



Introduction to PeeringDB

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Co-host: **Airtel Business**



capacity

Agenda

1. Organization
2. Strategic Goals and Organizational Objectives
3. How to use PeeringDB

What is PeeringDB?

Mission statement: “PeeringDB, a nonprofit member-based organization, facilitates the exchange of user maintained interconnection related information, primarily for Peering Coordinators and Internet Exchange, Facility, and Network Operators.”

- A PeeringDB record makes it easy for people to find you, and helps you to establish peering
- If you aren't registered in PeeringDB, you can register at <https://www.peeringdb.com/register>
- We use basic verification for new accounts and require current whois information, so please
 - Update and maintain your whois information
 - Register from a company email address



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
 - 324 addresses subscribed to the Governance mailing list (as of January 3, 2018)
 - Governance list is at <http://lists.peeringdb.com/cgi-bin/mailman/listinfo/pdb-gov>
 - More information available at <http://gov.peeringdb.com/>
 - **Next online annual meeting is 2018-04-19. Stay tuned!**

Committees

Admin Committee

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

Leads: Arnold Nipper (Chair) and Bijal Sanghani (Vice Chair)

Contact:

admincom@lists.peeringdb.com

Operations Committee

- Manage PeeringDB infrastructure

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

Contact:

pdb-ops@lists.peeringdb.com

Product Committee

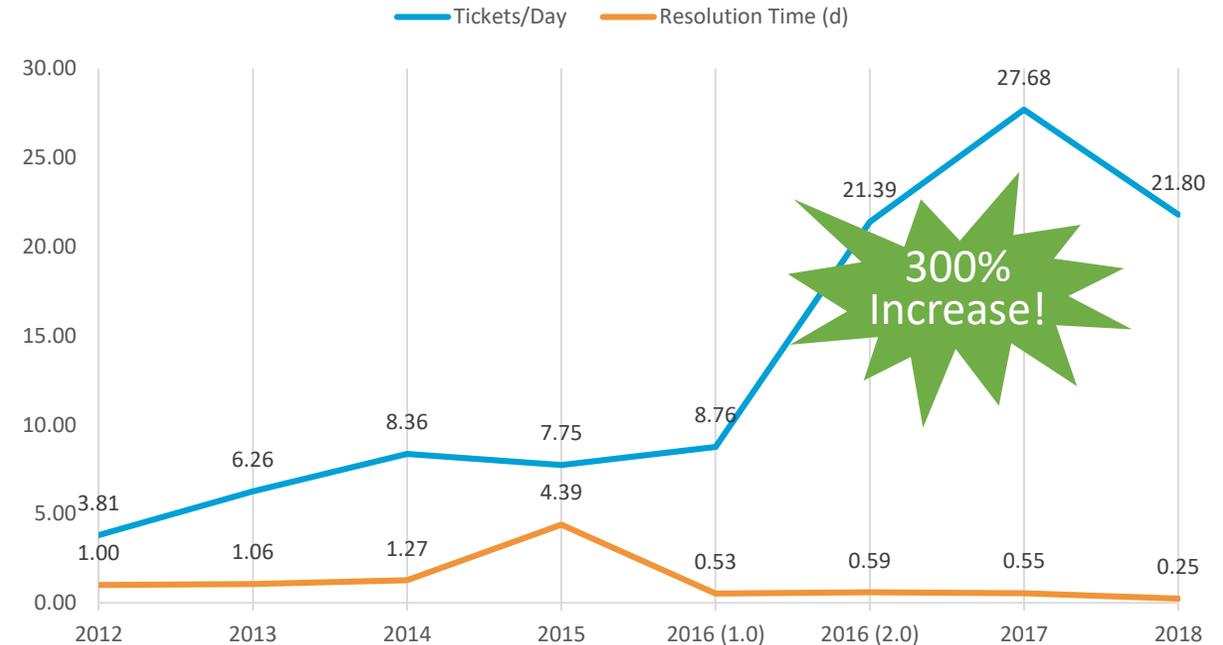
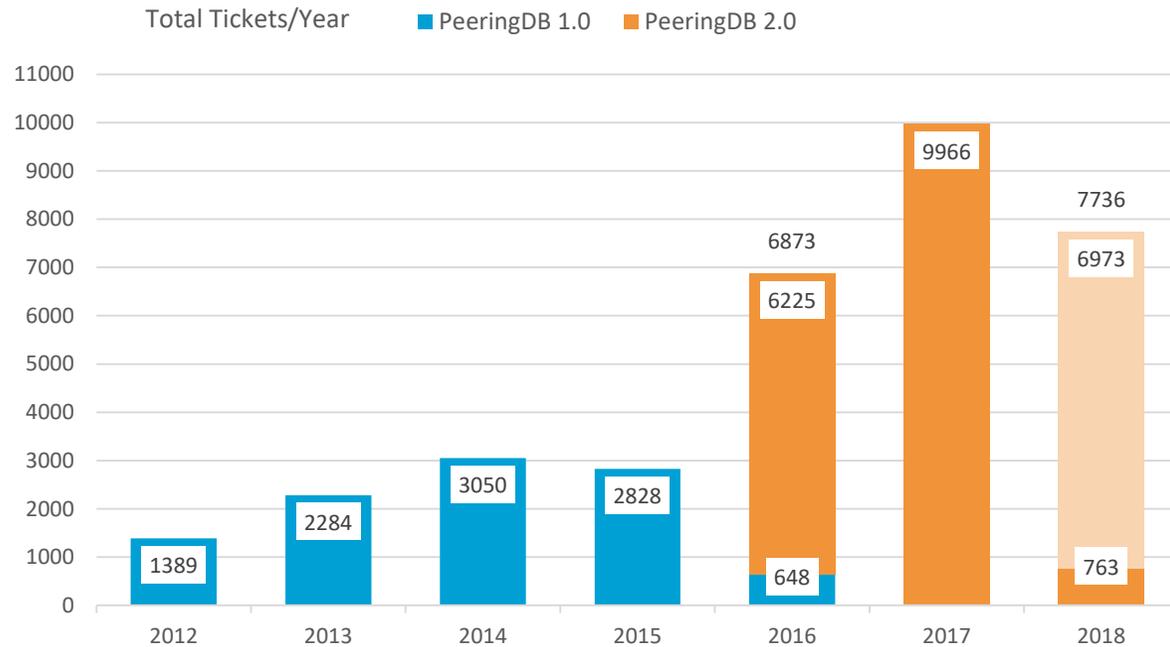
- Ask for input from the community on desired features
- Manage roadmap and development priorities
- Write SoWs to solicit bids to complete requested features

