



PeeringDB

What's new on PeeringDB?

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What is PeeringDB?

PeeringDB is a freely available, user-maintained, **database of networks and carriers**, and the go-to location for interconnection data. It facilitates the global interconnection of networks at **IXPs, data centers, and other interconnection facilities**. It is the first stop in making interconnection decisions.



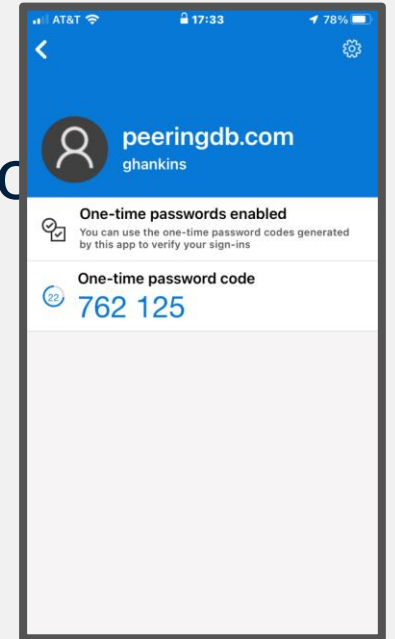
What is PeeringDB?

Why should my 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

Account Security

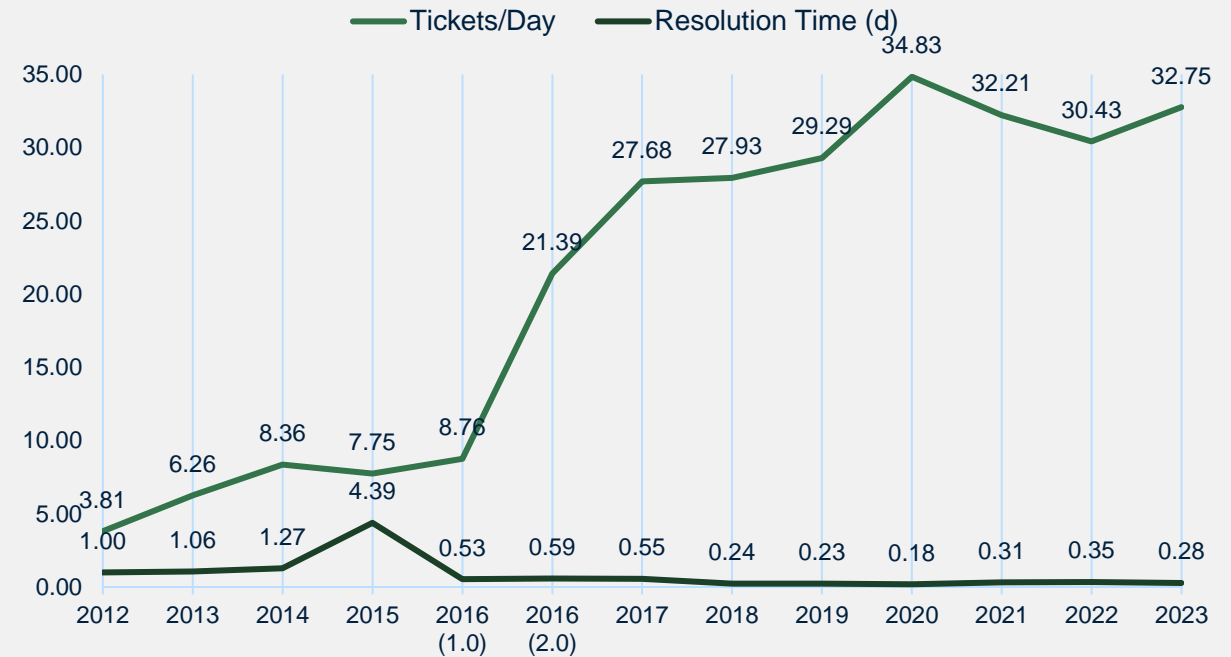
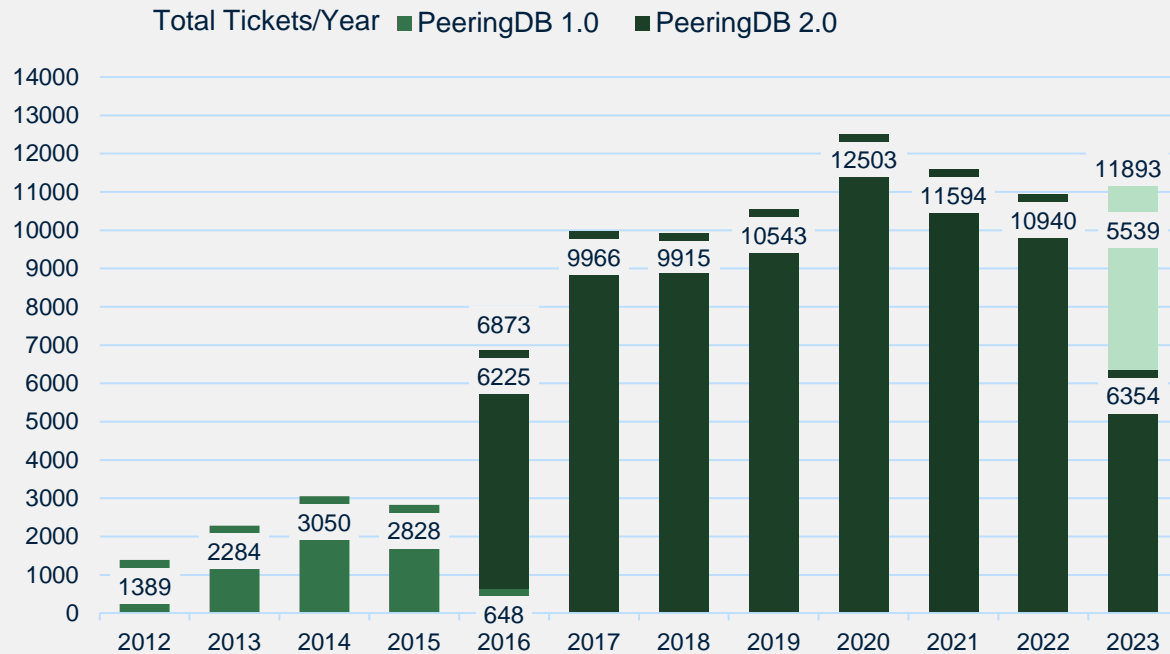
- Two-factor authentication (2FA) (2.21.0)
 - Using time-based one-time password (TOTP) - no SMS, no email
 - Setup via User Profile
 - Highly recommended
 - Provision for backup codes and recovery tokens
- Fast IDentity Online (FIDO) Universal 2nd Factor (U2F) 2FA support (2.33.0)
 - Allowing users to enable 2FA without relying on a TOTP app
- HOWTO: <https://docs.peeringdb.com/howto/authenticate/>



Committees

Admin Committee	Operations Committee	Outreach Committee	Product Committee
<ul style="list-style-type: none">• Manage administration of user accounts and PeeringDB records• Answer support tickets• Cleansing and completion of PeeringDB records <p>Contact: admincom@lists.peeringdb.com</p>	<ul style="list-style-type: none">• Manage PeeringDB infrastructure <p>Contact: pdb-ops@lists.peeringdb.com</p>	<ul style="list-style-type: none">• Manage marketing and social media• Develop and maintain presentations, workshops and webinars• Coordinate presentations and attendance at events <p>Contact: outreachcom@lists.peeringdb.com</p>	<ul style="list-style-type: none">• Manage roadmap and development priorities• Ask for input from the community on desired features• Write SoWs to solicit bids to complete requested features <p>Contact: productcom@lists.peeringdb.com</p>

