



PeeringDB

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es.NOG

Grupo de Operadores
de Red Españoles

Agenda

- **PeeringDB 2.0**
- Membership and Governance
- Committees
- Sponsorship
- Information and Resources

What is PeeringDB?

- PeeringDB is the database of peering information on the Internet
- Contains peering location and contact information for
 - Networks
 - Exchanges
 - Facilities
- 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
 - Please update your whois information
 - Please register from a company email address

PeeringDB 2.0 is Here!

- PeeringDB 2.0 launched 15 March, 2016
 - Backend database (1.0) discontinued simultaneously
 - Last legacy SQL dump for public consumption:
<https://peeringdb.com/v1/dbexport/peeringdb.sql>
 - Investigating 404s for old SQL to contact users
 - Questions to support@peeringdb.com
- Challenges during the launch
 - Very minor bug fixes required, but overall a success!
 - Lots of support tickets
 - 20C (developer contractor) very responsive to community - thanks!
- Current release: 2.0.14
- Release 2.1.1 will be out on 12 Apr, 2017

Vital Statistics and Growth

PeeringDB 2.0 Post-Launch (March 15, 2016 through December 31, 2016)



Usage (December 2016)

Total Hits	8,587,768
Avg. Daily Hits	277,024
Unique Hits	61,173

Support Tickets

Total Support Tickets	6,715
Avg. Tickets Per Day	22
Avg. Response Time	Less than 14 Hours

Key New Infrastructure Features

- Complete rewrite in Python
 - Python: fast and clean, widely used and supported
 - HTML5: adaptive design for desktop and mobile
 - Support for a multideveloper environment
- Redesigned schema with data validation
 - All data is permissioned and editable
 - Input validation on fields: IP addresses, email addresses, etc.
 - Validation in PeeringDB record: dropdown box to select ASN at exchange
- Data versioning
 - Revision history for every data change
 - Easy to restore and roll back
 - Historical data import from CAIDA going back to 2010 (not available yet)
- RESTful API
 - Stateless
 - Incremental database syncs
 - With documentation and tools, oh my!

The screenshot shows the PeeringDB interface for the CATNIX record. At the top, there is a search bar and the PeeringDB logo. Below the search bar, the record title 'CATNIX' is displayed. The main content is organized into several sections:

- Organization Details:** A table with fields like Organization (CSUC), Long Name (Catalunya Neutral Internet Exchange), City (Barcelona), Country (ES), Continental Region (Europe), Media Type (Ethernet), and Protocols Supported (Unicast IPv4, Multicast, IPv6).
- Contact Information:** A table with fields like Company Website, Traffic Stats Website, Technical Email, Technical Phone, Policy Email, and Policy Phone.
- LANs:** A table with columns for Name, DOT1Q, and MTU, showing entries for IPv4 and IPv6.
- Local Facilities:** A table with columns for Facility, Country, and City, listing facilities like bitNap Datacenter, CSUC Campus Nord, and Itconic Barcelona.
- Peers at this Exchange:** A list of peer names and ASNs, including Acens Technologies, ADAM, Adamo Telecom Iberia S.A, Altec, bitNAP Datacenter, BT Spain, CATNIX-SERVICES, Claranet, Cloudflare, Colt Technology Services, CSUC, Easynet Global Services, EBRETIC ENGINYERIA SL, and Filnet Serveis i Comunicacions, S.L.

Key New User Features

- Facilities and exchanges can now update their own info
 - Networks are still required to associate their record at a facility or exchange
- Multiple records of any type can be associated with an organization
 - Simpler organization management with a single account for network, facility, exchange records
- One account can manage multiple organizations
 - Manage all of the things with a single account
- Users can manage their accounts
 - Admin account for an organization can delegate fine-grained permissions
- Contact info has permissions
 - Private/users/public permissions
 - All users must register, no more guest account
 - Public view can see all info except contact info (no login needed)
- APIs and local database sync
 - Sync PeeringDB to a local database in any engine format

