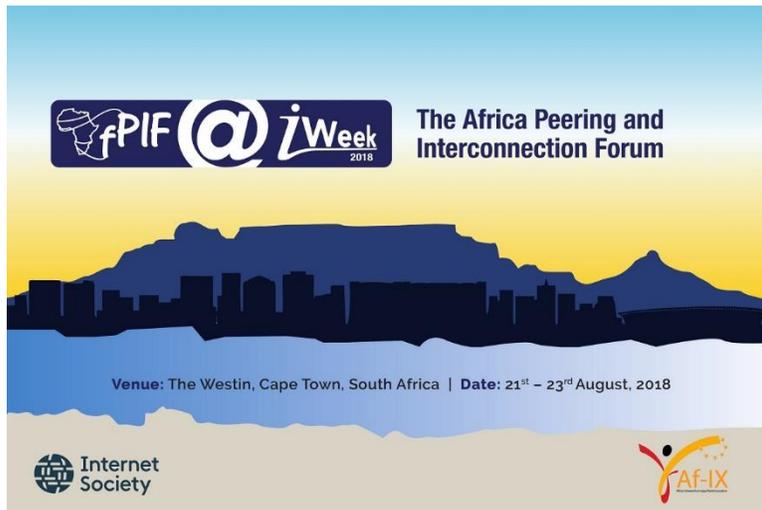# PeeringDB Update

Arnold Nipper

arnold@peeringdb.com

Agenda

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

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
  - 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/

Committees

| Admin Committee	Operations Committee	Outreach Committee	Product Committee
• Manage administration of user accounts and PeeringDB records • Answer support tickets	• Manage PeeringDB infrastructure	• Manage marketing and social media • Develop and maintain presentations, workshops and webinars • Coordinate presentations and attendance at events	• Manage roadmap and development priorities • Ask for input from the community on desired features • Write SoWs to solicit bids to complete requested features
Leads: Arnold Nipper (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: Eric Loos (Chair) and Matt Griswold (Vice Chair) Contact: productcom@lists.peeringdb.com

