



**PeeringDB**

# Introduction & Update

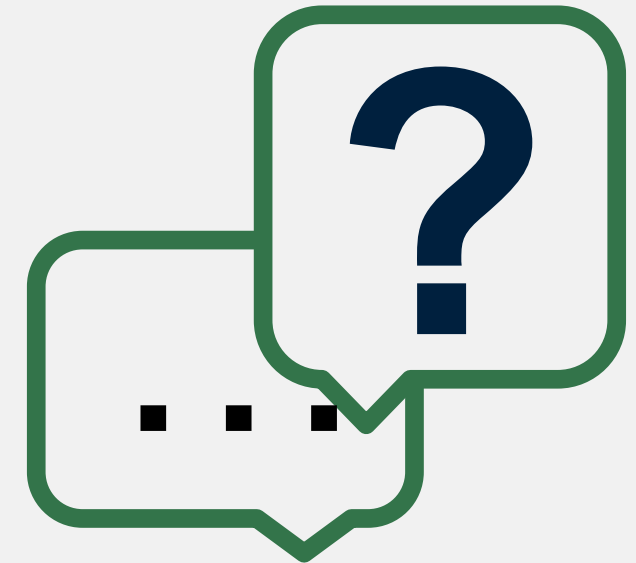
Arnold Nipper, [arnold@peeringdb.com](mailto:arnold@peeringdb.com)



# 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 Carrier, 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 an email address associated with your ASN /company



# What is PeeringDB?

Why should my carrier, exchange, network or facility 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
  - 493 addresses subscribed to the Governance mailing list (as of July 5, 2024)
  - Elections every year, renewing half of the board
  - Governance list is at <https://lists.peeringdb.com/cgi-bin/mailman/listinfo/pdb-gov>
  - More information available at <https://docs.peeringdb.com/gov/>

# Board of Directors and Officers



Chris Caputo – Secretary and Treasurer (Officer)



Aaron Hughes – Vice President (Term Expires 2026)



Rahul Makhija – Director (Term Expires 2025)



Christopher Malayter – President (Term Expires 2025)



Livio Morina – Director (Term Expires 2025)



Job Snijders – Director (Term Expires 2026)

# Committees

## Admin Committee

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

Leads: Chriztoffer Hansen (Chair) and Peter Helmenstine (Vice Chair)  
Contact: [admincom@lists.peeringdb.com](mailto:admincom@lists.peeringdb.com)

## Operations Committee

- Manage PeeringDB infrastructure

Leads: Job Snijders (Chair) and Aaron Hughes (Vice Chair)  
Contact: [pdb-ops@lists.peeringdb.com](mailto: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](mailto:outreachcom@lists.peeringdb.com)

