PeeringDB

Introduction to PeeringDB

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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

Africa from PeeringDB's Point of View

Country	IX	Facilities	Networks at IXes	Networks in Facilities	Networks total	Networks in PeeringDB	Networks in RIR
ZA	6	18	352	247	384	313	538
NG	5	7	43	19	45	37	183
TZ	5	4	28	7	29	20	79
KE	3	9	40	33	49	26	111
AO	2	4	17	8	21	15	56
EG	2	4	5	4	8	9	76
CM	2	2	2	0	2	8	21

Africa from PeeringDB's Point of View

Country	IX	Facilities	Networks at IXes	Networks in Facilities	Networks total	Networks in PeeringDB	Networks in RIR
GH	1	5	19	13	25	15	75
MU	1	3	7	2	8	15	35
GA	1	3	9	4	10	6	18
ZM	1	3	2	0	2	3	19
UG	1	2	16	4	16	13	44
TN	1	2	4	1	5	9	24
CG	1	2	5	2	7	8	16
ZW	1	2	0	0	0	6	26
MZ	1	2	7	3	9	5	27
CD	1	1	0	0	0	7	35
BI	1	1	8	0	8	7	10
CI	1	1	7	1	8	6	18

Africa from PeeringDB's Point of View

Country	IX	Facilities	Networks at IXes	Networks in Facilities	Networks total	Networks in PeeringDB	Networks in RIR
BJ	1	1	6	0	6	5	13
SD	1	1	2	0	2	5	10
MW	1	1	4	0	4	4	16
MG	1	1	6	0	6	4	9
DJ	1	1	12	8	14	3	3
RW	1	1	9	3	9	2	19
GN	1	1	1	1	1	2	13
SO	1	0	2	0	2	6	18
TG	1	0	5	0	5	5	8
NA	1	0	5	0	5	3	16
SZ	1	0	2	0	2	3	9
RE	1	0	6	0	6	2	4

