



# PeeringDB Update

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SwiNOG #34, 30. october 2018, Berne

With slides motivated by Masataka Mawatari / JPIX

# Agenda

1. Organization Update
2. Feature Planning Process and Roadmap Update

# 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



# 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
  - 332 addresses subscribed to the Governance mailing list (as of May 3, 2018)
  - 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: Arnold Nipper (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)

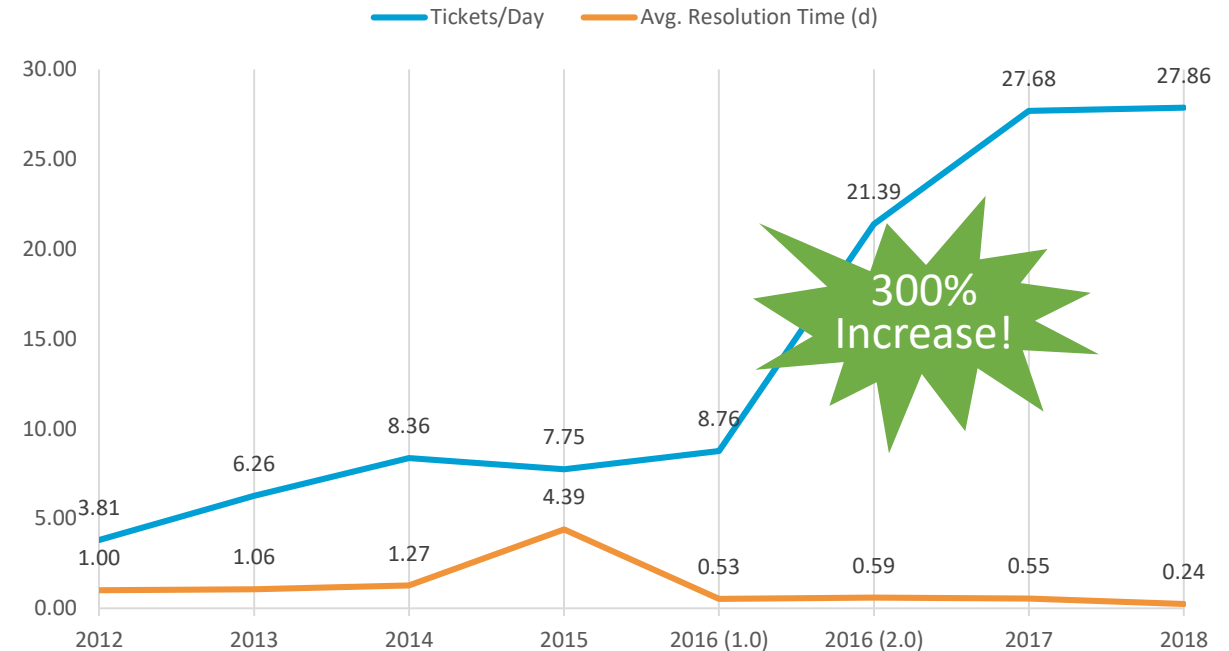
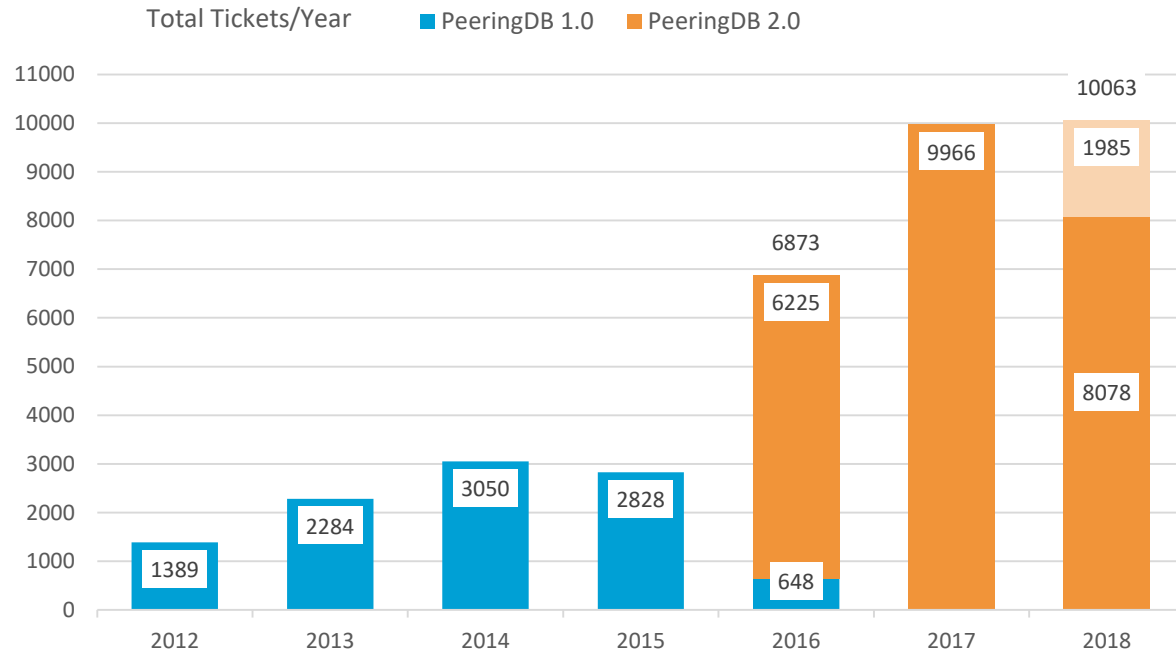
## Product Committee