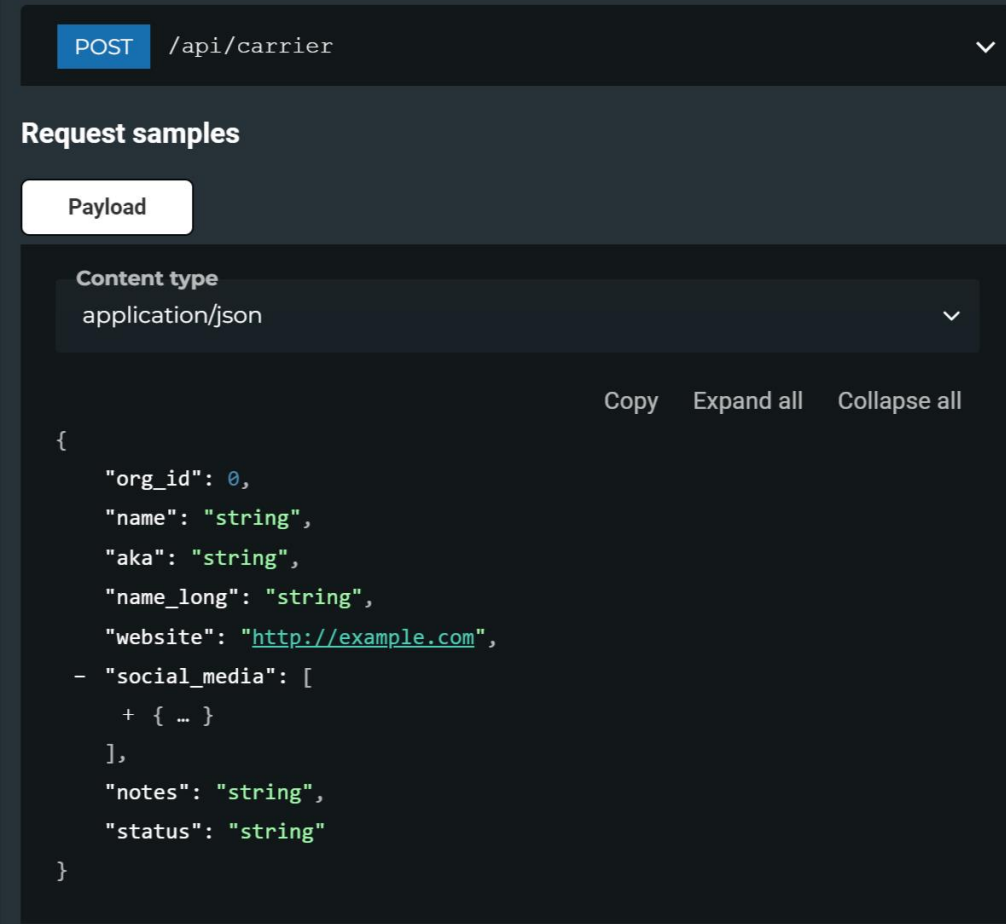
## Product Committee

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

Leads: Jack Carozzo (Chair) and Matt Griswold (Vice Chair)  
Product Manager: Leo Vegoda  
Contact: [productcom@lists.peeringdb.com](mailto:productcom@lists.peeringdb.com)

# How to access PeeringDB?

- Provides a GUI and an API
- The GUI nicely puts together what you can retrieve via the API separately
- The API is useful for automating and mass info retrieval
  - See <https://www.peeringdb.com/apidocs/> for more information



POST /api/carrier

Request samples

Payload

Content type  
application/json

Copy Expand all Collapse all

```
{
  "org_id": 0,
  "name": "string",
  "aka": "string",
  "name_long": "string",
  "website": "http://example.com",
  "social_media": [
    + { ... }
  ],
  "notes": "string",
  "status": "string"
}
```

# Your profile: <https://www.peeringdb.com/profile>



PeeringDB

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

anipper

English (English)

You have confirmed your email address!

### Set primary organization

DE-CIX Group AG   
[Save](#)

### Delete Affiliation

DE-CIX Group AG   
[Delete](#)

### 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).

Affiliation is your own organisation. That means you are an employee or otherwise working for the organisation. The affiliation request is sent to [support@peeringdb.com](mailto:support@peeringdb.com) if no one is affiliated to the organisation yet. Otherwise, the admins are contacted. Only affiliate once per organisation. If you don't get an answer within a couple of days, please contact [support@peeringdb.com](mailto:support@peeringdb.com).

ASN  
Organization  
[Affiliate](#)

In case the RIR entry cannot be retrieved for your ASN, please contact [support@peeringdb.com](mailto:support@peeringdb.com) for assistance.

### Existing affiliations

Your affiliation with [SwissIX Internet Exchange](#) has been approved.

Your affiliation with [DE-CIX Group AG](#) has been approved.

### Select language

English (English)   
[Set language preference](#)

### Account Security

[Manage Two-Factor Authentication](#)

### Email addresses

arnold.nipper@de-cix.net (Primary) [Remove](#)  
arnold.nipper@swissix.ch [Set as primary](#) [Remove](#)

For speedy validation, it is required that you use a work e-mail address. If you plan to register your ASN with PeeringDB, it is recommended that you use an email-address that exists in the ASN's public contact details.

name@example.com Password

Set as primary email address

[Add email address](#)

