



PeeringDB

PDB 101 in 20 Minutes

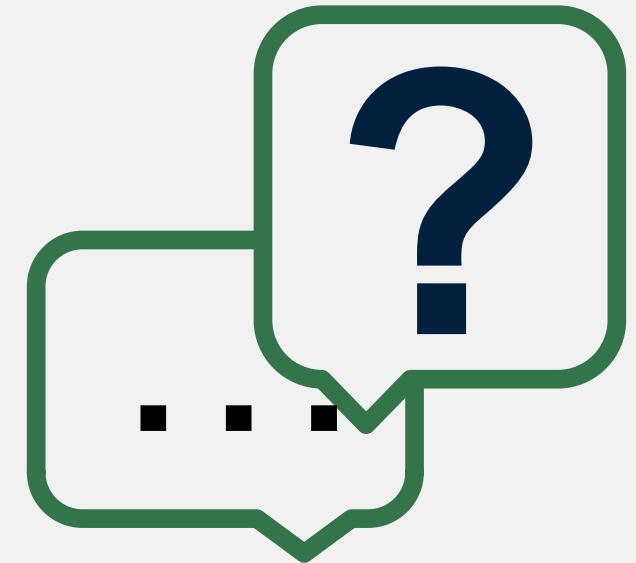
Arnold Nipper, arnold@peeringdb.com



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
 - 496 addresses subscribed to the Governance mailing list (as of September 25, 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/>

PeeringDB is Open Source Software!

- Open source release announcement on 2018-11-10
 - Released under the 2-Clause BSD License:
<https://opensource.org/licenses/BSD-2-Clause>
- Beneficial to the peering and interconnection community by promoting innovation
 - Allows volunteers to contribute
 - Makes it easier for third parties to bid on new features specified by the Product Committee
 - A processes for accepting contributions will be announced
- Source code is available on GitHub:
<https://github.com/peeringdb/peeringdb>

Board of Directors and Officers



Shawna Bong – Secretary and Treasurer (Officer)



Aaron Hughes – Vice President (Term Expires 2026)



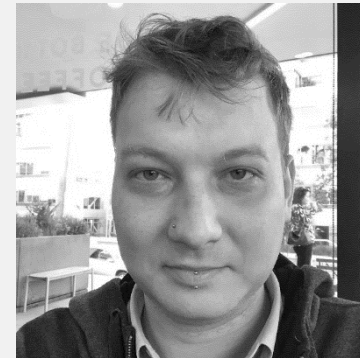
Rahul Makhija – Director (Term Expires 2025)



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

Operations Committee

- Manage PeeringDB infrastructure

Leads: Job Snijders (Chair) and Aaron Hughes (Vice Chair)
Contact: 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