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

Exchanges are Shown Here
LINX has 6 Exchange Records

Facilities are Shown Here
LINX has 1 Facility

Networks are Shown Here
LINX has 3 Network Records

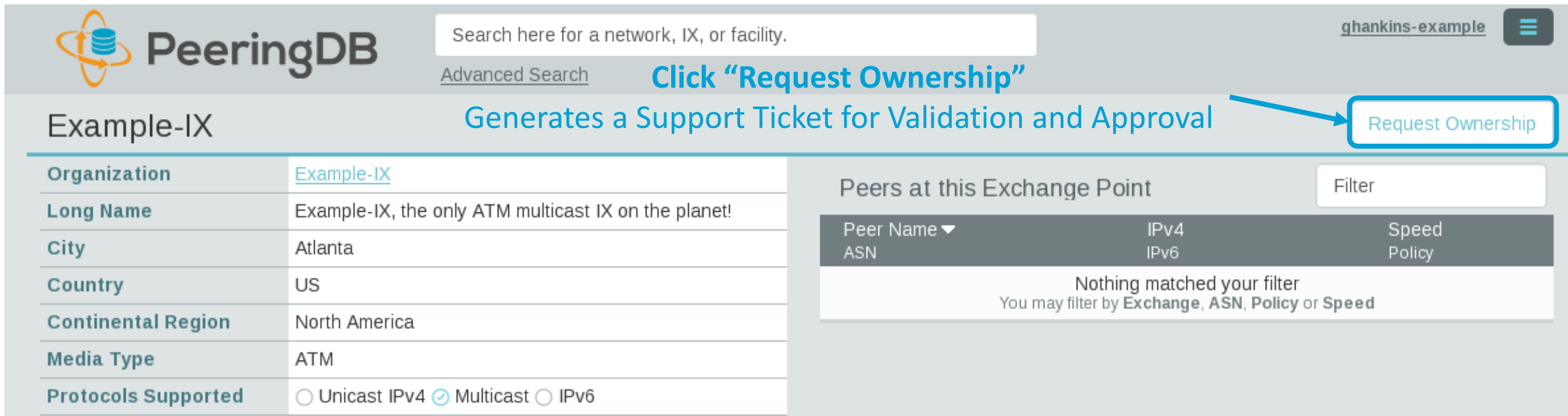
One Account Managing Multiple Organizations

The screenshot shows the PeeringDB website interface. At the top left is the PeeringDB logo. To its right is a search bar with the text "Search here for a network, IX, or facility." and a link for "Advanced Search". In the top right corner, the account name "job" is displayed and circled in blue. Below the search bar is a form titled "Affiliate with Organization". The form contains two input fields: "ASN" and "Organization", followed by an "Affiliate" button. Below the form is a section titled "Existing Affiliations" which lists four approved affiliations: "NTT Communications (Global)", "NLNOG RING", "Netwerkvereniging Coloclue", and "Snijders IT". A blue arrow originates from the circled "job" account name and points to the "Existing Affiliations" section.

**Account "job" is
Affiliated with 4
Organizations**

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. At the top left is the PeeringDB logo. A search bar contains the text "Search here for a network, IX, or facility." To the right of the search bar is the user name "ghankins-example" and a menu icon. Below the search bar, there is a link for "Advanced Search" and a prominent blue text instruction: "Click 'Request Ownership' Generates a Support Ticket for Validation and Approval". A blue arrow points from this instruction to a button labeled "Request Ownership" which is highlighted with a blue border. On the left side, there is a table for the organization "Example-IX". On the right side, there is a section titled "Peers at this Exchange Point" with a "Filter" input field. Below this, a table header shows "Peer Name", "ASN", "IPv4", "IPv6", "Speed", and "Policy". A message below the table states "Nothing matched your filter. You may filter by Exchange, ASN, Policy or Speed".

