PeeringDB Update

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Peering Asia 2.0
Cordis Hotel, Hong Kong
24-25 Oct. 2018

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

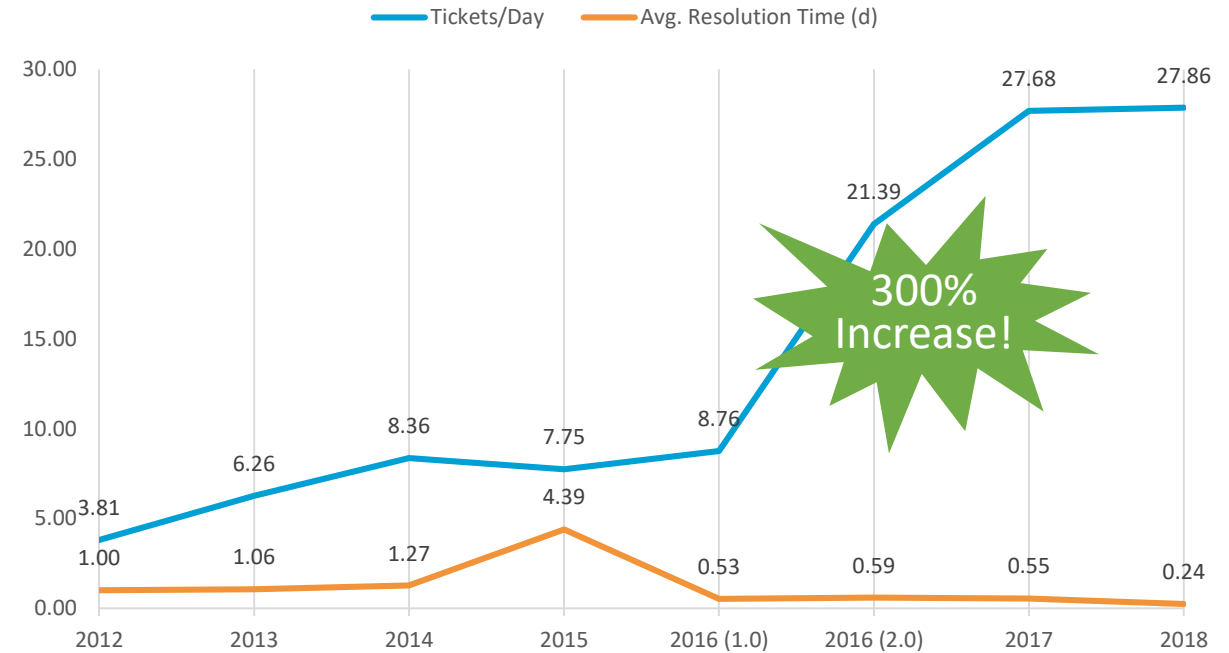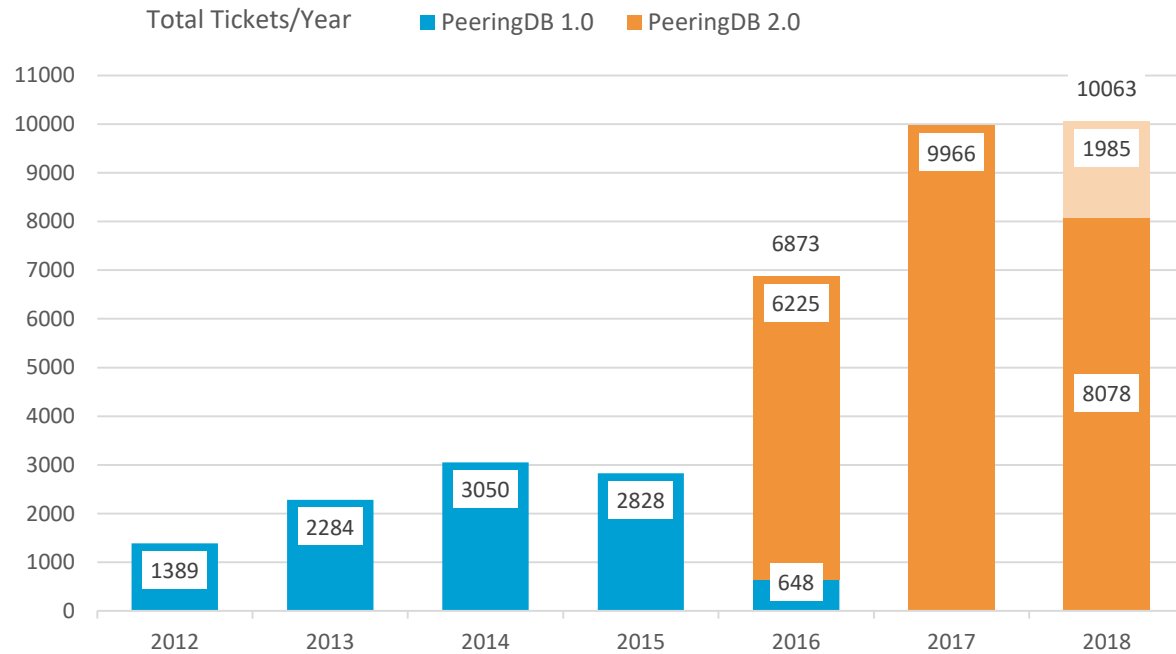| Admin Committee	Operations Committee	Outreach Committee	Product Committee
• Manage administration of user accounts and PeeringDB records • Answer support tickets	• Manage PeeringDB infrastructure	• Manage marketing and social media • Develop and maintain presentations, workshops and webinars • Coordinate 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: Arnold Nipper (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: Eric Loos (Chair) and Matt Griswold (Vice Chair) Contact: productcom@lists.peeringdb.com

