



PeeringDB

PeeringDB Update

Ben Ryall, ben@peeringdb.com

What is PeeringDB?

- Why should my facility, IXP or network 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
 - 368 addresses subscribed to the Governance mailing list (as of August 17, 2022)
 - Governance list is at <http://lists.peeringdb.com/cgi-bin/mailman/listinfo/pdb-gov>
 - More information available at <http://gov.peeringdb.com/>

Committees

Admin Committee

- Manage administration of user accounts and PeeringDB records
- Answer support tickets
- Cleansing and completion of PeeringDB records

Leads: Patrick Gilmore (Chair) and Darwin Costa (Vice Chair)

Contact: admincom@lists.peeringdb.com

Operations Committee

- Manage PeeringDB infrastructure

Leads: Job Snijders (Chair) and Aaron Hughes (Vice Chair)

Contact: pdb-ops@lists.peeringdb.com

Outreach Committee

- Manage marketing and social media
- Develop and maintain presentations, workshops and webinars
- Coordinate presentations and attendance at events

Leads: Ben Ryall (Chair) and Bijal Sanghani (Vice Chair)

Contact: outreachcom@lists.peeringdb.com

Product Committee

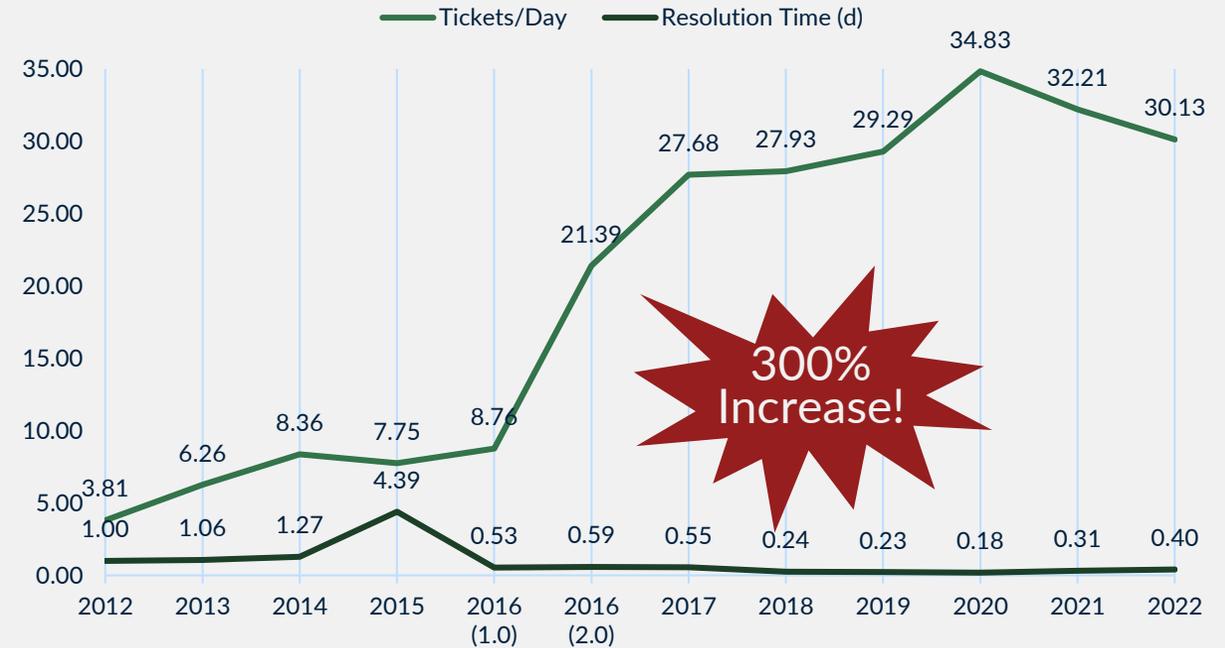
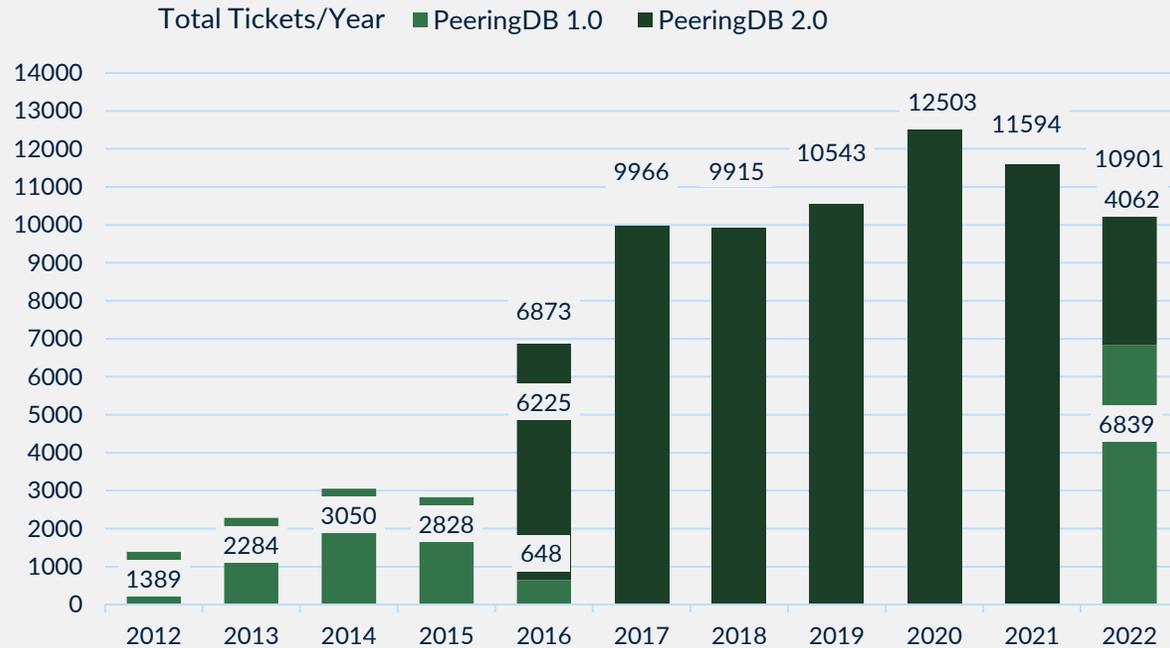
- Manage roadmap and development priorities
- Ask for input from the community on desired features
- Write SoWs to solicit bids to complete requested features