PeeringDB

Search here for a network, IX, or facility.

ghankins-example

Advanced Search

Click "Request Ownership" 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					

Organization User Management

Approve or Deny Pending Requests
Admins Have Access to Everything

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"/> <input type="text" value="member"/> <input type="text" value="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 Type	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 (Default)

Users – Registered Users Only

Public – Anyone (no Login Required)

Roles:

Abuse

Policy

Technical

NOC

Public Relations

Sales

RESTful API Designed for Automation

- All operations are supported and are designed to be automated
 - Read
 - Create
 - Update
 - Delete
- Each object type has an associated tag
 - org
 - net
 - ix
 - fac
- List of objects: <https://peeringdb.com/apidocs/>
- API documentation: http://docs.peeringdb.com/api_specs/

Quick Examples Return Output in JSON

- List all networks: `curl -X GET https://<username>:<password>@www.peeringdb.com/api/net`
- Show a specific network: `curl -X GET https://<username>:<password>@www.peeringdb.com/api/net/20`

```
{"meta": {}, "data": [{"id": 20, "org_id": 10356, "org": {"id": 10356, "name": "20C", "website": "http://20c.com", "notes": "", "net_set": [20], "fac_set": [], "ix_set": [], "address1": "", "address2": "", "city": "Chicago", "country": "US", "state": "IL", "zipcode": "", "created": "2014-11-17T14:59:34Z", "updated": "2016-03-23T20:39:18Z", "status": "ok"}, "name": "20C", "aka": "", "website": "http://20c.com", "asn": 63311, "... }]
```

More Examples

- List all organisations in ESpaña
 - `curl -X GET https://peeringdb.com/api/org?country=ES`

```
(server0:IXP 33 )curl -s -X GET https://peeringdb.com/api/net?org_id_in=136,9273 | jq '.data[]'
{
  "id": 10505,
  "org_id": 136,
  "name": "ESPANIX Routeserver",
  "aka": "Espanix",
  "website": "http://www.espanix.net",
  "asn": 6895,
  "looking_glass": "",
  "route_server": "",
  "irr_as_set": "",
  "info_type": "Not Disclosed",
  "info_prefixes4": 100000,
  "info_prefixes6": 100000,
  "info_traffic": "300-500 Gbps",
  "info_ratio": "Not Disclosed",
  "info_scope": "Regional",
  "info_unicast": true,
  "info_multicast": false,
  "info_ipv6": true,
  "notes": "",
  "policy_url": "",
  "policy_general": "Open",
  "policy_locations": "Not Required",
  "policy_ratio": false,
  "policy_contracts": "Not Required",
  "created": "2016-06-08T22:39:32Z",
  "updated": "2017-03-13T16:04:27Z",
  "status": "ok"
}
{
  "id": 1616,
  "org_id": 9273,
  "name": "CSUC",
  "aka": "Consorti de Serveis Universitaris de Catalunya",
  "website": "http://www.csuc.cat",
  "asn": 13041,
  "looking_glass": "http://www.catnix.net/looking-glass/",
  "route_server": ""
}
```


