



**PeeringDB**

# Introduction to PeeringDB



**SAFNOG**

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# What is PeeringDB?

- Why should my facility, IXP or network 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


# SAFNOG Region from PeeringDB's Point of View

Country	IX	Facilities	Networks at IXes	Networks in Facilities	Networks total	Networks in PeeringDB	Networks in RIR
AO	2	4	17	8	21	15	56
BW	0	0	0	0	0	6	24
KM	0	0	0	0	0	0	2
CD	1	1	0	0	0	7	35
SZ	1	0	2	0	2	3	9
LS	0	0	0	0	0	1	10
MG	1	1	6	0	6	4	9
MW	1	1	4	0	4	4	16
MU	1	3	7	2	8	15	35
MZ	1	2	7	3	9	5	27
NA	1	0	5	0	5	3	16
SC	0	0	0	0	0	9	21
ZA	6	18	352	247	384	313	538
TZ	5	4	28	7	29	20	79
ZM	1	3	2	0	2	3	19
ZW	1	2	0	0	0	6	26

# The GUI // org View

TISPA - Tanzania Internet Service Providers Association

Edit

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

Website	<a href="http://tispa.or.tz/">http://tispa.or.tz/</a>
Address 1	P.O. Box 80449
Address 2	3rd Floor, Posta House, Ghana Street
Location	Dar es Salaam, , 11102
Country Code	TZ
Notes	

## Facilities

Filter

Name ▼	Country City
<a href="#">Tanzania National Internet Data Center</a>	Tanzania Dar es Salaam
<a href="#">TIX - Tanzania - Posta House</a>	Tanzania Dar es Salaam

## Networks

Filter

Name ▼	ASN
<a href="#">TIX Tanzania - Arusha Mgmnt</a>	327852
<a href="#">TIX Tanzania - Arusha Route Servers</a>	37710
<a href="#">TIX Tanzania - Dar es Salaam Mgmnt</a>	327844
<a href="#">TIX Tanzania - Dar es Salaam Route Servers</a>	33791
<a href="#">TIX Tanzania - Dodoma Mgmnt</a>	328325
<a href="#">TIX Tanzania - Dodoma Route Servers</a>	37778
<a href="#">TIX Tanzania - Mbeya Mgmnt</a>	328326
<a href="#">TIX Tanzania - Mbeya Route Servers</a>	37779
<a href="#">TIX Tanzania - Mwanza Mgmnt</a>	328022
<a href="#">TIX Tanzania - Mwanza Route Servers</a>	37769
<a href="#">TIX Tanzania - Zanzibar Mgmnt</a>	328294
<a href="#">TIX Tanzania - Zanzibar Route Servers</a>	37777

## Exchanges

Filter

Name ▼	Country City
<a href="#">TIX Tanzania - Arusha</a>	Tanzania Arusha
<a href="#">TIX Tanzania - Dar es Salaam</a>	Tanzania Dar es Salaam
<a href="#">TIX Tanzania - Dodoma</a>	Tanzania Dodoma
<a href="#">TIX Tanzania - Mwanza</a>	Tanzania Mwanza
<a href="#">TIX Tanzania - Zanzibar</a>	Tanzania Zanzibar

Facilities are Shown  
Here  
TISPA has 2 Facilities

Networks are Shown  
Here  
TISPA has 12 Network  
Records

Exchanges are Shown Here  
TISPA has 5 Exchange Records

# The GUI // ix View

IX Information is Shown Here

LAN Information is Shown Here  
TIX Tanzania has 2 IPFX Records

Facility Information is Shown Here  
TIX Tanzania is in 2 Facilities

## TIX Tanzania - Dar es Salaam

[Edit](#)

Organization	<a href="#">TISPA - Tanzania Internet Service Providers Association</a>
Long Name	Tanzania Internet eXchange
City	Dar es Salaam
Country	Tanzania
Continental Region	Africa
Media Type	Ethernet
Protocols Supported	<input checked="" type="radio"/> Unicast IPv4 <input type="radio"/> Multicast <input checked="" type="radio"/> IPv6
Notes	

