



**PeeringDB**

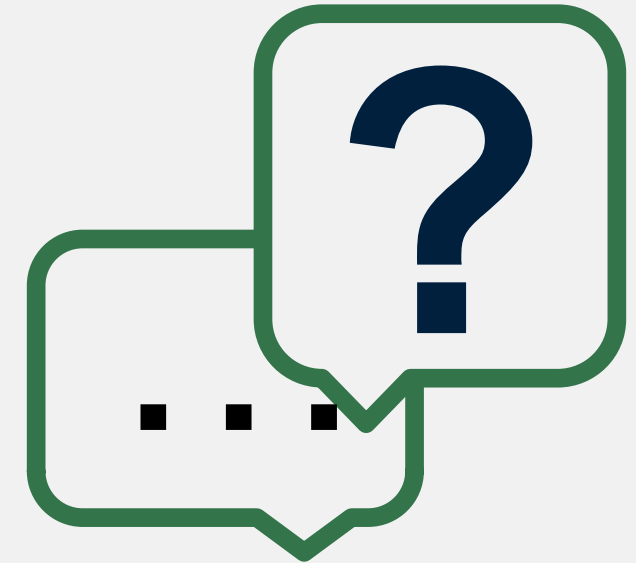
# What's new on PeeringDB?

Livio Morina- Board Member  
[livio@peeringdb.com](mailto:livio@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



# 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
  - 462 addresses subscribed to the Governance mailing list (as of June 19, 2023)
  - 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



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	Operations Committee	Outreach Committee	Product Committee
<ul style="list-style-type: none"><li>• Manage administration of user accounts and PeeringDB records</li><li>• Answer support tickets</li><li>• Cleansing and completion of PeeringDB records</li></ul> <p>Leads: Chriztoffer Hansen (Chair) and Peter Helmenstine (Vice Chair) Contact: <a href="mailto:admincom@lists.peeringdb.com">admincom@lists.peeringdb.com</a></p>	<ul style="list-style-type: none"><li>• Manage PeeringDB infrastructure</li></ul> <p>Leads: Job Snijders (Chair) and Aaron Hughes (Vice Chair) Contact: <a href="mailto:pdb-ops@lists.peeringdb.com">pdb-ops@lists.peeringdb.com</a></p>	<ul style="list-style-type: none"><li>• Manage marketing and social media</li><li>• Develop and maintain presentations, workshops and webinars</li><li>• Coordinate presentations and attendance at events</li></ul> <p>Leads: Ben Ryall (Chair) Contact: <a href="mailto:outreachcom@lists.peeringdb.com">outreachcom@lists.peeringdb.com</a></p>	<ul style="list-style-type: none"><li>• Manage roadmap and development priorities</li><li>• Ask for input from the community on desired features</li><li>• Write SoWs to solicit bids to complete requested features</li></ul> <p>Leads: Jack Carrozzo (Chair) and Matt Griswold (Vice Chair) Product Manager: Leo Vegoda Contact: <a href="mailto:productcom@lists.peeringdb.com">productcom@lists.peeringdb.com</a></p>

# What is PeeringDB?

## Why should my **network** be listed in PeeringDB?

- It 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

Telia Helsinki Datacenter

Networks 18  
Local Exchanges 4

EXPORT

Organization	Telia Company		
Also Known As			
Long Exchanges	<div>Filter</div>		
Connections			
Add			
Add			
Flood			
Suite			
Local			
Countries			
Connections			
Geography			
CLL			
NPA-NXX			
Last Updated	2020-02-13T21:31:48Z		
Notes			
Technical Email			
Technical Phone	2024-11-06	nog.fi meeting 2024.11, Helsinki, Finland	
Sales Email			

Networks		<div>Filter</div>
Peer Name A-Z	ASN	
Anexia	42473	
Arelion (Twelve99)	1299	
Bahnhof	8473	
Cinia Oy	20904	
EuroQuest	45010	
Fastly, Inc.	54113	
FNE-Finland Oy	47605	
Google LLC	15169	
Istekki	198024	
LocalNet	204779	
Nebula Oy	29422	
PacketHub AS141039	141039	
RETN	9002	
S1 NETWORKS AS	199508	
SuomiCommunications	16302	
Telia Finland	1759	
Telia Finland (MPLS VPN Services)	12582	
UpCloud	202053	

Airbeam Carrier

Edit

EXPORT

Organization	<a href="#">Airbeam S.r.l.</a>
Also Known As	
Long Name	
Company Website	<a href="http://www.airbeam.it">http://www.airbeam.it</a>
Last Updated	2023-11-20T20:14:40Z
Notes ?	
	