More Examples

List all peers at an IXP

Peers at this Exchange Point			Filter
Peer Name ▼	IPv4	Speed	
ASN	IPv6	Policy	
Acens Technologies	193.242.98.9	1G	
16371	None	Open	
ADAM	193.242.98.137	1G	
15699	2001:7f8:2a:0:2:1:1:5699	Open	
Adamo Telecom Iberia S.A	193.242.98.143	10G	
35699	2001:7f8:2a:0:2:1:2:9518	Open	
Altecom (Alta Tecnologia en Comunicacions, S.L.)	193.242.98.4	10G	
16030	2001:7f8:2a:0:1:1:1:6030	Open	
bitNAP Datacenter	193.242.98.160	1G	
43578	2001:7f8:2a:0:3:1:4:3578	Open	
BT Spain	193.242.98.145	1G	
12541	2001:7f8:2a:0:2:2:0:8903	Open	
CATNIX-SERVICES	193.242.98.119	6G	
49638	None	Open	
Claranet	193.242.98.131	1G	
8426	2001:7f8:2a:0:2:1:0:8426	Selective	
Cloudflare	193.242.98.153	10G	
13335	2001:7f8:2a:0:2:1:1:3335	Open	
Colt Technology Services	193.242.98.13	1G	
8220	None	Open	
CSUC	193.242.98.38	10G	
13041	None	Open	
Easynet Global Services	213.234.0.15	1G	
4589	2001:7f8:2a:0:2:1:0:4589	Selective	
EBRETIC ENGINYERIA SL	193.242.98.162	1G	
199496	2001:7f8:2a:0:3:1:19:9496	Open	
Filnet Serveis i Comunicacions, S.L.	193.242.98.136	100M	
	None	Open	







```
(server0:IXP 39 ) curl -s -X GET https://peeringdb.com/api/netixlan\?ixlan_id=62 | jq '.data[]'
{
  "id": 459,
  "net_id": 91,
  "ix_id": 62,
  "name": "CATNIX",
  "ixlan_id": 62,
  "notes": "",
  "speed": 1000,
  "asn": 8220,
  "ipaddr4": "193.242.98.13",
  "ipaddr6": null,
  "is_rs_peer": false,
  "created": "2010-07-29T00:00:00Z",
  "updated": "2016-03-14T21:09:42Z",
  "status": "ok"
}

(server0:nipper 74 ) curl -s -X GET https://peeringdb.com/api/ix\?name=CATNIX&depth=2 | jq '.data[].ixlan_set'
[
  {
    "id": 62,
    "name": "",
    "descr": "",
    "mtu": null,
    "dot1q_support": false,
    "rs_asn": 0,
    "arp_sponge": null,
    "created": "2010-07-29T00:00:00Z",
    "updated": "2016-03-14T21:34:59Z",
    "status": "ok"
  }
]

{
  "id": 572,
  "net_id": 116,
  "ix_id": 62,
  "name": "CATNIX",
  "ixlan_id": 62,
  "notes": "",
  "speed": 1000,
  "asn": 8426,
  "ipaddr4": "193.242.98.131",
  "ipaddr6": "2001:7f8:2a:0:2:1:0:8426",
  "is_rs_peer": false,
  "created": "2010-07-29T00:00:00Z",
  "updated": "2016-07-22T12:34:37Z",
  "status": "ok"
}

{
  "id": 3284,
  "net_id": 1111,
  "ix_id": 62,
  "name": "CATNIX",
  "ixlan_id": 62,
  "notes": "",
  "speed": 1000,
  "asn": 8220,
  "ipaddr4": "193.242.98.13",
  "ipaddr6": "2001:7f8:2a:0:2:1:0:8220",
  "is_rs_peer": false,
  "created": "2010-07-29T00:00:00Z",
  "updated": "2016-07-22T12:34:37Z",
  "status": "ok"
}
```

Status Page

Status	Last 7 Days	Type	04 Apr	03 Apr	02 Apr	01 Apr	31 Mar	30 Mar	29 Mar
	100.00%	Database & API	keyword	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
	100.00%	HTTPS PeeringDB.com	http	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
	99.453%	Offsite Backup Creation	keyword	100.00%	96.168%	100.00%	100.00%	100.00%	100.00%
	99.185%	Outbound Email Delivery	keyword	100.00%	94.297%	100.00%	100.00%	100.00%	100.00%
	100.00%	PeeringDB DeskPRO	http	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
	100.00%	PeeringDB.com ICMP Ping	ping	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%

<http://status.peeringdb.com/>

Beta Development and Reporting Issues

- Beta server
 - Available at <https://beta.peeringdb.com/>
 - Runs the latest beta software version
 - Full access over HTTP and the API
 - Database is local to the beta server only, changes are not reflected on the production servers
- Latest changes
 - Available at <https://beta.peeringdb.com/changes>
 - Redirects to the list of issues on GitHub
 - Documents all of the changes in the current beta version
- Log bugs and feature requests at <https://github.com/peeringdb/peeringdb/issues> on GitHub

Agenda

- PeeringDB 2.0
- **Membership and Governance**
- **Committees**
- **Sponsorship**
- **Information and Resources**

