



PeeringDB

PeeringDB Update

Stefan Funke

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Greetings from PeeringDB

- What is PeeringDB?
- PeeringDB and Austria
- Why should my facility, IXP or network be listed in PeeringDB?
- How can I use PeeringDB?
- How can I support PeeringDB?
- What's new?

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">• Manage administration of user accounts and PeeringDB records• Answer support tickets• Cleansing and completion of PeeringDB records <p>Leads: Stefan Funke (Chair)</p> <p>Contact: admincom@lists.peeringdb.com</p>	<ul style="list-style-type: none">• Manage PeeringDB infrastructure <p>Leads: Job Snijders (Chair) and Aaron Hughes (Vice Chair)</p> <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>Leads: Greg Hankins (Chair) and Bijal Sanghani (Vice Chair)</p> <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>Leads: Stephen McManus (Chair) and Matt Griswold (Vice Chair)</p> <p>Product Manager: Filiz Yilmaz</p> <p>Contact: productcom@lists.peeringdb.com</p>

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

Stats for Österreich (Facilities)

- Facilities

- 36 Total

- 14 Wien
- 2 Klagenfurt
- 3 Innsbruck
- 3 Linz
- 3 Hall
- 3 Salzburg
- 2 Graz
- 1 Feldkirch
- 1 Haid
- 1 Perg
- 1 Pötschach
- 1 Voesendorf
- 1 Welz

Vienna Data Centers and Networks

VIVI Vienna (Wien)