Facilities

Filter

Facility A-Z	Country	City
<a href="#">Balkan Gate</a>	Greece	Thessaloniki
<a href="#">C21</a>	Italy	Milan
<a href="#">Data Felix DF01</a>	Italy	Caserta
<a href="#">Lancom Athens DC</a>	Greece	Athens
<a href="#">Lancom Thessaloniki DC</a>	Greece	Thessaloniki
<a href="#">MIX</a>	Italy	Milano
<a href="#">Naquadria Datacenter Piacenza</a>	Italy	Piacenza
<a href="#">Telnet Caldera Milan</a>	Italy	Milan
<a href="#">VSIX</a>	Italy	Padova



# New Object “Carrier”

- New pillar of data besides *net|work*, *fac|ility* and *ix*
- A “Carrier” provides high capacity L1/L2 links between facilities.
- API: carrier and carrierfac
- Released with 2.43.0 (Release Date: 25 January 2023)
- See also the [blog](#) about the carrier object


*This is the first new pillar of data we’ve introduced for several years.  
Take a look and tell us how we can improve our implementation.*

Airbeam Carrier

Cancel Save

Organization	<a href="#">Airbeam S.r.l.</a>
Also Known As	
Long Name	
Company Website Override ?	<a href="http://www.airbeam.it">http://www.airbeam.it</a>

+ Social Media

Last Updated	2023-11-20T20:14:40Z
Notes ?	
	

Facilities

Filter

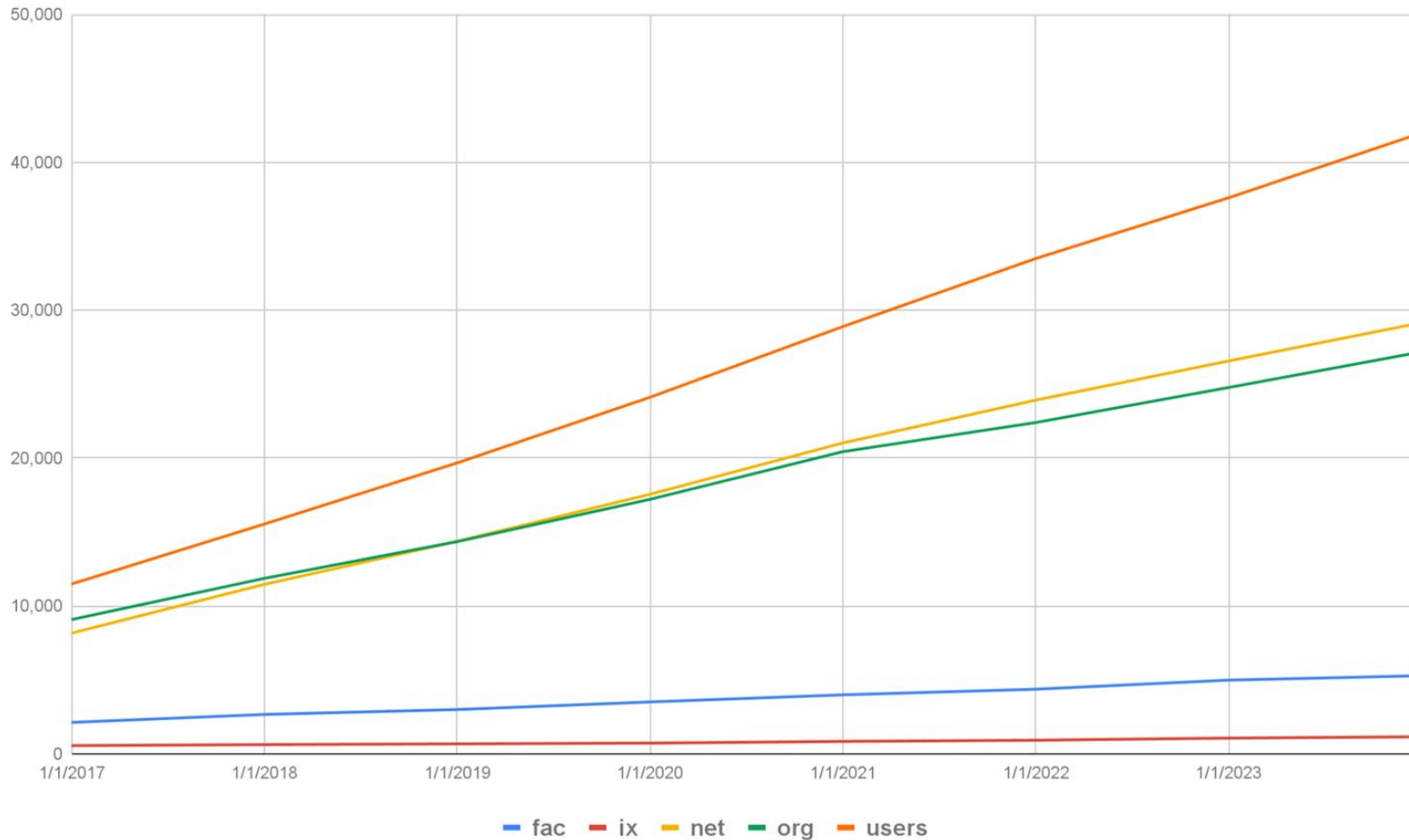
Facility A-Z ▾	Country	City
<input checked="" type="checkbox"/> <a href="#">Balkan Gate</a>	Greece	Thessaloniki
<input checked="" type="checkbox"/> <a href="#">C21</a>	Italy	Milan
<input checked="" type="checkbox"/> <a href="#">Data Felix DF01</a>	Italy	Caserta
<input checked="" type="checkbox"/> <a href="#">Lancom Athens DC</a>	Greece	Athens
<input checked="" type="checkbox"/> <a href="#">Lancom Thessaloniki DC</a>	Greece	Thessaloniki
<input checked="" type="checkbox"/> <a href="#">MIX</a>	Italy	Milano
<input checked="" type="checkbox"/> <a href="#">Naquadria Datacenter Piacenza</a>	Italy	Piacenza
<input checked="" type="checkbox"/> <a href="#">Telnet Caldera Milan</a>	Italy	Milan
<input checked="" type="checkbox"/> <a href="#">VSIX</a>	Italy	Padova