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

Generally

- <https://www.peeringdb.com> is enforced (2.35.0)
- Please check your scripts (e.g. -L for curl)
- Enables better delivery via CDNs
- Lots of bug fixes and small features
 - Users especially like the logo feature
 - Various counters for *fac*, *ix* and *net* objects
 - Updated fields allow for easy tracking of changes
 - *netixlan_updated*
 - *netfac_updated*
 - *poc_updated*

Authentication

- API keys (2.26.0)
 - 256bit random number, base62 encoded
 - On org level (additional tabs)
 - Needs an email associated with it (ideally role-account)
 - Can be created by any Admin
 - Same granular (CRUD) permissions as users
 - On user level
- Substantially rate-limit unauthenticated API queries (2.34.0)
 - Wild running scripts
 - Bad code
 - See [tech-list](#) for details

Account Security

- Two-Factor Authentication (2FA, 2.21.0)
 - Using TOTP; no SMS, no E-Mail
 - Setup via User Profile
 - Highly recommended
 - Provision for backup-codes/recovery tokens
- Add FIDO U2F 2FA Support (2.33.0)
 - Allowing users to enable 2FA w/o relying on a TOTP app

Self-Selection Fields (Exchanges, 2.27.0)

- Service Level
 - Best Effort (no SLA)
 - Normal Business Hours
 - 24/7 Support
 - Not Disclosed (default)
- Terms
 - No Commercial Terms
 - Bundled with other Services
 - NRC only
 - Recurring Fees
 - Not Disclosed (default)

SIX Seattle

Peers **355** Connections **409** Open Peers **244** Total Speed **16.0T** % with IPv6 **89**

Organization	Seattle Internet Exchange
Also Known As	
Long Name	Seattle Internet Exchange (MTU 1500)
City	Seattle
Country	US
Continental Region	North America
Media Type	Ethernet
Service Level	24/7 Support
Terms	Non-recurring Fees Only
Last Updated	2021-05-27T00:08:55Z
Notes 	SIX port fees: <ul style="list-style-type: none">• 100G: \$7.5k NRC, no MRC• 10G: \$1.5k NRC, no MRC• 1G: \$100 NRC, no MRC Translate »

Peers at this E

Peer Name ↓
IPv4

 [AARNet](#)

2001:504:16::1d

[Accel Net](#)
206.81.81.240

 [Access Communications operative](#)

 [Acronis US](#)

[Adobe Systems](#)
206.81.81.13

[Adobe Systems](#)
206.81.81.14

[Advanced Communications Technology](#)

Self-Selection Fields (Facilities, 2.30.0)

- Property
 - Lessee
 - Owner
 - Not Disclosed (default)
- Diverse Serving Substations
 - Yes
 - No
 - Not Disclosed (default)
- Available Voltage Services
 - 48 VDC
 - 120 VAC
 - 208 VAC
 - 240VAC
 - 480 VAC

NPFA-NXX	
Last Updated	2022-04-20T20:03:43Z
Notes 	
	
Technical Email	support@aubix.net
Technical Phone 	
Sales Email	sales@aubix.net
Sales Phone 	
Property 	Owner
Diverse Serving Substations 	Yes
Available Voltage Services 	208 VAC
Health Check	