- 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)

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

# 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

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

Microsoft <span>Diamond Sponsor</span>	
Organization	<a href="#">Microsoft</a>
Also Known As	8068
Company Website	<a href="http://www.microsoft.com">http://www.microsoft.com</a>
Primary ASN	8075
IRR Record	AS-MICROSOFT

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



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**PeeringDB**



# Thank you to our sponsors!

## Diamond Sponsor



# Microsoft

## Platinum Sponsors



## Gold Sponsors



**AUSTRALIA**  
INTERNET PEERING FOR AUSTRALIA



**Stealth**  
COMMUNICATIONS

## Silver Sponsors



DIGITAL REALTY



Internet Society



**TELEHOUSE**



**linx**



NIX-CZ



neutral internet exchange



**LAIIX**



**RIPE NCC**  
RIPE NETWORK COORDINATION CENTRE



workonline communications



zenlayer



# Agenda

1. Organization Update
2. Feature Planning Process and Roadmap Update

# Feature Workflow

- All features tracked using GitHub at <https://github.com/peeringdb/peeringdb/issues> with the ZenHub overlay
  - Anyone can open a feature requests, there are no internal or hidden requests
  - Open and transparent process for feature development
  - Workflow is at <http://docs.peeringdb.com/workflow/>
- Product Committee feature process
  - Evaluate and prioritize the requests
  - Request a quote for development costs
  - Request budget from the board
  - Manage implementation and scheduling

## Example Categories

AC (Support Workflow)

Bug

Enhancement

Usability

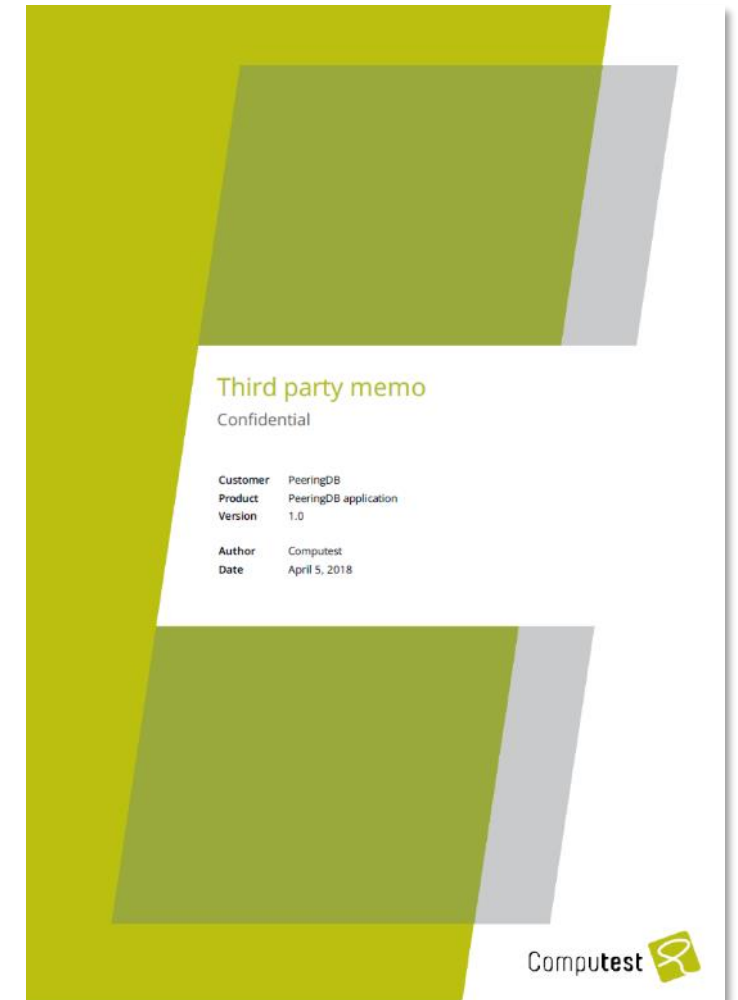
Your input is needed on features!