Support Ticket Statistics
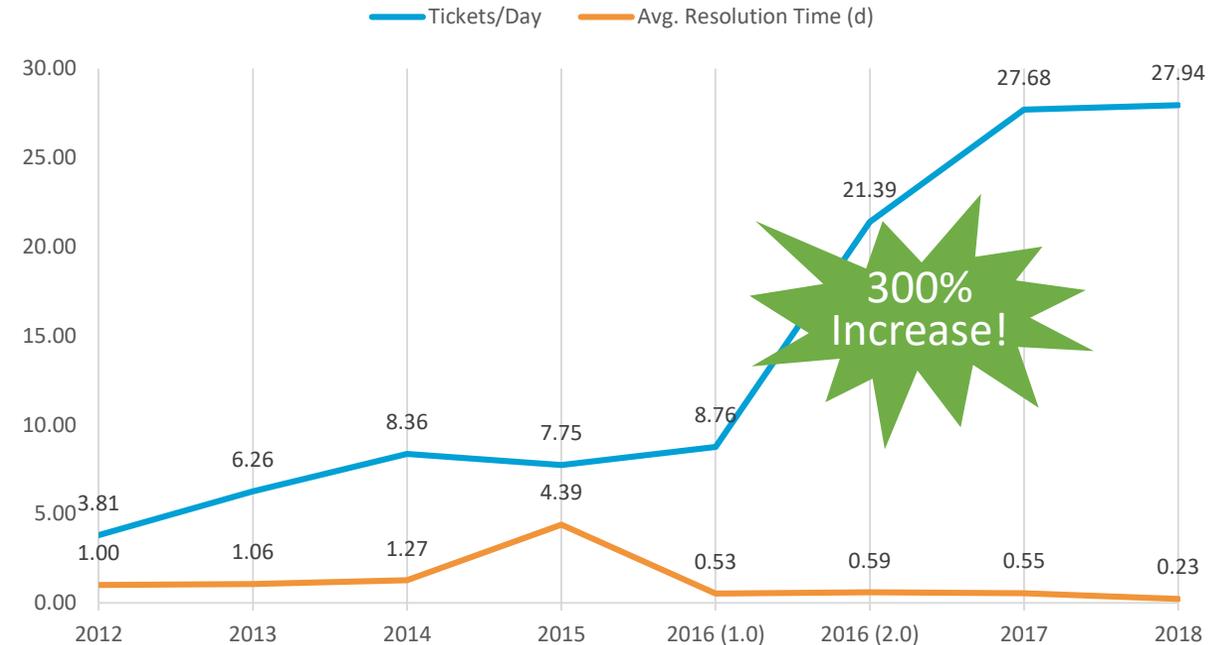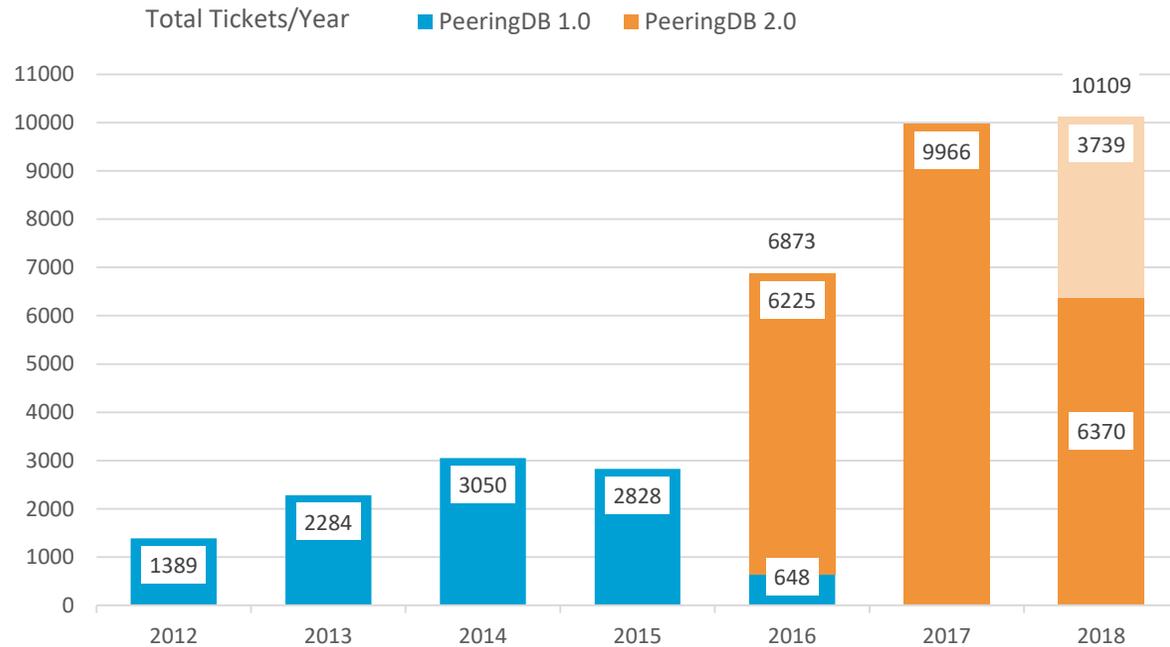
- Admin Committee volunteers are based around the world in a variety of time zones with diverse language skills
- Goal is to resolve support tickets within 24 hours

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

Microsoft [Diamond Sponsor]

Organization	Microsoft
Also Known As	8068
Company Website	http://www.microsoft.com
Primary ASN	8075
IRR Record	AS-MICROSOFT

DE-CIX Frankfurt [Platinum Sponsor]

Organization	DE-CIX Management GmbH
Long Name	Deutscher Commercial Internet Exchange
City	Frankfurt
Country	DE
Continental Region	Europe

Proud Sponsor of PeeringDB
GOLD

Thank you to our sponsors!

