Introduction to PeeringDB

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arnold@peeringdb.com
What is PeeringDB?

• Why should my facility, IXP or network be listed in PeeringDB?
  • Helps establish new peering more efficiently, with all information easy to find in one place
    • Maintain all of your contact and connection info
    • Find other network's peering contact and connection info
    • Find interconnection facility and IXP info

• A PeeringDB record is required by many networks to peer

• Can be used for automation to generate router configurations
  • Initial configuration to setup peering quickly
  • Update configuration if maximum prefixes change
### SAFNOG Region from PeeringDB’s Point of View

<table>
<thead>
<tr>
<th>Country</th>
<th>IX</th>
<th>Facilities</th>
<th>Networks at IXes</th>
<th>Networks in Facilities</th>
<th>Networks total</th>
<th>Networks in PeeringDB</th>
<th>Networks in RIR</th>
</tr>
</thead>
<tbody>
<tr>
<td>AO</td>
<td>2</td>
<td>4</td>
<td>17</td>
<td>8</td>
<td>21</td>
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<td>0</td>
<td>0</td>
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<tr>
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<td>2</td>
<td>0</td>
<td>2</td>
<td>3</td>
<td>9</td>
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<tr>
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<td>3</td>
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<tr>
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<td>0</td>
<td>0</td>
<td>0</td>
<td>6</td>
<td>26</td>
</tr>
</tbody>
</table>
### Facilities
- **Name**: Tanzania National Internet Data Center
  - **Country/City**: Tanzania, Dar es Salaam

### Networks
- **Name**: TISPANet
  - **ASN**: 327682
- **Name**: TISPANet Route Servers
  - **ASN**: 327684
- **Name**: TISPANet Route Servers
  - **ASN**: 327691

### Exchanges
- **Name**: TISPANet
  - **Country**: Tanzania
  - **City**: Arusha

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**Facilities are Shown Here**
- TISPANet has 2 Facilities

**Networks are Shown Here**
- TISPANet has 12 Network Records

**Exchanges are Shown Here**
- TISPANet has 5 Exchange Records

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**PeeringDB**

2019-08-28

SAFNOG-5, Johannesburg, South Africa
The GUI // ix View

IX Information is Shown Here

LAN Information is Shown Here
TIX Tanzania has 2 IPFX Records

Facility Information is Shown Here
TIX Tanzania is in 2 Facilities

Peers are Shown Here
RESTful API Designed for Automation

• All operations are supported and are designed to be automated
  • Read
  • Create
  • Update
  • Delete

• Each object type has an associated tag
  • Basic types: org, net, ix, fac, poc
  • Derived types: ixfac, ixlan, ixfpx, netfac, netixlan

• List of objects: https://peeringdb.com/apidocs/
• API documentation: http://docs.peeringdb.com/api_specs/
Quick Example Output in JSON

- Specific: `https://peeringdb.com/api/net/20?pretty&depth=0&fields=id,org_id,name,asn,created,updated`

```json
{
  "meta": {},
  "data": [
    {
      "id": 20,
      "org_id": 10356,
      "name": "20C",
      "asn": 63311,
      "created": "2014-11-17T14:59:34Z",
      "updated": "2019-02-23T00:12:20Z"
    }
  ]
}
```
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
  • 344 addresses subscribed to the Governance mailing list (as of April 16, 2019)
  • Governance list is at http://lists.peeringdb.com/cgi-bin/mailman/listinfo/pdb-gov
  • More information available at http://gov.peeringdb.com/
## Committees

<table>
<thead>
<tr>
<th>Admin Committee</th>
<th>Operations Committee</th>
<th>Outreach Committee</th>
<th>Product Committee</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Manage administration of user accounts and PeeringDB records</td>
<td>• Manage PeeringDB infrastructure</td>
<td>• Manage marketing and social media</td>
<td>• Manage roadmap and development priorities</td>
</tr>
<tr>
<td>• Answer support tickets</td>
<td></td>
<td>• Develop and maintain presentations, workshops and webinars</td>
<td>• Ask for input from the community on desired features</td>
</tr>
<tr>
<td>• Cleansing and completion of PeeringDB records</td>
<td></td>
<td>• Coordinate presentations and attendance at events</td>
<td>• Write SoWs to solicit bids to complete requested features</td>
</tr>
</tbody>
</table>

Leads: Stefan Funke (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: Stephen McManus (Chair) and Matt Griswold (Vice Chair)
Product Manager: Filiz Yilmaz
Contact: productcom@lists.peeringdb.com
New Product Manager

• Filiz Yilmaz joined as our Product Manager on 2019-04-01

• Responsibilities
  • Facilitate the creation of an ongoing roadmap for PeeringDB and provide this as input to the Outreach Committee
  • Shepherd the discussions of issues on GitHub and ensure resolution of issues that require decisions
  • Manage implementation and rollout of new features
  • Maintain the PeeringDB software release schedule
  • Keep Product Committee related documents on docs.peeringdb.com up to date

• Contact: filiz@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 for sponsorship info!