Facility	
----------	--

Add Facility

Cancel Save

# 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

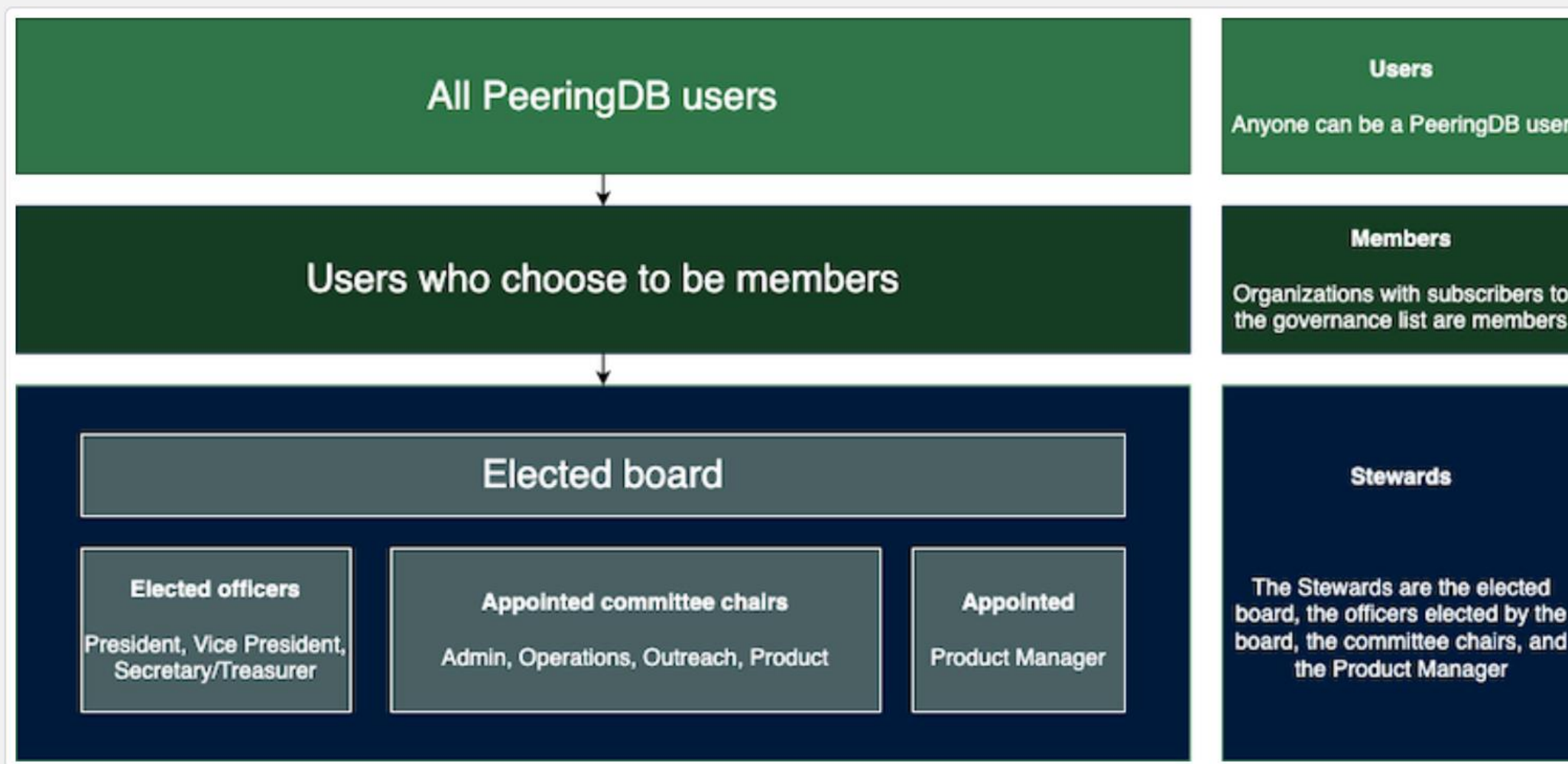
# Call for Volunteers

- **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 20 minutes

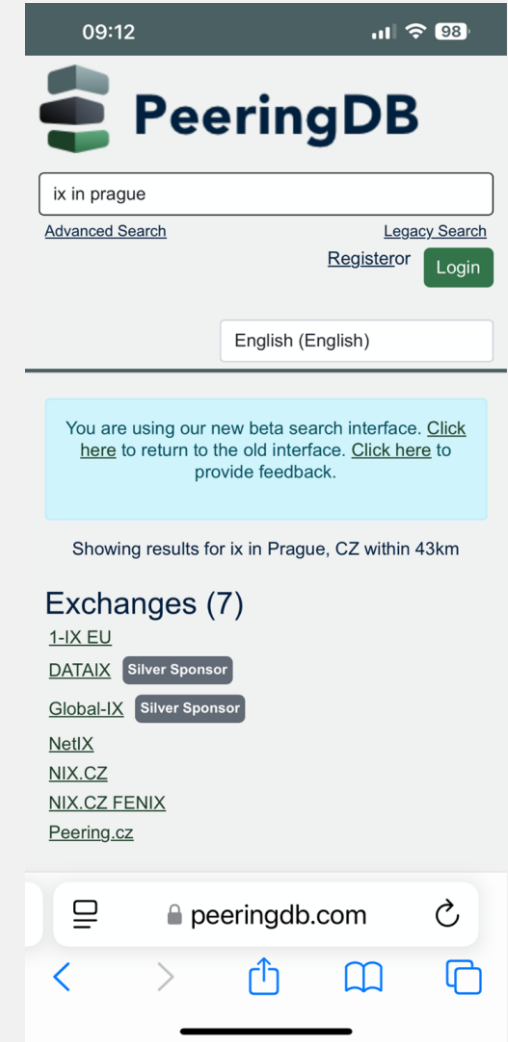
Email us at [admincom@lists.peeringdb.com](mailto:admincom@lists.peeringdb.com) for more info.