### Contact Information

Company Website	<a href="http://tix.or.tz/">http://tix.or.tz/</a>
Traffic Stats Website	<a href="https://stats.tix.or.tz/">https://stats.tix.or.tz/</a>
Technical Email	<a href="mailto:info@tix.or.tz">info@tix.or.tz</a>
Technical Phone	
Policy Email	<a href="mailto:info@tix.or.tz">info@tix.or.tz</a>
Policy Phone	

### LANs

Name	DOT1Q	MTU
	<input type="radio"/>	9000

☐ Enable IX-F Import[Preview](#)

IPv6 2001:43f8::/64  
IPv4 196.223.5.0/24

### Local Facilities

Facility	Country	City
<a href="#">Tanzania National Internet Data Center</a>	Tanzania	Dar es Salaam
<a href="#">TIX - Tanzania - Posta House</a>	Tanzania	Dar es Salaam

## Peers at this Exchange Point

Peer Name ASN	IPv4 IPv6	Speed Policy
<a href="#">Akamai Technologies</a>	196.223.5.54	10G
20940	None	Open
<a href="#">Liquid Telecommunications Ltd</a>	196.223.5.53	10G
30844	2001:43f8::35	Open
<a href="#">SimbaNET Tanzania</a>	196.223.5.22	10G
37084	2001:43f8::16	Open
<a href="#">TIGO TZ</a>	196.223.5.43	10G
37035	None	Open
<a href="#">TIGO TZ</a>	196.223.6.25	10G
37035	None	Open
<a href="#">Zanzibar Telecom</a>	196.223.5.42	10G
36930	2001:43f8::2a	Selective
<a href="#">SEACOM Limited</a>	196.223.5.62	2G
37100	2001:43f8::3e	Selective
<a href="#">Tanzania Telecommunications Corporation</a>	196.223.5.32	2G
33765	None	Open
<a href="#">AFRINIC DNS Support</a>	196.223.5.9	1G
37177	2001:43f8::9	Open
<a href="#">AFRINIC RFC5855 Service</a>	196.223.5.10	1G
37181	2001:43f8::a	Open
<a href="#">Aptus Solutions</a>	196.223.5.38	1G
37349	2001:43f8::26	Open
<a href="#">Bell Communications Ltd</a>	196.223.5.46	1G
37126	2001:43f8::2e	Open
<a href="#">Benson Informatics Ltd</a>	196.223.5.41	1G
33772	2001:43f8::29	Open
<a href="#">Capital Technologies</a>	196.223.5.61	1G

Peers are Shown Here

# 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/](http://docs.peeringdb.com/api_specs/)

# Quick Example Output in JSON

- List all networks: `curl -sG https://peeringdb.com/api/net`
- Specific: [https://peeringdb.com/api/net/20?pretty&depth=0&fields=id,org\\_id,name,asn,created,updated](https://peeringdb.com/api/net/20?pretty&depth=0&fields=id,org_id,name,asn,created,updated)

```
{
  "meta": {},
  "data": [
    {
      "id": 20,
      "org_id": 10356,
      "name": "20C",
      "asn": 63311,
      "created": "2014-11-17T14:59:34Z",
      "updated": "2019-02-23T00:12:20Z"
    }
  ]
}
```

# 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
<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: Stefan Funke (Chair)</p> <p>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)</p> <p>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: Greg Hankins (Chair) and Bijal Sanghani (Vice Chair)</p> <p>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: Stephen McManus (Chair) and Matt Griswold (Vice Chair)</p> <p>Product Manager: Filiz Yilmaz</p> <p>Contact: <a href="mailto:productcom@lists.peeringdb.com">productcom@lists.peeringdb.com</a></p>