2.6%

Raiffeisen Diana Haus

3.1%

NDC2 - Nessus DC

3.5%

NDC1 - Nessus DC

4.0%

e-shelter Vienna

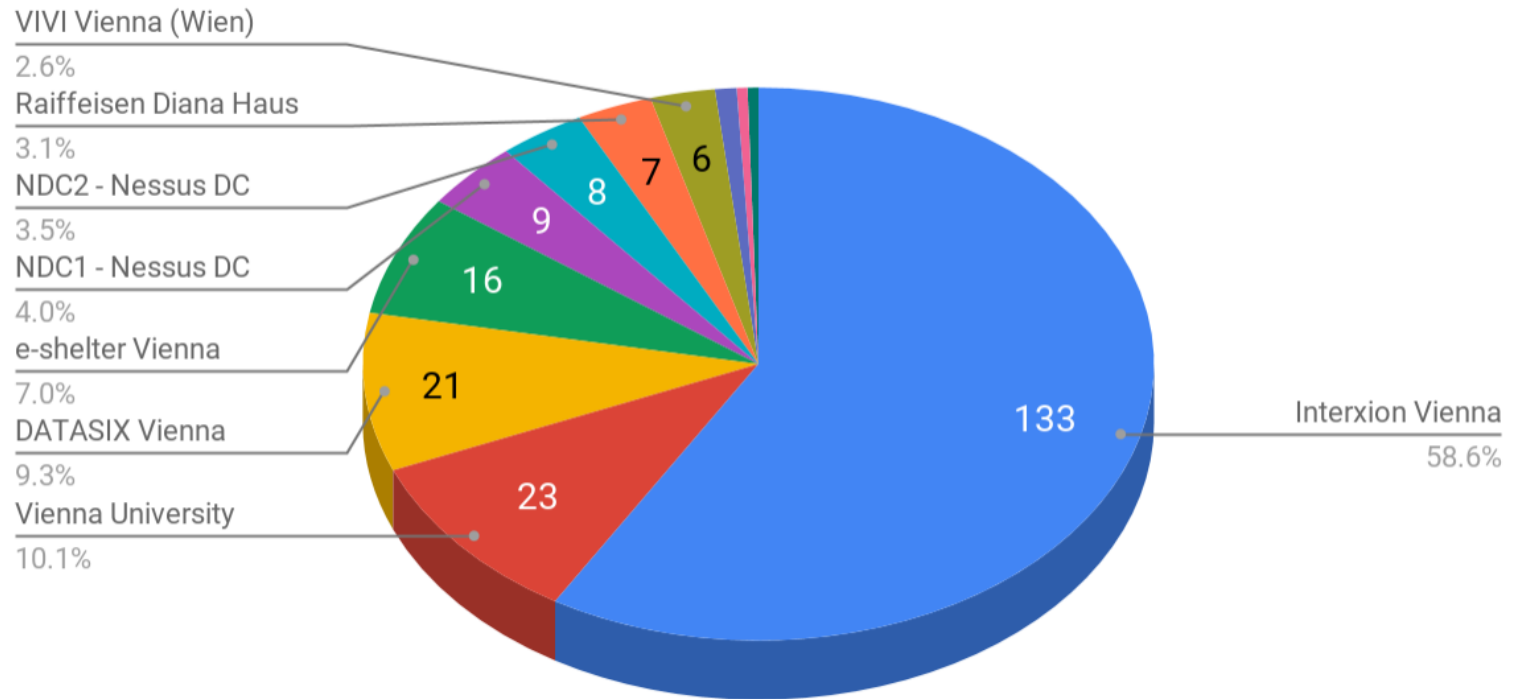
7.0%

DATASIX Vienna

9.3%

Vienna University

10.1%



https://www.peeringdb.com/export/advanced-search/fac/json-pretty?country__in=AT&limit=250&depth=1

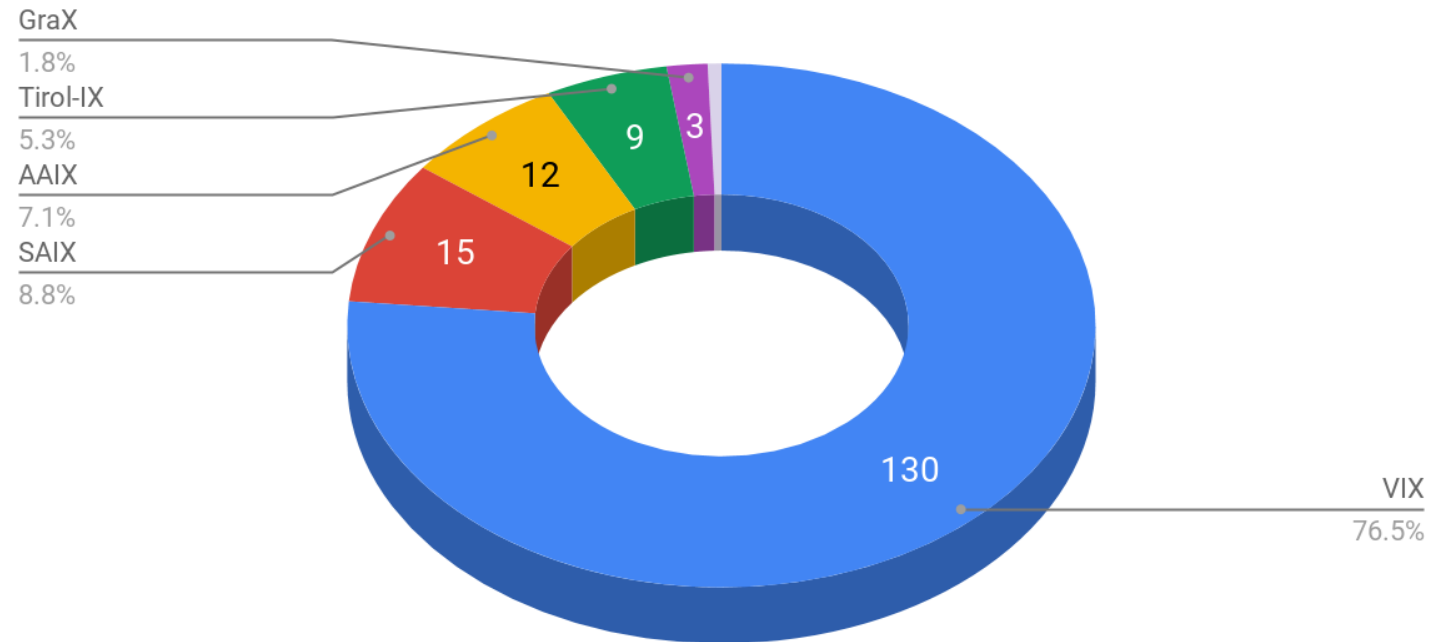
Stats for Österreich (IXPs)

- Internet Exchange Points

- 6 Total

- 130 VIX
 - 15 SAIX
 - 12 AAIX
 - 9 Tirol-IX
 - 3 GraX
 - 1 Community-IX Vienna

Austrian IXPs and Networks




https://www.peeringdb.com/export/advanced-search/ix/json-pretty?country__in=AT&limit=250&depth=1

Stats for Österreich (ORGs and Networks)

- Organisations
 - 50 Total
 - 66 Networks

https://www.peeringdb.com/api/org?country__contains=AT

How can I use PeeringDB?