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**Microsoft**

<table>
<thead>
<tr>
<th>Organization</th>
<th>Microsoft Corporation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Also Known As</td>
<td>8068 8069</td>
</tr>
<tr>
<td>Company Website</td>
<td></td>
</tr>
<tr>
<td>Primary ASN</td>
<td>8075</td>
</tr>
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</table>

**DE-CIX Frankfurt**

<table>
<thead>
<tr>
<th>Organization</th>
<th>DE-CIX Management GmbH</th>
</tr>
</thead>
<tbody>
<tr>
<td>Long Name</td>
<td>Deutscher Commercial Internet Exchange</td>
</tr>
<tr>
<td>City</td>
<td>Frankfurt</td>
</tr>
<tr>
<td>Country</td>
<td>DE</td>
</tr>
<tr>
<td>Continental Region</td>
<td>Europe</td>
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<tr>
<td>Media Type</td>
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Contact sponsorship@peeringdb.com for sponsorship info!
Thank you to our sponsors!

Diamond Sponsor: Amazon

Platinum Sponsors: BCIX, DE CIX

Gold Sponsors: e-shelter, Facebook, FranceIX, PREFIX IPv4 BROKER, Stealth Communications

Silver Sponsors: ANEXIA, AMSIX, APNIC, BIX, COLOGIX, DIGITAL REALTY, Epsilon, GTT, INTERXION, JPIX, KDDI, TELEHOUSE, LINX, NORDIX, NIIX, NIX-CZ, NLIX, NTT Communications, NYIIX, LAIIX, RACK9i1, RIPE NCC, SySeVen, TERRA INCO, ZenLayer
PeeringDB is Open Source Software!

- Open source release announcement on 2018-11-10
  - Released under the 2-Clause BSD License: https://opensource.org/licenses/BSD-2-Clause
  - Beneficial to the peering and interconnection community by promoting innovation
    - Allows volunteers to contribute
    - Makes it easier for third parties to bid on new features specified by the Product Committee
    - A processes for accepting contributions will be announced

- Source code is available on GitHub: https://github.com/peeringdb/peeringdb
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 documentation on** [https://docs.peeringdb.com/ix-f-json-import-rules/](https://docs.peeringdb.com/ix-f-json-import-rules/)
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.

Specificamente, somos um banco de dados de redes que fazem peering, onde eles fazem peering, e se eles gostariam de fazer peering com você. Se você não sabe o que é peering, e/ou se você ainda não faz peering, então isso provavelmente não terá qualquer significado para você.

Você está atualmente numa visualização somente leitura dos dados contidos aqui. Se você é uma rede de peering que gostaria de criar uma conta, você pode se registrar para uma aqui. Por favor, registrar apenas se estiver uma rede de Peering.

Ainda tem dúvidas ou perguntas? Leia o nosso FAQ
## Current Translations

<table>
<thead>
<tr>
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<th>Translated</th>
<th>Words</th>
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<td>0.0%</td>
</tr>
<tr>
<td>Chinese (Simplified)</td>
<td>88.7%</td>
<td>78.1%</td>
</tr>
<tr>
<td>Chinese (Traditional)</td>
<td>90.1%</td>
<td>78.9%</td>
</tr>
<tr>
<td>Czech</td>
<td>79.3%</td>
<td>62.0%</td>
</tr>
<tr>
<td>Danish</td>
<td>27.9%</td>
<td>14.0%</td>
</tr>
<tr>
<td>English (United States)</td>
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<td>0.0%</td>
</tr>
<tr>
<td>French</td>
<td>83.9%</td>
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<tr>
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<td>68.8%</td>
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</tr>
<tr>
<td>Turkish</td>
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<td>0.0%</td>
</tr>
</tbody>
</table>
How to contribute to translations

1. Open a new issue named “Please generate locale files” on the GitHub issue page: https://github.com/peeringdb/peeringdb/issues

2. Your language / locale will be added to https://translate.peeringdb.com

3. Add yourself for selected languages / locales
   • Login to https://translate.peeringdb.com with your PeeringDB credentials
   • Edit your profile https://translate.peeringdb.com/accounts/profile/ and add languages your want to help translating

4. PeeringDB team continuously uploads the files to the beta website
   • You can check your translation on the beta website: https://beta.peeringdb.com/

For more info visit: https://docs.peeringdb.com/translation/
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: outreachcom@lists.peeringdb.com
- Uptime status: http://status.peeringdb.com/
- Bugs and feature requests: https://github.com/peeringdb/peeringdb/
- Social media:
  - https://www.facebook.com/peeringdb/
  - https://www.linkedin.com/company/peeringdb
  - @PeeringDB