Membership and Governance

- PeeringDB organization formally formed 16 Dec, 2015
- PeeringDB 501(c)(6) filed 7 Jan, 2016 (approved 24 Feb, 2016)
- 2nd election held April 2016: 94 organizations registered, 80 voted
- 3rd election is being held 15 Apr, 2017 until 29 Apr, 2017
- 299 addresses subscribed to the Governance mailing list (as of 17 Oct 2016)
- 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:
 - <http://lists.peeringdb.com/cgi-bin/mailman/listinfo/pdb-gov>
 - More information available at <http://gov.peeringdb.com/>

Board of Directors and Officers



Chris Caputo – Secretary & Treasurer
(Non-Board Member)



Patrick Gilmore – Director
(Term Expires 2017)



Matt Griswold – Director
(Term Expires 2017)



Aaron Hughes – President
(Term Expires 2018)



Arnold Nipper – Director
(Term Expires 2017)



Job Snijders – Vice President
(Term Expires 2018)

Committees

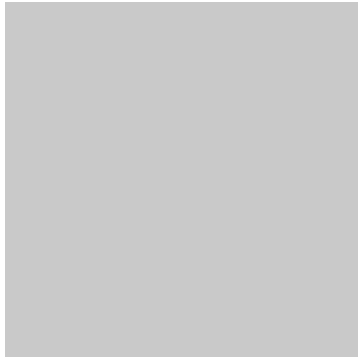
Admin Committee

- Manage administration of user accounts and PeeringDB records
- Answer support tickets
- Board members Job Snijders (Chair) and Arnold Nipper (Vice Chair)
- Seeking 2 community volunteers (1 year term)
- Contact: support@peeringdb.com

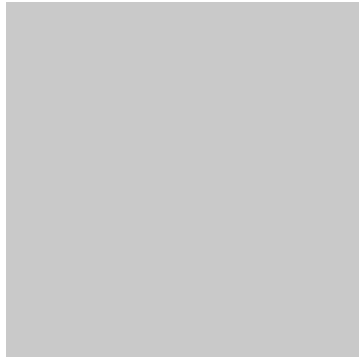
Product Committee

- Ask for input from the community on desired features
- Manage roadmap and development priorities
- Write SoWs to solicit bids to complete requested features
- Board members Aaron Hughes (Chair) and Matt Griswold (Vice Chair)
- Seeking 0 community volunteers (1 year term)
- Contact: productcom@lists.peeringdb.com

Admin Committee



Samer
Abdel-Hafez



Hendrik
Braasch



Kate
Gerry



Peter
Helmenstine



Florian
Hibler



Eric
Lindsjö



Arnold Nipper –
Vice Chair



Eduardo
Ascenço Reis



Job Snijders –
Chair



Michael
Still

PeeringDB 2.0 Support Ticket Statistics

Year	Tickets	Tickets/Day	Resolve Time (d)	Remark
2012	1389	4.09	1.00	
2013	2284	6.34	1.06	
2014	3050	8.47	1.27	
2015	2828	7.86	4.39	
2016	648	8.76	0.53	PeeringDB 1.0
2016	6225	21.84	0.59	PeeringDB 2.0
2017	2274	25.27	1.20	

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

Product Committee



Karthik
Arumugham



Matt Griswold –
Vice Chair



Greg
Hankins



Aaron Hughes –
Chair



Martin J.
Levy



Eric
Loos



Chris
Malayter



Stephen
McManus



Arnold
Nipper



Kay
Rechthien



Walt
Wollny

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!

Diamond
Sponsors



Microsoft

Platinum
Sponsors



Google MARKLEY YAHOO!

Gold
Sponsors

facebook



IX

AUSTRALIA

INTERNET PEERING FOR AUSTRALIA

Silver
Sponsors



DIGITAL REALTY



NIX-CZ



RIPE NCC
RIPE NETWORK COORDINATION CENTRE






workonline
communications



zenlayer

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
 - Bugs and feature requests:
<https://github.com/peeringdb/peeringdb/>
 - Status: <http://status.peeringdb.com/>
-  [@PeeringDB](https://twitter.com/PeeringDB)
-  <https://www.facebook.com/peeringdb/>
-  <https://www.linkedin.com/company/peeringdb>



Questions?

