What's new on PeeringDB?

Livio Morina
livio@peeringdb.com

What is PeeringDB?

PeeringDB is a freely available, user-maintained, **database** of **networks** and **carriers**, and the go-to location for interconnection data. It facilitates the global interconnection of networks at **IXPs**, **data centers**, and **other interconnection facilities**. It is the first stop in making interconnection decisions.

Global System Statistics
1118 Exchanges
28318 Networks
5212 Facilities
34 Campuses
98 Carriers
50717 Connections to Exchanges
45875 Connections to Facilities
6290 Automated Networks
49570 Registered Users
26388 Organizations

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: Patrick Gilmore (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) and Bijal Sanghani (Vice Chair) Contact: outreachcom@ lists.peeringdb.com	Leads: Stephen McManus (Chair) and Matt Griswold (Vice Chair) Product Manager: Leo Vegoda Contact: productcom@ lists.peeringdb.com

Support Ticket Statistics
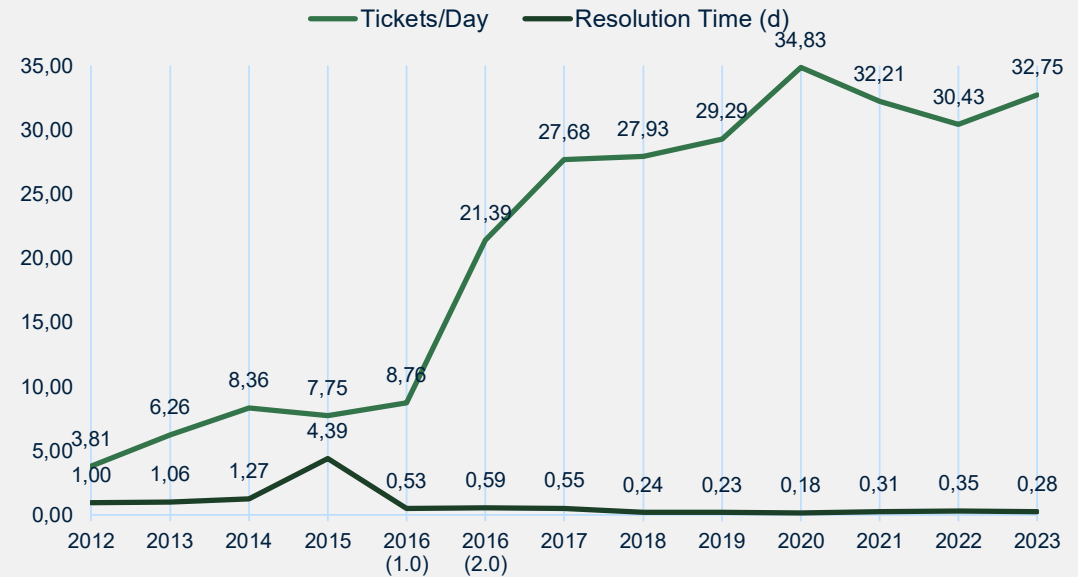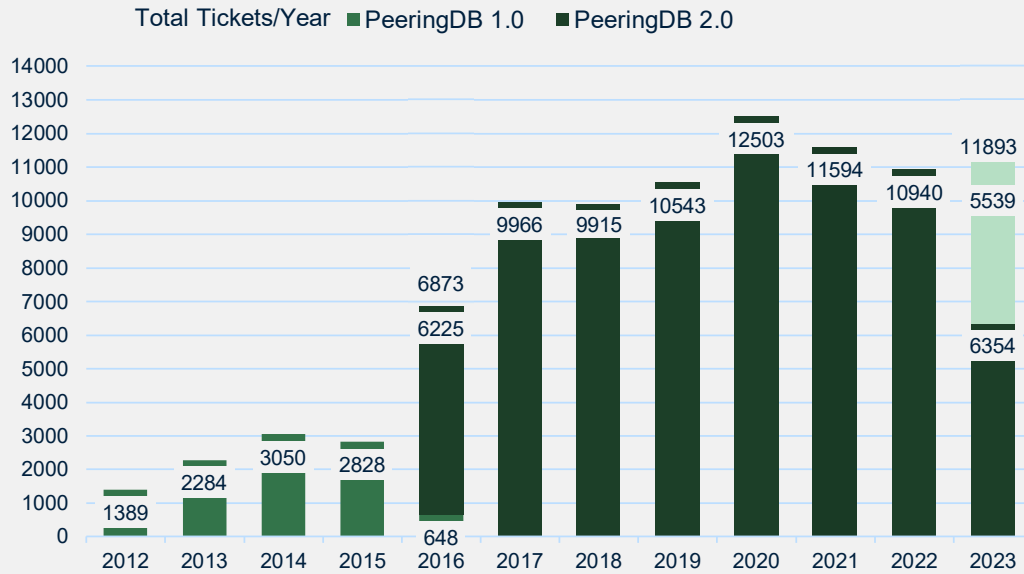
- Admin Committee volunteers are based around the world in a variety of time zones with diverse language skills
- Goal is to resolve support tickets within 24 hours