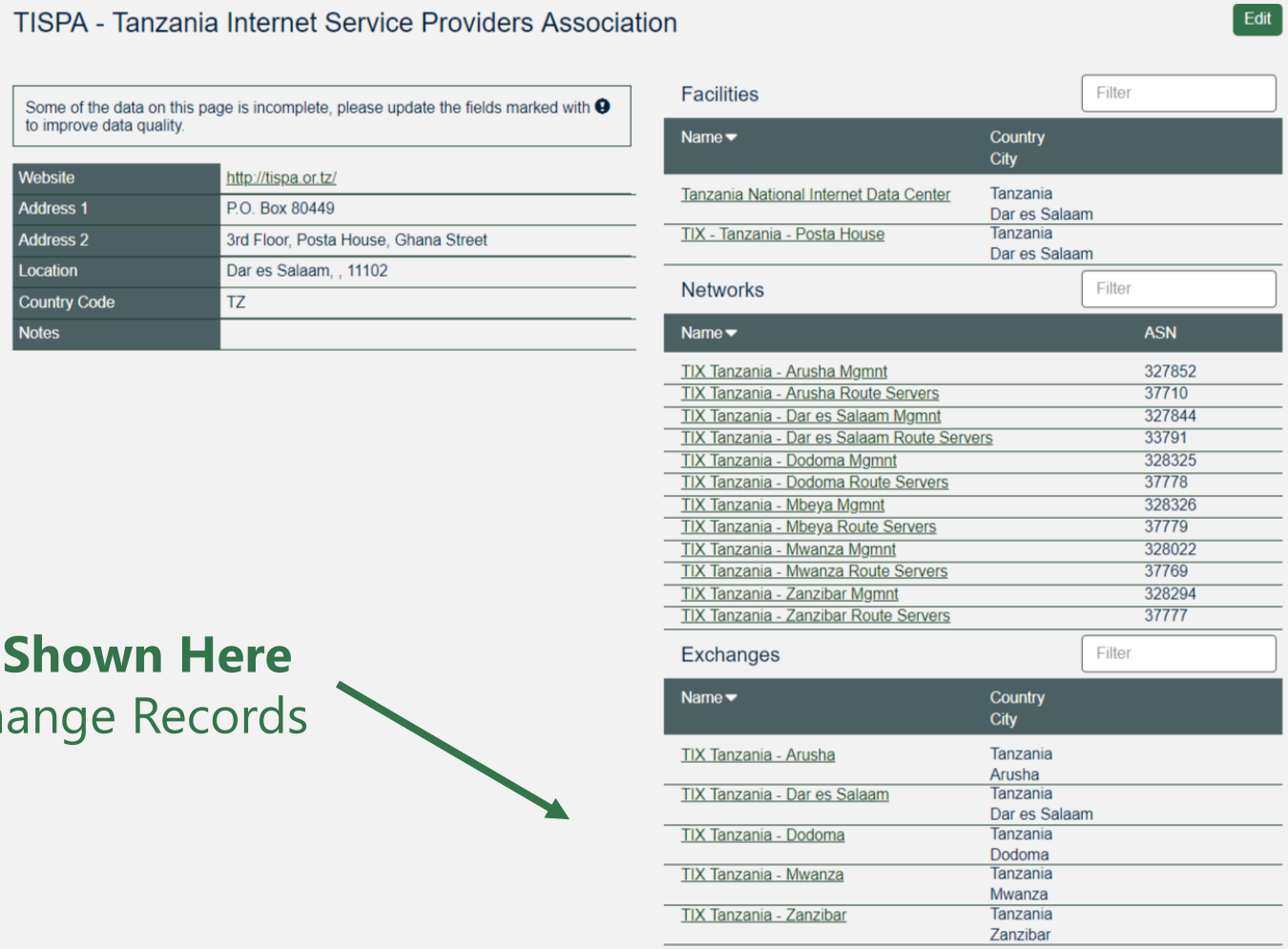
Africa from PeeringDB's Point of View

Country	IX	Facilities	Networks at IXes	Networks in Facilities	Networks total	Networks in PeeringDB	Networks in RIR
MA	0	3	0	2	2	6	16
BF	0	1	0	1	1	7	20
GM	0	1	0	0	0	5	10
SC	0	0	0	0	0	9	21
BW	0	0	0	0	0	6	24
DZ	0	0	0	0	0	4	16
LR	0	0	0	0	0	4	12
LY	0	0	0	0	0	3	11
ML	0	0	0	0	0	3	11
SN	0	0	0	0	0	2	10
LS	0	0	0	0	0	1	10
TD	0	0	0	0	0	1	9
GQ	0	0	0	0	0	1	7
CV	0	0	0	0	0	1	4
ET	0	0	0	0	0	1	2

Africa from PeeringDB's Point of View

Country	IX	Facilities	Networks at IXes	Networks in Facilities	Networks total	Networks in PeeringDB	Networks in RIR
SL	0	0	0	0	0	0	16
SS	0	0	0	0	0	0	10
NE	0	0	0	0	0	0	7
MR	0	0	0	0	0	0	4
CF	0	0	0	0	0	0	2
GW	0	0	0	0	0	0	2
KM	0	0	0	0	0	0	2
ST	0	0	0	0	0	0	2
YT	0	0	0	0	0	0	2
ER	0	0	0	0	0	0	1

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	http://tispa.or.tz/
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
Tanzania National Internet Data Center	Tanzania Dar es Salaam
TIX - Tanzania - Posta House	Tanzania Dar es Salaam