Support Ticket Statistics

Total Tickets/Year — PeeringDB 1.0 ■ PeeringDB 2.0

Year	Value
2012	1389
2013	2284
2014	3050
2015	2828
2016	648 / 6225 (6873)
2017	9966
2018	8078 / 1985 (10063)

Tickets/Day — Avg. Resolution Time (d)

300% Increase!

Tickets/Day: 3.81, 6.26, 8.36, 7.75, 8.76, 21.39, 27.68, 27.86
Avg. Resolution Time: 1.00, 1.06, 1.27, 4.39, 0.53, 0.59, 0.55, 0.24

2012, 2013, 2014, 2015, 2016 (1.0), 2016 (2.0), 2017, 2018

- 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 for sponsorship info

Microsoft [Diamond Sponsor]

Organization	Microsoft
Also Known As	8068
Company Website	http://www.microsoft.com
Primary ASN	8075
IRR Record	AS-MICROSOFT

DE-CIX Frankfurt [Platinum Sponsor]

Organization	DE-CIX Management GmbH
Long Name	Deutscher Commercial Internet Exchange
City	Frankfurt
Country	DE
Continental Region	Europe

Proud Sponsor of
PeeringDB
GOLD

Thank you to our sponsors!

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Platinum Sponsors

DE-CIX · Google

Gold Sponsors

facebook · FranceIX Convergence hub · IX AUSTRALIA INTERNET PEERING FOR AUSTRALIA · PREFIX IPv4 BROKER · Stealth COMMUNICATIONS

Silver Sponsors

anexia · amsix · APNIC · BBIX Internet Exchange · cologix · DIGITAL REALTY · gtt · Internet Society · interxion · jpix · KDDI · TELEHOUSE · lacnic · linx · NETNOD · NIX·CZ · NLix neutral internet exchange · NYIIX · LAIIX · RIPE NCC RIPE NETWORK COORDINATION CENTRE · SysEleven · TERACO AFRICA'S DATA 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
- Open Source Release on 2018-11-10 under BSD-2-Clause
  - https://opensource.org/licenses/BSD-2-Clause

