

## **PEERINGDB ANNUAL MEMBER MEETING**

Thursday, 19 April 2018 1600h UTC

Teleconference with audio recording

### **DRAFT MINUTES**

#### Attendees:

Melchior Aelmans, Juniper Networks

Niels Bakker, Akamai Technologies

Chris Caputo, Altopia, PeeringDB Secretary/Treasurer

Matt Griswold, 20C, United IX

Greg Hankins, Nokia

Rock Hudson

Aaron Hughes, 6connect, PeeringDB President/Chair/Director

Eric Loos, Belgacom International Carrier Services

Steve McManus, Akamai Technologies

Steve Meuse, Kentik Technologies, Inc.

Arnold Nipper, DE-CIX Management GmbH, PeeringDB Director

Tim Osburn, Windstream Communications

Raven

Bijal Sanghani, Euro-IX, PeeringDB Director

Martin Semrad, NIX.CZ

Job Snijders, NTT Communications, PeeringDB Vice President/Director

Tarko Tikan, Telia Eesti

Nico Tshintu, KINshasa Internet eXchange Point

Matthew Walster, Netflix

#### Note Taker:

Chris Caputo, Secretary/Treasurer

1. The Chair called the meeting to order at 1603h UTC.
2. Welcome & Thanks - Aaron Hughes
3. Approval of Meeting Minutes

It was moved by Job Snijders, and seconded by Arnold Nipper that the minutes of the April 20<sup>th</sup>, 2017 Annual Member Meeting be adopted as written. The motion carried with no objections.

4. Financial Update & Call For Sponsors - Chris Caputo

Chris reported that finances for 2017 have been posted to <http://gov.peeringdb.com/> and shared with the pdb-gov governance mailing list.

PeeringDB has zero debt and substantial spending has been directed by the Product Committee and the Admin Committee for software development.

Call for sponsorship:

[http://docs.peeringdb.com/misc/PeeringDB\\_Sponsorship\\_Levels.pdf](http://docs.peeringdb.com/misc/PeeringDB_Sponsorship_Levels.pdf)

## 5. Admin Committee Update - Arnold Nipper

The Admin Committee is responsible for the day to day end-user support and is also the first point of contact for any inquiries to PeeringDB. The committee takes care of the consistency of the database, content-wise.

The committee currently consists of 10 members.

From April of 2017 to March of 2018, the outgoing members were: Kate Gerry, Florian Hibler, Eric Lindsjö, Eduardo Ascenço Reis, Michael Still, and Samer Abdel-Hafez. Samer switched to the Product Committee. Much appreciation to all of these individuals for their tremendous work on the Admin Committee.

In the last year, the committee processed about 10,000 tickets, which is between 750 and 1,000 tickets per month. The resolution time varied between 5 hours and 20 hours in recent months, recently improving toward 5 hours or less.

Since PeeringDB version 2.2.0 there has been an automated creation and approval process for network and organization records. This substantially helped the committee in dealing with requests. More development is needed to automate Registration Data Access Protocol (RDAP) / Whois inconsistency at the RIRs.

Since PeeringDB version 2.8.1 the ticket submission process is now transactional rather than via email, resulting in a more reliable system. This also means tickets can be monitored, queued, and be followed up with more efficiency.

The committee is also working on database cleansing. This consists of adding missing LAN information to IXP records, thus enabling networks to be able to report their assignments at IXPs.

In addition, facility information is being reviewed and corrected together with partner Inflect. One member of the committee is an employee of Inflect.

A few weeks ago there was a problem with ticket creation due to API rate limiting, which blocked the submission of tickets for four days. This has been resolved.

Arnold and Aaron expressed appreciation to the Admin Committee volunteers for all of their hard work.

## 6. Operations Committee Update - Job Snijders

The Operations Committee was formed in September of 2017, with a formal launch in October. The purpose of the committee, with a group of volunteers, is to ensure the PeeringDB services are operational, available, and well within the performance characteristics expected of the service.

The work is done in cooperation with the primary vendor of the PeeringDB software, 20C, LLC.

The biggest change in operations in the last year was that in January of 2018, hosting was moved from hosting without service level agreements, to hosting in the cloud where we actually have support. This change made it so we are able to have multiple volunteers help and interact with PeeringDB systems. This also means we are no longer relying on sponsor resources but are now using PeeringDB funds to pay for the cloud services.

The PeeringDB application stack is split up into multiple parts: email, database, and web server front-ends. The email and database are now proper cloud applications, consumed as services, rather than as applications we manage ourselves. Over time more and more aspects of the application stack will be ported over to cloud methodologies.

The largest challenge since the migration to the cloud was the delivery of email. In the past, the creation of tickets for the Admin Committee was dependent on the spoofing of From: email addresses, but this did not work well when moved to the cloud. This was fixed by switching to an API dispatch method with the ticketing service, which also improved reliability.

REST API usage is the fastest growing aspect of PeeringDB services. It appears more and more organizations are creating integrations with PeeringDB. Job is encouraged by this sign of network automation and he looks forward to more growth in the future.

The next priority for the committee is to achieve a form of horizontal scaling for the web server part of the stack. The committee is actively

working to increase PeeringDB's performance. The committee is working to define an operational service level policy. This document will detail how the committee characterizes the performance of PeeringDB, what uptime parameters are expected, how fast responses should be, how often backups are made, and how often restores are tested.

Job made a call for volunteers. The committee seeks volunteers that have experience with Linux, Ansible, Python, and the major cloud providers. Email [job@peeringdb.com](mailto:job@peeringdb.com) if interested. Please let your friends and colleagues know of the need.

## 7. Product Committee Update - Eric Loos

The Product Committee is charged with steering future product development and is also responsible for gathering ideas from the community to be implemented.

There are 12 members of the committee, including a liaison from the board and Greg Hankins, with Greg mainly focused on marketing/outreach with the community.

There have been 10 releases of PeeringDB in the last year.

The committee gathers issues from the community using GitHub for tracking. Feedback is usually provided within 24 hours.

A Software Maintenance Agreement (SMA) with 20C, LLC has facilitated the closure of some 132 issues since April of 2017. Additional issues are raised on an ongoing basis.

Several development efforts outside of the SMA have been contracted and completed. Completed projects include IX-F integration and database quality improvements. Upcoming development includes internationalization.

## 8. Items brought up by the members / Technical and Policy Q&A

None.

Aaron added that the organization, the board, and the supporting committees strive to operate the organization based on PeeringDB member and user feedback. Documentation is on <http://docs.peeringdb.com/> along with contact information.

An annual face to face meeting of the board was recently held to update the strategy and operational objectives. A document detailing these objectives will soon be published and feedback is encouraged.

#### 9. Encourage Voting in Board Election - Aaron Hughes

There are three Board candidates this year running for two seats. Aaron encouraged voting. Voting closes on April 29<sup>th</sup> at 23:59 UTC.

Please email [secretary@peeringdb.com](mailto:secretary@peeringdb.com) if you have not received an expected ballot or wish to register to vote.

#### 10. Adjournment

The Chair entertained a motion to adjourn. Job Snijders moved to adjourn, seconded by Arnold Nipper. The meeting adjourned at 1620h UTC with no objections.