 **PeeringDB** [Advanced Search](#) [Register or](#) [Login](#)

ANX Silver Sponsor

Organization	ANEXIA Internetdienstleistungs GmbH
Also Known As	ANX Group
Company Website	http://www.anx-holding.com/
Primary ASN	47147
IRR as-set/route-set	AS-ANX
Route Server URL	https://bgp.anexia-it.net/
Looking Glass URL	https://bgp.anexia-it.net/
Network Type	NSP
IPv4 Prefixes	10000
IPv6 Prefixes	2500
Traffic Levels	Not Disclosed
Traffic Ratios	Balanced
Geographic Scope	Global
Protocols Supported	<input checked="" type="radio"/> Unicast IPv4 <input type="radio"/> Multicast <input checked="" type="radio"/> IPv6
Last Updated	2019-09-16T08:56:05Z
Notes	<p>AS47147 is our global backbone ASN and the primary upstream for the following corporate / group ASNs:</p> <p>AS42473 (Anexia), AS197540 (Netcup), AS42388 (CloudDNS), AS42360 (SSP), AS51453 (Emerion), AS40980 (Telematica)</p> <p>Bilateral peering accepted for peers with more than 100 Mbps traffic constantly. PeeringDB record required for new peers. Sessions will be provisioned with filters which will be removed at the end of the turn-up process.</p> <ul style="list-style-type: none">• Strict filtering applies for all BGP sessions.• IRR record required, we filter "or longer".• Filters will be updated every 24h automatically.• RPKI invalid == reject applies, since 2017 ;-).• We do not support MD5 on BGP sessions. <p>Note: We're peering with route servers at IXPs but only accept IRR and RPKI valid prefixes for security reasons.</p> <p>10/100GE PNIs (MTU 1500) at the listed datacenters are accepted for sessions with 95/5 > 2.5 / 25 Gbps (in/out).</p>

Peering Policy Information

Peering Policy	http://as47147.peeringdb.com
General Policy	Selective
Multiple Locations	Preferred
Ratio Requirement	No
Contract Requirement	Not Required

Public Peering Exchange Points

Exchange ASN	IPv4 IPv6	Speed RS Peer
AAIX	193.37.144.4	20G
47147	2001:7f8:4a::4	☑
AAIX	193.37.144.5	20G
47147	2001:7f8:4a::5	☑
AMS-IX	80.249.213.102	100G
47147	2001:7f8:1::a504:7147:1	☑
Community-IX	185.1.74.35	10G
47147	2001:7f8:a5::4:7147:1	☑
DE-CIX Frankfurt	80.81.195.166	100G
Peering LAN	2001:7f8:a5e9:0:3	☑
47147		
N-IX Peering	195.85.217.62	10G
47147	2001:7f8:29:1::62	☑
SwissIX Peering	91.206.52.5	10G
47147	2001:7f8:24::5	☑
VIX	193.203.0.19	20G
47147	2001:7f8:30:0:1:1:4:7147	☑
	7	

Private Peering Facilities

Facility ASN	Country City
DATASIX Vienna (VIE1)	Austria Vienna
47147	
Equinix FR5 - Frankfurt, KleyerStrasse	Germany Frankfurt
47147	
Globalways Stuttgart Gropiusplatz	Germany Stuttgart
47147	
Hetzner Online NBG1 (Nuremberg)	Germany Nuremberg
47147	
Interxion Amsterdam Schiphol Rijk (AMS3, AMS5, AMS7, AMS8, AMS10)	Netherlands Amsterdam
47147	
Interxion Frankfurt (FRA1-13)	Germany Frankfurt
47147	
Interxion Vienna (VIE1, VIE2)	Austria Vienna
47147	
Interxion Zurich / Glattpburg	Switzerland Zurich
47147	
Kapsch BusinessCom earthDATAsafe	Austria Pötschach
47147	
Kelag Klagenfurt	Austria Klagenfurt
47147	
Klagenfurt Stadwerke	Austria Klagenfurt
47147	
NDC2 - Nessus Datacenter Vienna 2	Austria Vienna
47147	

How can I use PeeringDB?