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](#)

Adding a New Exchange to Your Organization

Manage

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

Add a new Exchange to your Organization. Note that the newly created Exchange will need to be approved by PeeringDB staff before it will appear in the search results or the API listings

Submit Exchange

Generates a Support Ticket for Validation and Approval

Enter Exchange Info Here, Then Click "Submit Exchange"

Name	<input type="text"/>
Website	<input type="text" value="http://www.example.com"/>
City	<input type="text"/>
Country	<input type="text" value="United States"/>
Continental Region	<input type="text" value="North America"/>
Media Type	<input type="text" value="Ethernet"/>
Unicast IPv4	<input type="checkbox"/>
Multicast	<input type="checkbox"/>
IPv6	<input type="checkbox"/>
Traffic Stats Website	<input type="text" value="http://www.example.com"/>
Technical E-mail	<input type="text" value="name@example.com"/>
Technical Phone	<input type="text"/>
Policy E-mail	<input type="text" value="name@example.com"/>
Policy Phone	<input type="text"/>

Editing Your Exchange Record

Example-IX Cancel Save

Organization	Example-IX
Long Name	Example-IX, the only ATM multicast IX on the planet!
City	Atlanta
Country	United States
Continental Region	North America
Media Type	ATM
Protocols Supported	<input type="checkbox"/> Unicast IPv4 <input checked="" type="checkbox"/> Multicast <input type="checkbox"/> IPv6
Contact Information	
Company Website	http://www.example.com
Traffic Stats Website	http://www.example.com
Technical Email	name@example.com
Technical Phone	
Policy Email	name@example.com
Policy Phone	

Peers at this Exchange Point Filter

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

Enter Exchange Info Here, Then Click "Save"

Networks are Still Required to Associate their Record at a Facility or Exchange

Editing Your Exchange Record

LANs

Name	DOT1Q	MTU
<input type="checkbox"/> Peering LAN	<input checked="" type="checkbox"/>	9000
<input type="checkbox"/> IPv4	127.0.0.0/8	
<input type="text" value="IPv4"/>	<input type="text" value="Prefix"/>	<input type="button" value="Add"/>

Name:

DOT1Q:

MTU:

Add LAN

Local Facilities

Facility	Country	City
Nothing matched your filter You may filter by Exchange or Long Name		
<input type="text" value="atlanta"/>		
Equinix Atlanta (AT2/3)		56 Marietta St NW
Telx Atlanta		56 Marietta St
Level(3) Atlanta Courtland		345 Courtland St Ne

Enter LAN Info Here
Name – Optional Name
DOT1Q – 802.1Q Tag
MTU
IPv4/IPv6 Addresses

Add Facilities Here
Autocomplete on Existing Facilities, Must Contact Support to Add a New Facility

Local Database Sync

- Database sync gives you a local copy of PeeringDB for customization or internal use
 - Sync as often as you like
 - Incremental sync is supported
- Improves performance and reduces load on PeeringDB servers
- Build custom indexes and interfaces
- Add custom fields
- Choice of database engines
 - Currently supported: MySQL, Postgres, SQLite
- Sync using the provided tools or build your own using the API

Django Library

- django-peeringdb is a Django library with a local PeeringDB database sync
- Defines the database schema to create a local database copy
- Easy to integrate in a common framework for locals tools and custom interfaces
- Supports multiple database engines (MySQL, Postgres, SQLite)
- Available at <http://peeringdb.github.io/django-peeringdb/>

Python Client

- peeringdb-py is a Python client for PeeringDB
- Gets objects and outputs in JSON or YAML format
- Provides a whois-like display of records
- Integrated local database sync
- Python library for integration with custom tools
- Available at <http://peeringdb.github.io/peeringdb-py/>
- Examples at <https://github.com/grizz/pdb-examples>