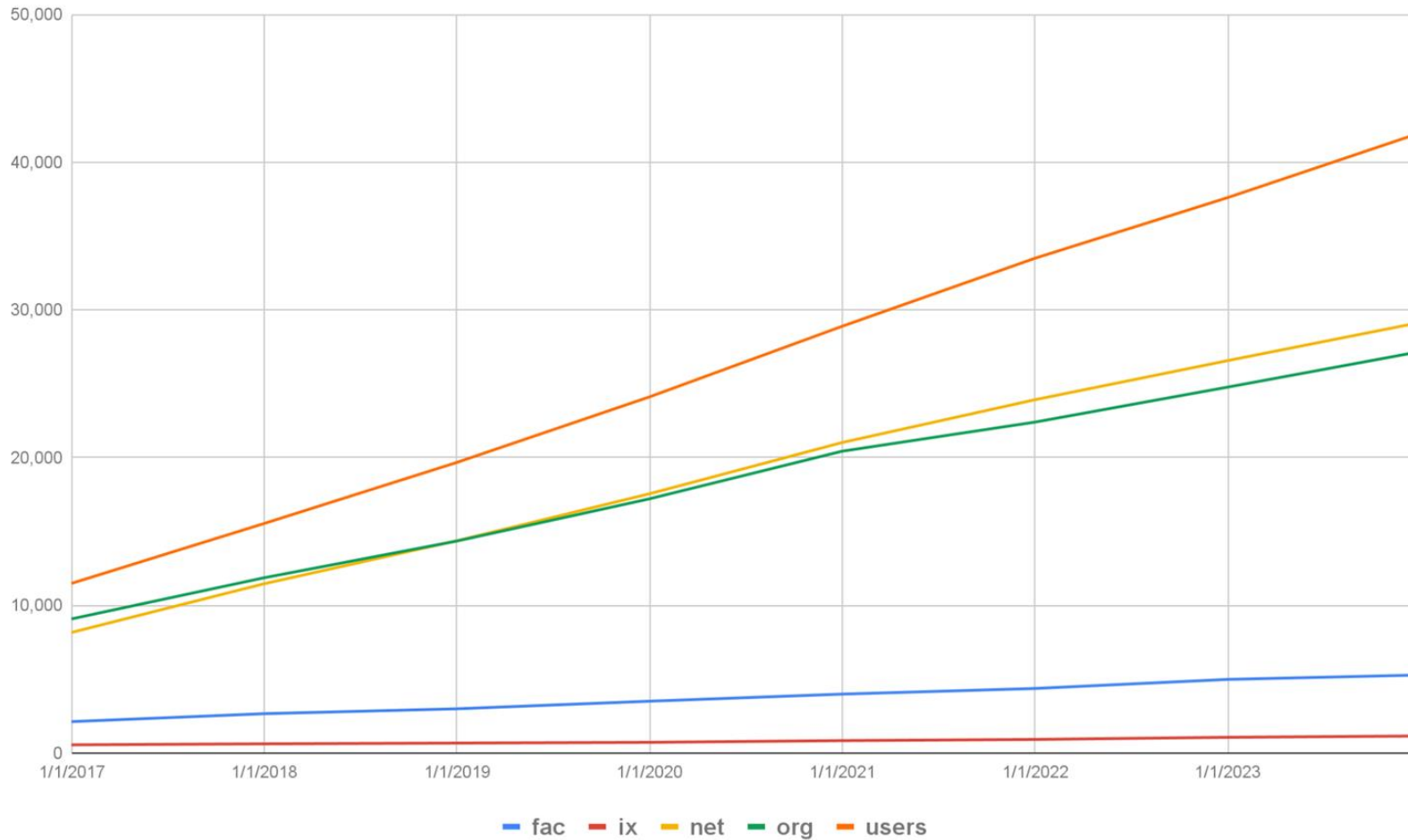
Leads: Ben Ryall (Chair)
Contact: outreachcom@lists.peeringdb.com