[Advanced Search](#)[sfunke](#)

Interxion Vienna (VIE1, VIE2) Silver Sponsor

[Edit](#)

Organization	Interxion Holding NV
Website	http://www.interxion.com/
Address 1	Louis-Haefliger-Gasse 10
Address 2	
Location	Vienna, , 1210
Country Code	AT
Geocode	48.269027 , 16.410613
CLLI Code	
NPA-NXX	
Notes	Interxion data centres in Vienna are on the same campus, and it is possible to order standard cross connects between the two data centres on the campus.

Local Exchanges

Exchange ▼	Long Name	Networks
Community-IX Vienna	Community-IX Vienna	1
NetIX	NetIX Communications Ltd.	49
Peering.cz	Peering.cz eXchange	113
SOX Serbia	Serbian Open eXchange	25
VIX	Vienna Internet Exchange	130

Networks

Peer Name ▼	ASN
A1 Telekom Austria AG	8447
AC-networks EDV-Technik & internet solutions	47592
ACOnet	1853
Akamai Technologies	20940
Akenes	61098
AMA netwoRX	8540
Amazon.com	16509
Anexia	42473
ANX	47147
APA-IT	5403
ATUSmedia KG (RTCnow)	15498
Automattic	2635
AZISTA GmbH	20751
Bamboozle FZC	200851
CDN77	60068
Ceska telekomunikacni infrastruktura a.s. (CETIN)	28725
Citynet AT	34347
Cloudflare	13335
Community-IX Vienna Route Servers	51847
Core-Backbone	33891
COSYS DATA GmbH	50782
Deutsche Telekom	3320
Deutsche Telekom / ex GTS Central Europe	5588
Dial Telecom	29208
EDIS GmbH	57169

How can I use PeeringDB?



Search here for a network, IX, or facility.

[Advanced Search](#)

[Register](#) or

[Login](#)

VIX

Organization	University of Vienna
Long Name	Vienna Internet Exchange
City	Vienna
Country	AT
Continental Region	Europe
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	http://www.vix.at
Traffic Stats Website	https://www.vix.at/vix_statistics.html
Technical Email	noc@vix.at
Technical Phone	+43 1 4277-14030
Policy Email	
Policy Phone	

LAN

MTU	1500
DOT1Q	<input type="radio"/>
IPv4	193.203.0.0/23
IPv6	2001:7f8:30::/64

Local Facilities

Facility	Country	City
e-shelter Vienna (VIE1)	Austria	Vienna
Interxion Vienna (VIE1, VIE2)	Austria	Vienna
Vienna University Computer Center (Wien)	Austria	Vienna

Peers at this Exchange Point

Peer Name ASN	IPv4 IPv6	Speed Policy
A1 Telekom Austria AG 8447	193.203.0.21 2001:7f8:30:0:2:1:0:844 7	300G Selective
A1 Telekom Austria AG 8447	193.203.0.11 2001:7f8:30:0:1:1:0:844 7	300G Selective
ACOnet 1853	193.203.0.1 2001:7f8:30:0:1:1:0:185 3	20G Open
ACOnet 1853	193.203.0.2 2001:7f8:30:0:2:1:0:185 3	20G Open
Akamai Prolexic DDoS Mitigation 32787	193.203.0.236 2001:7f8:30:0:2:1:3:278 7	Selective
Akamai Technologies 20940	193.203.0.167 2001:7f8:30:0:2:1:2:940	200G Open
Akamai Technologies 20940	193.203.0.168 2001:7f8:30:0:2:2:2:940	200G Open
Akton 25467	193.203.0.122 2001:7f8:30:0:2:1:2:546 7	1G Open
Amazon.com 16509	193.203.0.215 2001:7f8:30:0:2:1:1:650 9	100G Selective
ANX 47147	193.203.0.19 2001:7f8:30:0:1:1:4:714 7	20G Selective
APA-IT	193.203.0.5	20G

