



# PeeringDB Update

Arnold Nipper

[arnold@peeringdb.com](mailto:arnold@peeringdb.com)

A banner for "CEE Peering Days Berlin 2018". The text "CEE Peering Days" is in a large, bold, blue font, and "Berlin 2018" is in a smaller, blue font below it. The background is light blue with a faint image of a tower on the left side.

CEE **Peering Days**  
Berlin 2018

# 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 a company email address



# 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
  - 324 addresses subscribed to the Governance mailing list (as of January 3, 2018)
  - Governance list is at <http://lists.peeringdb.com/cgi-bin/mailman/listinfo/pdb-gov>
  - More information available at <http://gov.peeringdb.com/>
  - Next annual meeting on 2018-04-19 16:00 UTC (online)

# Committees

## Admin Committee

- Manage administration of user accounts and PeeringDB records
- Answer support tickets

Leads: Arnold Nipper (Chair) and Bijal Sanghani (Vice Chair)

Contact:

[admincom@lists.peeringdb.com](mailto:admincom@lists.peeringdb.com)

## Operations Committee

- Manage PeeringDB infrastructure

Leads: Job Snijders (Chair) and Aaron Huges (Vice Chair)

Contact:

[pdb-ops@lists.peeringdb.com](mailto:pdb-ops@lists.peeringdb.com)

## Product Committee

- Ask for input from the community on desired features
- Manage roadmap and development priorities
- 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)

# PeeringDB Vital Statistics and Growth

## Vital Statistics and Growth

2016\* and 2017



\*2016 statistics are for PeeringDB 2.0 post-launch (March 15, 2016 through December 31, 2016)

## Usage (2017)

Total Hits	111,760,274
Avg. Daily Hits	306,193
Unique Hits	621,584

## Support Tickets (2017)

Total Support Tickets	9,966
Avg. Tickets Per Day	27
Avg. Response Time	Less than 13 Hours

# High Priority Projects for this Winter and Spring

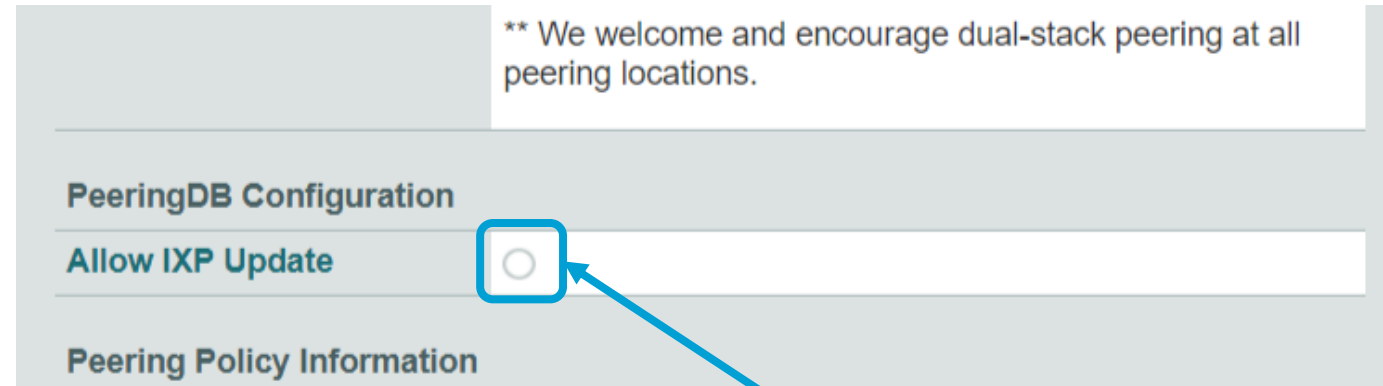
- New Operations Committee formed to address recent outage
  - Members: Matt Griswold, Aaron Hughes, Stefan Pratter, Job Snijders (Chair), Matthew Walster
  - Responsible for managing infrastructure
  - Moved PeeringDB to a cloud provider in early 2018
- PeeringDB code base to be open source
  - Open sourcing the platform will drive innovation
  - Open source license to be decided
  - Expected publication date of March 2018