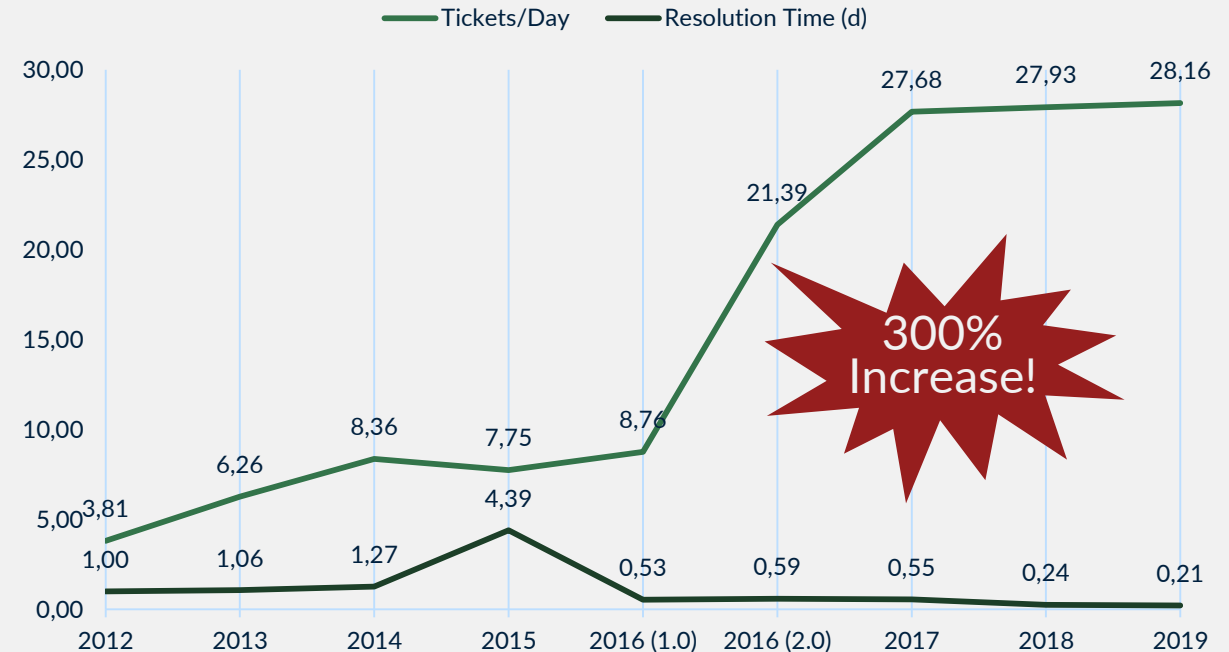
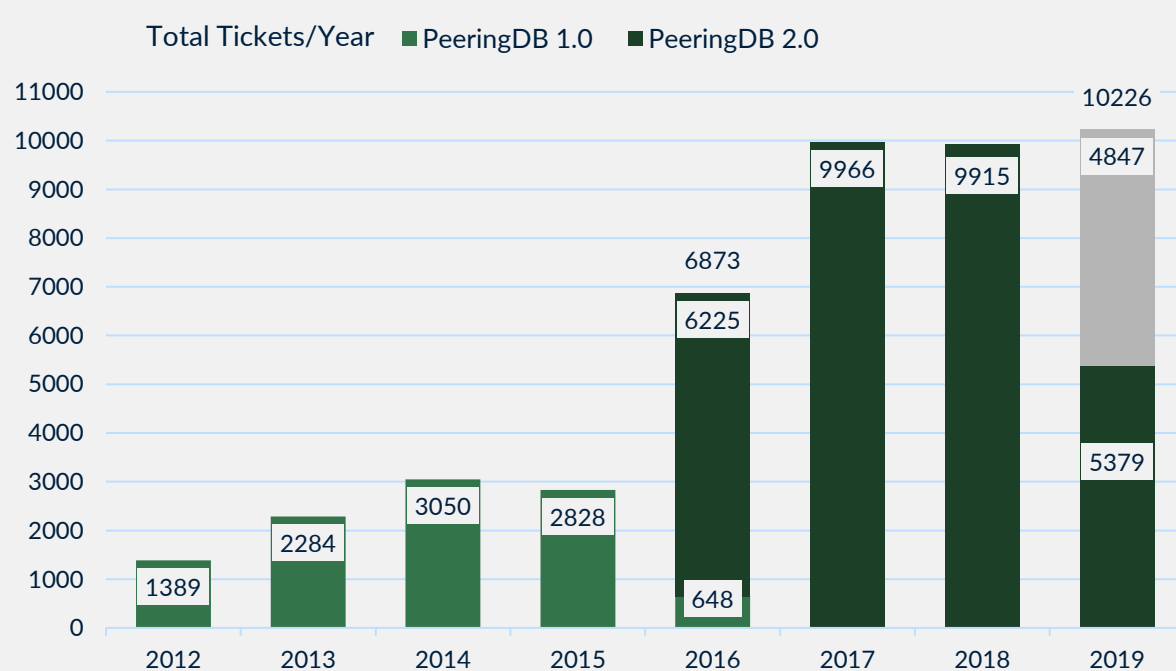
# New Product Manager