# How to Vote



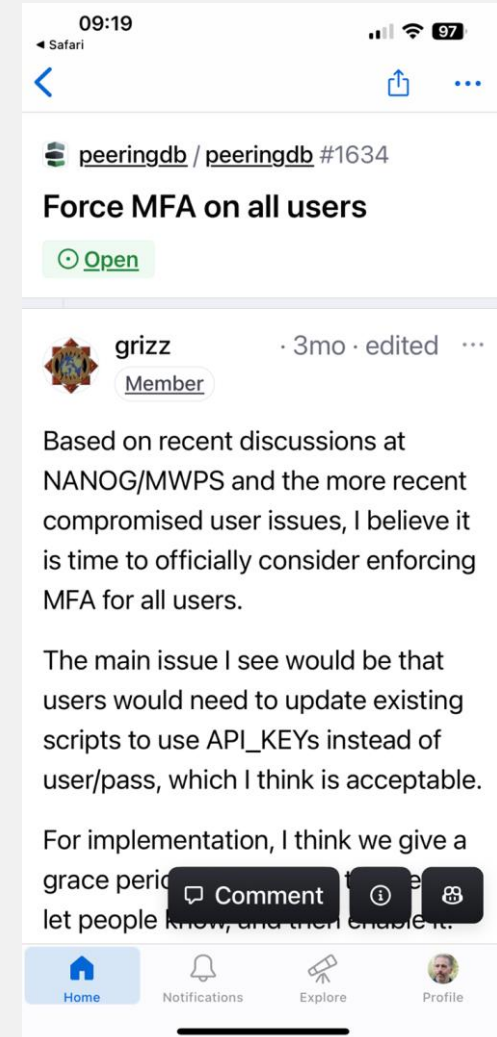
# NEWS (1): Search

- Significant search push scheduled for deployment in January
  - Ensure completeness
  - Refine output
- Decide on when to remove legacy search early in 2025
- We are now automatically removing networks whose ASN has been reclaimed by an RIR or NIR