Leads: Eric Loos (Chair) and Matt Griswold (Vice Chair)

Contact:

productcom@lists.peeringdb.com

Support Ticket Statistics



- Admin Committee volunteers are based around the world in a variety of time zones
- Goal is to resolve support tickets within 24 hours

Agenda

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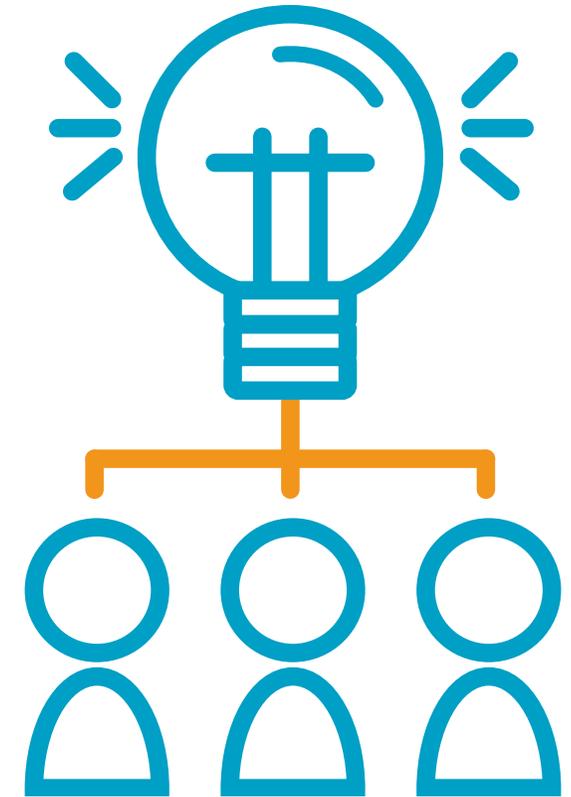
2017 – 2018 Strategic Direction