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

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

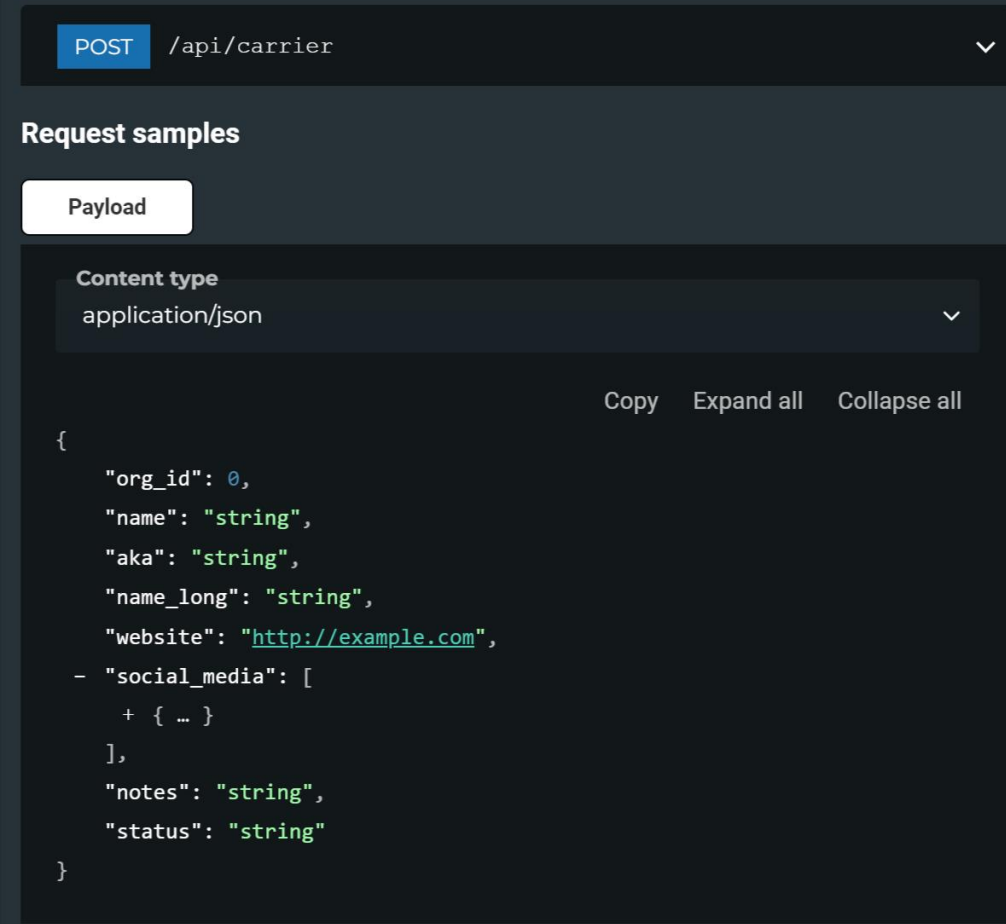
South-East Asia from PeeringDB POV

CC	IXP/OP	ASN	LASN	Colo/OP	ASN	LASN	TASN	TLASN	PDB	RIR	%
BN	1/1	11	2	4/2	1	1	11	2	4	10	40,0 %
ID	63/39	1003	956	173/97	807	754	1102	1030	1398	3500	39,9 %
KH	4/4	45	32	10/7	14	10	48	33	61	141	43,3 %
LA	0/0	0	0	3/3	0	0	0	0	8	37	21,6 %
MM	2/1	31	23	6/5	3	2	31	23	65	164	39,6 %
MY	7/5	134	85	38/21	146	82	182	102	142	379	37,5 %
PH	14/11	134	92	26/8	113	65	157	96	182	606	30,0 %
SG	11/11	641	75	48/31	634	61	866	88	168	682	24,6 %
TH	12/9	138	71	36/20	123	68	169	84	113	621	18,2 %
TL	0/0	0	0	0/0	0	0	0	0	4	14	28,6 %
VN	3/1	11	8	9/5	19	5	29	12	47	881	5,3 %

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

How to access PeeringDB?

- Provides a GUI and an API
- The GUI nicely puts together all the DB objects
 - See <https://docs.peeringdb.com/howtos/> for more information on the GUI
- The API is useful for automating and mass info retrieval
 - See <https://www.peeringdb.com/apidocs/> for full documentation of the API