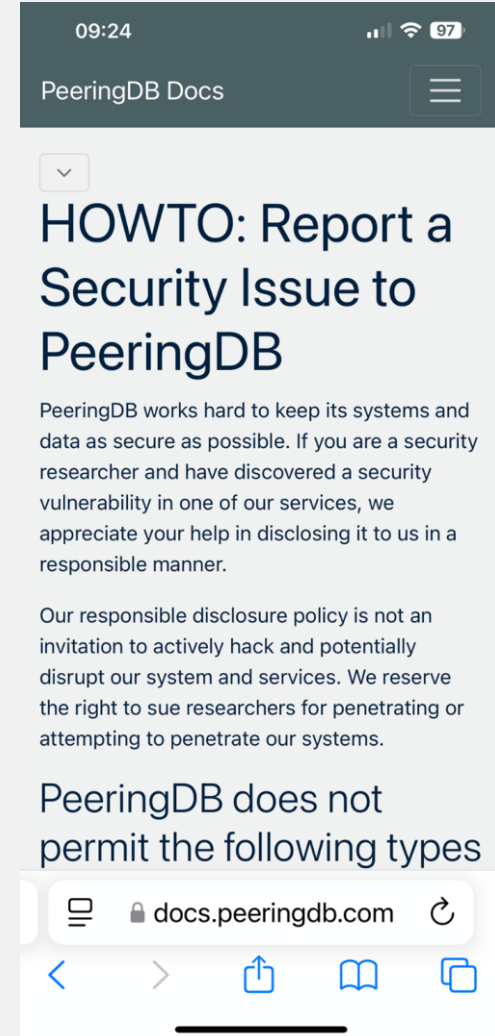
# NEWS (2): MFA to become mandatory

- Passkeys to be deployed in October:  
Release 2.62.0  
Beta Announcement Date: 9 October 2024  
Release Date: 16 October 2024
- API to drop simple authentication
- Communication on MFA rollout starting in November
  - All users will need to enable at least one extra factor
  - Very important for Organization admins
- Target deployment in during February 2025



# NEWS (3): Security reports

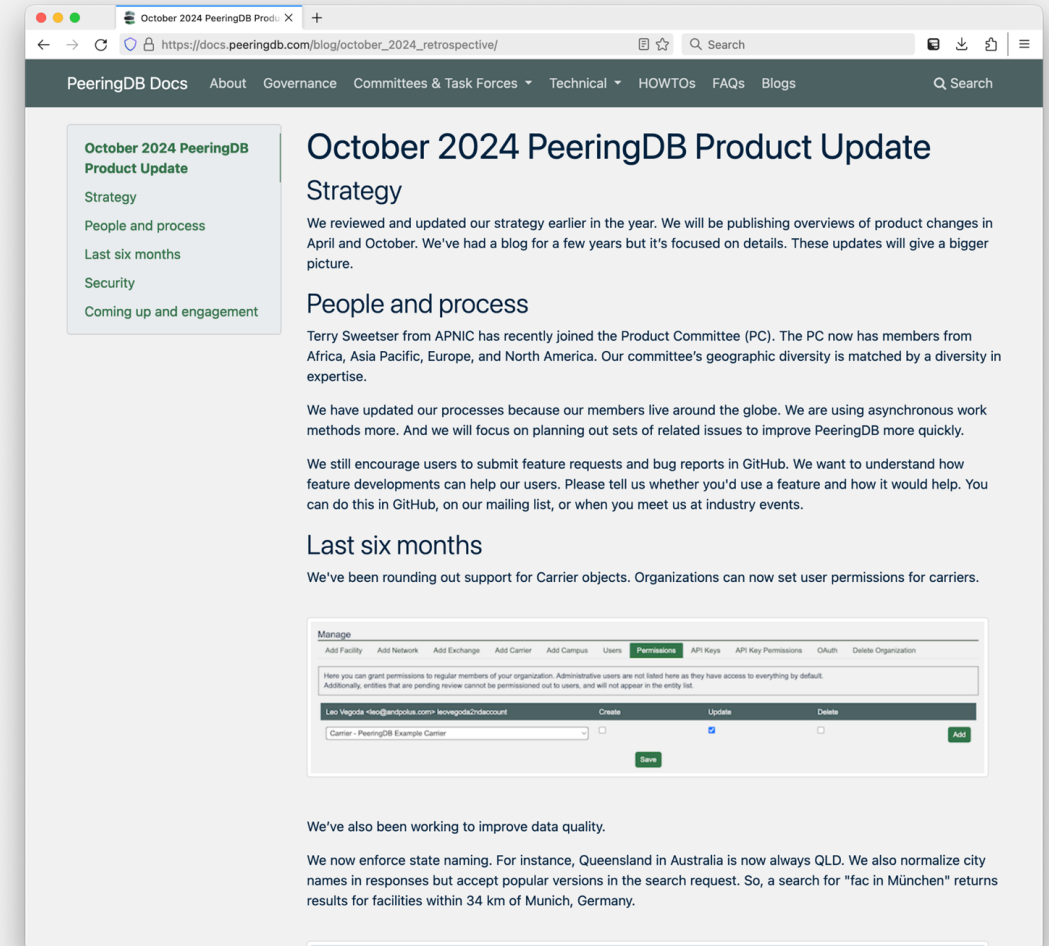
- We've had a few minor security reports
- After fixing issues we'll recognize reporters in a blog post
- We'll also offer a gift item, like a personalized hat, cup, or hoodie





# NEWS (4): Retrospective blog post

- We publish blog posts at [blog.peeringdb.com](https://blog.peeringdb.com)
- We publish a retrospective each October and April



The screenshot shows a web browser displaying the PeeringDB website. The URL in the address bar is [https://docs.peeringdb.com/blog/october\\_2024\\_retrospective/](https://docs.peeringdb.com/blog/october_2024_retrospective/). The page features a dark navigation bar with links to 'PeeringDB Docs', 'About', 'Governance', 'Committees & Task Forces', 'Technical', 'HOWTOs', 'FAQs', and 'Blogs'. A sidebar on the left lists categories: 'October 2024 PeeringDB Product Update', 'Strategy', 'People and process', 'Last six months', 'Security', and 'Coming up and engagement'. The main content area is titled 'October 2024 PeeringDB Product Update Strategy' and contains several paragraphs of text. A 'Manage' section is visible, showing a table with columns for 'Create', 'Update', and 'Delete'. The table lists 'Leo Viegoda' as a user and 'Carrier - PeeringDB Example Carrier' as a carrier. The page also includes a 'Save' button and a 'Delete' button.