We are looking for volunteers

- For Admin Committee
  - who speak languages other than English

- For Operations Committee
  - Small and highly trusted
  - Experience with containers is a plus

- **Apply to stewards@lists.peeringdb.com**

Documentation Updates

- Started series of HOWTOs
  - https://docs.peeringdb.com/howtos/
- Regular blogs on new features
  - https://docs.peeringdb.com/blogs/
- Announced on social media
        ** FOLLOW US **

Create entries

- Get Started with PeeringDB as a Exchange Operator
- Get Started with PeeringDB as a Facility Operator
- Get Started with PeeringDB as a Network Operator

Manage entries

- Manage Organizational Policy
- Manage User Permissions

Search

- Get Started with Search in PeeringDB
- Work Within PeeringDB's Query Limits

Authentication and security

- Authenticate to PeeringDB
- Get Started with API Keys
- Report a Security Issue

Other

- Get Started with Developing for PeeringDB
- Setup a PeeringDB Development Environment
- What is AS112?

Product Development Workflow

- All issues tracked using GitHub at https://github.com/peeringdb/peeringdb/issues
  - Anyone can open a feature requests or file a bug report
  - Open and transparent process for product development
  - Workflow is at http://docs.peeringdb.com/workflow/
- Product Committee issue process
  - Evaluate and prioritize the requests
  - Request a quote for development costs
  - Request budget from the board
  - Manage implementation and scheduling
- Your input is needed on features!

1 Decide
No due date   Last updated 3 days ago
Issues under Decide queue. Issues are kept in Decide while the
Product Committee discusses the issue. Next milestone is "Consensus
Reached"
12% complete   128 open   19 closed
Edit Close Delete

2 Consensus Reached
No due date   Last updated 3 days ago
Issues that are in the Consensus queue. When a decision is made abo...(more)
0% complete   6 open   0 closed
Edit Close Delete

3 Consensus Finalized
No due date   Last updated 1 day ago
When an issue is at milestone "Consensus reached" PC members have t...(more)
100% complete   0 open   2 closed
Edit Close Delete

3a Needs Implementation discussion
No due date   Last updated 6 days ago
0% complete   5 open   0 closed
Edit Close Delete

4 Ready for Implementation
No due date   Last updated 1 day ago
Last milestone before milestone "Next release". The predecessor is
"Consensus Finalized".
0% complete   22 open   0 closed
Edit Close Delete

Next Release
No due date   Last updated 5 days ago
80% complete   3 open   12 closed
Edit Close Delete

Release Schedule

Release number	Internal testing	Beta release	Production release
2.51.0	2023-09-06	2023-09-13	2023-09-20
2.52.0	2023-10-18	2023-10-25	2023-11-06
2.53.0	2023-11-22	2023-11-29	2023-12-01

New Object "Carrier"

- New pillar of data besides network, facility and ix
- A "Carrier" provides high capacity L1/L2 links between facilities.
- API: carrier and carrierfac
- A carrier presence in a facility must be approved by a facility admin

New Object "Carrier"

- Add a carrier object via your organization "Manage" section
- Add a presence via the carrier object
- Introduced in 2.43.0 (Current 2.51.0)
- See also the blog about the carrier object

New Object "Campus"

- The campus object allows to structure two or more facilities
  - Not well defined in terms of size
  - All facilities should be interconnectable with "cheap" interconnections
  - All facilities must belong to the same owner
- API: campus
- A campus is only shown with at least two members
- Add a campus object via your organization "Manage" section
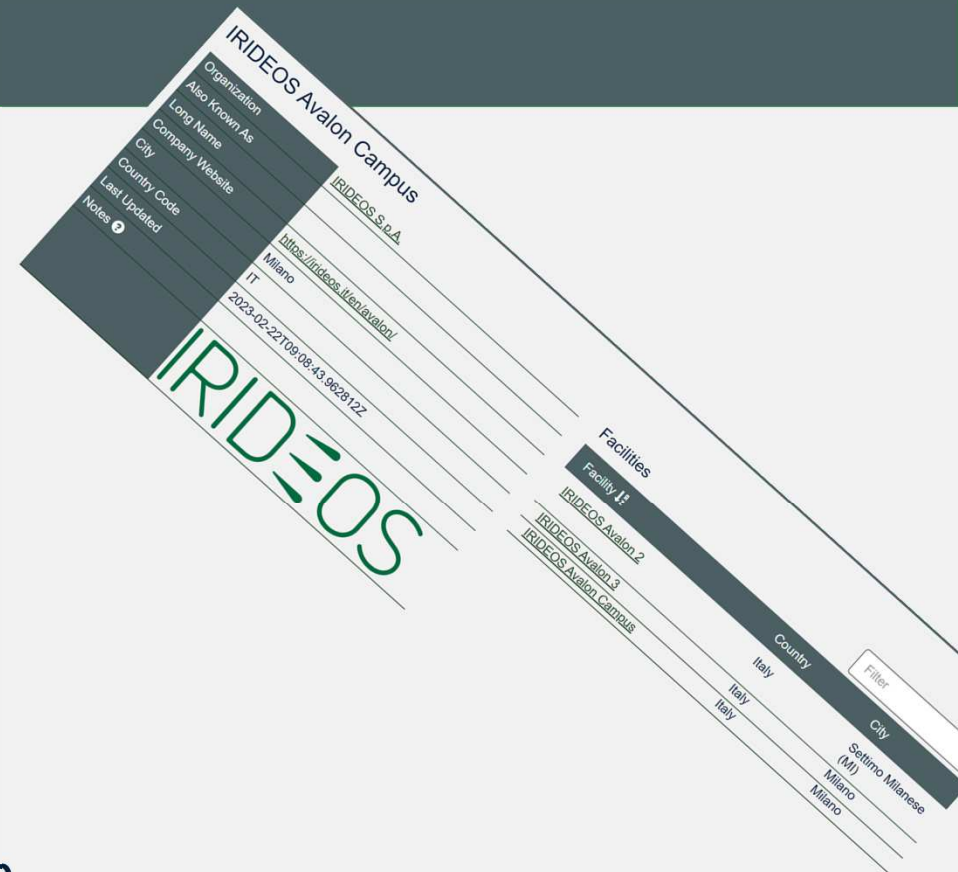
Account Security

