



**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

# Austria and its Neighbours

IX Facilities	Nets at IXes	Nets in Facilities	Nets total	Nets in F
5	36	139	158	196
9	54	224	223	296
5	27	193	124	222
24	188	1074	909	1339
1	6	40	41	54
10	62	308	243	361
1	3	12	6	13
3	6	59	49	77
1	6	15	7	17

# The GUI

## University of Vienna

Website	<a href="http://zid.univie.ac.at">http://zid.univie.ac.at</a>
Address 1	Universitätsstraße 7
Address 2	ZID/ACOnet & VIX
Location	Vienna, Vienna, 1010
Country Code	Austria
Notes	

Exchanges are Shown Here  
University of Vienna  
has 1 Exchange Record



[Edit](#)

Facilities

Name ▼	Country	City
<a href="#">Vienna University Computer Center (Wien)</a>	Austria	Vienna

Networks

Name ▼	ASN
<a href="#">ACOnet</a>	1853
<a href="#">Vienna Internet eXchange &amp; ACOnet services</a>	1120
<a href="#">VIX Route Servers</a>	1121

Exchanges

Name ▼	Country	City
<a href="#">VIX</a>	Austria	Vienna

Facilities are Shown  
Here  
University of Vienna  
has 1 Facility



Networks are Shown  
Here  
Univeristy of Vienna  
has 3 Network  
Records



# 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

- Manage administration of user accounts and PeeringDB records
- Answer support tickets

Leads: Stefan Funke (Chair)

Contact:  
[admincom@lists.peeringdb.com](mailto:admincom@lists.peeringdb.com)

## Operations Committee

- Manage PeeringDB infrastructure

Leads: Job Snijders (Chair) and Aaron Hughes (Vice Chair)

Contact:  
[pdb-ops@lists.peeringdb.com](mailto:pdb-ops@lists.peeringdb.com)

## Outreach Committee

- Manage marketing and social media
- Develop and maintain presentations, workshops and webinars
- Coordinate presentations and attendance at events

Leads: Greg Hankins (Chair) and Bijal Sanghani (Vice Chair)

Contact:  
[outreachcom@lists.peeringdb.com](mailto:outreachcom@lists.peeringdb.com)

## Product Committee

- Manage roadmap and development priorities
- Ask for input from the community on desired features
- Write SoWs to solicit bids to complete requested features

Leads: Eric Loos (Chair) and Matt Griswold (Vice Chair)

Product Manager: Filiz Yilmaz  
Contact:  
[productcom@lists.peeringdb.com](mailto:productcom@lists.peeringdb.com)