Diamond Sponsor
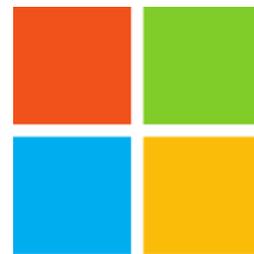
amazon · Microsoft

Platinum Sponsors

DE-CIX · Google

Gold Sponsors

facebook · FranceIX Convergence hub · IX AUSTRALIA INTERNET PEERING FOR AUSTRALIA · PREFIX IPv4 BROKER · Stealth COMMUNICATIONS

Silver Sponsors

anexia · amsix · APNIC · BBIX Internet Exchange · cologix · DIGITAL REALTY · Internet Society · interxion

jpix · KDDI · TELEHOUSE · lacnic · linx · NETNOD · NIX·CZ · NLix neutral internet exchange · NTT Communications

NYIIX · LAIIX · RIPE NCC RIPE NETWORK COORDINATION CENTRE · SysEleven · TERACO AFRICA'S DATA CENTRE · workonline communications · zenlayer

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# 2018 – 2019 Strategic Direction

- 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

**Rock Solid
Critical Infrastructure**

Uptime Status: http://status.peeringdb.com/

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
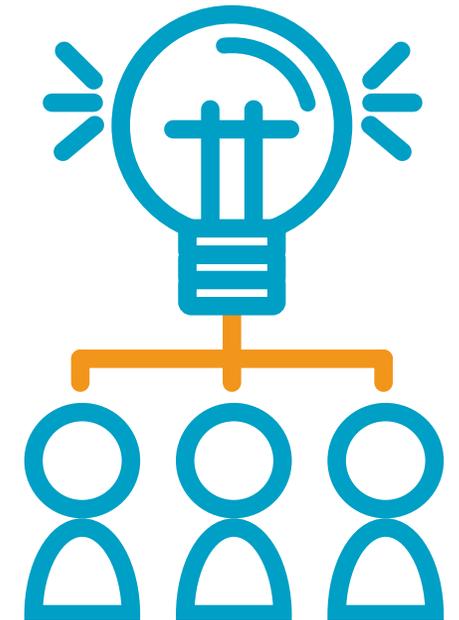
High Priority Tasks for 2018

- 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 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/
- Product Committee feature process
  - Evaluate and prioritize the requests
  - Request a quote for development costs
  - Request budget from the board
  - Manage implementation and scheduling

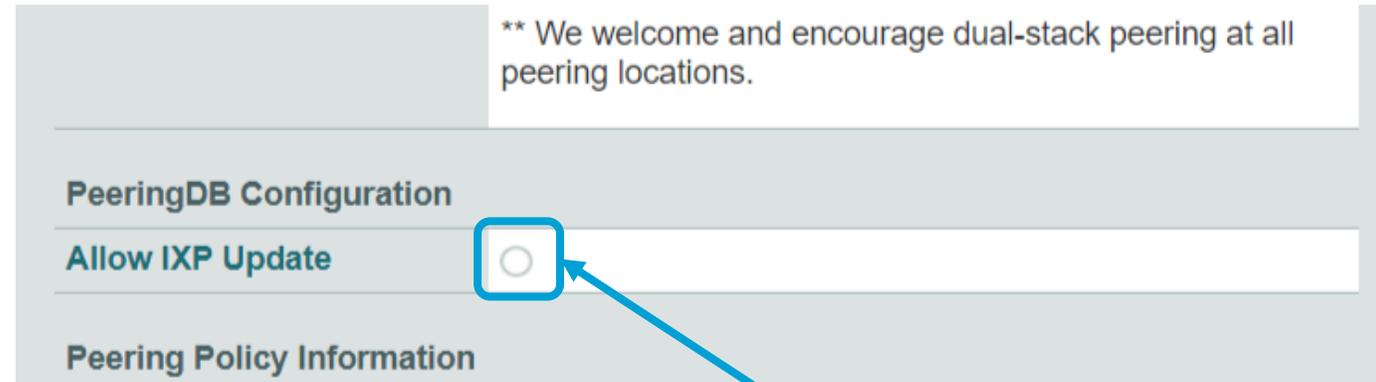| Example Categories |
| --- |
| AC (Support Workflow) |
| Bug |
| Enhancement |
| Usability |