### Change password

Current Password   
Password   
Password Verification



# Network: <https://www.peeringdb.com/net/9692>

## RISE.ph

Organization	RISE.ph
Also Known As	RISE
Long Name	
Company Website	<a href="https://rise.ph/">https://rise.ph/</a>
ASN	63927
IRR as-set/route-set ?	APNIC::AS63927:AS-CUSTOMERS
Route Server URL	
Looking Glass URL	<a href="https://lg.rise.ph/">https://lg.rise.ph/</a>
Network Types	Cable/DSL/ISP
IPv4 Prefixes ?	3000
IPv6 Prefixes ?	100
Traffic Levels ?	500-1000Gbps
Traffic Ratios	Mostly Inbound
Geographic Scope	Regional
Protocols Supported	<input checked="" type="checkbox"/> Unicast IPv4 <input type="checkbox"/> Multicast <input checked="" type="checkbox"/> IPv6 <input type="checkbox"/> Never via route servers ?
Last Updated	2024-03-14T02:58:54Z
Public Peering Info Updated	2024-03-14T02:58:52Z
Peering Facility Info Updated	2023-12-10T22:29:03Z
Contact Info Updated	2023-09-01T05:07:22Z
Notes ?	
RIR Status	ok
RIR Status Updated	2024-04-24T04:24:35Z

## Public Peering Exchange Points

Exchange AZ v IPv4	ASN IPv6	Speed	RS Peer	BFD Support
27.111.228.206	2001:de8:4::6:3927:1			
<a href="#">GetaFIX Cebu</a> 116.89.244.3	63927 2401:fdc0:0:1:0:6:3927:1	10G	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<a href="#">GetaFIX Cebu</a> 116.89.244.4	63927 2401:fdc0:0:1:0:6:3927:2	10G	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<a href="#">GetaFIX Manila</a> 103.104.19.5	63927 2401:fdc0::6:3927:1	100G	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<a href="#">GetaFIX Manila</a> 103.104.19.20	63927 2401:fdc0::6:3927:3	100G	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<a href="#">GetaFIX Manila</a> 103.104.19.23	63927 2401:fdc0::6:3927:2	100G	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<a href="#">GIX</a> 45.114.21.230	63927	1G	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<a href="#">JPNAP Tokyo</a> 210.173.177.124	63927 2001:7fa:7:1:0:6:3927:1	10G	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<a href="#">LINX LON1</a> 195.66.227.11	63927 2001:7f8:4::f9b7:1	500M	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<a href="#">MegalX Singapore</a> 103.41.12.39	63927 2001:ded::27	10G	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<a href="#">Netnod Stockholm BLUE -- MTU1500</a> 194.68.128.5	63927 2001:7f8:d:fe::5	100M	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<a href="#">Netnod Stockholm</a>	63927	100M	<input checked="" type="checkbox"/>	<input type="checkbox"/>

## Interconnection Facilities

Facility AZ v ASN	Country City
<a href="#">CoreSite - Los Angeles (LA2)</a> 63927	United States of America Los Angeles
<a href="#">Digital Edge MNL1 (NARRA1) - Manila</a> 63927	Philippines Binan Laquna

## Peering Policy Information

Peering Policy	
General Policy	Open
Multiple Locations	Not Required
Ratio Requirement	No

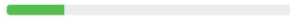
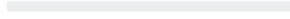

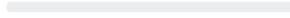
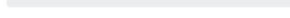

