What is PeeringDB?

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PeeringDB is a freely available, user-maintained, **database** of **networks** and **carriers**, and the go-to location for interconnection data. It facilitates the global interconnection of networks at **IXPs**, **data centers**, and **other interconnection facilities**. It is the first stop in making interconnection decisions.

Global System Statistics
1080 Exchanges
27117 Networks
5062 Facilities
22 Campuses
58 Carriers
48301 Connections to Exchanges
43427 Connections to Facilities
5862 Automated Networks
46645 Registered Users
25286 Organizations

Governance and membership

- PeeringDB is a US non-profit volunteer organization funded by sponsorships
- You can be – or are – a member!
  - If you are a legal business entity
  - If you have an active PeeringDB account
  - If you have someone subscribed to our Governance mailing list
  - Governance list is at http://lists.peeringdb.com/cgi-bin/mailman/listinfo/pdb-gov
  - More information available at http://gov.peeringdb.com/

We are looking for volunteers

- For Admin Committee
  - who speak languages other than English

- For Outreach Committee
  - Folks with marketing experience are highly welcome

- For Operations Committee
  - Small and highly trusted
  - Experience with containers is a plus

- **Apply to stewards@lists.peeringdb.com**

Recent volunteer contributions

- Security changes from Amazon
- UX changes from Google
- Various other changes from individuals

HOWTO: Get Started with Developing for PeeringDB

Technology

We use Python with Django and MySQL. Django manages interaction with the database. We publish all our code on GitHub.

We have documented how to set up our development environment.

What to develop

PeeringDB users can request features and report bugs by creating issues on GitHub. Review open issues to either find a project you'd like to work on, or to see if there's an existing issue for the feature you want.

If you want to develop a feature that has not been discussed on GitHub, you should either create an issue or contact us to discuss what you need. You can send a message to productcom@lists.peeringdb.com or contact any of the members of the Product Committee.

If you want to develop code for an issue that has achieved consensus on GitHub, we suggest starting with issues labeled as Good first issue. These are simple issues that will help you get a feel for PeeringDB.

Style

Before you start developing code look at how similar functions have been implemented. Use the same design as existing functions and develop unit tests for your code. We aim for 80% unit test coverage. You also need to run black on your code before submitting a Pull Request. We use black to ensure that all of our code has the same formatting. Reusing designs, developing unit tests, and using consistent formatting makes it easier for us to maintain the code over time.

We keep the feature parity between the web interface and the API. A feature added to one needs to be added to the other.

The implementation details documented in issues should be detailed enough to use as documentation for the web interface. Documentation is also needed for the API. The minimum we need for API documentation is an example of how to format the request and a pointer to the document section to update.

Documentation updates

- Started series of HOWTOs
  - https://docs.peeringdb.com/howtos/
- Regular blogs on new features
  - https://docs.peeringdb.com/blogs/
- Announced on social media
- See also our 2022 Product Report

Create entries
- Get Started with PeeringDB as a Exchange Operator
- Get Started with PeeringDB as a Facility Operator
- Get Started with PeeringDB as a Network Operator

Manage entries
- Manage Organizational Policy
- Manage User Permissions

Search
- Get Started with Search in PeeringDB
- Work Within PeeringDB's Query Limits

Authentication and security
- Authenticate to PeeringDB
- Get Started with API Keys
- Report a Security Issue

Other
- Get Started with Developing for PeeringDB
- Setup a PeeringDB Development Environment
- What is AS112?

Questions?

Need help? Contact support@peeringdb.com

Got a feature idea? Contact productcom@lists.peeringdb.com