Support Ticket Statistics



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

We are looking for volunteers

- For Operations Committee
 - Small and highly trusted
 - Experience with containers is a plus


Apply to stewards@lists.peeringdb.com

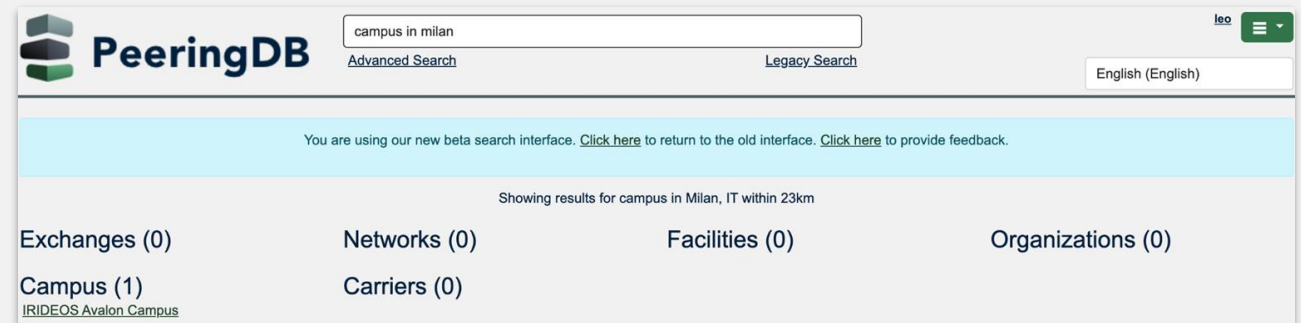
New “campus” object

- The campus object allows to structure two or more facilities
 - Not well defined in terms of size
 - All facilities should be interconnectable with “cheap” interconnections
 - All facilities must belong to the same owner
- API: campus
- A campus is only shown with at least two members
- Add a campus object via your organization “Manage” section



New “campus” object

1. Created in February
2. Added to API in August
3. Other UX improvements 
4. Added to search in October
5. Campus aggregated resources tables added this month



The screenshot shows the PeeringDB search interface. At the top left is the PeeringDB logo. To its right is a search bar containing the text "campus in milan". Below the search bar are links for "Advanced Search" and "Legacy Search". In the top right corner, there is a user profile icon labeled "leo" and a language dropdown menu set to "English (English)". A light blue banner below the search bar contains the text: "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 "campus in Milan, IT within 23km". The results are organized into a grid of categories, each with a count in parentheses: Exchanges (0), Networks (0), Facilities (0), Organizations (0), and Carriers (0). Under the "Campus (1)" category, one result is listed: "IRIDEOS Avalon Campus".

New “carrier” object

- New pillar of data besides network, facility and ix
- A “Carrier” provides high capacity L1/L2 links between facilities.
- API: carrier and carrierfac
- A carrier presence in a facility must be approved by a facility admin

New “carrier” object

- Add a carrier object via your organization “Manage” section
- Add a presence via the carrier object
- Introduced in 2.43.0 (Current 2.52.0)
- See also the [blog](#) about the carrier object

Arvig Enterprises Inc.

Also Known As	
Long Name	
Website	https://www.arvig.com/
Address 1	150 2nd Street SW
Address 2	
Floor	
Suite	
Location	Perham, MN, 56573
Country Code	US
Geocode	<i>Geocode data for this entity could not be obtained at this point. This is done automatically upon address field changes.</i>
Last Updated	2019-07-08T18:35:40Z
Notes ?	
Logo ?	

Edit

Facilities

Filter

Name ↓	Country	City
--------	---------	------

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

Networks

Filter

Name ↓	ASN
Arvig	16904

Exchanges

Filter

Name ↓	Country	City
--------	---------	------

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

Carriers

Filter

Name ↓
Arvig

Campuses

Filter

Name ↓

No filter matches.
You may filter by **Name**.