Your input is needed on features!
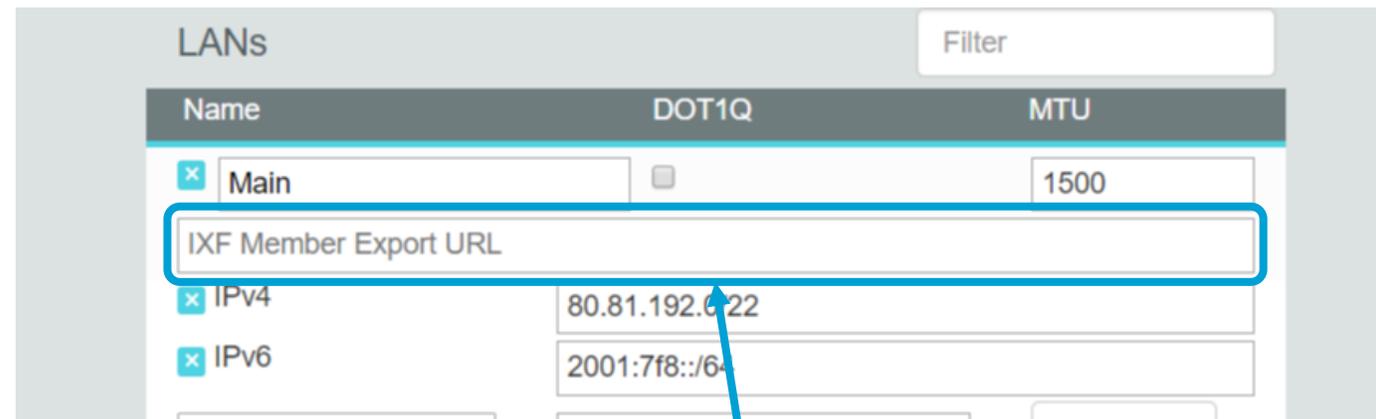
2018 Roadmap and Releases

- 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

- 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

- Release 2.10.2 on 2018-08-15
  - Suggest Facilities
  - Several small features and bug fixes

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
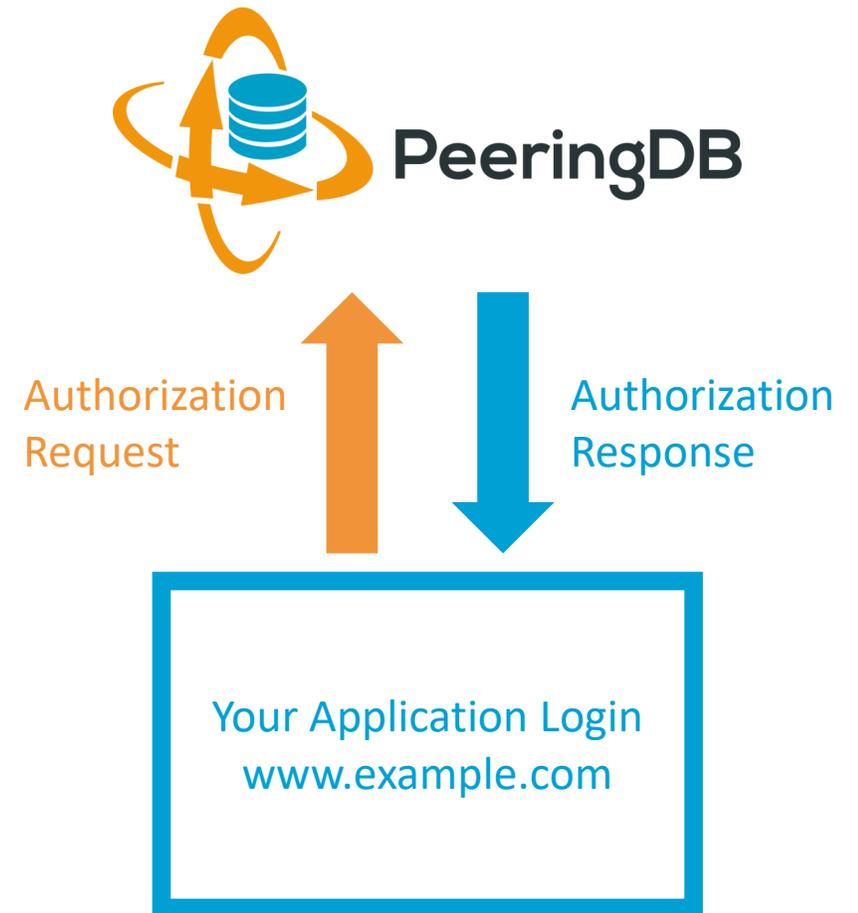
- See issue #237 on GitHub for details