Networks

Filter

Name	ASN
TIX Tanzania - Arusha Mgmnt	327852
TIX Tanzania - Arusha Route Servers	37710
TIX Tanzania - Dar es Salaam Mgmnt	327844
TIX Tanzania - Dar es Salaam Route Servers	33791
TIX Tanzania - Dodoma Mgmnt	328325
TIX Tanzania - Dodoma Route Servers	37778
TIX Tanzania - Mbeya Mgmnt	328326
TIX Tanzania - Mbeya Route Servers	37779
TIX Tanzania - Mwanza Mgmnt	328022
TIX Tanzania - Mwanza Route Servers	37769
TIX Tanzania - Zanzibar Mgmnt	328294
TIX Tanzania - Zanzibar Route Servers	37777

Exchanges

Filter

Name	Country City
TIX Tanzania - Arusha	Tanzania Arusha
TIX Tanzania - Dar es Salaam	Tanzania Dar es Salaam
TIX Tanzania - Dodoma	Tanzania Dodoma
TIX Tanzania - Mwanza	Tanzania Mwanza
TIX Tanzania - Zanzibar	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

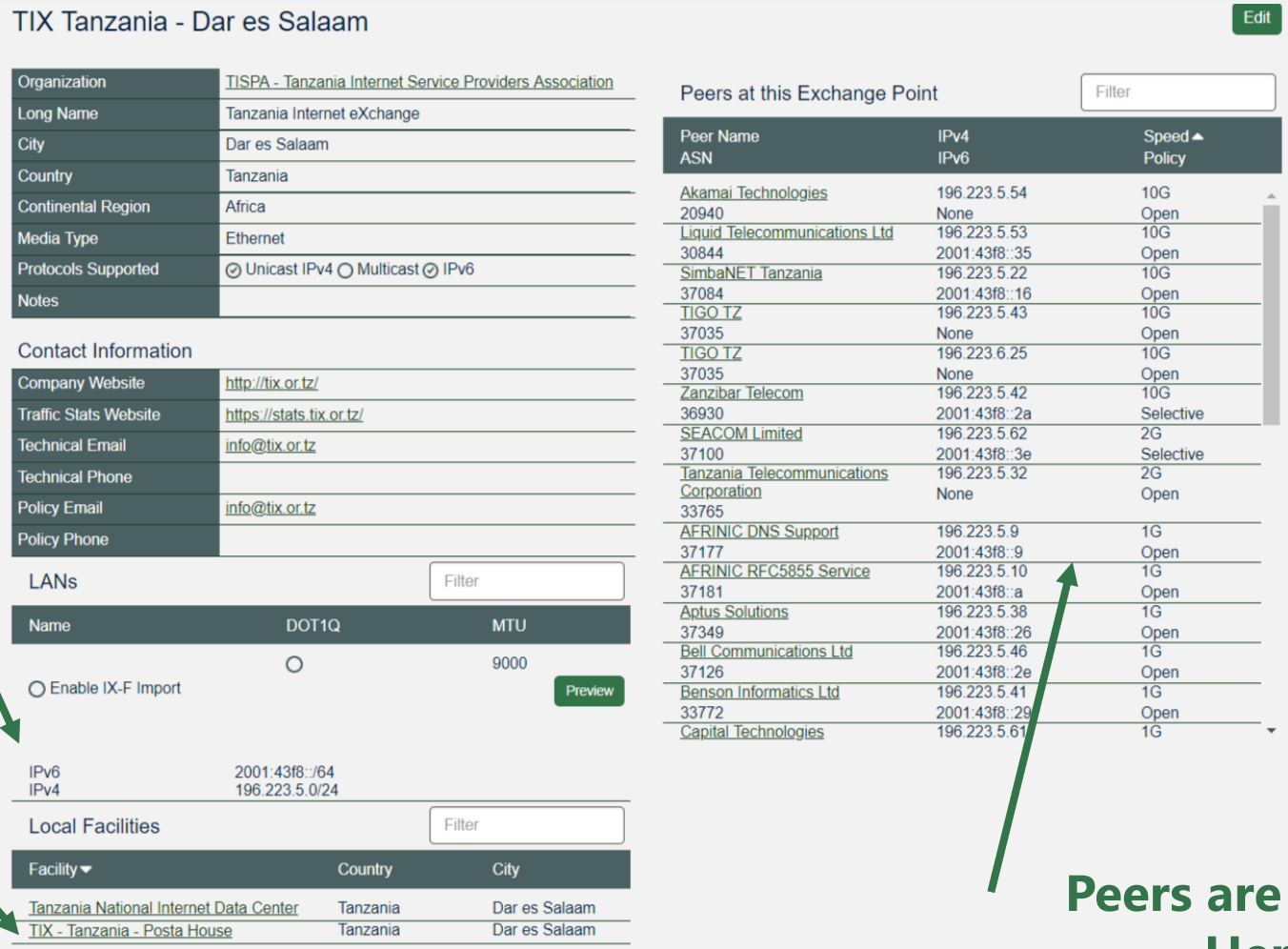
IX Information is Shown Here

LAN Information is Shown Here

TIX Tanzania has 2 IPFX Records

acility Information is Shown Here

TIX Tanzania is in 2 Facilities



TIX Tanzania - Dar es Salaam

Edit

Organization	TISPA - Tanzania Internet Service Providers Association
Long Name	Tanzania Internet eXchange
City	Dar es Salaam
Country	Tanzania
Continental Region	Africa
Media Type	Ethernet
Protocols Supported	⊘ Unicast IPv4 ○ Multicast ⊘ IPv6
Notes	

Contact Information

Company Website	http://tix.or.tz/
Traffic Stats Website	https://stats.tix.or.tz/
Technical Email	info@tix.or.tz
Technical Phone	
Policy Email	info@tix.or.tz
Policy Phone	

LANs — Filter

Name	DOT1Q	MTU
	○	9000

○ Enable IX-F Import — Preview

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

Local Facilities — Filter

Facility	Country	City
Tanzania National Internet Data Center	Tanzania	Dar es Salaam
TIX - Tanzania - Posta House	Tanzania	Dar es Salaam