# API

```
(mail2:nipper 1935 ) curl -sG https://www.peeringdb.com/api/net/9692 --data-urlencode depth=0 | jq '.data[]'
```

```
{
  "id": 9692,
  "org_id": 13661,
  "name": "RISE.ph",
  "aka": "RISE",
  "name_long": "",
  "website": "https://rise.ph/",
  "social_media": [
    {
      "service": "website",
      "identifier": "https://rise.ph/"
    }
  ],
  "asn": 63927,
  "looking_glass": "https://lg.rise.ph/",
  "route_server": "",
  "irr_as_set": "APNIC::AS63927:AS-CUSTOMERS",
  "info_type": "Cable/DSL/ISP",
  "info_types": [
    "Cable/DSL/ISP"
  ],
  "info_prefixes4": 3000,
  "info_prefixes6": 100,
  "info_traffic": "500-1000Gbps",
  "info_ratio": "Mostly Inbound",
  "info_scope": "Regional",
  "info_unicast": true,
  "info_multicast": false,
  "info_ipv6": true,
  "info_never_via_route_servers": false,
  "ix_count": 19,
  "fac_count": 17,
  "notes": "",
  "netixlan_updated": "2024-03-14T02:58:52Z",
  "netfac_updated": "2023-12-10T22:29:03Z",
  "poc_updated": "2023-09-01T05:07:22Z",
  "policy_url": "",
  "policy_general": "Open",
  "policy_locations": "Not Required",
  "policy_ratio": false,
  "policy_contracts": "Not Required",
  "allow_ixp_update": false,
  "status_dashboard": "",
  "rir_status": "ok",
  "rir_status_updated": "2024-04-24T04:24:35Z",
  "created": "2016-02-29T02:33:08Z",
  "updated": "2024-03-14T02:58:54Z",
  "status": "ok"
}
```

# Product Development Workflow

- All issues tracked using GitHub at <https://github.com/peeringdb/peeringdb/issues>
  - Anyone can open a feature requests or file a bug report
  - Open and transparent process for product development
  - Workflow is at <http://docs.peeringdb.com/workflow/>
- Product Committee issue process
  - Evaluate and prioritize the requests
  - Request a quote for development costs
  - Request budget from the board
  - Manage implementation and scheduling
- Your input is needed on features!

<b>1 Decide</b> No due date ⌚ Last updated 3 days ago Issues under Decide queue. Issues are kept in Decide while the Product Committee discusses the issue. Next milestone is "Consensus Reached"	 12% complete 128 open 19 closed <a href="#">Edit</a> <a href="#">Close</a> <a href="#">Delete</a>
<b>2 Consensus Reached</b> No due date ⌚ Last updated 3 days ago Issues that are in the Consensus queue. When a decision is made abo...(more)	 0% complete 6 open 0 closed <a href="#">Edit</a> <a href="#">Close</a> <a href="#">Delete</a>
<b>3 Consensus Finalized</b> No due date ⌚ Last updated 1 day ago When an issue is at milestone "Consensus reached" PC members have t...(more)	 100% complete 0 open 2 closed <a href="#">Edit</a> <a href="#">Close</a> <a href="#">Delete</a>
<b>3a Needs Implementation discussion</b> No due date ⌚ Last updated 6 days ago	 0% complete 5 open 0 closed <a href="#">Edit</a> <a href="#">Close</a> <a href="#">Delete</a>
<b>4 Ready for Implementation</b> No due date ⌚ Last updated 1 day ago Last milestone before milestone "Next release". The predecessor is "Consensus Finalized".	 0% complete 22 open 0 closed <a href="#">Edit</a> <a href="#">Close</a> <a href="#">Delete</a>
<b>Next Release</b> No due date ⌚ Last updated 5 days ago	 80% complete 3 open 12 closed <a href="#">Edit</a> <a href="#">Close</a> <a href="#">Delete</a>

# Release Process

- Announced at least one week in advance with all changes to give the community notice
  - Beta site is already running the development version for testing
  - Announced on PDB Announce list, Twitter, Facebook
- Released on Wednesdays at 0400Z and avoids
  - Mondays and Fridays
  - International holidays
  - Large conferences and events (APRICOT, EPF, GPF, NANOG, RIPE, etc.)
- List of current changes (release notes) for each version are on GitHub at <https://github.com/peeringdb/peeringdb/milestones>

# Beta Development

- 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
- Anyone can log bugs and feature requests in GitHub at <https://github.com/peeringdb/peeringdb/issues>



# Updates

## News from the Frontlines

- Web UI design changes
- New KMZ export feature
- Improved search
- Beta testing
- Call for Volunteers

peeringdb / peeringdb

Code Issues 170 Pull requests 1 Discussions Actions Projects 4 Wiki Security 19 Insights