- Two-factor authentication (2FA) (2.21.0)
  - Using time-based one-time password (TOTP) - no SMS, no email
  - Setup via User Profile
  - Highly recommended
  - Provision for backup codes and recovery tokens
- Fast IDentity Online (FIDO) Universal 2nd Factor (U2F) 2FA support (2.33.0)
  - Allowing users to enable 2FA without relying on a TOTP app
- HOWTO: https://docs.peeringdb.com/howto/authenticate/
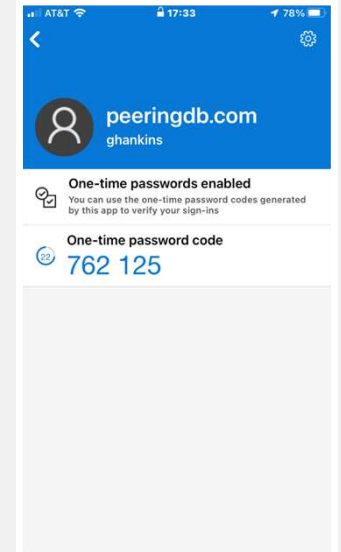
IX-F JSON Import

- **Finalize tasks from Data Ownership Task Force**
  - ATM, only notifications are sent out to networks and IXes
  - Todo: automatically remove stale connections to an IX
    - Almost done, see Github issue #1360

- **Why don't more IXP provide an IX-F JSON and enable it?**

Total Number of IXP inEurope	376	100.0%
IXP with IX-F JSON URL	130	34.6%
IX-F JSON Import enabled	97	25.8%

Data retrieved from PeeringDB on 2023-03-10 06:57 UTC

Import of Data Provided by IXPs

- For Networks
  - Allow IXPs to maintain your IXP connection information
  - One setting for all IXPs where you are connected
  - Off by default

- For IXPs
  - IXPs provide participant data (IP addresses, speed, RS peering)
  - Imported into PeeringDB nightly using IX-F JSON schema

- See issue #237 on GitHub for details

PeeringDB Configuration

Allow IXP Update	○

Networks Click "Allow IXP Update" in Network Record

Name	DOT1Q	MTU
☒ DE-CIX Frankfurt Peering LAN	☐	1500
IXF Member Export URL		
☒ IPv4	80.81.192.0/21	
☒ IPv6	2001:7f8::/64	

IXPs Set Export URL in Exchange Record

Greece from a PeeringDB POV

Category	Numbers
IXP/Operators	5/4
Facilities/Operators	10/7
Networks at IXP	77
Greek Networks at IXP	42
Networks in Facilities	73
Greek Networks in Facilities	41
Total Networks (IXP and Facilities)	102
Total Greek Networks (IXP and Facilities)	50
Greek Networks in PeeringDB	60
Greek Networks in any RIR	228
PeeringDB/RIR	26.3%

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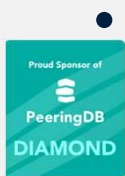
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peeringdb.com/search?q=athens
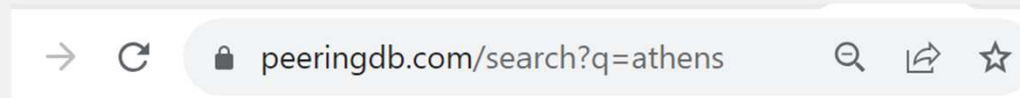
PeeringDB athens
Advanced Search   v2 Search (Beta)

Exchanges (3)
GR-IX::Athens
BGP.Exchange - Athens
SEECIX

Facilities (4)
Synapsecom SNC-2 Athens
Lancom Athens DC
Digital Realty Athens Campus
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Questions?

Need help? Contact support@peeringdb.com

Got a feature idea? Contact productcom@lists.peeringdb.com