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/

How can I use PeeringDB? (JSON API)

```
> curl -s "https://peeringdb.com/api/net?asn=47147" | jq .data[]
```

```
{
  "id": 13902,
  "org_id": 8155,
  "name": "ANX",
  "aka": "ANX Group",
  "website": "http://www.anx-holding.com/",
  "asn": 47147,
  "looking_glass": "https://bgp.anexia-it.net/",
  "route_server": "https://bgp.anexia-it.net/",
  "irr_as_set": "AS-ANX",
  "info_type": "NSP",
  "info_prefixes4": 10000,
  "info_prefixes6": 2500,
  "info_traffic": "",
  "info_ratio": "Balanced",
  "info_scope": "Global",
  "info_unicast": true,
  "info_multicast": false,
  "info_ipv6": true,
  "notes": "AS47147 is our global backbone ASN and the primary upstream for the following corporate / group ASNs:\n\nAS42473 (Anexia), AS197540 (Netcup), AS42388 (CloudDNS), AS42360 (SSP), AS51453 (Emerion), AS40980 (Telematica)\n\nBilateral peering accepted for peers with more than 100 Mbps traffic constantly. PeeringDB record required for new peers. Sessions will be provisioned with filters which will be removed at the end of the turn-up process.\n\n- Strict filtering applies for all BGP sessions.\n- IRR record required, we filter \"or longer\".\n- Filters will be updated every 24h automatically.\n- RPKI invalid == reject applies, since 2017 ;-).\n- We do not support MD5 on BGP sessions.\n\nNote: We're peering with route servers at IXPs but only accept IRR and RPKI valid prefixes for security reasons.\n\n10/100GE PNIs (MTU 1500) at the listed datacenters are accepted for sessions with 95/5 > 2.5 / 25 Gbps (in/out).",
  "policy_url": "http://as47147.peeringdb.com",
  "policy_general": "Selective",
  "policy_locations": "Preferred",
  "policy_ratio": false,
  "policy_contracts": "Not Required",
  "created": "2017-07-04T23:20:44Z",
  "updated": "2019-09-16T08:56:05Z",
  "status": "ok"
}
```

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

PeeringDB Shirt Store

If you'd like to support PeeringDB by wearing a t-shirt or hoodie...
All products are sold at cost, we do not make any money from sales.