October 2024 PeeringDB Product Update Strategy

We reviewed and updated our strategy earlier in the year. We will be publishing overviews of product changes in April and October. We've had a blog for a few years but it's focused on details. These updates will give a bigger picture.

People and process

Terry Sweetser from APNIC has recently joined the Product Committee (PC). The PC now has members from Africa, Asia Pacific, Europe, and North America. Our committee's geographic diversity is matched by a diversity in expertise.

We have updated our processes because our members live around the globe. We are using asynchronous work methods more. And we will focus on planning out sets of related issues to improve PeeringDB more quickly.

We still encourage users to submit feature requests and bug reports in GitHub. We want to understand how feature developments can help our users. Please tell us whether you'd use a feature and how it would help. You can do this in GitHub, on our mailing list, or when you meet us at industry events.

Last six months

We've been rounding out support for Carrier objects. Organizations can now set user permissions for carriers.

Manage

Add Facility Add Network Add Exchange Add Carrier Add Campus Users Permissions API Keys API Key Permissions OAuth Delete Organization

Here you can grant permissions to regular members of your organization. Administrative users are not listed here as they have access to everything by default. Additionally, entities that are pending review cannot be permissioned out to users, and will not appear in the entity list.

	Create	Update	Delete
Leo Viegoda <leo@andpolus.com> leo@andpolus.com	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Carrier - PeeringDB Example Carrier	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Save

We've also been working to improve data quality.

We now enforce state naming. For instance, Queensland in Australia is now always QLD. We also normalize city names in responses but accept popular versions in the search request. So, a search for "fac in München" returns results for facilities within 34 km of Munich, Germany.

# NEWS (5): nog.fi now supports PeeringDB OAUTH



🕒 Europe/Helsinki ▾

🌐 English (United States) ▾

🔑 Login

Home

Create event ▾

## News

### PeeringDB OAUTH Support

Oct 10, 2024

It's now possible to login to this indico using PeeringDB OAUTH as well. If you use the same email address in our [Mattermost](#) and [PeeringDB](#), the system will automatically detect them as the same account. If not, you will get a new account, and you should get in touch with the admins to merge it into your old account to preserve access rights etc.

# Nordics from PeeringDB POV

CC	IXP/OP	ASN	LASN	Colo/OP	ASN	LASN	TASN	TLASN	PDB	RIR	%
FI	13/7	221	36	33/16	91	38	258	46	72	374	19,3%
NO	12/5	111	54	47/25	120	59	164	75	122	290	31.3%
SE	24/7	275	117	57/34	272	111	372	151	247	870	28,4%
DK	8/6	126	36	35/20	135	69	198	73	126	467	27.0%
IS	3/3	31	20	9/6	20	14	39	25	39	96	40,6%
FO	0/0	0	0	0	0	0	0	0	2	6	33.3%
GL	0/0	0	0	0	0	0	0	0	0	1	0,0%

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

# Thank you to our sponsors!

Diamond  
Sponsor



Microsoft

Platinum  
Sponsors



EQUINIX



Meta

YAHOO!

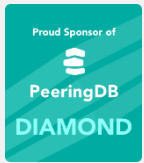
Gold  
Sponsors



Silver  
Sponsors



# Become a PeeringDB Sponsor!



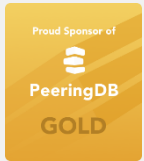
## Diamond Sponsorship - \$25,000 / year

- Limited to 10 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



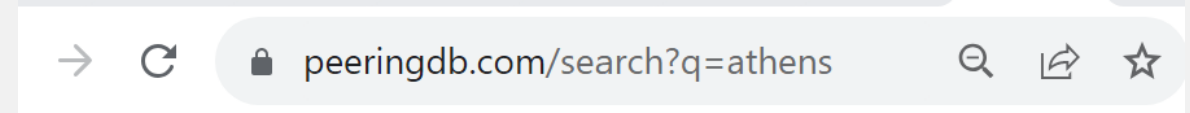
## Gold Sponsorship - \$5,000 / year

- 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



PeeringDB

[Advanced Search](#)

[v2 Search \(Beta\)](#)



Proud Sponsor of

PeeringDB



Contact [sponsorship@peeringdb.com](mailto:sponsorship@peeringdb.com) for sponsorship info!

