



**PeeringDB**

# What's new on PeeringDB?

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# 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.

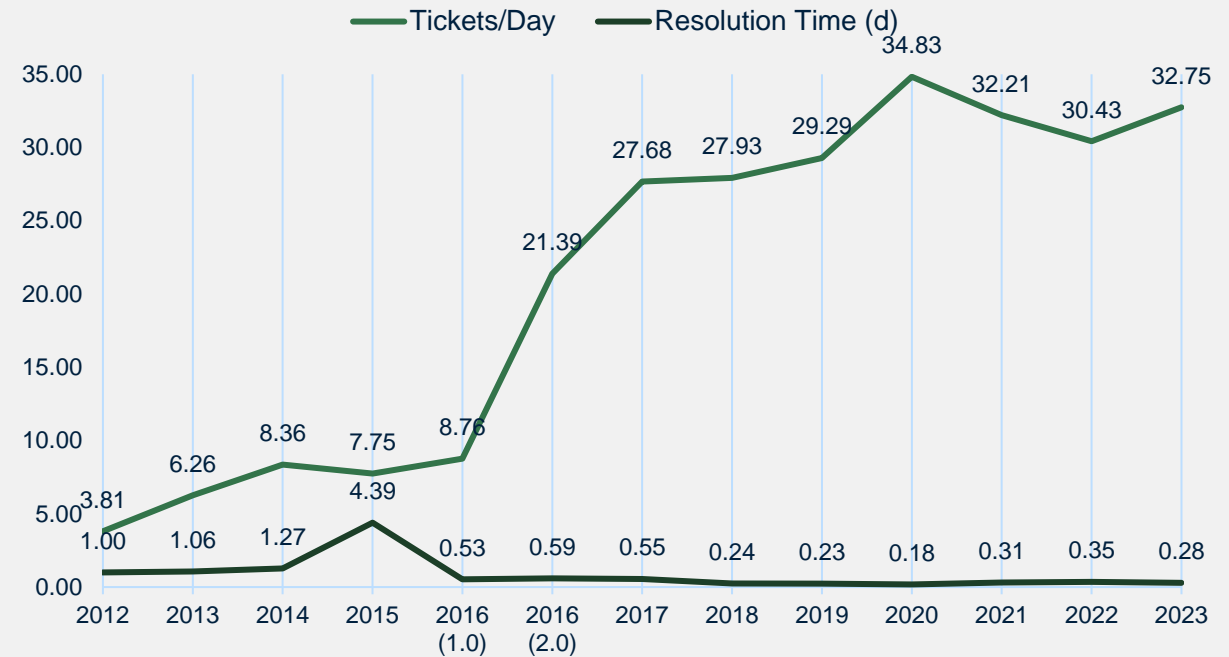
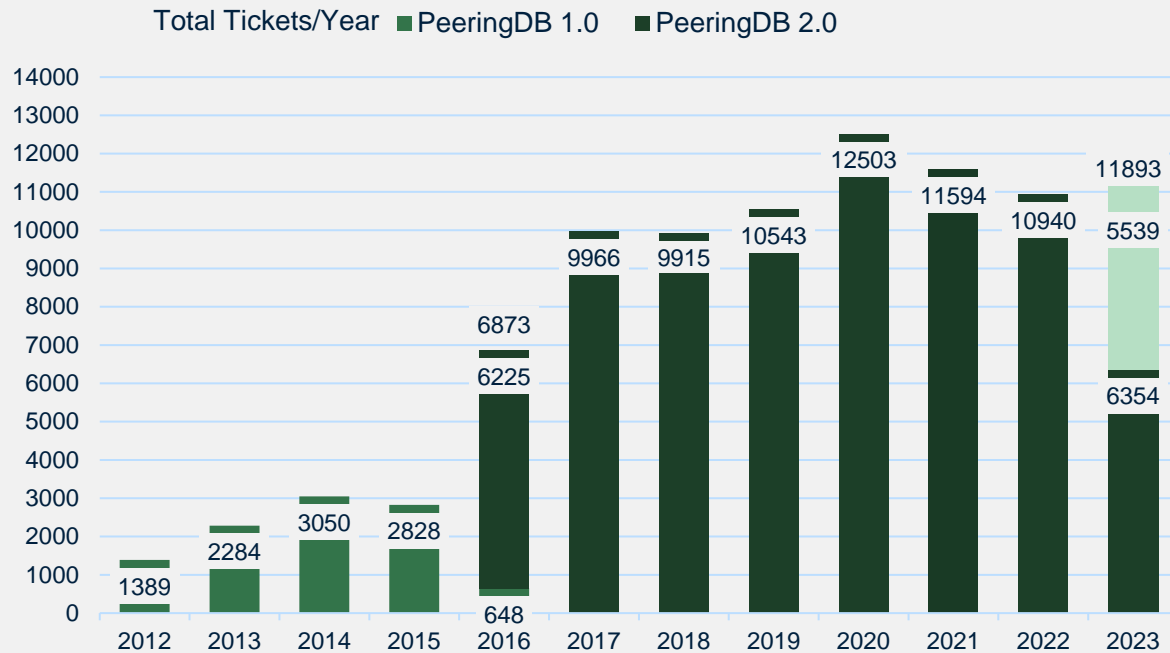
**Global System Statistics**

- 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
<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: Patrick Gilmore (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) and Bijal Sanghani (Vice 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: Stephen McManus (Chair) and Matt Griswold (Vice Chair) Product Manager: Leo Vegoda Contact: <a href="mailto:productcom@lists.peeringdb.com">productcom@lists.peeringdb.com</a></p>