- Ensure reliability, security and support of PeeringDB services
- Maintain, develop, and enhance functionality of PeeringDB services as sought by the users and supported by the membership and community
- Educate the community on effective use of PeeringDB
- Educate the community on interconnection
- Evangelize use of PeeringDB



2017 – 2018 Strategic Direction

- Encourage support of PeeringDB via sponsorship
- Build a reserve of 2 years of operational funds for the longterm stability of the organization
- Strengthen relationships with operator and peering forums, and other related databases, to work cooperatively on interconnection topics
- Legal review of liabilities, and insurance (D&O)
- Succession planning



High Priority Projects for this Winter

- New Operations Committee formed to address recent outage
 - Members: Matt Griswold, Aaron Hughes, Stefan Pratter, Job Snijders (Chair), Matthew Walster
 - Responsible for managing infrastructure
 - Goal to move PeeringDB to a cloud provider in early 2018 (**done!**)
- PeeringDB code base to be open source
 - Open sourcing the platform will drive innovation
 - Open source license to be decided
 - Expected publication date of January 2018 (a bit behind)

Agenda

1. Organization and Election Update
2. Strategic Goals and Organizational Objectives
3. How to use PeeringDB

Register or Request Affiliation to an Existing Organization

2. Confirm Email Address
(Click Here if not Confirmed)

3. Enter ASN or Organization Here
Autocomplete on Existing ASNs and Organizations in PeeringDB

1. Go to Your Profile

4. Click "Affiliate"
Existing: Organization Admin Needs to Approve
New: Generates a Support Ticket for Validation and Approval

You have confirmed your email address!

Affiliate with organization

To affiliate with an existing organization, please enter the ASN or organization name below.

To register a new network organization, please enter the ASN and organization name below.

To register a new facility or exchange organization, please enter the organization name below (ASN is optional).

ASN

Organization

Affiliate

Existing affiliations

Your affiliation with [Nokia IP/Optical Networks Labs](#) has been approved.

ghankins

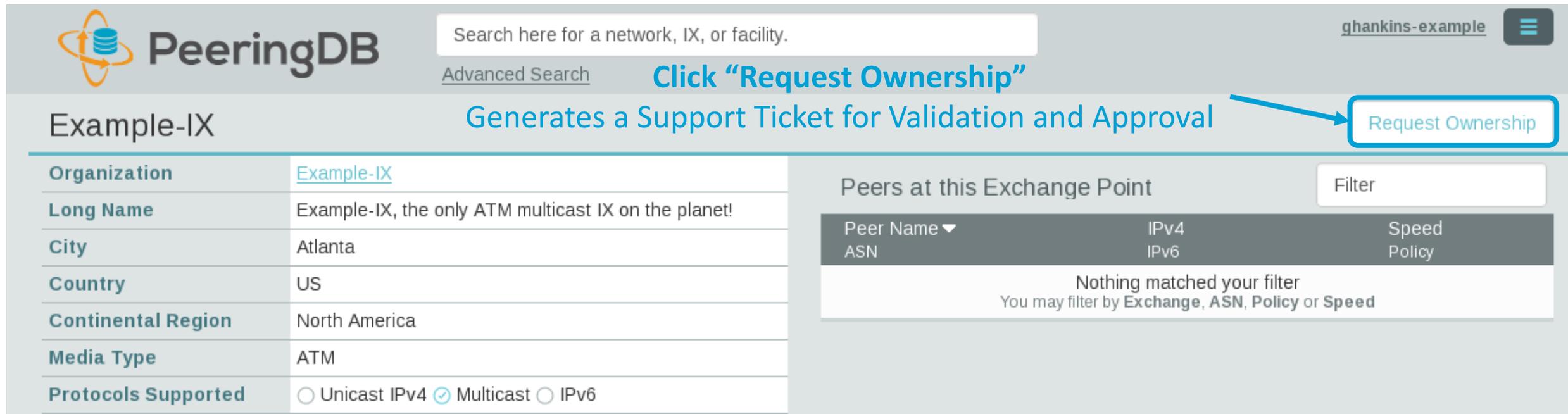
Nokia IP/Optical Networks Labs

Profile

Logout

Request Ownership of an Existing Organization

- Network records should already have an organization admin copied from PeeringDB 1.0
- Facility and exchange records will need to have an organization admin assigned