Documentation Updates

- Started series of HOWTOs
 - <https://docs.peeringdb.com/howtos/>
- Regular blogs on new features
 - <https://docs.peeringdb.com/blogs/>
- Announced on social media

**** FOLLOW US ****

Create entries

- Get Started with PeeringDB as a Exchange Operator
- Get Started with PeeringDB as a Facility Operator
- Get Started with PeeringDB as a Network Operator

Manage entries

- Manage Organizational Policy
- Manage User Permissions

Search

- Get Started with Search in PeeringDB
- Work Within PeeringDB's Query Limits

Authentication and security

- Authenticate to PeeringDB
- Get Started with API Keys
- Report a Security Issue

Other

- Get Started with Developing for PeeringDB
- Setup a PeeringDB Development Environment
- What is AS112?

How can I find a facility?



Search here for a network, IX, or facility.

Advanced Search

Legacy Search

Registeror

Login

English (English)

C21

Networks 36 Local Exchanges 3

Organization	CDLAN SpA
Also Known As	
Long Name	
Company Website	https://www.cdian.it/
Address 1	Via Caldera 21
Address 2	
Floor	
Suite	
Location	Milan, Italy, 20153
Country Code	IT
Continental Region	Europe
Geocode	45.476394_9.103571
CLLI Code	
NPA-NXX	
Last Updated	2022-12-19T11:36:12Z
Notes	
Technical Email	
Technical Phone	
Sales Email	
Sales Phone	
Property	
Diverse Serving Substations	Not Disclosed
Available Voltage Services	
Health Check	

Peer Name AZ	ASN
01 Telecom (01T)	201933
2Bite	35617
Airbeam	50877
Alibaba Cloud CDN	24429
Amazon.com	16509
ANIMASGR	56641
Arellon (Twelve99)	1299
BrianTel	43843
CDLAN	20836
Cogent Communications, Inc.	174
Ehiweb	43989
Eis S.r.l.	56488
Fiber Telecom (FT)	41327
GOLINE	202032
Huawei Cloud Global	136907
Interlink	5405
Intercom s.r.l.	8224
Intred SpA	31115
muscope	42692
NHM	62275
Professional Link	59862
Prometeus di Daniela Agro	34971
RETN	9002

Exchange AZ	Long Name	Networks
MINAP Milan	Milan Neutral Access Point	82
MIX-IT	Milan Internet eXchange	351
TOP-IX	Consorzio Top-IX	102

Carrier AZ	

No filter matches.



How can I find a facility?

Exchanges

Exchange AZ ▾	Long Name	Networks
MINAP Milan	Milan Neutral Access Point	82
MIX-IT	Milan Internet eXchange	352
TOP-IX	Consorzio Top-IX	102

The screenshot shows the PeeringDB interface. A red arrow points from the 'Exchanges' table to the 'NPA-XXX' details panel. A red box highlights the 'Exchanges' table and the 'Carriers' table below it. A red box highlights a list of facilities with their ASNs.

NPA-XXX	ASNs
GOLINE	202032
Huawei Cloud Global	136907
Interlink	5405
Intercom s.r.l.	8224
Intred SpA	31115
muscope	42692
NHM	62275
Professional Link	59862
Prometeus di Daniela Agro	34971
RETN	9002

Exchanges

Exchange AZ ▾	Long Name	Networks
MINAP Milan	Milan Neutral Access Point	82
MIX-IT	Milan Internet eXchange	351
TOP-IX	Consorzio Top-IX	102

Carriers

Carrier **AZ** ▾

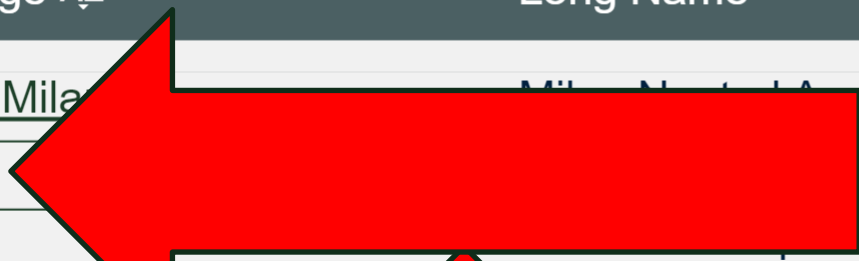
No filter matches.