<https://teespring.com/stores/peeringdb>



All Products About



PeeringDB Defender
Women's Classic Tee
€10.46



PeeringDB Defender
Classic Tee
€10.46



PeeringDB Defender
Women's Premium V-Neck Tee
€14.68



PeeringDB Defender
Premium Pullover Hoodie
€28.84



PeeringDB Defender
Comfort Tee
€14.56



PeeringDB Defender
Premium V-Neck Tee
€14.56

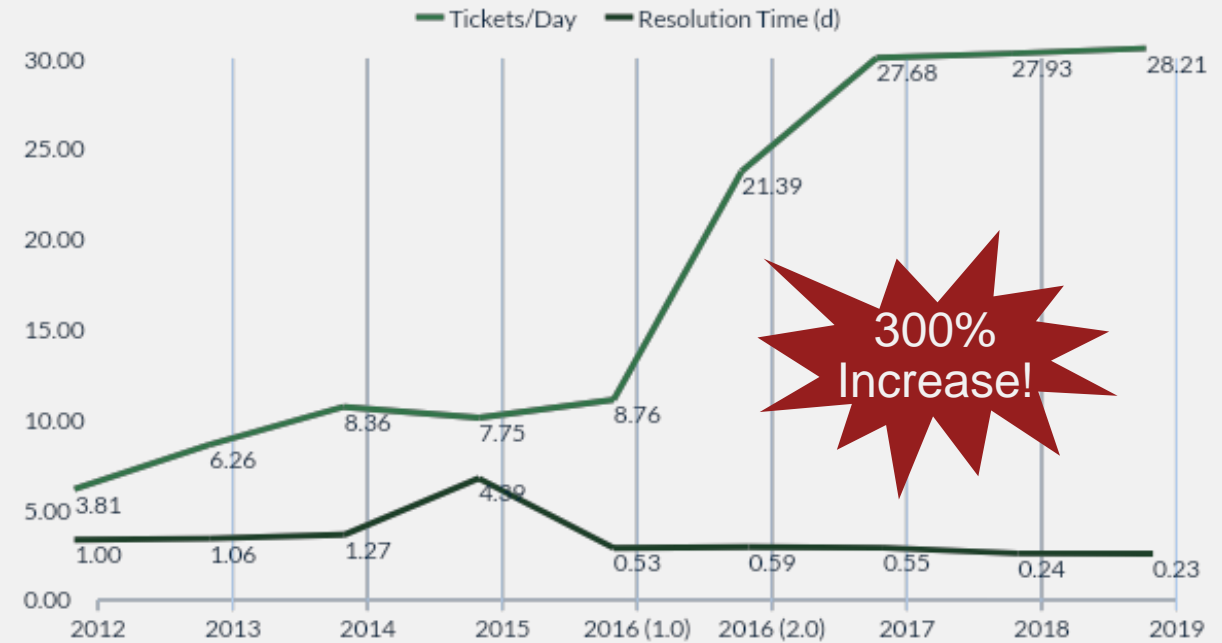
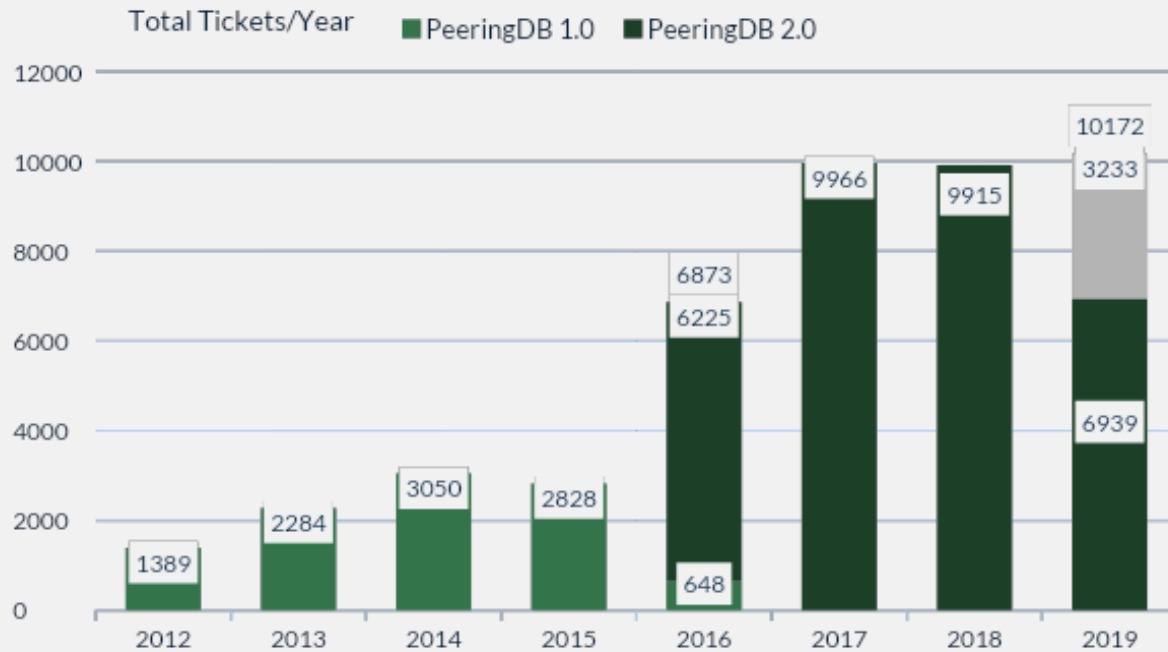


PeeringDB Defender
Women's Comfort Tee
€15.57



PeeringDB Defender
Crew Socks
€11.91

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



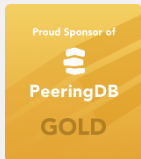
- Limited to 2 sponsors
- Very large logo on top line of Sponsors page with URL
- Diamond Sponsor badge display on all records
- Social media promotion

- 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



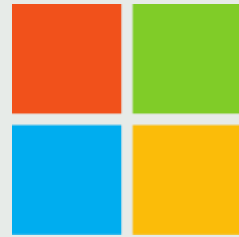
Proud Sponsor of

PeeringDB  Gold

Contact sponsorship@peeringdb.com for sponsorship info!

Thank you to our sponsors!

Diamond
Sponsor



Microsoft

Platinum
Sponsors



Gold
Sponsors



Silver
Sponsors



PeeringDB 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 rightly 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
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

DISABLED for the Moment

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 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	19.8%	10.5%
Chinese (Simplified)	93.8%	81.4%
Chinese (Traditional)	90.6%	80.4%
Czech	77.3%	60.3%
Danish	27.2%	13.5%
English (United States)	0.0%	0.0%
French	81.8%	67.1%
German	99.6%	98.6%
Greek	82.2%	68.3%
Indonesian	0.0%	0.0%
Italian	79.5%	66.3%
Japanese	89.9%	84.9%
Portuguese	88.9%	79.0%
Romanian	100.0%	100.0%
Russian	80.6%	65.8%
Spanish (Spain)	79.3%	66.1%
Telugu	0.0%	0.0%
Thai	0.0%	0.0%
Turkish	11.6%	4.4%

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 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
- 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](https://twitter.com/PeeringDB)



PeeringDB

Danke!