# 2018 Roadmap and Releases

- We will have major releases with larger features in 2018
- Roadmap focus areas
  - Data quality, privacy, confidentiality
  - Usability and API
  - Platform stability and reliability
  - Product evolution
- Communication focus areas
  - Partner management
  - Communication outreach
  - Membership engagement
- [Release 2.7.1 on 2018-01-17](#)
  - New hosting infrastructure
  - OAuth authentication via PeeringDB
- [Release 2.8.4 on 2018-05-08](#)
  - Security update to address issues found during security audit
- [Release 2.9.1 on 2018-05-30](#)
  - Internationalization features
  - First language: Portuguese
  - Several more translations in progress
- [Release 2.10.2 on 2018-08-15](#)
  - Suggest Facilities
  - Several small features and bug fixes

# Source Code Security Audit

- PeeringDB is working towards releasing the source code under an open source license
  - Allows the community to contribute to PeeringDB
  - Helps to understand PeeringDB's inner workings
  - Eases onboarding for new vendors
- The PeeringDB board commissioned a comprehensive security audit of the source code
  - Audit was deemed important to ensure that open sourcing PeeringDB would not expose security risks
  - PeeringDB hired Computest (<https://www.computest.nl/en/>) to perform the audit
  - Security patches were deployed in release 2.8.4 on 2018-05-08
- The auditor concluded there are no more major issues
  - Audit report: [http://docs.peeringdb.com/gov/misc/2018-05-16\\_Computest\\_Source\\_Code\\_Audit\\_TPM.pdf](http://docs.peeringdb.com/gov/misc/2018-05-16_Computest_Source_Code_Audit_TPM.pdf)
- Open Source Release on 2018-11-10 under BSD-2-Clause
  - <https://opensource.org/licenses/BSD-2-Clause>



# PeeringDB is an useful database but ... case in Japan

- Japanese network operators love Japanese language.. (language barrier)
  - Every Japanese IXPs provide procedure in Japanese how to register on PeeringDB to new IX members.
  - Once Japanese network operators have registered, they use PeeringDB without problem.
  - Is this particular to Japan...?
- Japanese IXPs want to make it easier to register for Japanese network operators.
  - Japanese IXPs have to prepare common procedure in Japanese? But is it reasonable...?

# Great approach. Fully agreed

The screenshot shows a GitHub issue page for 'Internationalization (il8n) in peeringdb #184'. The issue is marked as 'Closed' and was opened by 'mcmanuss8' on 8 Jul 2017. The issue title is 'Internationalization (il8n) in peeringdb #184'. The issue is closed and was opened by mcmanuss8 on 8 Jul 2017. The issue has 25 comments. The issue is closed and was opened by mcmanuss8 on 8 Jul 2017. The issue has 25 comments. The issue is closed and was opened by mcmanuss8 on 8 Jul 2017. The issue has 25 comments.

mcmanuss8 commented on 8 Jul 2017

If we want to have peeringdb reach the entire world, we can't assume everyone speaks english. Strawman steps - needs fleshing out:

0. Decide on the languages we want to support initially
1. Add il8n support for each field, box/widget and dropdown value
2. Translate the above to each defined language
3. Add a language preference for each user under profile. Default everyone to null.
4. Allow guests to switch languages on the fly, default to the user's preferred language if not null

Challenges would be for free form fields like "Notes" - do we allow users to specify notes in each language they would like? Certainly if someone wrote something in a language I didn't prefer to see, but in no other languages, I would want to see it anyway so I could attempt to translate it. A really nice to have would be autotranslation.

Assignees: eloos

Labels: PC Candidate, Quote, outreach

Projects: None yet

Milestone: 2.9.1

<https://github.com/peeringdb/peeringdb/issues/184>

# How do we internationalize PeeringDB?

1. Open new issue “Please generate locale files” on issue page in GitHub.
  - <https://github.com/peeringdb/peeringdb/issues>
2. Edit locale files (.po files) in your language.
  - e.g.) translating to Japanese (ja\_JP)
  - [https://github.com/mwtr/peeringdb/tree/master/locale/ja\\_JP/LC\\_MESSAGES](https://github.com/mwtr/peeringdb/tree/master/locale/ja_JP/LC_MESSAGES)
3. Once you have completed editing the files, do pull request in GitHub.
  - <https://github.com/peeringdb/peeringdb>
4. PeeringDB team uploads the files on the beta website <https://beta.peeringdb.com/> before the official website.
  - You can check your translation on the beta website.