How can I find a facility (where there is a specific IXP)?

Exchanges

Filter

Exchange AZ ▾	Long Name	Networks
MINAP Milan	Milan Neutral Access Point	82
MIX-IT	Milan Internet eXchange	352
TOP-IX	Consorzio Top-IX	102



NPA-NXX	202032
Last Updated	2022-12-1
Notes	
Technical Email	
Technical Phone	
Sales Email	
Sales Phone	
Property	
Diverse Serving Substations	Not Disclo
Available Voltage Services	
Health Check	
GOLINE	202032
Huawei Cloud Global	136907
Interlink	5405
Intercom s.r.l.	8224
Intred SpA	31115
muscope	42692
NHM	62275
Professional Link	59862
Prometeus di Daniela Agro	34971
RETN	9002

Exchange AZ ▾	Long Name	Networks
MINAP Milan	Milan Neutral Access Point	82
MIX-IT	Milan Internet eXchange	351
TOP-IX	Consorzio Top-IX	102

Carrier AZ ▾	Filter
---------------------	--------

No filter matches.

How can I find a facility (where there is a specific IXP)?

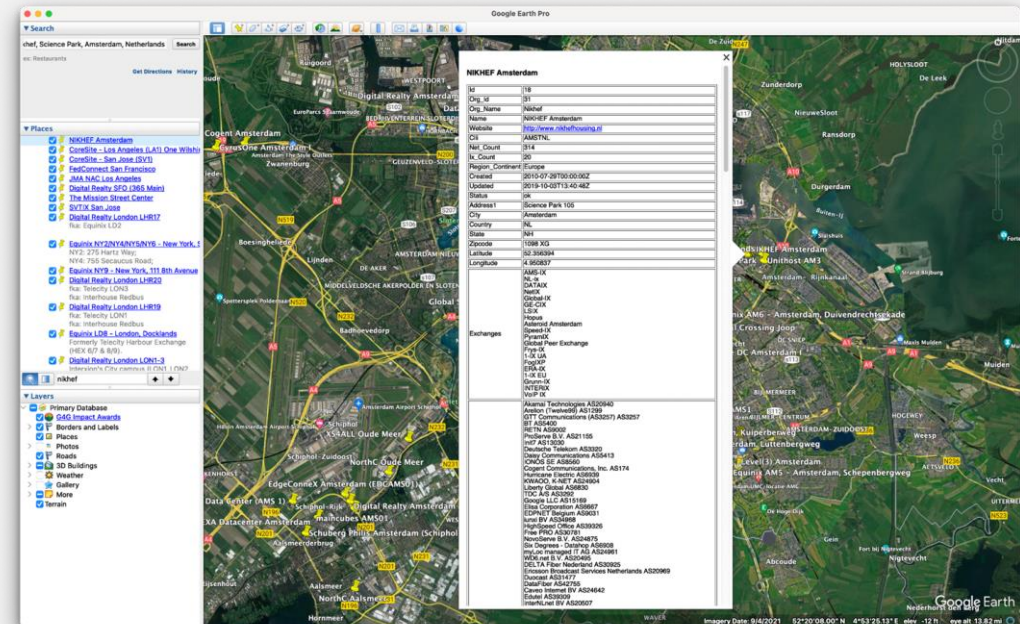
Local Facilities

Facility <small>AZ</small> ▼	Country	City
Aruba IT3 - Milan PSP	Italy	Ponte San Pietro
BOIX	Italy	Bologna
C21	Italy	Milan
DATA4 Milan-Cornaredo - MIL1	Italy	Cornaredo (MI)
Equinix ML2 - Milan, Savona	Italy	Milano
Equinix ML5 - Milan	Italy	Settimo Milanese (MI)
IRIDEOS Avalon Campus	Italy	Milano
MIX	Italy	Milano
Open Hub Med	Italy	Carini
STACK EMEA - ITALY S.P.A.	Italy	Siziano