# 2018 Roadmap

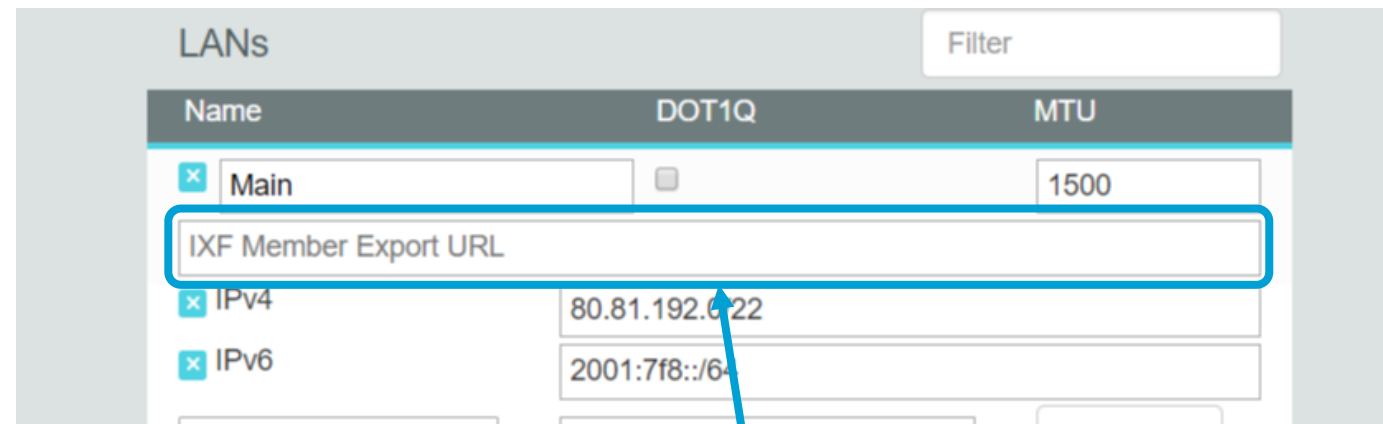
- Several maintenance releases with small features have been released since PeeringDB 2.0 was launched
- Released 2.5.3 on 2017-09-06
  - Updated to Django 1.11; added coordinates for facilities and organizational addresses
- Released 2.6.5 on 2017-11-14
  - Allow IXP Updates and Import of member information in IX-F JSON schema format
- 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

# 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 nightly using IX-F JSON schema
- See issue [#237](#) on GitHub for details



Networks Click “Allow IXP Update” in Network Record



IXPs Set Export URL in Exchange Record



# Import of Data Provided by IXPs

- **allow\_ixp\_update: no**
  - If a network has an IX entry with both invalid IP addresses, the network IX entry is removed
  - If a network has an IX entry with any other invalid information (route server peer and speed), nothing is done
  - If a network does not have an entry for the IX, nothing is done
- **allow\_ixp\_update: yes**
  - If a network has an IX entry with any invalid information, the entry is updated
  - If a network does not have an entry for the IX, one is added
  - If a network does not have an entry in the IX member list, the network IX entry is removed
- **Only IP addresses within the IX prefix sets are added**
- **All changes made by the importer are logged to the control panel, available to the AC, and able to be rolled back with a single click.**

# IX-F JSON format

- Version 0.7 is the most up to date
- <https://ml.ix-f.net/>
- Agreed and standardized format to represent IXP participants' data
- For PeeringDB only a subset of information is needed
  - ASN, IPv4, IPv6, speed, Is\_RS\_Peer

```
{
  "$schema": "http://json-schema.org/draft-04/schema",
  "title": "IXP Member List Schema",
  "description": "A JSON schema representing an IXP Member List",
  "type": "object",
  "required": ["version", "timestamp", "ixp_list", "member_list"],
  "properties": {
    "version": {
      "title": "IXP Member List Schema Version",
      "description": "Version number of the schema; this is not the version of the file within an IXP; but the schema version",
      "type": "string"
    },
    "timestamp": {
      "title": "IXP Member List Schema export timestamp",
      "description": "Timestamp of when the data was exported",
      "type": "string",
      "format": "date-time"
    },
    "ixp_list": {
      "title": "IXP Info List",
      "description": "A list of schemas representing IXP information",
      "type": "array",
      "items": {
        "description": "A single IXP entry",
        "type": "object",
        "required": ["ixf_id", "ixp_id", "shortname"],
        "properties": {
          "ixp_id": {
            "description": "IXP numeric identifier, persistent value free to set by the IXP",
            "type": "integer"
          },
          "shortname": {
            "description": "Short name of the IXP",
            "type": "string"
          },
          "name": {
            "description": "Name of the IXP",
            "type": "string"
          },
          "url": {
            "description": "Website of the IXP",
            "type": "string"
          }
        }
      }
    }
  }
}
```

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



Proud Sponsor of  
**PeeringDB**



# Thank you to our sponsors!

**Diamond Sponsor**  **Microsoft**

**Platinum Sponsors**   





**Gold Sponsors**    

**Silver Sponsors**         

# 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?