# 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](mailto: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

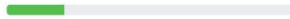
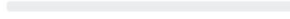

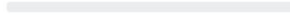
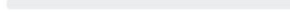

- Authenticate to PeeringDB
- Get Started with API Keys
- Report a Security Issue

## 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!

<b>1 Decide</b> 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 <a href="#">Edit</a> <a href="#">Close</a> <a href="#">Delete</a>
<b>2 Consensus Reached</b> 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 <a href="#">Edit</a> <a href="#">Close</a> <a href="#">Delete</a>
<b>3 Consensus Finalized</b> 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 <a href="#">Edit</a> <a href="#">Close</a> <a href="#">Delete</a>
<b>3a Needs Implementation discussion</b> No due date ⌚ Last updated 6 days ago	 0% complete 5 open 0 closed <a href="#">Edit</a> <a href="#">Close</a> <a href="#">Delete</a>
<b>4 Ready for Implementation</b> 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 <a href="#">Edit</a> <a href="#">Close</a> <a href="#">Delete</a>
<b>Next Release</b> No due date ⌚ Last updated 5 days ago	 80% complete 3 open 12 closed <a href="#">Edit</a> <a href="#">Close</a> <a href="#">Delete</a>

# Release Schedule

<b>Release number</b>	<b>Internal testing</b>	<b>Beta release</b>	<b>Production release</b>
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

Arvig Enterprises Inc.

Also Known As	
Long Name	
Website	<a href="https://www.arvig.com/">https://www.arvig.com/</a>
Address 1	150 2nd Street SW
Address 2	
Floor	
Suite	
Location	Perham, MN, 56573
Country Code	US
Geocode	<i>Geocode data for this entity could not be obtained at this point. This is done automatically upon address field changes.</i>
Last Updated	2019-07-08T18:35:40Z
Notes ?	
Logo ?	

Edit

Facilities

Filter

Name ↓	Country	City
--------	---------	------

No filter matches.  
You may filter by **Name**, **Country** or **City**.

Networks

Filter

Name ↓	ASN
Arvig	16904

Exchanges

Filter

Name ↓	Country	City
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No filter matches.  
You may filter by **Name**, **Country** or **City**.

Carriers

Filter

Name ↓
Arvig

Campuses

Filter

Name ↓
--------

No filter matches.  
You may filter by **Name**.

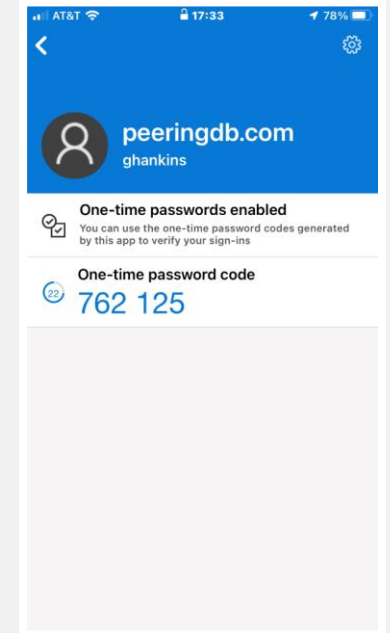
# New Object “Campus”

- 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?

<b>Total Number of IXP in Europe</b>	<b>376</b>	<b>100.0%</b>
<b>IXP with IX-F JSON URL</b>	<b>130</b>	<b>34.6%</b>
<b>IX-F JSON Import enabled</b>	<b>97</b>	<b>25.8%</b>

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
<input type="checkbox"/> DE-CIX Frankfurt Peering LAN	<input type="checkbox"/>	1500
<input type="text" value="IXF Member Export URL"/>		
<input type="checkbox"/> IPv4	80.81.192.0/21	
<input type="checkbox"/> 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%

# Thank you to our sponsors!

Diamond  
Sponsor



Microsoft

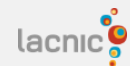
Platinum  
Sponsors



Gold  
Sponsors

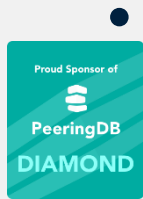


Silver  
Sponsors





# Become a PeeringDB Sponsor!



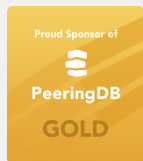
## Diamond Sponsorship - \$25,000 / year

- Limited to 10 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

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- Platinum Sponsor badge display on all records
- Social media promotion



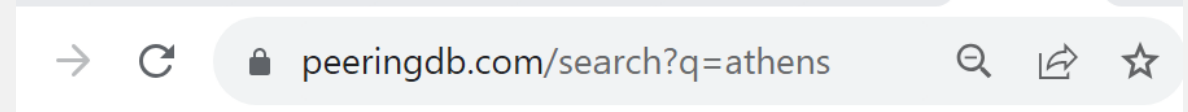
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## Silver Sponsorship - \$2,500 / year

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- Silver Sponsor badge display on all records
- Social media promotion

  
[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 \(ATH1, ATH2, ATH3\)](#) **Gold Sponsor**
- [Εθνικό Ίδρυμα Ερευνών / National Hellenic Research Foundation \(EIE/NHRE\)](#)



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**PeeringDB**

# Questions?

Need help? Contact [support@peeringdb.com](mailto:support@peeringdb.com)

Got a feature idea? Contact [productcom@lists.peeringdb.com](mailto:productcom@lists.peeringdb.com)