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"
}
```

https://www.peeringdb.com/register



Search here for a network, IX, or facility.

[Advanced Search](#)

[Legacy Search](#)

[Register](#)

[Login](#)

English (English)

Create account

Username 

Password

Confirm password 

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 your ASN's public contact details.

Email

First name

Last name

I'm not a robot



reCAPTCHA
Privacy - Terms

[Create](#)

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 your ASN's public contact details.

Every user has to register on its own, As a user may belong to many organisations.

The first user of an organisation is approved by PeeringDB which becomes the admin. Additional users are approved by the admin. Those users also may become admins.

Untuk validasi yang cepat, Anda diharuskan menggunakan alamat email kantor. Jika Anda berencana untuk mendaftarkan ASN Anda dengan PeeringDB, sebaiknya Anda menggunakan alamat email yang tercantum dalam detail kontak publik ASN Anda.

https://www.peeringdb.com/account/login/

[Advanced Search](#)

[Legacy Search](#)

Login

Enter your credentials.

Username 

Password

[I forgot my password ..](#)

[I forgot my username ..](#)

[Back](#)

[Next](#)

For **password-less** authentication leave the password field empty and make sure your registered U2F FIDO security key is available / connected.

English (English)

Czech (česky)

German (Deutsch)

Greek (Ελληνικά)

English (English)

Spanish (español)

French (français)

Italian (italiano)

Japanese (日本語)

Occitan (occitan)

Portuguese (Português)

Romanian (Română)

Russian (Русский)

Simplified Chinese (简体中文)

Traditional Chinese (繁體中文)

I forgot my password

I forgot my username

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



[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 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.

ASN

Organization

[Affiliate](#)

In case the RIR entry cannot be retrieved for your ASN, please contact 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.

Set as primary email address

[Add email address](#)

Change password

Current Password

Password

Password Verification




Your organisation

- The root
- Starting point for managing your org, e.g. users
- You can go to your organisation from the menu right to your username in the upper right corner

PT DE-CIX Indonesia Pratama Platinum Sponsor Edit

Some of the data on this page is incomplete, please update the fields marked with to improve data quality.

Also Known As	DE-CIX Indonesia
Long Name	PT DE-CIX Indonesia Pratama
Website	https://de-cix.net/en/locations/jakarta
Address 1	Wisma 46 Kota BNI
Address 2	Jl Jenderal Sudirman Kav 1 Karet Tengsin Tanah Abang
Floor	11
Suite	Suite 11-08
Location	Jakarta, , 10220
Country Code	Indonesia
Geocode	-6.203734, 106.8186933
Last Updated	2024-06-25T14:51:13Z
Notes ?	
Logo ?	

Facilities Filter

Name AZ ▼	Country City
No filter matches. You may filter by Name , Country or City .	

Networks Filter

Name AZ ▼	ASN
DE-CIX Jakarta Route Servers	9748
DE-CIX MAPS Jakarta Route Servers	152587

Exchanges Filter

Name AZ ▼	Country City
DE-CIX Jakarta	Indonesia Jakarta

Carriers Filter

Name AZ ▼
No filter matches. You may filter by Name

Campuses Filter

Name AZ ▼

anipper ☰ ▼

- SwissIX Internet Exchange
- DE-CIX Group AG
- DE-CIX Interwire Internet Services Pvt Ltd
- DE-CIX Asia PTE. LTD.
- PT DE-CIX Indonesia Pratama
- Suggest Facility
- Profile
- Logout

More on organisation

- Here you can add **own facilities, own IXP, own carriers, additional networks, and group facilities to campuses**
- In most cases you are here for approving users and managing their permissions

Manage

[Add Facility](#)[Add Network](#)[Add Exchange](#)[Add Carrier](#)[Add Campus](#)[Users](#)[Permissions](#)[API Keys](#)[API Key Permissions](#)

Name

Website

ASN

IRR as-set/route-set

Network Types

Traffic Levels ?

Only use this if you own the network

Add a new Network to your Organization.

We will attempt to automatically verify your address in the ASN's RiR entry.

In case of verification failure the network will not appear in the search results or the API list.

[Submit Network](#)

Network: <https://www.peeringdb.com/net/12034>

DE-CIX Jakarta Route Servers

Platinum Sponsor

Edit

EXPORT

Organization	PT DE-CIX Indonesia Pratama
Also Known As	
Long Name	
Company Website	https://www.de-cix.net/en/locations/jakarta
ASN	9748
IRR as-set/route-set ?	APNIC::AS9748:AS-DECIX-JKT
Route Server URL	https://www.de-cix.net/en/locations/jakarta/route-server-guide
Looking Glass URL	https://lg.de-cix.net
