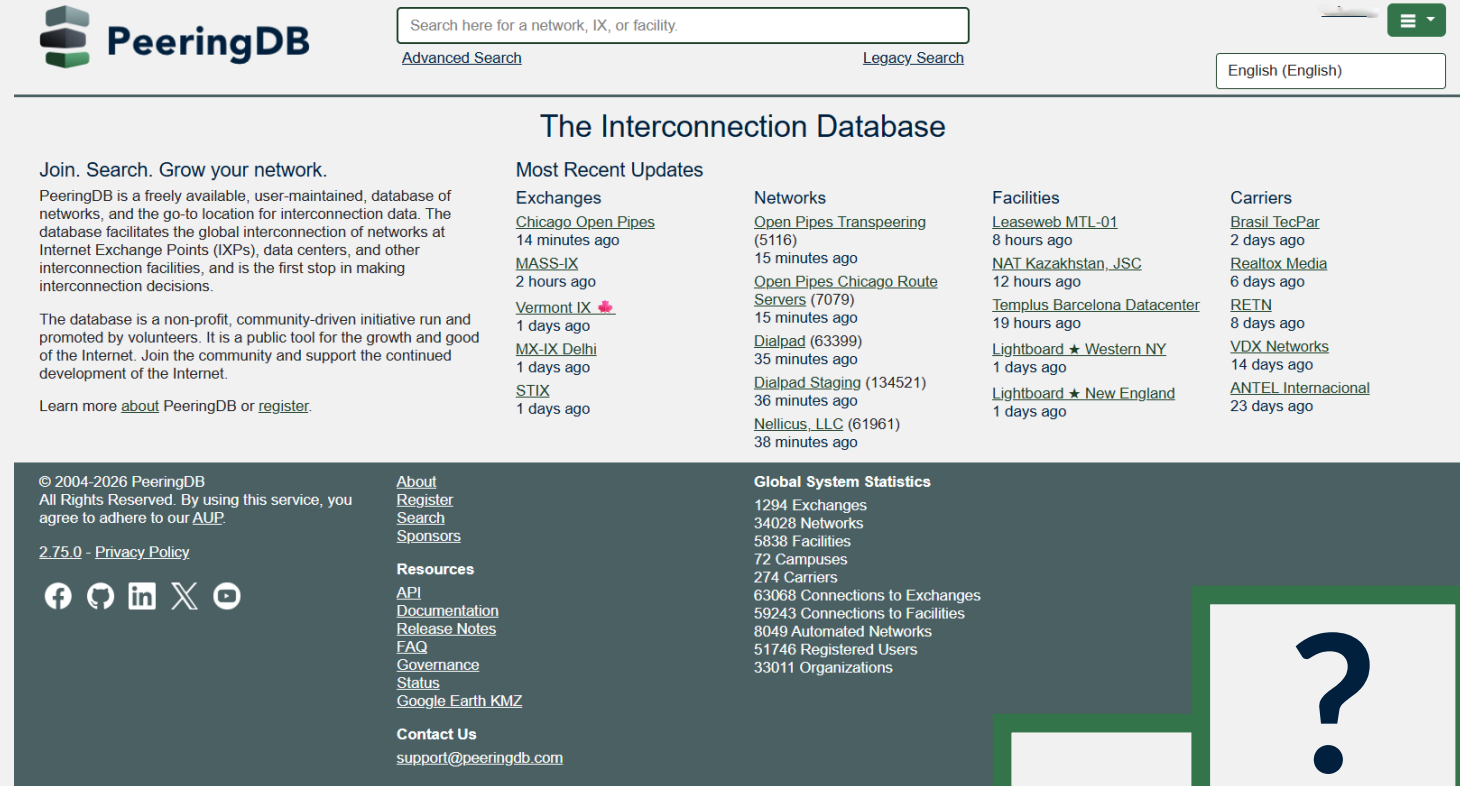
Committees

PeeringDB committees are run entirely by dedicated  volunteers who are passionate about strengthening global interconnection and supporting the community.

What is PeeringDB?

Nonprofit, member-based organization

- **Mission:** Facilitates exchange of user-maintained interconnection information for peering coordinators, IXPs, facilities, and network operators
- **Free to use** — open to everyone in the interconnection community
- PeeringDB record **makes your network discoverable** and helps establish peering relationships



The screenshot shows the PeeringDB website. At the top is the PeeringDB logo and a search bar with the placeholder text "Search here for a network, IX, or facility." Below the search bar are links for "Advanced Search" and "Legacy Search". On the right, there is a language selector set to "English (English)".