# 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"	<div><div></div></div> <div>12% complete 128 open 19 closed</div> <div><a href="#">Edit</a> <a href="#">Close</a> <a href="#">Delete</a></div>
<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)	<div><div></div></div> <div>0% complete 6 open 0 closed</div> <div><a href="#">Edit</a> <a href="#">Close</a> <a href="#">Delete</a></div>
<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)	<div><div></div></div> <div>100% complete 0 open 2 closed</div> <div><a href="#">Edit</a> <a href="#">Close</a> <a href="#">Delete</a></div>
<b>3a Needs Implementation discussion</b> No due date ⌚ Last updated 6 days ago	<div><div></div></div> <div>0% complete 5 open 0 closed</div> <div><a href="#">Edit</a> <a href="#">Close</a> <a href="#">Delete</a></div>
<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".	<div><div></div></div> <div>0% complete 22 open 0 closed</div> <div><a href="#">Edit</a> <a href="#">Close</a> <a href="#">Delete</a></div>
<b>Next Release</b> No due date ⌚ Last updated 5 days ago	<div><div></div></div> <div>80% complete 3 open 12 closed</div> <div><a href="#">Edit</a> <a href="#">Close</a> <a href="#">Delete</a></div>

# 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>

# Release Schedule

Release number	Internal testing	Beta release	Production release
2.63.0	2024-10-02	2024-10-09	2024-10-16
2.64.0	2024-11-06	2024-11-13	2024-11-20



# 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>



# We Need Beta Testers

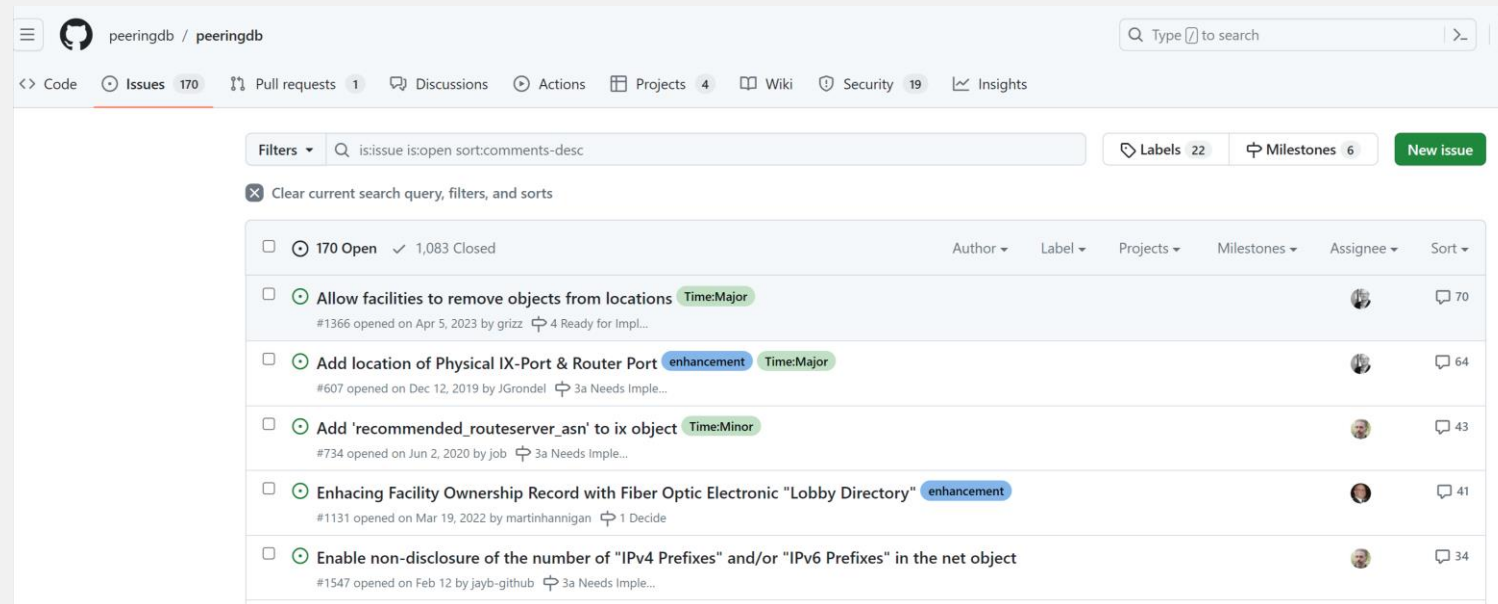
## Consider using the Beta environment as default