- 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](https://docs.peeringdb.com) up to date
- Contact: [filiz@peeringdb.com](mailto:filiz@peeringdb.com)



Filiz Yilmaz

# 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

# Become a PeeringDB Sponsor!

- Diamond Sponsorship - \$25,000 / year



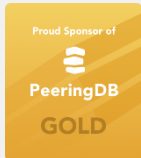
- Limited to 2 sponsors
- Very large logo on top line of Sponsors page with URL
- Diamond Sponsor badge display on all records
- Social media promotion

- 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	<a href="#">Microsoft Corporation</a>
Also Known As	8068 8069
Company Website	
Primary ASN	8075

## DE-CIX Frankfurt Platinum Sponsor

Organization	<a href="#">DE-CIX Management GmbH</a>
Long Name	Deutscher Commercial Internet Exchange
City	Frankfurt
Country	DE
Continental Region	Europe
Media Type	Ethernet



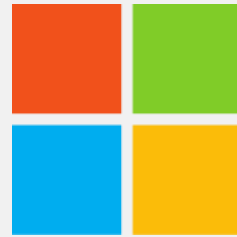
Proud Sponsor of

**PeeringDB**  Gold

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

# Thank you to our sponsors!

Diamond  
Sponsor



Microsoft

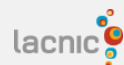
Platinum  
Sponsors



Gold  
Sponsors



Silver  
Sponsors



# 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>

# 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 documentation on <https://docs.peeringdb.com/ix-f-json-import-rules/>