The main heading is "The Interconnection Database". Below this, there are several sections:

- Join. Search. Grow your network.** A paragraph describing PeeringDB as a freely available, user-maintained database of networks and interconnection data. It mentions that the database facilitates the global interconnection of networks at Internet Exchange Points (IXPs), data centers, and other interconnection facilities. It is the first step in making interconnection decisions. A note states that 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. Links for "Learn more about PeeringDB" and "register" are provided.
- Most Recent Updates**
 - Exchanges**
 - Chicago Open Pipes (5116) 14 minutes ago
 - MASS-IX 2 hours ago
 - Vermont IX 1 days ago
 - MX-IX Delhi 1 days ago
 - STIX 1 days ago
 - Networks**
 - Open Pipes Transpeering (5116) 15 minutes ago
 - Open Pipes Chicago Route Servers (7079) 15 minutes ago
 - Dialpad (63399) 35 minutes ago
 - Dialpad Staging (134521) 36 minutes ago
 - Nellicus, LLC (61961) 38 minutes ago
 - Facilities**
 - Leaseweb MTL-01 8 hours ago
 - NAT Kazakhstan, JSC 12 hours ago
 - Templus Barcelona Datacenter 19 hours ago
 - Lightboard Western NY 1 days ago
 - Lightboard New England 1 days ago
 - Carriers**
 - Brasil TecPar 2 days ago
 - Realtax Media 6 days ago
 - RETN 8 days ago
 - VDX Networks 14 days ago
 - ANTEL Internacional 23 days ago
- Global System Statistics**
 - 1294 Exchanges
 - 34028 Networks
 - 5838 Facilities
 - 72 Campuses
 - 274 Carriers
 - 63068 Connections to Exchanges
 - 59243 Connections to Facilities
 - 8049 Automated Networks
 - 51746 Registered Users
 - 33011 Organizations

At the bottom of the page, there is a footer with copyright information: "© 2004-2026 PeeringDB. All Rights Reserved. By using this service, you agree to adhere to our AUP." and a link to the "Privacy Policy". There are also social media icons for Facebook, GitHub, LinkedIn, X, and YouTube. A "Contact Us" link with the email "support@peeringdb.com" is also present.

Open source release announcement on 2018-11-10

Released under the 2-Clause BSD License:
<https://opensource.org/licenses/BSD-2-Clause>



What is PeeringDB?

- Easy registration:
<https://www.peeringdb.com/register>
- Basic verification required — must have current Whois information
- Register with an email tied to your ASN/company
- **Keep your record updated** to ensure accuracy and trustworthiness
- Community-driven — data maintained by users, for users

Manage

[Add Facility](#) [Add Network](#) [Add Exchange](#) [Users](#) [Permissions](#) [Delete Organization](#)

Name	Excellent Example Organization
Website	https://ix.example.net
City	Exampleville
Country	United States of America
Continental Region	North America
Media Type	Ethernet
Unicast IPv4	Yes
Multicast	No
IPv6	Yes
Traffic Stats Website	https://stats.ix.example.net
Technical E-mail	tech@ix.example.net
Technical Phone	555-555-1234
Policy E-mail	policy@ix.example.net
Policy Phone	555-555-1234
Prefix	2001:db8::/64

Only use this if you own the exchange

Add a new Exchange to your Organization. Note that the newly created Exchange will need to be approved by PeeringDB staff before it will appear in the search results or the API listings

To be listed as an Internet Exchange in PeeringDB we would expect that you meet the following criteria:

An Internet Exchange Point (IXP) is a network facility that enables the interconnection of more than two independent Autonomous Systems, primarily for the purpose of facilitating the exchange of Internet traffic.

An IXP provides interconnection only for Autonomous Systems. An IXP does not require the Internet traffic passing between any pair of participating Autonomous Systems to pass through any third Autonomous System, nor does it alter or otherwise interfere with such traffic

[Submit Exchange](#)

Open source release announcement on 2018-11-10

Released under the 2-Clause BSD License:
<https://opensource.org/licenses/BSD-2-Clause>



How PeeringDB is Used Today

ISP Expansion

An ISP entering a new market can:

- Search IXPs in a region
- Identify networks present
- Estimate interconnection opportunities

Capacity Planning

Operators review:

- Existing exchange participation
- Facility presence
- Regional connectivity opportunities

Peering Requests

Networks use PeeringDB to find:

- Peering contacts
- Technical contacts
- NOC contacts

IXP Promotion

Internet Exchange Points use PeeringDB to:

- Attract members
- Showcase participants
- Increase visibility

Data Centre Visibility >

Show which networks are present
Highlight interconnection ecosystems
Attract customers

How PeeringDB is Used Today

NSP (Network Service Provider)

Typical examples:

- ISPs
- Telecom operators
- National backbone providers

Examples:

NETPROTECT

FIBERX

TFIBER

ORANGE, VODAFONE, DIGI...

Content Provider

Organizations delivering content to users.

Examples:

Netflix

Google

Meta

Amazon Prime Video

How PeeringDB is Used Today

Enterprise

Large organizations operating networks primarily for business purposes.