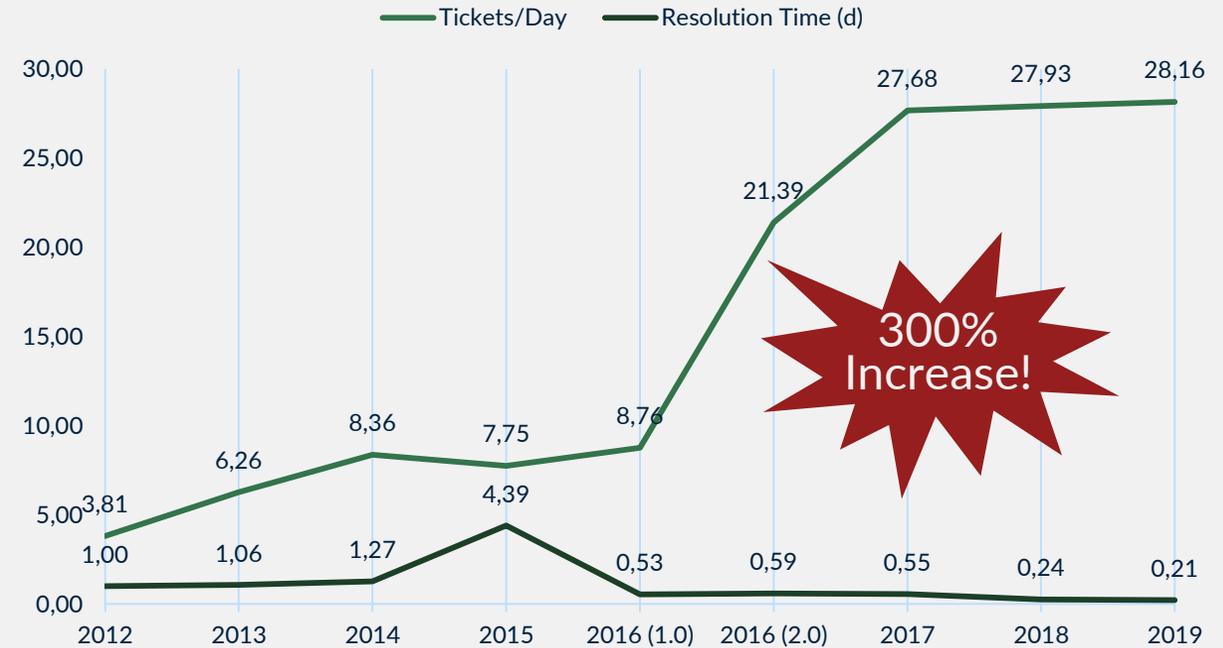
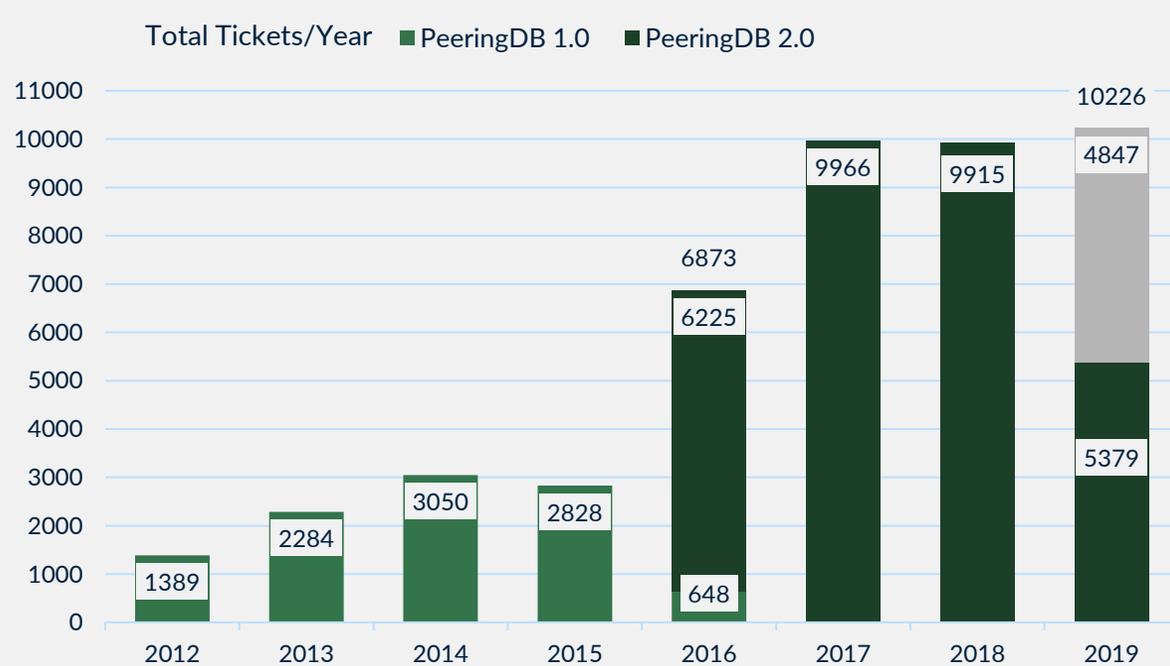
# New Product Manager

- 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](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



