PeeringDB Update

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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	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) and Darwin Costa (Vice 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

Total Tickets/Year ■ PeeringDB 1.0 ■ PeeringDB 2.0

Tickets/Day — Resolution Time (d)
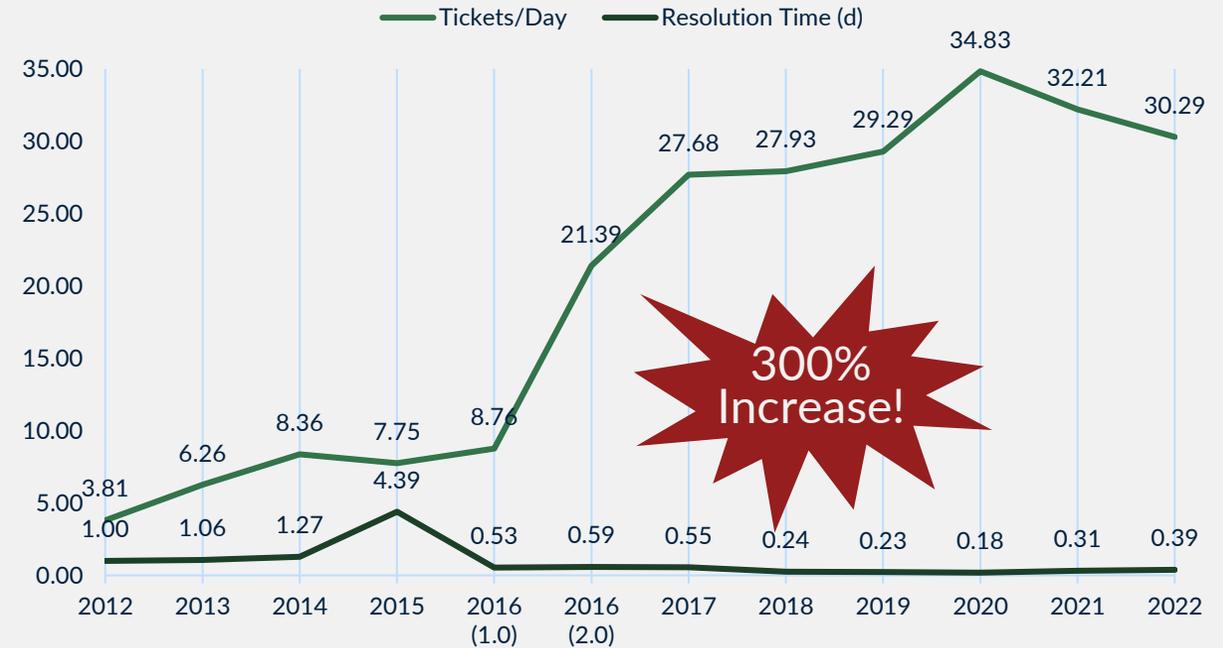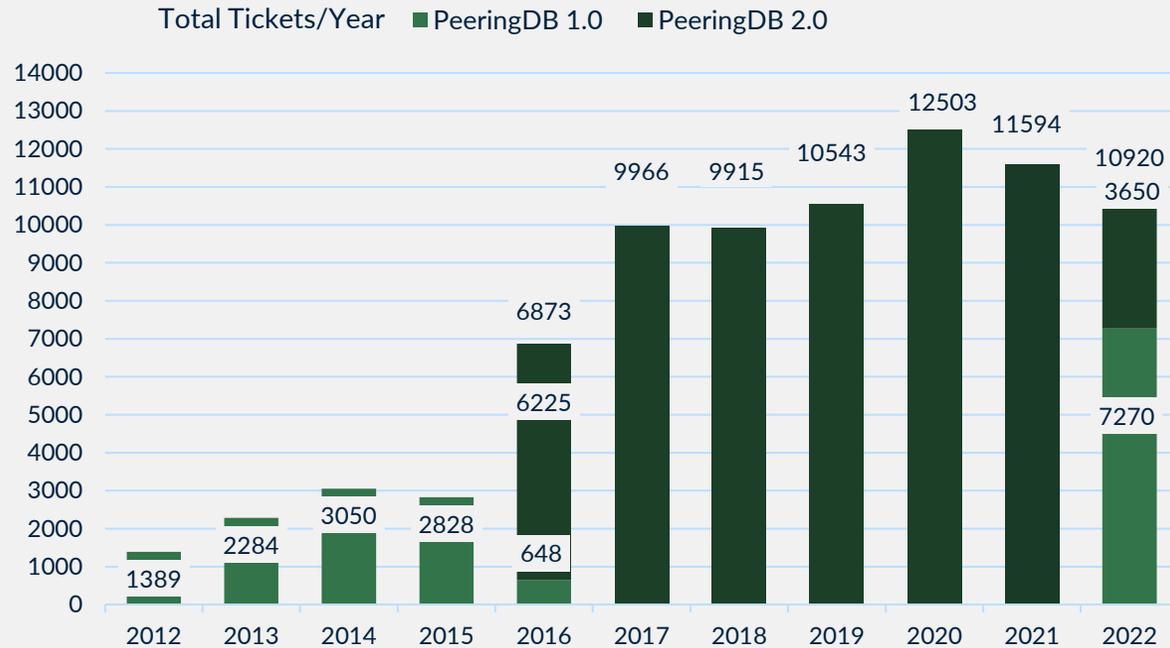
- Admin Committee volunteers are based around the world in a variety of time zones with diverse language skills
- Goal is to resolve support tickets within 24 hours

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-accpount)
    - 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	Connections	Open Peers	Total Speed	% with IPv6
355	409	244	16.0T	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: • 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

NPA-NXX	
Last Updated	2022-04-20T20:03:43Z
Notes ❓	
	AUBix
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

Searching (Exchanges)

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

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

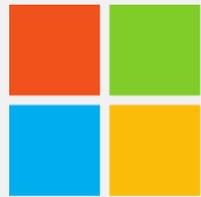| Organization	DE-CIX Management GmbH
Long Name	Deutscher Commercial Internet Exchange
City	Frankfurt
Country	DE
Continental Region	Europe
Media Type	Ethernet

Proud Sponsor of **PeeringDB** Gold

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PeeringDB

12 - 14 September 2022

EPF15, Rome, Italy

Questions?