Filters is:issue is:open sort:comments-desc Labels 22 Milestones 6 New issue

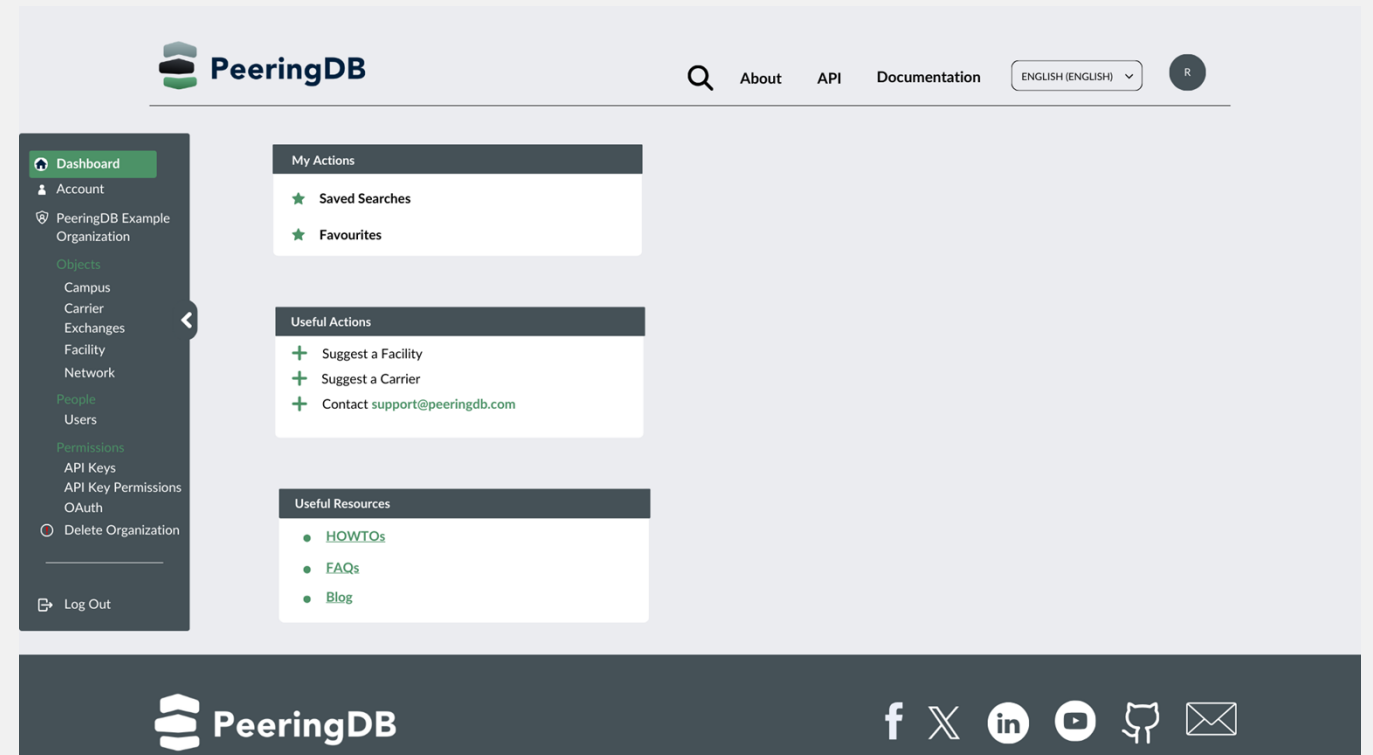
Clear current search query, filters, and sorts

Issue	Author	Label	Projects	Milestones	Assignee	Sort
170 Open ✓ 1,083 Closed						
Allow facilities to remove objects from locations <b>Time:Major</b>						70
#1366 opened on Apr 5, 2023 by grizz 4 Ready for Impl...						
Add location of Physical IX-Port & Router Port <b>enhancement</b> <b>Time:Major</b>						64
#607 opened on Dec 12, 2019 by JGrondel 3a Needs Imple...						
Add 'recommended_routerserver_asn' to ix object <b>Time:Minor</b>						43
#734 opened on Jun 2, 2020 by job 3a Needs Imple...						
Enhancing Facility Ownership Record with Fiber Optic Electronic "Lobby Directory" <b>enhancement</b>						41
#1131 opened on Mar 19, 2022 by martinhanigan 1 Decide						
Enable non-disclosure of the number of "IPv4 Prefixes" and/or "IPv6 Prefixes" in the net object						34
#1547 opened on Feb 12 by jayb-github 3a Needs Imple...						