The screenshot shows the PeeringDB interface for an organization named 'Example-IX'. The page includes a search bar, a navigation menu, and a table of organization details. A blue arrow points to the 'Request Ownership' button, which is highlighted with a blue box. The text 'Click "Request Ownership" Generates a Support Ticket for Validation and Approval' is overlaid on the page.

PeeringDB Search here for a network, IX, or facility. ghankins-example

Advanced Search **Click "Request Ownership"**

Example-IX Generates a Support Ticket for Validation and Approval **Request Ownership**

Organization	Example-IX
Long Name	Example-IX, the only ATM multicast IX on the planet!
City	Atlanta
Country	US
Continental Region	North America
Media Type	ATM
Protocols Supported	<input type="radio"/> Unicast IPv4 <input checked="" type="radio"/> Multicast <input type="radio"/> IPv6

Peers at this Exchange Point Filter

Peer Name ▼ ASN	IPv4 IPv6	Speed Policy
Nothing matched your filter You may filter by Exchange , ASN , Policy or Speed		

Multiple Records Under a Single Organization

LINX Silver Sponsor

Website	https://www.linx.net
Address 1	The London Internet Exchange Ltd
Address 2	5th Floor, 24 Monument Street
Location	London, , EC3R 8AJ
Country Code	GB

Facilities

Name ▼	Country	City
IXCardiff	United Kingdom	Cardiff

Networks

Name ▼	ASN
LINX NoVA (LINX USA Inc.)	21919
LINX Route Servers	8714
London Internet Exchange (LINX)	5459

Exchanges

Name ▼	Country	City
IXCardiff	United Kingdom	Cardiff
IXManchester	United Kingdom	Manchester
IXScotland	United Kingdom	Scotland
LINX LON1	United Kingdom	London
LINX LON2	United Kingdom	London
LINX NoVA	United States of America	Northern Virginia

Facilities are Shown Here
LINX has 1 Facility

Networks are Shown Here
LINX has 2 Network Records

Exchanges are Shown Here
LINX has 6 Exchange Records

One Account Managing Multiple Organizations

PeeringDB Search here for a network, IX, or facility. [Advanced Search](#) [job](#)

Affiliate with Organization

To affiliate with an Organization, please enter a valid ASN or Organization name below.

ASN

Organization

Affiliate

Existing Affiliations

Your affiliation with [NTT Communications \(Global\)](#) has been approved

Your affiliation with [NLNOG RING](#) has been approved

Your affiliation with [Netwerkvereniging Coloclue](#) has been approved

Your affiliation with [Snijders IT](#) has been approved

Account “job” is
Affiliated with 4
Organizations

Organization User Management

Approve or Deny Pending Requests

Delegate Permissions for Members
Admins Have Access to Everything

Manage

[Add Facility](#) [Add Network](#) [Add Exchange](#) **Users** **Permissions**

Users requesting affiliation

Name	Email	Date
User	Confirmed	

Currently no users requesting affiliation with Nokia IP/Optical Networks Labs

Users in Organization

Name	Email	Group	
User			
Greg Hankins ghankins	greg.hankins@alcatel-lucent.com	<input type="text" value="admin"/> member admin	<input type="button" value="Remove"/> <input type="button" value="Save"/>

Change User Access Levels
Admin – Administrator
Member – Delegate Permissions

Remove Users From the Organization
Does not Remove the User Account From PeeringDB

Administrative Permission Delegation

User “equinix-uk” can Manage Several Network Records, but no Exchanges or Facilities