Quick updates

- PeeringDB client - complete rewrite, now v2
- PeeringDB whois will be closing at the end of January
- Link your social media accounts from PeeringDB
- Get facility location data as a .kmz file

Also Known As	Example
Long Name	PeeringDB Example Organisation
Website	https://www.example.org
Facebook	peeringdb
Twitter	peeringdb
Linkedin	peeringdb



How can I find a facility (2)?



MIX

Id	864
Org_Id	3207
Org_Name	MIX s.r.l.
Name	MIX
Website	http://www.mix-it.net/
Net_Count	196
Ix_Count	5
Region_Continent	Europe
Created	2010-08-28T00:00:00Z
Updated	2018-08-07T10:29:04Z
Status	ok
Address1	via Caldera, 21
Address2	Palazzo D ala 3
City	Milano
Country	IT
Zipcode	20153
Latitude	45.476394
Longitude	9.103571

Indicazioni stradali: [Da qui](#) - [Aqui](#)



Italy from a PeeringDB POV

Category - Month	November 2023	May 2023
IXP/Operators	18/14	17/13
Facilities/Operators	96/71	96/71
Networks at IXP	522	516
Italian Networks at IXP	373	366
Networks in Facilities	451	439
Italian Networks in Facilities	321	310
Total Networks (IXP and Facilities)	615	602
Total Italian Networks (IXP and Facilities)	410	397
Italian Networks in PeeringDB	521	513
Italian Networks in any RIR	1295	1281
PeeringDB/RIR	40.2%	40.0%

Italy - Internet Exchange

Name A-Z	Media Type	Country	City	Networks
BGP.Exchange - Rome	Multiple	IT	Rome	7
DEIX		T	Palermo	20
EqIX		T	Milan	29
GeIX		T	Genova	1
HaIX		T	Rome	3
MIIX		T	Milan	352
MIIX		T	Bologna	
MIIX		IT	Palermo	14
NaIX		T	Bari	20
NaIX		T	Napoli	6
NaIX		T	Rome	158
Nautilus Mediterranean Exchange Point				
PCIX Piacenza Internet Exchange	Ethernet	IT	Piacenza	9
SIIX Southern Italy Internet Exchange	Multiple	IT	Pomezia	16
STIX	Ethernet	IT	Bozen/Bolzano	7
TIX Tuscany Internet eXchange	Ethernet	IT	Florence	17
TOP-IX Consorzio Top-IX	Ethernet	IT	Turin	102
VSIX Veneto System Internet Exchange	Ethernet	IT	Padova	53

mix-it.net/location/pop-milano/

MIX Exchange ▾ Servizi ▾ About ▾ **Salotto**

ASN **375**

352

Italy - Campus

Exchanges Networks Facilities Organizations **Campus**

Name Organization


Address

City/ State/ Postal

Country (ctrl/cmd click to select multiple)
Indonesia
Iran
Iraq
Ireland
Isle of Man
Israel
Italy

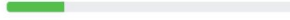
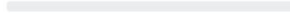

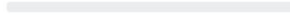
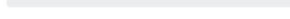

Continental Region (ctrl/cmd click to select multiple)
North America
Asia Pacific
Europe
South America
Africa
Australia

Additional filters are available to authenticated users, and you are currently not logged in.

Name 	City	State
Management	Country	Postal Code
IRIDEOS Avalon Campus	Milano	Lombardia
IRIDEOS S.p.A.	IT	20153

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!