# Web UI

## Planned Improvements

- Better device presentation
- Dashboard options
- Lazy loading



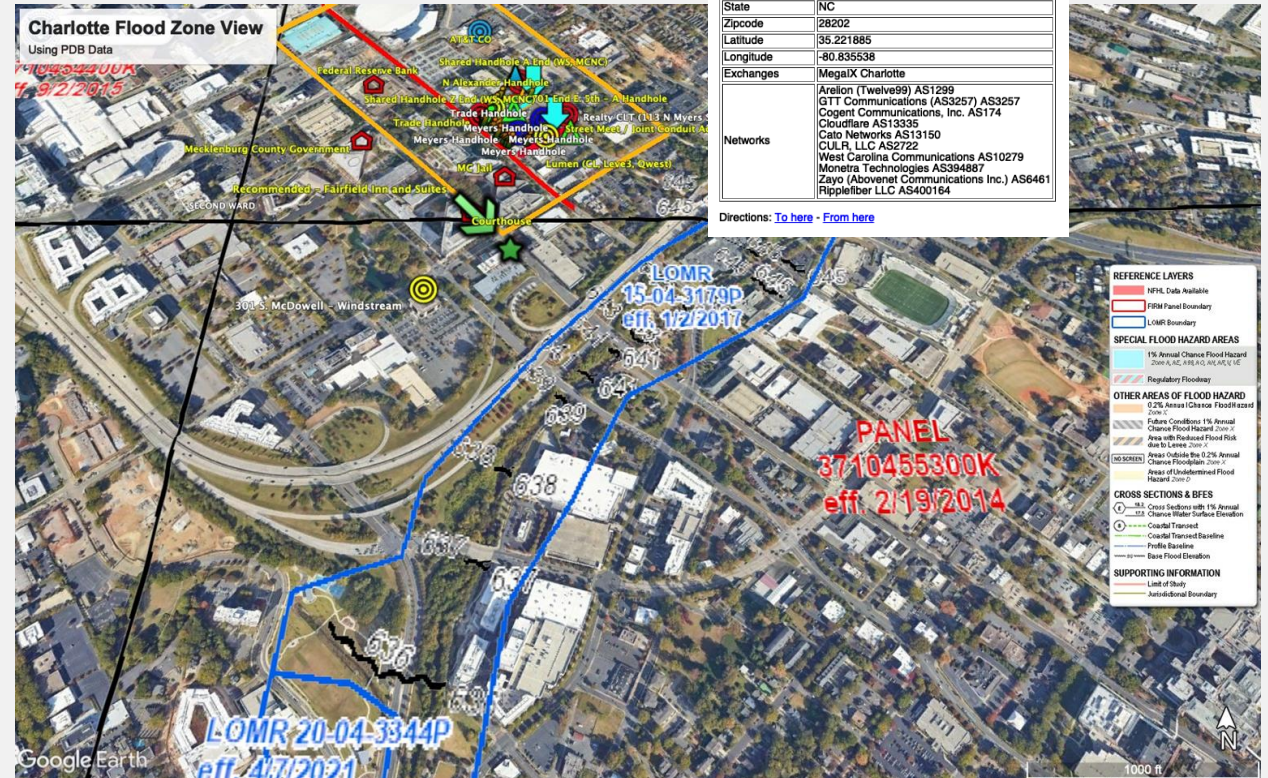
# New KMZ Features

## Facility Data

- Locations and metadata
- Exported daily
- Importable to Google Maps

## Later this year

- Export searches to KMZ
- Improved visual attributes



Digital Realty CLT (113 N Myers St)	
Id	4770
Org_Id	8592
Org_Name	Digital Realty
Name	Digital Realty CLT (113 N Myers St)
Website	<a href="https://www.digitalrealty.com">https://www.digitalrealty.com</a>
Net_Count	10
Ix_Count	1
Region_Continent	North America
Created	2017-12-21T19:12:54Z
Updated	2019-04-09T04:49:26Z
Status	ok
Address1	113 North Myers Street
City	Charlotte
Country	US
State	NC
Zipcode	28202
Latitude	35.221885
Longitude	-80.835538
Exchanges	MegalIX Charlotte
Networks	Arelion (Twelve99) AS1299 GTT Communications (AS3257) AS3257 Cogent Communications, Inc. AS174 Cloudflare AS13335 Cato Networks AS13150 CULR, LLC AS2722 West Carolina Communications AS10279 Monstra Technologies AS39487 Zayo (Abovetel Communications Inc.) AS6461 Rippletel LLC AS400164



