



PeeringDB

PeeringDB Update

Chris Malayter

2022-05-12

GPF 2022, National Harbor, MD, USA

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 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

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New Feature Highlights

2022-05-12

GPF 2022, National Harbor, MD, USA

General New Features

- <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 custom logo feature
 - Various counters for fac, ix and net objects
 - Updated fields allow for easy tracking of changes
 - netixlan_updated
 - netfac_updated
 - poc_updated
- Check the release notes for complete details details
 - https://docs.peeringdb.com/release_notes/

Authentication

- API keys [2.26.0]
 - 256-bit 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]

Account Security

- Two-Factor Authentication (2FA) [2.21.0]
 - Using TOTP; no SMS, no email
 - 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

INFA-XXXX	
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 NANOG 83 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	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/>

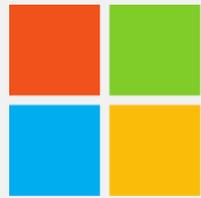
PeeringDB HOWTOs

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?

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- Silver Sponsorship - \$2,500 / year



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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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Questions?