1 Decide 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 Edit Close Delete
2 Consensus Reached 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 Edit Close Delete
3 Consensus Finalized 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 Edit Close Delete
3a Needs Implementation discussion No due date ⌚ Last updated 6 days ago	 0% complete 5 open 0 closed Edit Close Delete
4 Ready for Implementation 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 Edit Close Delete
Next Release No due date ⌚ Last updated 5 days ago	 80% complete 3 open 12 closed Edit Close Delete

Release Schedule

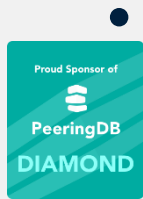
Release number	Internal testing	Beta release	Production release
2.51.0	2023-09-06	2023-09-13	2023-09-20
2.52.0	2023-10-18	2023-10-25	2023-11-06
2.53.0	2023-11-22	2023-11-29	2023-12-01

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>



Become a PeeringDB Sponsor!



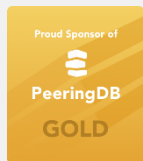
Diamond Sponsorship - \$25,000 / year

- 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.com/search/v2?q=palermo



palermo

[Advanced Search](#)

Exchanges (3)

[DE-CIX Palermo](#)

Platinum Sponsor

[MIX-IT](#)

[MIX-IT Palermo](#)

Facilities (3)

[Open Hub Med](#)

[Sicily Hub - Telecom Italia Sparkle
Palermo Data Center](#)

[Tiscali Palermo](#)



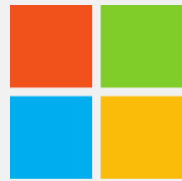
Proud Sponsor of

PeeringDB Gold

Contact sponsorship@peeringdb.com for sponsorship info!

Thank you to our sponsors!

Diamond
Sponsor



Microsoft

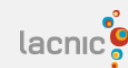
Platinum
Sponsors



Gold
Sponsors



Silver
Sponsors





PeeringDB

Questions?

Need help? Contact support@peeringdb.com

Got a feature idea? Contact productcom@lists.peeringdb.com

How can PeeringDB help you?



[Register or](#)

[Login](#)

[Advanced Search](#)

[Legacy Search](#)

English (English)

You are using our new beta search interface. [Click here](#) to return to the old interface. [Click here](#) to provide feedback.

Showing results for **meta albania**

Exchanges (1)

[ANIX](#)

IX-F JSON Import

- Finalize tasks from [Data Ownership Task Force](#)
 - ATM, only notifications are sent out to networks and IXes
 - Todo: automatically remove stale connections to an IX
 - Almost done, see [Github issue #1360](#)
- Why don't more IXP provide an IX-F JSON and enable it?

Total Number of IXP in Europe	376	100.0%
IXP with IX-F JSON URL	130	34.6%
IX-F JSON Import enabled	97	25.8%