# Search (pending release)

## Search is getting better

- Location support
- Object type searching
- Boolean operators
- Refined results

The screenshot shows the PeeringDB search interface. At the top left is the PeeringDB logo. To its right is a search input field containing 'net in charlotte, nc'. Below the input field are two tabs: 'Advanced Search' (selected) and 'Legacy Search'. In the top right corner, there is a user profile 'marty' with a dropdown menu icon and a language selector set to 'English (English)'. A light blue banner below the search bar reads: 'You are using our new beta search interface. [Click here](#) to return to the old interface. [Click here](#) to provide feedback.'

Below the banner, the search results are displayed for 'net in Charlotte, US within 52km'. The results are organized into four columns:

- Exchanges (4)**
  - [Global Peer Exchange](#)
  - [MegalX Charlotte](#)
  - [Ninja-IX Charlotte](#)
  - [Statewide NC-IX](#)
- Networks (6)**
  - [Cato Networks \(13150\)](#)
  - [GTT Communications \(AS3257\) \(3257\)](#)
  - [Hurricane Electric \(6939\)](#)
  - [Monetra Technologies \(394887\)](#)
  - [Tier.Net Technologies LLC \(397423\)](#)
  - [Zayo \(Abovenet Communications Inc.\) \(6461\)](#)
- Facilities (2)**
  - [Carolina Internet / CaroNet](#)
  - [Carolina Internet / CaroNet XB](#)
- Organizations (0)**
- Campus (0)**
- Carriers (0)**

# We Need Beta Testers

## Consider using the Beta environment as default

- Just over half a percent of users visit [beta.peeringdb.com](https://beta.peeringdb.com) each month
  - We recognize that there are good and bad reasons for this!
- As of release 2.57.0, [beta.peeringdb.com](https://beta.peeringdb.com) refreshes once an hour
- Early access to improvements
- Easy feedback mechanism
- Try it at <https://beta.peeringdb.com>
  