Searching

- Improvement from NANOG83 Hackathon (2.33.0)
- Searching for Numbers return the most relevant results
- Searching for a short ASN returns just that ASN
- Searching for two segments of an IP address return related *ix* and *netixlan* objects

Searching (Facilities)

- The address is mapped to coordinates
 - Search a radius from any location
 - Filter searches on criteria
 - Export as JSON or CSV
- Additional Information
 - Property ownership
 - Redundancy
 - Power provided

www.peeringdb.com/advanced_search

Exchanges Networks **Facilities** Organizations

Name

Address

City/ State/ Postal

Country (ctrl/cmd click to select multiple)
Antarctica
Antigua and Barbuda
Argentina
Armenia
Aruba
Australia

Continental Region (ctrl/cmd click to select multiple)
North America
Asia Pacific
Europe
South America
Africa
Australia

Within Distance km

Management

CLLI

NPA-NXX

Property

Diverse Serving Substations

Available Voltage Services
48 VDC
120 VAC
208 VAC
240 VAC
480 VAC

Network Presence

My organization presence (ctrl/cmd click to select multiple)

Name ↓ Management	CLLI NPA-NXX	City Country	State Postal Code	Networks
AAPT Brisbane AAPT (TNZA)	-	Brisbane AU	QL 4000	1
Christie Systems DC1 Christie Systems Services	-	Brisbane AU	Queensland 4000	1
NEXTDC B1 NEXTDC	-	Brisbane AU	QL -	78
Over the Wire - 24 Little Edward Over The Wire Pty Ltd	-	Spring Hill AU	QLD 4200	0
PIPE Networks Brisbane PIPE Networks	-	BRISBANE AU	QL 4000	13
Rail Centre 1 QR - Rail Centre 1	-	Brisbane AU	QL 4000	0

Searching (Exchanges)

- Filter searches on criteria
- Export as JSON or CSV
- Additional Information
 - Service Level
 - Terms
 - Network presence

Exchanges Networks Facilities Organizations

Name

City

Country (ctrl/cmd click to select multiple)

Continental Region (ctrl/cmd click to select multiple)

Organization

IP Block

Capacity

Media Type (ctrl/cmd click to select multiple)

Service Level (ctrl/cmd click to select multiple)

Terms (ctrl/cmd click to select multiple)

Network Presence

My organization presence (ctrl/cmd click to select multiple)

Name	Media Type	Country	City	Network...
DE-CIX Frankfurt Platinum Sponsor	Ethernet	DE	Frankfurt	967

Documentation Updates

- Started series of HOWTOs
 - Explain usage in detail for networks, exchanges and facilities
 - How to use the new search
 - About user permissions
 - <https://docs.peeringdb.com/howtos/>

PeeringDB HOWTOs

HOWTOs provide a beginner detailed instructions on how to get started using PeeringDB.

- Get Started with PeeringDB as a Network Operator
- Get Started with PeeringDB as a Exchange Operator
- Get Started with PeeringDB as a Facility Operator
- Get Started with Search in PeeringDB
- Manage User Permissions
- What is AS112?

What's ahead?

- Lots of [small features and bug fixes](#)
- Improve searching
 - Both for GUI and API
- Finalize tasks from [Data Ownership Task Force](#)
 - Automatically remove stale connections to an IX
- Automate Approving Networks, IXPs, and Facilities according to the latest [Guidelines and Criteria](#)

Become a PeeringDB Sponsor!

- Diamond Sponsorship - \$25,000 / year



- Limited to 2 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



- Large logo on second line of Sponsors page with URL
- Platinum Sponsor badge display on all records
- Social media promotion

- Gold Sponsorship - \$5,000 / year



- Medium logo on third line of Sponsors page
- Gold Sponsor badge display on all records
- Social media promotion

- Silver Sponsorship - \$2,500 / year



- Small logo on fourth line of Sponsors page
- Silver Sponsor badge display on all records
- Social media promotion

Microsoft Diamond Sponsor

Organization	Microsoft Corporation
Also Known As	8068 8069
Company Website	
Primary ASN	8075

DE-CIX Frankfurt Platinum Sponsor

Organization	DE-CIX Management GmbH
Long Name	Deutscher Commercial Internet Exchange
City	Frankfurt
Country	DE
Continental Region	Europe
Media Type	Ethernet



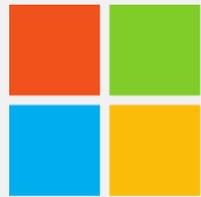
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DIGITAL REALTY



NEWBY VENTURES



NYIIX



RIPE NCC
RIPE NETWORK COORDINATION CENTRE





PeeringDB

Questions?

23 - 25 August 2022

AfPIF 2022, Kigali, Rwanda