Peers at this Exchange Point — Filter

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

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


```
{
  "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

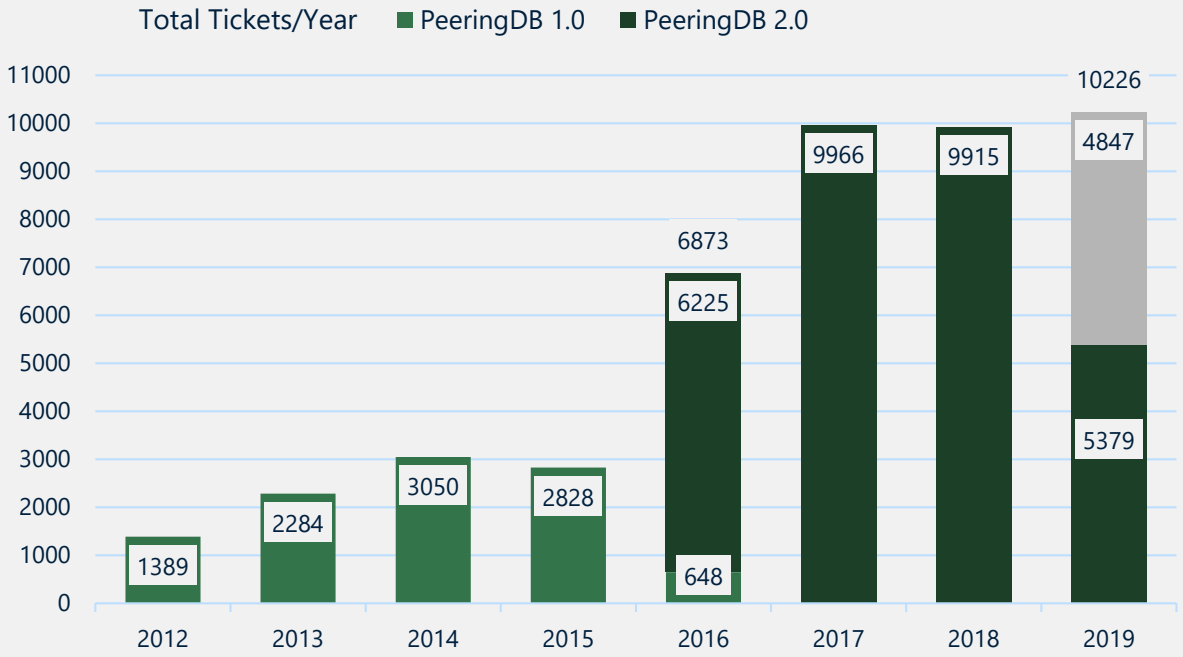
Admin Committee	Operations Committee	Outreach Committee	Product Committee
• Manage administration of user accounts and PeeringDB records • Answer support tickets • Cleansing and completion of PeeringDB records	• Manage PeeringDB infrastructure	• Manage marketing and social media • Develop and maintain 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: Stefan Funke (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: Stephen McManus (Chair) and Matt Griswold (Vice Chair) Product Manager: Filiz Yilmaz Contact: productcom@lists.peeringdb.com

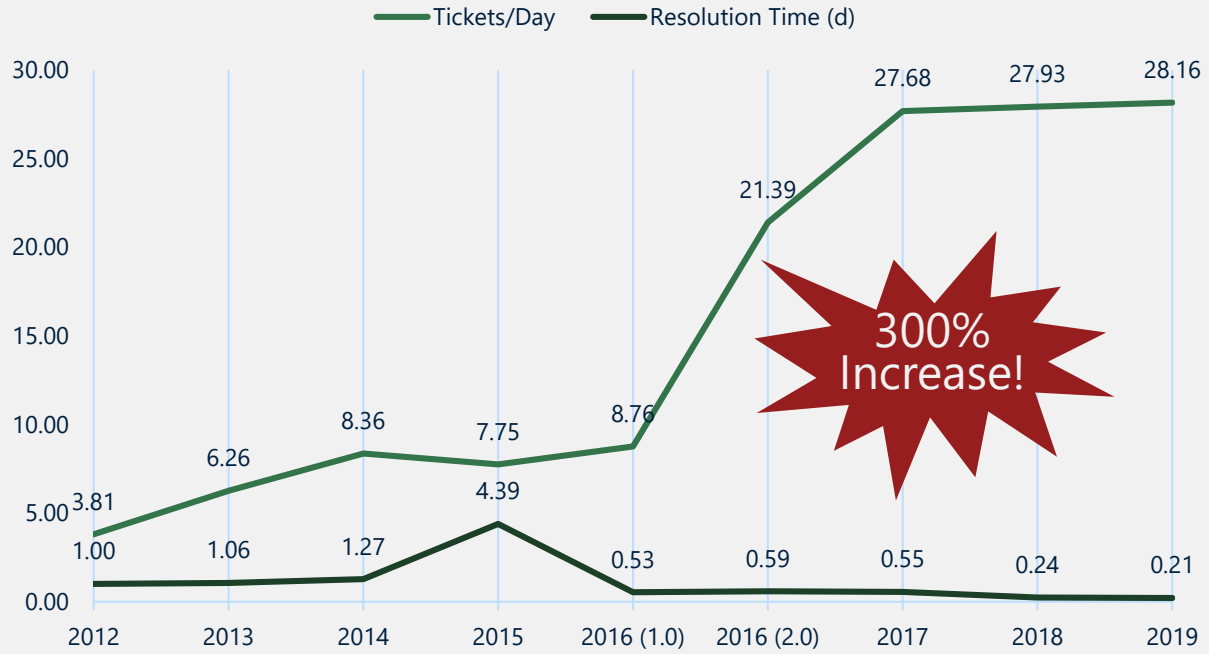
New Product Manager

- 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

Support Ticket Statistics

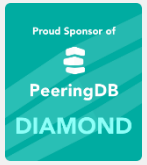