Third party memo
Confidential

Customer   PeeringDB
Product   PeeringDB application
Version   1.0

Author   Computest
Date   April 5, 2018

Computest
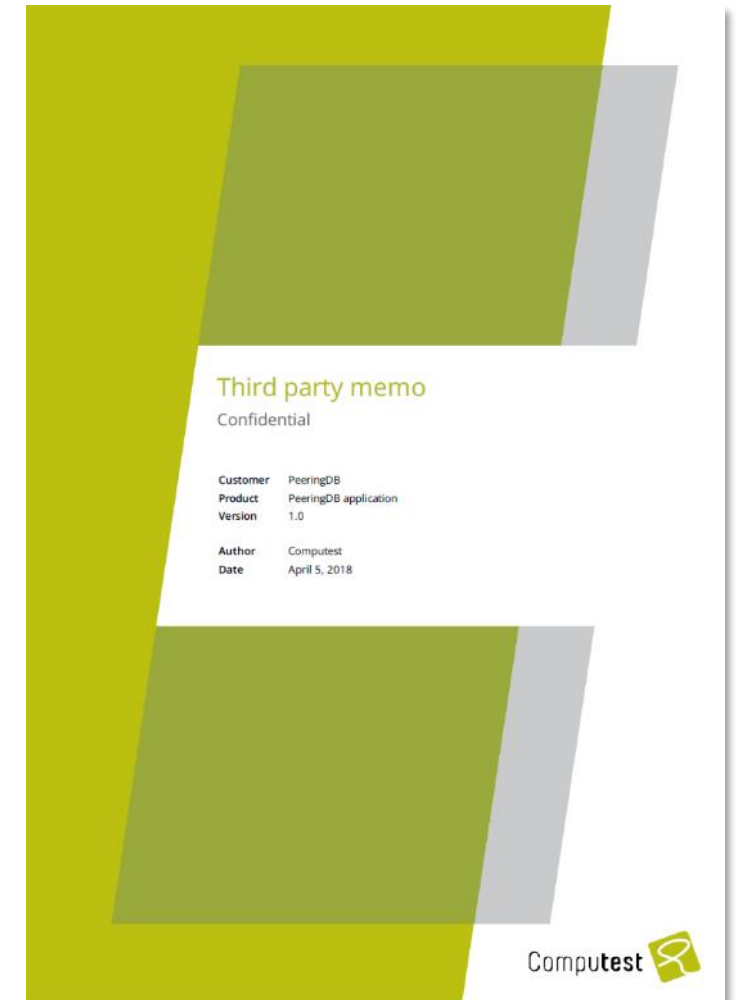
PeeringDB is an useful database but … case in Japan

- 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…?

PeeringDB

Great approach. Fully agreed

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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

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)**

Economies in Asia Pacific region are highlighted in green

Increasing economies in Asia Pacific region.
If you are interested in this activity, please see https://docs.peeringdb.com/translation/.

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PeeringDB in Japanese (on beta website)

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 ☺

Japanese translation members

- Akira Nakagawa
- Chise Kawamura
- Hideyuki Sasaki
- Junpei Yoshino
- Kaoru Kitauchi
- Katsushi Yamaguchi
- Katsuyasu Toyama
- Masataka Mawatari
- Norisuke Hirai

- Ryohey Matsumoto
- Satoshi Okawa
- Shintaro Kojima
- Taiji Tsuchiya
- Tomocha
- Yudai Yamagishi
- Yuki Ikuno
- Yutaka Kumamoto
- Yutaro Fujii

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:
productcom@lists.peeringdb.com

- Uptime status:
http://status.peeringdb.com/

- Bugs and feature requests:
https://github.com/peeringdb/peeringdb/

- Social media:

@PeeringDB

https://www.facebook.com/peeringdb/

https://www.linkedin.com/company/peeringdb

Questions?