# Currently working on some languages by contributors in every economy

- Czech (cs\_CZ)
- Danish (da\_DK)
- **German (de\_DE)**
- Greek (el\_GR)
- English (en\_US)
- Spanish (es)
- **French (fr\_FR)**
- Indonesian (id\_ID)
- **Italian (it)**
- Japanese (ja\_JP)
- Portuguese (pt\_PT)
- Romanian (ro\_RO)
- Russian (ru\_RU)
- Telugu (te\_IN)
- Thai (th\_TH)
- Simple Chinese (zh\_CN)
- Traditional Chinese (zh\_TW)
- **Romansh (rm)???**

If you are interested in this activity, please see <https://docs.peeringdb.com/translation/>.



# PeeringDB in German (on beta website)

 Suchen Sie hier nach einem Netzwerk, IX oder einer Liegenschaft. [Registrieren](#) oder [Anmelden](#)

Erweiterte Suche

## SwissIX

Unternehmen	<a href="#">SwissIX Internet Exchange</a>
Vollständiger Name	SwissIX Internet Exchange
Stadt	Zurich
Land	CH
Kontinentale Region	Europa
Medientyp	Ethernet
Unterstützte Protokolle	<input checked="" type="checkbox"/> Unicast IPv4 <input type="checkbox"/> Multicast <input checked="" type="checkbox"/> IPv6
Notizen	

### Kontaktinformationen

Unternehmenswebseite	<a href="https://www.swissix.ch/">https://www.swissix.ch/</a>
Trafficstatistik-Webseite	<a href="https://www.swissix.net/infrastructure/traffic">https://www.swissix.net/infrastructure/traffic</a>
E-Mail (technisch)	<a href="mailto:noc@swissix.ch">noc@swissix.ch</a>
Telefon (technisch)	
E-Mail (Peeringrichtlinien)	<a href="mailto:info@swissix.ch">info@swissix.ch</a>
Telefon (Peeringrichtlinien)	

### LAN

MTU	9000
DOT1Q	<input checked="" type="checkbox"/>
IPv4	91.206.52.0/23
IPv6	2001:7f8:24::/64

### Local Facilities

Gebäude	Land	Stadt
<a href="#">ColoB</a>	Schweiz	Pratteln
<a href="#">colobern.ch Bern</a>	Schweiz	Bern
<a href="#">colozueri.ch Zurich</a>	Schweiz	Zurich
<a href="#">e-shelter Zurich (ZRH1)</a>	Schweiz	Rümlang





### Peers at this Exchange Point

Peer Name	IPv4	Geschwindigkeit
ASN	IPv6	Peeringrichtlinien
<a href="#">Abacus Research AG</a> Peering	91.206.52.120	1G
42760	2001:7f8:24::78	Open
<a href="#">Adfinis SyGroup AG</a> Peering	91.206.52.156	100M
15716	2001:7f8:24::9c	Open
<a href="#">Afilias</a> Peering	91.206.52.61	1G
12041	2001:7f8:24::3d	Open
<a href="#">Akamai Technologies</a> Peering	91.206.52.56	60G
20940	2001:7f8:24::38	Open
<a href="#">AlpineDC</a> Peering	91.206.52.109	1G
198385	2001:7f8:24::6d	Open
<a href="#">Amazon.com</a> Peering	91.206.52.107	40G
16509	2001:7f8:24::6b	Open
<a href="#">Andreas Grawehr</a> Peering	91.206.52.51	1G
12553	2001:7f8:24::33	Open
<a href="#">Anexia</a> Peering	91.206.52.5	1G
42473	2001:7f8:24::5	Selective
<a href="#">Antares Kommunikationstechnik AG (antanel.ch)</a> Peering	91.206.52.54	1G
34554	2001:7f8:24::36	Open
<a href="#">Arcade Solutions AG</a> Peering	91.206.52.197	10G
51873	2001:7f8:24::c5	Open
<a href="#">AT&amp;T EMEA - AS2686</a> Peering	91.206.52.202	10G
2686	2001:7f8:24::ca	Selective
<a href="#">Atrila</a> Peering	91.206.52.166	1G
44919	2001:7f8:24::a6	Open
<a href="#">Atrila</a> Peering	91.206.52.62	1G
44919	2001:7f8:24::3e	Open
<a href="#">aurax.connecta.ag</a> Peering	91.206.52.27	1G
31662	2001:7f8:24::1b	Open

# Conclusion

- PeeringDB internationalization project globally helps network engineers in their work.
- PeeringDB internationalization project is underway by GitHub now. Any volunteers?
- More distributing technical information between economies in Asia Pacific region! No more language barrier 😊

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



Questions?