PeeringDB Update

Arnold Nipper
arnold@peeringdb.com
1. Organization Update
2. Strategic Goals and Organizational Objectives
3. 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
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/
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<th><strong>Committees</strong></th>
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<th><strong>Outreach Committee</strong></th>
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| **Admin Committee** | • Manage administration of user accounts and PeeringDB records  
• Answer support tickets | | | |
| **Leads:** Arnold Nipper (Chair) | | | | |
| **Contact:** admincom@lists.peeringdb.com | | | | |
| **Operations Committee** | • Manage PeeringDB infrastructure | | | |
| **Leads:** Job Snijders (Chair) and Aaron Hughes (Vice Chair) | | | | |
| **Contact:** 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 | | | | |
| **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 | | | | |
• 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
Thank you to our sponsors!

Diamond Sponsor

Amazon

Microsoft

Platinum Sponsors

DE CIX

Google

Gold Sponsors

Facebook

Convergence hub

Australia Internet Peering

PREFIX IPv4 Broker

Stealth Communications

Silver Sponsors

anexia

amsix

APNIC

BBIX

cologix

digital Realty

Internet Society

Interxion

jpIX

KDDI

Telehouse

lacnic

Linx

Netnod

NIX-CZ

NLIX

NTT Communications

NYIIX

LAIIX

RIPE NCC

SysEleven

TERA

PeeringDB

2018-08-09

SANOG32 & bdNOG9, Dhaka, Bangladesh
1. Organization Update
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• Ensure reliability, security and support of PeeringDB services
• Maintain, develop, and enhance functionality of PeeringDB services as sought by the users and supported by the membership and community
• Educate the community on effective use of PeeringDB
• Evangelize use of PeeringDB
2018 – 2019 Strategic Direction

• Encourage support of PeeringDB via sponsorship
• Build a reserve of 2 years of operational funds for the longterm stability of the organization
• Strengthen relationships with operator and peering forums, and other related databases, to work cooperatively on interconnection topics
• Strengthen relationships with Regional Internet Registries (RIRs) with respect to access to authoritative data
• Legal review of liabilities, and insurance (D&O)
• Succession planning
High Priority Tasks for 2018

• Maintain SLAs and contracts for all supporting service providers
• Write Operational Service Level Policy (OSLP) for services provided to the community and regularly report compliance
• Document operational infrastructure
• Regular third-party security audit
• Ensure security for private user data
• Conduct redundancy and restoration test bi-annually
• Provide education material in the form of a quick start guide, embedded online assistance, webinars and tutorials for both users and developers
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Feature Workflow

- All features tracked using GitHub at [https://github.com/peeringdb/peeringdb/issues](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/](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

Your input is needed on features!

Example Categories
- AC (Support Workflow)
- Bug
- Enhancement
- Usability
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
  • CORS headers in API responses
  • Expanded authorization with RDAP from RIRs
  • JSON results for search queries

• 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
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 issue #237 on GitHub for details
PeeringDB users are often connected to multiple IXPs and meet at the same events

- OAuth2 defined in RFC 6749 is a third-party authentication framework that lets PeeringDB be an OAuth server
- Register your application, and let people use their PeeringDB account to login instead of requiring them to register in your application

Full user control, each PeeringDB user must permit each application to use OAuth

More details are available here: https://docs.peeringdb.com/oauth/
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
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!

Translations Wanted!
Get in Touch With productcom@lists.peeringdb.com if You are Interested in Translating
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?