- Admin Committee volunteers are based around the world in a variety of time zones with diverse language skills
- Goal is to resolve support tickets within 24 hours

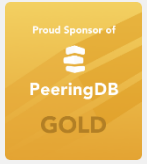
Become a PeeringDB Sponsor!

- 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	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

Contact sponsorship@peeringdb.com for sponsorship info!

Thank you to our sponsors!

Diamond Sponsor

amazon

Microsoft

Platinum Sponsors

BCIX Berlin Commercial Internet Exchange

DE-CIX

Gold Sponsors

e-shelter

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Convergence hub

Internet Society

IX AUSTRALIA powered by Internet Association of Australia

PREFIX IPv4 BROKER

Stealth COMMUNICATIONS

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APNIC

BBIX

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interxion

jpix

KDDI

TELEHOUSE

lacnic

linx

NETNOD

NIX.CZ

NLIX

NTT Communications

NYIIX

LAIIX

RACK911 complex infrastructure solutions

RIPE NCC RIPE NETWORK COORDINATION CENTRE

SysEleven

TERACO AFRICA'S DATA CENTRE

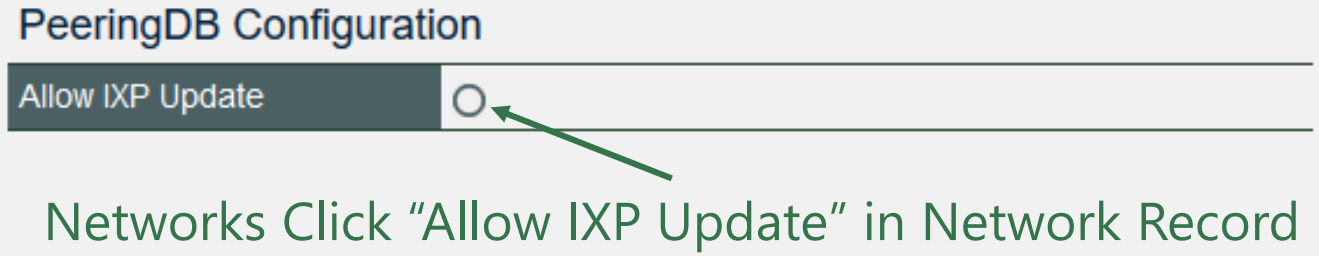
zenlayer

PeeringDB is Open Source Software!

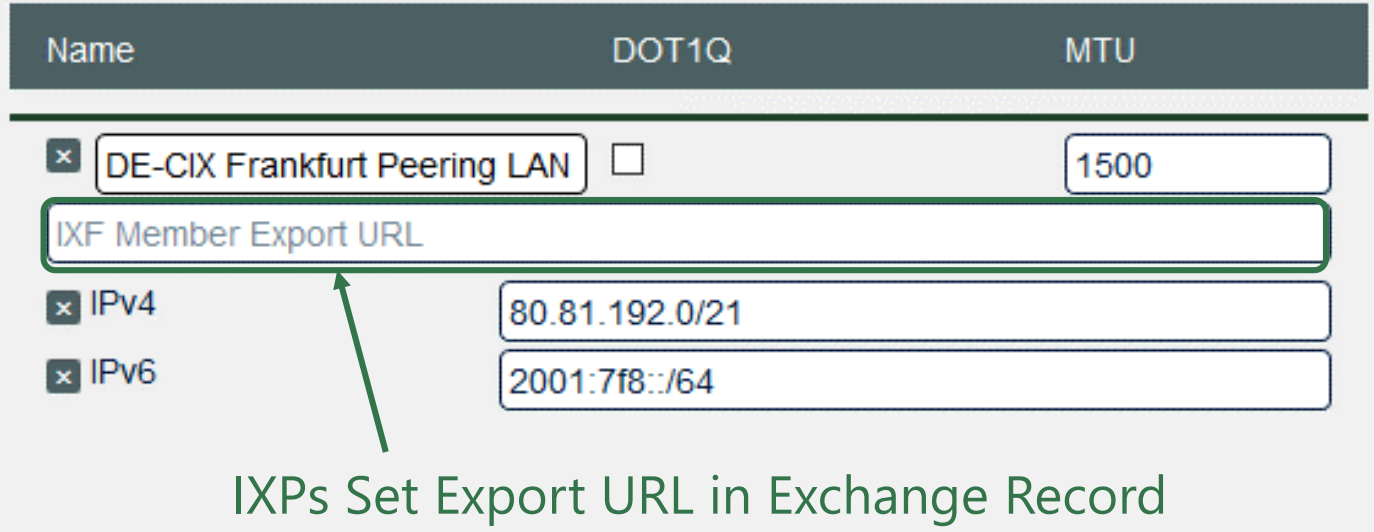
- Open source release announcement on 2018-11-10
  - Released under the 2-Clause BSD License: https://opensource.org/licenses/BSD-2-Clause
- Beneficial to the peering and interconnection community by promoting innovation
  - Allows volunteers to contribute
  - Makes it easier for third parties to bid 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/

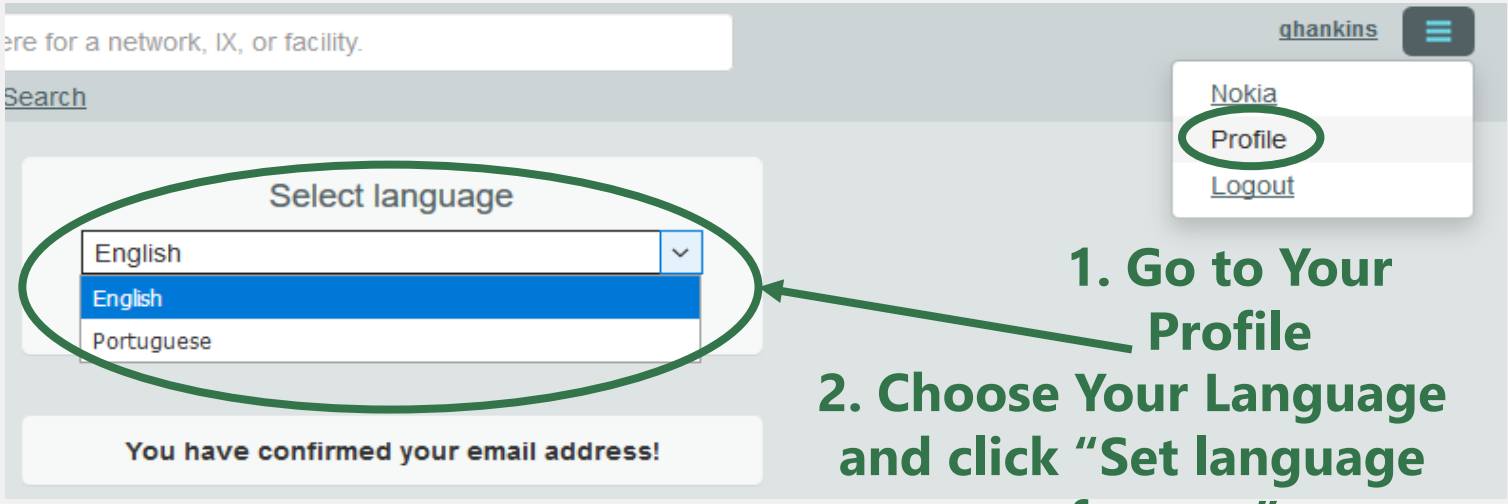


Networks Click "Allow IXP Update" in Network Record



IXPs Set Export URL in Exchange Record

Internationalization Support – New in 2.9.1



1. Go to Your Profile

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

3. Text Now Appears in the Selected Language!

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

Translations Wanted!

Get in Touch With productcom@lists.peeringdb.com if You are Interested in Translating.

Current Translations

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