- 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

# Updates

## News from the Frontlines

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



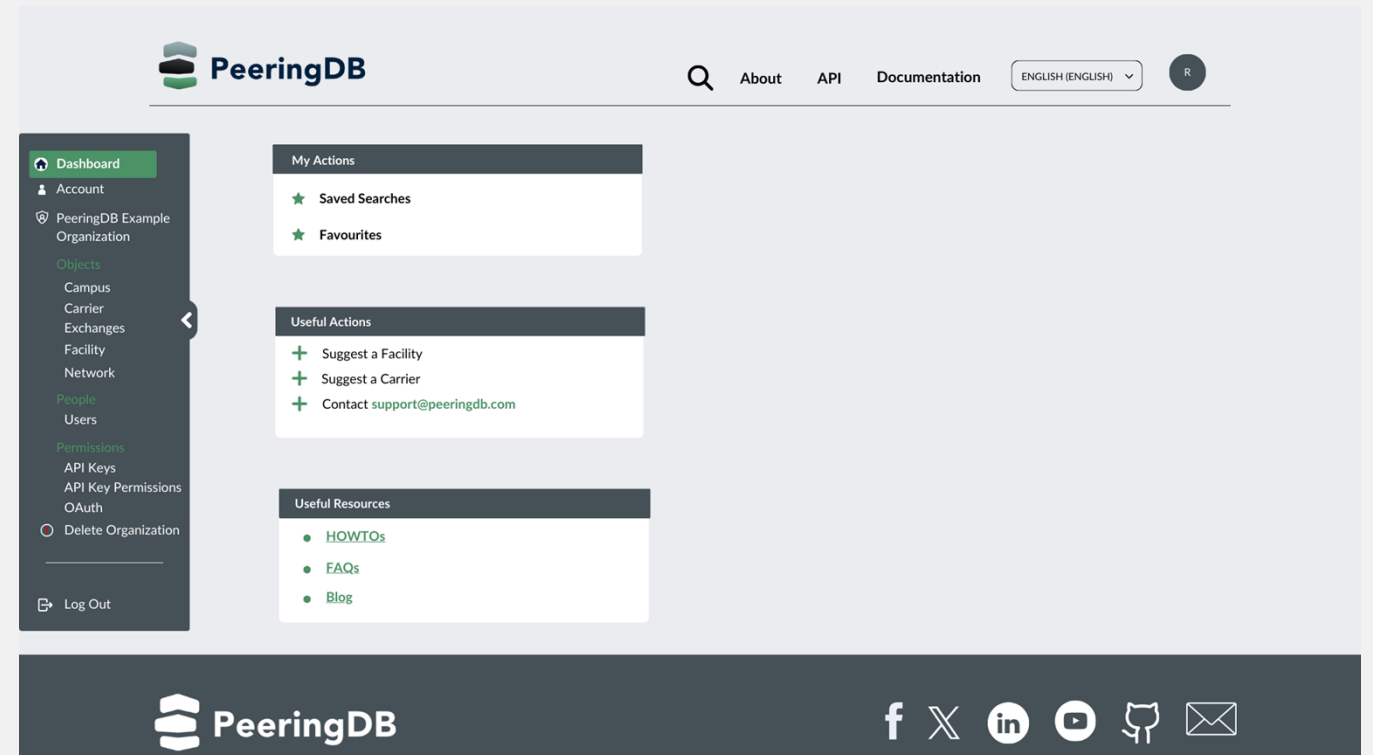
The screenshot shows the GitHub repository for PeeringDB. The top navigation bar includes links for Code, Issues (170), Pull requests (1), Discussions, Actions, Projects (4), Wiki, Security (19), and Insights. A search bar is located on the right. Below the navigation bar, there are filters and a search query 'is:issue is:open sort:comments-desc'. A table of issues is displayed, showing the title, status, labels, and comments.

Issue Title	Status	Labels	Comments
170 Open	✓ 1,083 Closed		
Allow facilities to remove objects from locations	Time:Major		70
Add location of Physical IX-Port & Router Port	enhancement Time:Major		64
Add 'recommended_router_server_asn' to ix object	Time:Minor		43
Enhancing Facility Ownership Record with Fiber Optic Electronic "Lobby Directory"	enhancement		41
Enable non-disclosure of the number of "IPv4 Prefixes" and/or "IPv6 Prefixes" in the net object			34

# Web UI

## Planned Improvements

- Better device presentation
- Dashboard options
- Lazy loading



# 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“

CancelSave

Public Peering Exchange Points

Filter

Exchange Åž v IPv4	ASN IPv6	Speed	RS Peer	BFD Support
<div><div>x</div>DE-CIX Jakarta</div> <div>103.159.71.124</div>	<div>9748</div> <div><input checked="" type="checkbox"/> Operational</div> <div>2001:df5:7880::2614:a:1</div>	<div>10000</div>	<div><input type="checkbox"/></div>	<div><input type="checkbox"/></div>
<div><div>x</div>DE-CIX Jakarta</div> <div>103.159.71.125</div>	<div>9748</div> <div><input checked="" type="checkbox"/> Operational</div> <div>2001:df5:7880::2614:a:2</div>	<div>10000</div>	<div><input type="checkbox"/></div>	<div><input type="checkbox"/></div>

Exchange

IPv4

IPv6

Speed (mbit/sec)

RS Peer

BFD Support

Operational

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 Åž ▼ ASN	Country City
----------------------	-----------------

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

Facility

NTT Jakarta 1 Data Center (JKT1)  
Wisma 46 - Kota BNI

NTT 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