Network Types	Route Server
IPv4 Prefixes ?	250000
IPv6 Prefixes ?	90000
Traffic Levels ?	Not Disclosed
Traffic Ratios	Balanced
Geographic Scope	Asia Pacific
Protocols Supported	<input checked="" type="radio"/> Unicast IPv4 <input type="radio"/> Multicast <input checked="" type="radio"/> IPv6 <input type="radio"/> Never via route servers ?
Last Updated	2024-09-20T10:24:12Z
Public Peering Info Updated	2024-06-27T16:57:45Z
Peering Facility Info Updated	
Contact Info Updated	2024-03-22T10:01:31Z
Notes ?	DE-CIX Jakarta Route Servers

Public Peering Exchange Points

Filter

Exchange AZ v IPv4	ASN IPv6	Speed	RS Peer	BFD Support
DE-CIX Jakarta 103.159.71.124	9748 2001:df5:7880::2614:a:1	10G	<input type="radio"/>	<input type="radio"/>
DE-CIX Jakarta 103.159.71.125	9748 2001:df5:7880::2614:a:2	10G	<input type="radio"/>	<input type="radio"/>

Interconnection Facilities

Filter

Facility AZ v ASN	Country City
----------------------	-----------------

No filter matches.
You may filter by **Facility**, **ASN**, **Country** or **City**.

Point of Contacts (poc) // Network Object

- Roles

- Abuse
- Maintenance
- NOC
- Policy
- Public Relations
- Sales
- Technical

Contact Information

Some of this network's contacts are hidden because they are only visible to authenticated users and you are currently not logged in.

Role <small>A-Z</small> ▾	Name	Phone <small>?</small> E-Mail
Abuse	Abuse <small>👁</small>	abuse@de-cix.net

- You need a NOC/Technical contact when adding a connection to an IX
- Visibility
 - Public; everyone can see the contact
 - Users; only logged in users can see the contact

Adding a connection to an IXP

- Log in to PeeringDB as admin
- Go to your network
 - Either via your org object
 - Or search for your ASN (prefix it with „as“)
- Click on „Edit“ in the upper right corner
- Start typing in the name of the IXP and select
- Fill in IP addresses, speed, ...
- Click on „Add Exchange Point“ and „Save“

The screenshot shows the PeeringDB interface for adding a connection to an IXP. At the top right, there are 'Cancel' and 'Save' buttons. Below them is a 'Filter' input field. The main table is titled 'Public Peering Exchange Points' and has columns for 'Exchange Åž', 'ASN IPv4', 'ASN IPv6', 'Speed', 'RS Peer', and 'BFD Support'. Two rows are visible, both for 'DE-CIX Jakarta' with ASN 9748. The first row has IPv4 address 103.159.71.124 and IPv6 address 2001:df5:7880::2614:a:1. The second row has IPv4 address 103.159.71.125 and IPv6 address 2001:df5:7880::2614:a:2. Below the table, there is a form with fields for 'Exchange', 'IPv4', 'IPv6', 'Speed (mbit/sec)', 'RS Peer', 'BFD Support', and 'Operational'. The 'Exchange' field is currently set to 'de-cix' and has a dropdown menu open showing a list of exchange points: DE-CIX Esbjerg DK, DE-CIX Frankfurt DE, DE-CIX Hamburg DE, DE-CIX Helsinki FI, DE-CIX Helsinki, DE-CIX Hyderabad IN, DE-CIX Istanbul TR, DE-CIX Jakarta ID, DE-CIX Jakarta, and DE-CIX Kolkata IN.

Exchange Åž	ASN IPv4	ASN IPv6	Speed	RS Peer	BFD Support
DE-CIX Jakarta	103.159.71.124	2001:df5:7880::2614:a:1	10000	<input type="checkbox"/>	<input type="checkbox"/>
DE-CIX Jakarta	103.159.71.125	2001:df5:7880::2614:a:2	10000	<input type="checkbox"/>	<input type="checkbox"/>

Exchange: de-cix

- DE-CIX Esbjerg DK
- DE-CIX Frankfurt DE
- DE-CIX Hamburg DE
- DE-CIX Helsinki FI
- DE-CIX Helsinki
- DE-CIX Hyderabad IN
- DE-CIX Istanbul TR
- DE-CIX Jakarta ID
- DE-CIX Jakarta
- DE-CIX Kolkata IN

Adding a presence to a Facility

- Log in to PeeringDB as admin
- Go to your network
 - Either via your org object
 - Or search for your ASN (prefix it with „as“)
- Click on „Edit“ in the upper right corner
- Start typing in the name of the facility and select
- Click on „Add Facility“ and „Save“

Interconnection Facilities

Facility ^{AZ} v	Country
ASN	City
No filter matches. You may filter by Facility , ASN , Country or City .	
Facility	<input type="text" value="ntt Ja"/>
<ul style="list-style-type: none">NTT Jakarta 1 Data Center (JKT1) Wisma 46 - Kota BNINTT Jakarta 2 Data Center (JKT2) Jalan Kuningan Barat No.8 NTT building, Kuningan Barat, Mampang Prapatan, Kota Jakarta (inside Cyber Area)NTT Jakarta 3 Data Center (JKT3) Cibitung	

Deleting Objects (ix, fac, net)

- Log in to PeeringDB as admin
- Go to your organisation
- Click on „Edit“
- Click on the little cross left from the name
- Confirm and „Save“

Networks

Name A-Z ▾

- [DE-CIX Academy Educational Network](#)
- [DE-CIX Barcelona Route Servers](#)
- [DE-CIX Chicago Route Servers](#)
- [DE-CIX Copenhagen Route Servers](#)

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