## PeeringDB Configuration

Allow IXP Update

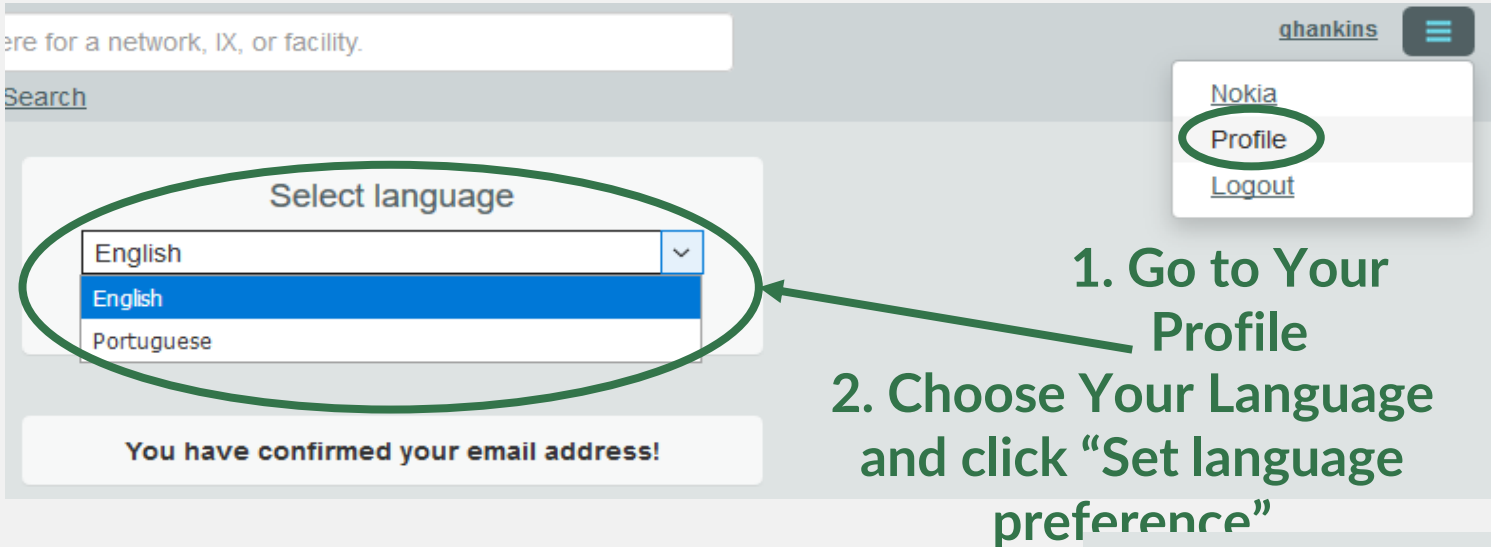
☐

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

# Internationalization Support – New in 2.9.1



Search for a network, IX, or facility.

Search

Select language

English

English

Portuguese

You have confirmed your email address!

ghankins

Nokia

Profile

Logout

1. Go to Your Profile
2. Choose Your Language and click “Set language preference”

3. Text Now Appears in the Selected Language!

**Translations Wanted!**  
Get in Touch With  
[productcom@lists.peeringdb.com](mailto:productcom@lists.peeringdb.com) if You  
are Interested in Translating.

Especificamente, somos um banco de dados de redes que fazem peering, onde eles fazem peering, e se eles gostariam de fazer peering com você. Se você não sabe o que é peering, e/ou se você ainda não faz peering, então isso provavelmente não terá qualquer significado para você.

Você está atualmente numa visualização somente leitura dos dados contidos aqui. Se você é uma rede de peering que gostaria de criar uma conta, [você pode se registrar para uma aqui](#). Por favor, registrar apenas se estiver uma rede de Peering

Ainda tem dúvidas ou perguntas? [Leia o nosso FAQ](#)



# Current Translations

Language ▾	Translated ▾	Words ▾
Arabic	<div><div></div></div> 0.0%	<div><div></div></div> 0.0%
Chinese (Simplified)	<div><div></div></div> 88.7%	<div><div></div></div> 78.1%
Chinese (Traditional)	<div><div></div></div> 90.1%	<div><div></div></div> 78.9%
Czech	<div><div></div></div> 79.3%	<div><div></div></div> 62.8%
Danish	<div><div></div></div> 27.9%	<div><div></div></div> 14.0%
English (United States)	<div><div></div></div> 0.0%	<div><div></div></div> 0.0%
French	<div><div></div></div> 83.9%	<div><div></div></div> 69.8%
German	<div><div></div></div> 100.0%	<div><div></div></div> 100.0%
Greek	<div><div></div></div> 84.3%	<div><div></div></div> 71.1%
Indonesian	<div><div></div></div> 0.0%	<div><div></div></div> 0.0%
Italian	<div><div></div></div> 81.5%	<div><div></div></div> 69.0%
Japanese	<div><div></div></div> 92.1%	<div><div></div></div> 88.4%
Portuguese	<div><div></div></div> 91.1%	<div><div></div></div> 82.2%
Romanian	<div><div></div></div> 0.0%	<div><div></div></div> 0.0%
Russian	<div><div></div></div> 82.7%	<div><div></div></div> 68.4%
Spanish (Spain)	<div><div></div></div> 81.2%	<div><div></div></div> 68.8%
Telugu	<div><div></div></div> 0.0%	<div><div></div></div> 0.0%
Thai	<div><div></div></div> 0.0%	<div><div></div></div> 0.0%
Turkish	<div><div></div></div> 0.0%	<div><div></div></div> 0.0%

# 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/>
- For more info visit: <https://docs.peeringdb.com/translation/>

# 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](mailto:stewards@lists.peeringdb.com)
- Admins: [support@peeringdb.com](mailto:support@peeringdb.com)
- Presentation requests: [outreachcom@lists.peeringdb.com](mailto: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](https://twitter.com/PeeringDB)



**PeeringDB**

**Questions?**