Data retrieved from PeeringDB on 2023-03-10 06:57 UTC

WebUX interface

Changes coming early in 2024

- Responsive design for
- Optimizations to save
- Personalization
- Lazy loading

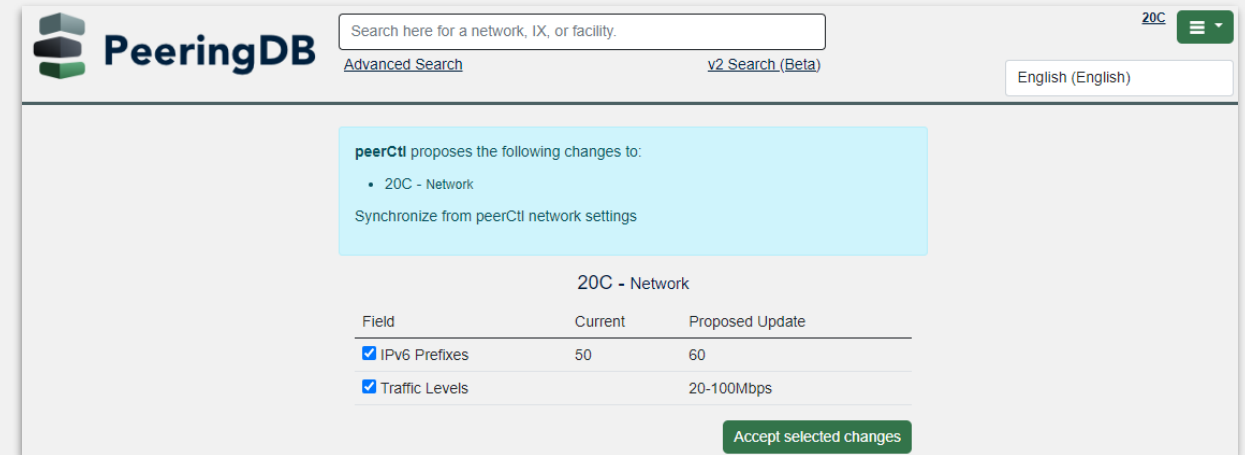
The screenshot displays the PeeringDB website interface for the Equinix Manchester (Science Park) entry. The page features a navigation bar with the PeeringDB logo, a search icon, and links for 'About', 'API', and 'Documentation'. A language dropdown menu is set to 'ENGLISH (ENGLISH)' and a user profile icon is visible. Below the navigation, the main heading is 'Equinix Manchester (Science Park)' with an 'EXPORT' button. A summary bar shows 'Equinix Manchester (Science Park) (2)', 'Carriers (2)', 'Exchanges (2)', and 'Networks (154)'. The main content area is divided into two sections: a metadata table on the left and a 'Facilities' table on the right. The metadata table includes fields like 'Also Known As', 'Long name', 'City', 'Company Website', 'Country Code', 'Last Updated', 'Notes', 'Country Code', 'Campus', and 'Logo'. The 'Facilities' table lists specific data centers with columns for 'Facility', 'AZ', 'Country', and 'City', and includes a 'Filter' button.

Facility	AZ	Country	City
Equinix MA1 - Manchester, Williams/Kilburn		United Kingdom	Manchester
Equinix MA4 - Manchester, Synergy House		United Kingdom	Manchester

Updates from a source of truth

Your internal source of truth can now propose updates to PeeringDB, which can then be approved or denied by a human at the web interface

This is a good fit for networks with lots of records that cannot or do not want to send updates via the API



The screenshot shows the PeeringDB web interface. At the top, there is a search bar with the text "Search here for a network, IX, or facility." and a dropdown menu for "20C". Below the search bar, there are links for "Advanced Search" and "v2 Search (Beta)". A language selector shows "English (English)".

The main content area displays a notification: "peerCtl proposes the following changes to:" followed by a list item "20C - Network" and the text "Synchronize from peerCtl network settings".

Below this, a table shows the proposed changes for the "20C - Network" record:

Field	Current	Proposed Update
<input checked="" type="checkbox"/> IPv6 Prefixes	50	60
<input checked="" type="checkbox"/> Traffic Levels		20-100Mbps

At the bottom right of the table, there is a green button labeled "Accept selected changes".

Import of Data Provided by IXPs

- For Networks
 - Allow IXPs to maintain your IXP connection information
 - One setting for all IXPs where you are connected
 - Off by default
- For IXPs
 - IXPs provide participant data (IP addresses, speed, RS peering)
 - Imported into PeeringDB nightly using IX-F JSON schema
- See issue [#237](#) on GitHub for details

PeeringDB Configuration

Allow IXP Update



Networks Click “Allow IXP Update” in Network Record

Name	DOT1Q	MTU
<input type="checkbox"/> DE-CIX Frankfurt Peering LAN	<input type="checkbox"/>	1500
<input type="text" value="IXF Member Export URL"/>		
<input type="checkbox"/> IPv4	80.81.192.0/21	
<input type="checkbox"/> IPv6	2001:7f8::/64	

IXPs Set Export URL in Exchange Record