Introduction to PeeringDB

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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 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 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

The GUI

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
  - Basic types: org, net, ix, fac, poc
  - Derived types: ixfac, ixlan, ixpfx, netfac, netixlan

- List of objects: https://peeringdb.com/apidocs/

- API documentation: http://docs.peeringdb.com/api_specs/

Quick Example Output in JSON

- List all networks: `curl -sG https://peeringdb.com/api/net`

- Show a specific network: `curl -sG https://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, " ... }
```

A look at Thailand

	Thailand	Indonesia	Kambodia	Laos	Myanmar	Malaysia	Singapore	Taiwan	Europe	US
IX	7									
Facilities	15									
Networks at IX seen in PeeringDB	43	31	0	1	1	1	0	1	0	2	6
Networks in Facilities seen in PeeringDB	41	32	1	1	0	2	1	1	1	0	0
Networks total	60	41	1	2	1	2	1	2	1	2	6
Networks in RIR	562									

PDB in Thailand and Neighbouring Countries

Country	IX	Facilities	Networks at IXes	Networks in Facilities	Networks total	Networks in PeeringDB	Networks in RIR
KH	3	1	18	1	18	30	109
LA	0	0	0	0	0	3	30
MM	1	2	12	1	13	26	81
MY	2	21	98	79	115	83	225
TH	7	15	43	41	60	63	563

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
  - 344 addresses subscribed to the Governance mailing list (as of April 16, 2019)
  - Governance list is at http://lists.peeringdb.com/cgi-bin/mailman/listinfo/pdb-gov
  - More information available at http://gov.peeringdb.com/

Committees

Admin Committee	Operations Committee	Outreach Committee	Product Committee
• Manage administration of user accounts and PeeringDB records • Answer support tickets • Cleansing and completion of PeeringDB records	• Manage PeeringDB infrastructure	• Manage marketing and social media • Develop and maintain presentations, workshops and webinars • Coordinate presentations and attendance at events	• Manage roadmap and development priorities • Ask for input from the community on desired features • Write SoWs to solicit bids to complete requested features
Leads: Arnold Nipper (Chair) Contact:admincom@ lists.peeringdb.com	Leads: Job Snijders (Chair) and Aaron Hughes (Vice Chair) Contact: pdb-ops@ lists.peeringdb.com	Leads: Greg Hankins (Chair) and Bijal Sanghani (Vice Chair) Contact: outreachcom@ lists.peeringdb.com	Leads: Eric Loos (Chair) and Matt Griswold (Vice Chair) Product Manager: Filiz Yilmaz Contact: productcom@ lists.peeringdb.com

New Product Manager

- Filiz Yilmaz joined as our Product Manager on 2019-04-01

- Responsibilities
  - Facilitate the creation of an ongoing roadmap for PeeringDB and provide this as input to the Outreach Committee
  - Shepherd the discussions of issues on GitHub and ensure resolution of issues that require decisions
  - Manage implementation and rollout of new features
  - Maintain the PeeringDB software release schedule
  - Keep Product Committee related documents on docs.peeringdb.com up to date

- Contact: filiz@peeringdb.com

Filiz Yilmaz

Become a PeeringDB Sponsor!
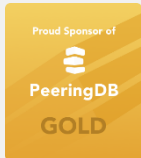
- Diamond Sponsorship - $25,000 / year
  - Limited to 2 sponsors
  - Very large logo on top line of Sponsors page with URL
  - Diamond Sponsor badge display on all records
  - Social media promotion

- 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

Microsoft — Diamond Sponsor

Organization	Microsoft Corporation
Also Known As	8068 8069
Company Website	
Primary ASN	8075

DE-CIX Frankfurt — Platinum Sponsor

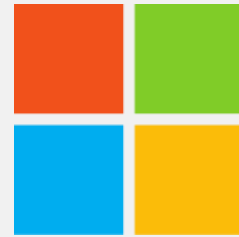| Organization	DE-CIX Management GmbH
Long Name	Deutscher Commercial Internet Exchange
City	Frankfurt
Country	DE
Continental Region	Europe
Media Type	Ethernet

Proud Sponsor of **PeeringDB** — Gold

Contact sponsorship@peeringdb.com for sponsorship info!

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NYIIX

LAIIX

RACK911
complex infrastructure solutions

RIPE NCC
RIPE NETWORK COORDINATION CENTRE

SysEleven

TERACO
AFRICA'S DATA CENTRE

workonline
communications

zenlayer

PeeringDB Rebranding Launch 2019-02-22

- New branding and set of graphics that works together

- Captures the evolving scope of PeeringDB as a resource for peering and interconnection

- The logo design carries three attributes
  - Database
  - Interconnection
  - User-maintained data

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

Internationalization Support

Search here for a network, IX, or facility.

Advanced Search

ghankins ≡

Nokia

Suggest Facility

Profile

Logout

1. Go to Your Profile

Select language

English ▼

English
Portuguese
Italian
Czech
Danish
German
French
Indonesian
Japanese
Russian
Telugu
Chinese

2. Choose Your Language and Click "Set language preference"

Afilie-se à organização

Para afiliar com uma organização existente, favor inserir abaixo o ASN ou o nome da organização.

Para registrar uma nova organização de rede, favor inserir abaixo o ASN e o nome da organização.

Para registrar uma nova infraestrutura ou organização de ponto de troca, favor inserir abaixo o nome da organização (o ASN é opcional).

To register a new facility or exchange organization, please enter the organization name below (ASN is optional).

ASN

Organização

Afiliado

3. Text Now Appears in the Selected Language!

Current Translations

Language	Translated		Words	
Chinese (Simplified)		94.4%		83.3%
Chinese (Traditional)		94.4%		83.3%
Czech		84.2%		67.1%
Danish		29.6%		15.2%
English (United States)		0.0%		0.0%
French		88.9%		74.4%
German		100.0%		100.0%
Greek		89.2%		74.4%
Indonesian		0.0%		0.0%
Italian		86.5%		73.7%
Japanese		89.2%		74.3%
Portuguese		86.2%		73.4%
Romanian		0.0%		0.0%
Russian		87.8%		73.1%
Spanish		86.4%		73.4%
Telugu		0.0%		0.0%
Thai		0.0%		0.0%

■ Approved ■ Good ■ Failing checks ■ Needs editing

How to Contribute to Translations

1. Open a new issue named "Please generate locale files" on the GitHub issue page: https://github.com/peeringdb/peeringdb/issues

2. Your language / locale will be added to https://translate.peeringdb.com

3. Add yourself for selected languages / locales
   - Login to https://translate.peeringdb.com with your PeeringDB credentials
   - Edit your profile https://translate.peeringdb.com/accounts/profile/ and add languages your want to help translating

4. PeeringDB team continuously uploads the files to the beta website
   - You can check your translation on the beta website: https://beta.peeringdb.com/
   - If ~80% translated it will go into production

For more info visit: https://docs.peeringdb.com/translation/

Mailing list: https://lists.peeringdb.com/cgi-bin/mailman/listinfo/pdb-translate

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

- Presentation requests: outreachcom@lists.peeringdb.com

- Uptime status: http://status.peeringdb.com/

- Bugs and feature requests: https://github.com/peeringdb/peeringdb/

- Social media:

  https://www.facebook.com/peeringdb/

  https://www.linkedin.com/company/peeringdb

  @PeeringDB

PeeringDB

Questions?