- Contact us at [pc@peeringdb.com](mailto:pc@peeringdb.com) with any questions

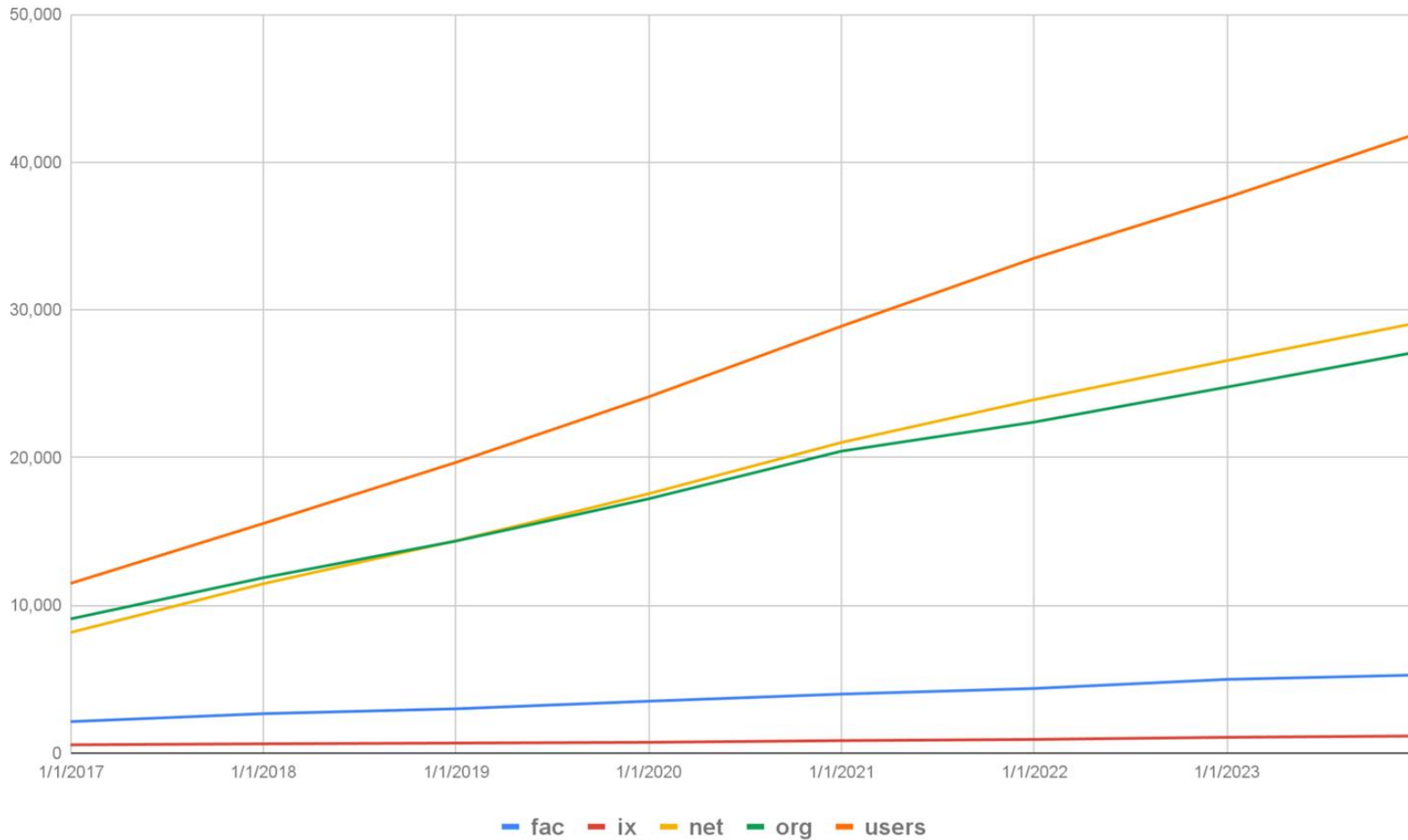
# Call for Volunteers

- **Admin Committee**

- Answer user support questions
- Suggest improvements based on experience
- Only apply if you have free slots at least four days the week for 15 minutes

Email us at [admincom@lists.peeringdb.com](mailto:admincom@lists.peeringdb.com) for more info.

# Tracking Growth



## End of 2023, and growth on 2022

- Facilities: 5,282
  - 6% increase
- IXs: 1,152
  - 8% increase
- Networks: 29,148
  - 10% increase
- Orgs: 27,174
  - 10% increase
- Users: 41,975
  - 10% increase

# South-East Asia from PeeringDB POV

CC	IXP/OP	ASN	LASN	Colo/OP	ASN	LASN	TASN	TLASN	PDB	RIR	%
BN	1/1	7	2	4/2	1	1	7	2	4	10	40,0
ID	61/38	958	912	167/94	764	711	1056	985	1280	3400	37,6
KH	4/4	45	32	10/7	14	10	48	33	59	143	41,3
LA	0/0	0	0	3/3	0	0	0	0	7	37	18,9
MM	2/1	27	20	6/5	3	2	27	20	63	160	39,4
MY	7/5	133	86	38/21	138	80	177	102	131	374	35,0
PH	14/11	120	81	18/6	106	59	143	85	161	594	27,1
SG	11/11	639	76	48/31	639	61	866	89	168	675	24,9
TH	12/9	137	70	35/20	119	66	168	84	111	617	18,0
VN	3/1	11	8	9/5	17	3	28	11	46	880	5,2

**LASN: Local ASN, ie. ASN in CC**    **TASN: Total ASN (IXP + Colo)**    **TLASN: Total Local ASN**

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Platinum  
Sponsors



Meta

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TELEHOUSE



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