Examples:

Banks
Universities
Government networks

Educational / Research

Research and academic networks.

Examples:

RoEduNet
National Research and Education Networks (NRENs)

How PeeringDB is Used Today

Internet Exchange / Route Server

Provides routing services at Internet Exchanges.

Examples:

InterLAN.IX
RoNIX

Non-Profit

Organizations operating networks for community benefit.

Examples:

RIPE NCC
WIKIMEDIA
ISOC

Creating a PeeringDB Profile

Step 1: Create an Account

Register using a business email
Verify account

Step 2: Associate with an Organization

Existing organization
New organization

Step 3: Create or Claim a Network

Add:

- ASN
- Organization details
- Website
- NOC information

Manage

[Add Facility](#)[Add Network](#)[Add Exchange](#)[Users](#)[Permissions](#)[Delete Organization](#)

Name	Excellent Example Organization
Website	https://ix.example.net
City	Exampleville
Country	United States of America
Continental Region	North America
Media Type	Ethernet
Unicast IPv4	Yes
Multicast	No
IPv6	Yes
Traffic Stats Website	https://stats.ix.example.net
Technical E-mail	tech@ix.example.net
Technical Phone	555-555-1234
Policy E-mail	policy@ix.example.net
Policy Phone	555-555-1234
Prefix	2001:db8::/64

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[Submit Exchange](#)

Creating a PeeringDB Profile

Network Name

Must match the organization or service.

ASN

Your unique Autonomous System Number.

Peering Policy

Options include:

- Open
- Selective
- Restrictive

Many networks use this field before approaching potential peers.

Creating a PeeringDB Profile

Traffic Levels

Provides an indication of network scale.

Geographic Scope

Examples:

- National
- Continental
- Global

Contact Roles

Add:

- Policy Contact
- NOC Contact
- Public Peering Contact
- **Abuse Contact**

Best Practices & Common Mistakes

Best Practices

- ✓ Use role-based email addresses
peering@
noc@
network@
- ✓ Keep contacts updated
- ✓ Maintain accurate IXP participation
- ✓ Update traffic estimates
- ✓ Regularly verify facility information

Common Mistakes

- ✗ Personal email addresses
- ✗ Missing NOC contacts
- ✗ Incorrect peering policy
- ✗ Forgotten profiles
- ✗ Not updating exchange memberships

Interesting Facts

"Did You Know?"

- Many large networks will not even consider a peering request if the PeeringDB profile is incomplete.
- PeeringDB information is often integrated into network automation and provisioning workflows.
- The platform is community-driven and relies on operators maintaining accurate data.
- PeeringDB data is commonly used during peering forums, NOG meetings and Internet Exchange growth initiatives.

Vital Statistics and Growth: Years 2024 and 2025



Verified Users: 51,050

■ 2025: +9%
■ 2024: +11%



Organizations: 32,600

■ 2025: +9%
■ 2024: +10%



Peering Networks: 33,624

■ 2025: +6%
■ 2024: +8%



Internet Exchange Points: 1,268

■ 2025: +2%
■ 2024: +8%



Interconnection Facilities: 5,811

■ 2025: +3%
■ 2024: +7%



Campuses (New): 69

■ 2025: +17%



Carriers (New): 269

■ 2025: +26%



Did You Know?

You can now
compare facilities
and networks
directly on the
PeeringDB
website!

 **PeeringDB**

Search here for a network, IX, or facility.

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

YolandiC 

English (English)

Exchanges Networks **ASN Connectivity** Facilities Organizations Campus Carriers

Facilities Exchanges

Show All Any Matches All Matches ☐ Hide unmatched facilities

ASNs

Search ASN numbers ...

AS42 - PCH AS42

AS45102 - Alibaba

Maximum 10 ASNs.

Reset Search

JSON CSV

☒ Present ☐ Not Present ☐ Any Matches ☐ All Matches

Facility 	Country	AS42	AS45102
Africa Data Centres, Cape Town CPT1, South Africa	ZA	☒	☐
Africa Data Centres, Johannesburg JHB1, South Africa	ZA	☒	☐
AIMS Kuala Lumpur	MY	☒	☒
Andrino Telecom MAD1	ES	☒	☐
Balkan Gate Thessaloniki	GR	☒	☐
Cabase BUE	AR	☒	☐
CarrierColo Berlin Luetzow (I/P/B/ site B)	DE	☒	☐

Conclusion

Key Takeaways

- PeeringDB is the global directory for Internet interconnection.
- Accurate information helps networks find and connect with you.
- A complete profile increases peering opportunities.
- Keep contacts and exchange participation updated.
- Your PeeringDB profile is often your network's first impression.

IMPORTANT

If your network is not discoverable in PeeringDB, it may be invisible to potential peers.

Thank you to our sponsors!