User	Record	Create	Update	Delete
Paul Cairney <paul.cairney@eu.equinix.com> equinix-uk	Network - Equinix Netherlands	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Network - Equinix UK	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Network - Equinix Germany	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Network - Equinix France	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Network - Equinix Switzerland	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Any Exchange	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Raphael Ho <raphael.ho@ap.equinix.com> rho	Network - Equinix Connect	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Any Exchange	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Any Facility	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Any Exchange	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Create – New Entries in Record
Update – Change Existing Entries in Record
Delete – Delete Entries in Record

User “rho” can Manage the “Equinix Connect” Network Record, and Any Exchange or Facility

Network Record Contact Information Permissions

Contact Information

Role	Name	Phone
<input checked="" type="checkbox"/> NOC	Greg Hankins, Alastair	
	Users	as38016@alcatel-lucent.com
<input checked="" type="checkbox"/> Technical	Greg Hankins, Alastair	
	Users	as38016@alcatel-lucent.com

Role: Abuse

Name:

Email: name@example.com

Phone:

Visibility: Private

- Private
- Users
- Public

Separate Visibility Preferences for Each Role

Private – Organization Only

Users – Registered Users Only (Default)

Public – Anyone (no Login Required)

Roles:

Abuse

Policy

Technical

NOC

Public Relations

Sales

Adding Your Network to an IXP or Facility

1. Go to your network record and click on “Edit”
2. Start to type in the name of the IXP and select the IXP
3. If the IXP is missing, contact PeeringDB support
4. Add your IP addresses, port speed, and click the “RS Peer” box if you peer with the route server
5. Finally click on “Add Exchange Point”
 - Use the same procedure for adding a Facility

World Phone Internet Services Pvt. Ltd.

http://www.worldphone.in

18002

http://www.example.com

http://www.example.com

Cable/DSL/ISP

250

0

10-20Gbps

Heavy Inbound

Asia Pacific

Unicast IPv4 Multicast IPv6

2017-06-29T11:54:36Z

Public Peering Exchange Points

Exchange

Local ASN

IPv4

IPv6

Speed (mbit/sec)

RS Peer

Nothing matched your filter
You may filter by Exchange, ASN or Speed

mumbai

Mumbai Internet Exchange IN
Mumbai Convergence Hub : India's Largest Peering Internet Exchange Hub
Mumbai IX (Mumbai CH)

Add Exchange Point

Private Peering Facilities

Facility

Nothing matched your filter
You may filter by Facility, ASN, Country, City

Add Facility

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

- Contact sponsorship@peeringdb.com for sponsorship info

Microsoft	Diamond Sponsor
Organization	Microsoft
Also Known As	8068
Company Website	http://www.microsoft.com
Primary ASN	8075
IRR Record	AS-MICROSOFT

DE-CIX Frankfurt	Platinum Sponsor
Organization	DE-CIX Management GmbH
Long Name	Deutscher Commercial Internet Exchange
City	Frankfurt
Country	DE
Continental Region	Europe



Proud Sponsor of
PeeringDB



Thank you to our sponsors!





Questions?

Information and Resources

- Announce list:
<http://lists.peeringdb.com/cgi-bin/mailman/listinfo/pdb-announce>
- Governance list:
<http://lists.peeringdb.com/cgi-bin/mailman/listinfo/pdb-gov>
- Technical list:
<http://lists.peeringdb.com/cgi-bin/mailman/listinfo/pdb-tech>
- User Discuss list:
<http://lists.peeringdb.com/cgi-bin/mailman/listinfo/user-discuss>
- Docs, presentations, guides, tools:
<http://docs.peeringdb.com/>
- Board and Officers:
stewards@lists.peeringdb.com
- Admins: support@peeringdb.com
- Presentation requests:
productcom@lists.peeringdb.com
- Uptime status:
<http://status.peeringdb.com/>
- Bugs and feature requests:
 <https://github.com/peeringdb/peeringdb/>
- Social media:
 -  [@PeeringDB](https://twitter.com/PeeringDB)
 -  <https://www.facebook.com/peeringdb/>
 -  <https://www.linkedin.com/company/peeringdb>