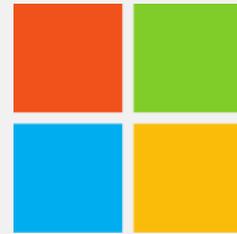
Proud Sponsor of

**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

e-shelter

facebook



Silver  
Sponsors



# Rebranding

- Having branding and set of graphics that work together
- Capturing the evolving scope of PeeringDB as a resource of 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>

# 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

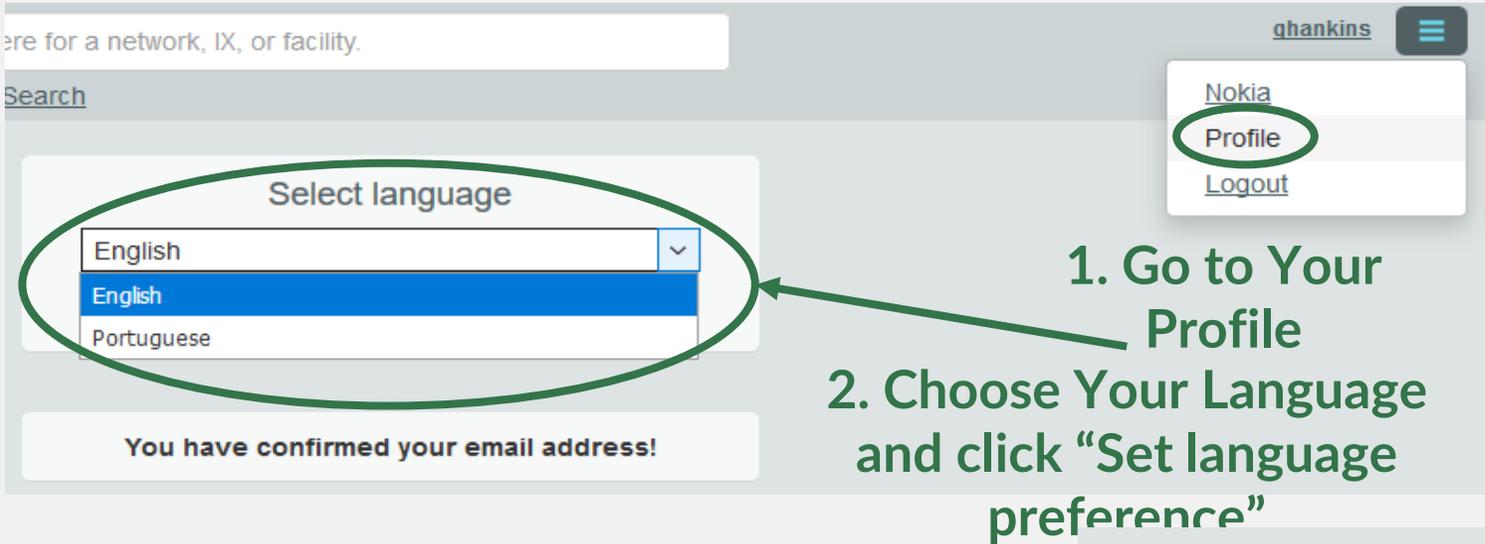


Networks Click “Allow IXP Update” in Network Record

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!

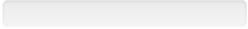
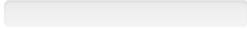
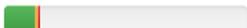
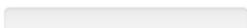
**Translations Wanted!**  
Get in Touch With  
[productcom@lists.peeringdb.com](mailto:productcom@lists.peeringdb.com) if You  
are Interested in Translating.

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	 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 you 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:  
[outreach@lists.peeringdb.com](mailto:outreach@lists.peeringdb.com)
- Uptime status: <http://status.peeringdb.com/>
- Bugs and feature requests:  
<https://github.com/peeringdb/peeringdb/>
- Social media:
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  - <https://www.facebook.com/peeringdb/>
  - <https://www.linkedin.com/company/peeringdb>





**PeeringDB**

**Questions?**