** We welcome and encourage dual-stack peering at all peering locations.

PeeringDB Configuration

Allow IXP Update ◯

Peering Policy Information

Networks Click "Allow IXP Update" in Network Record

| LANs		Filter
Name	DOT1Q	MTU
Main	☐	1500
IXF Member Export URL		
IPv4	80.81.192.622	
IPv6	2001:7f8::/64	

IXPs Set Export URL in Exchange Record

OAuth Authentication – New in 2.7.1

- 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/

PeeringDB

Authorization Request

Authorization Response

Your Application Login www.example.com

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
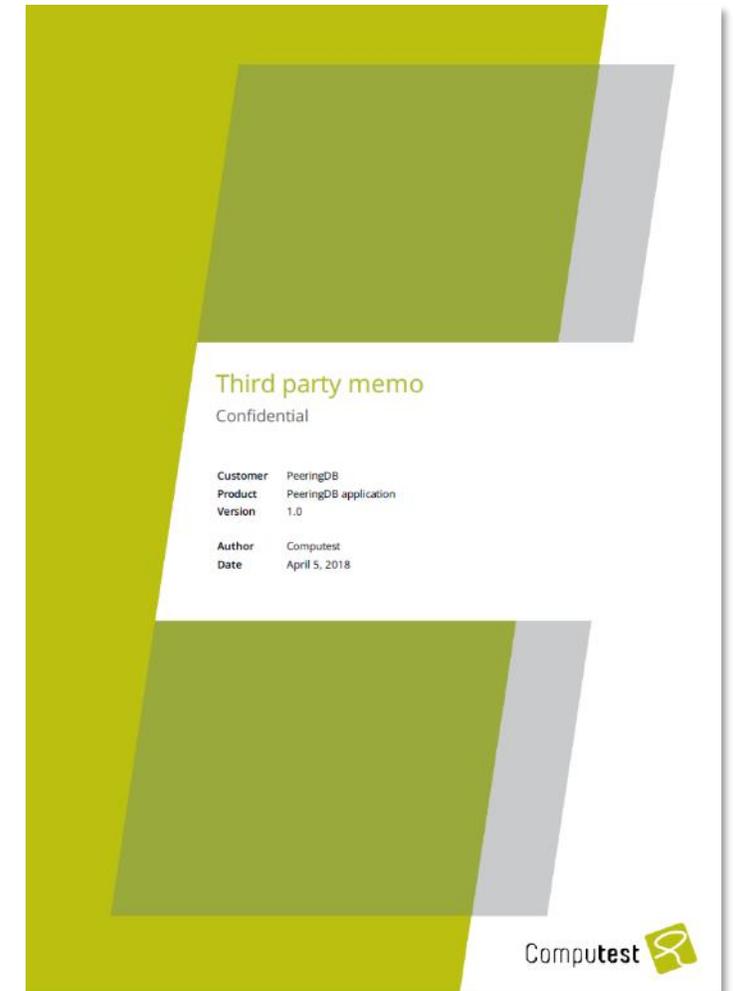
Internationalization Support – New in 2.9.1
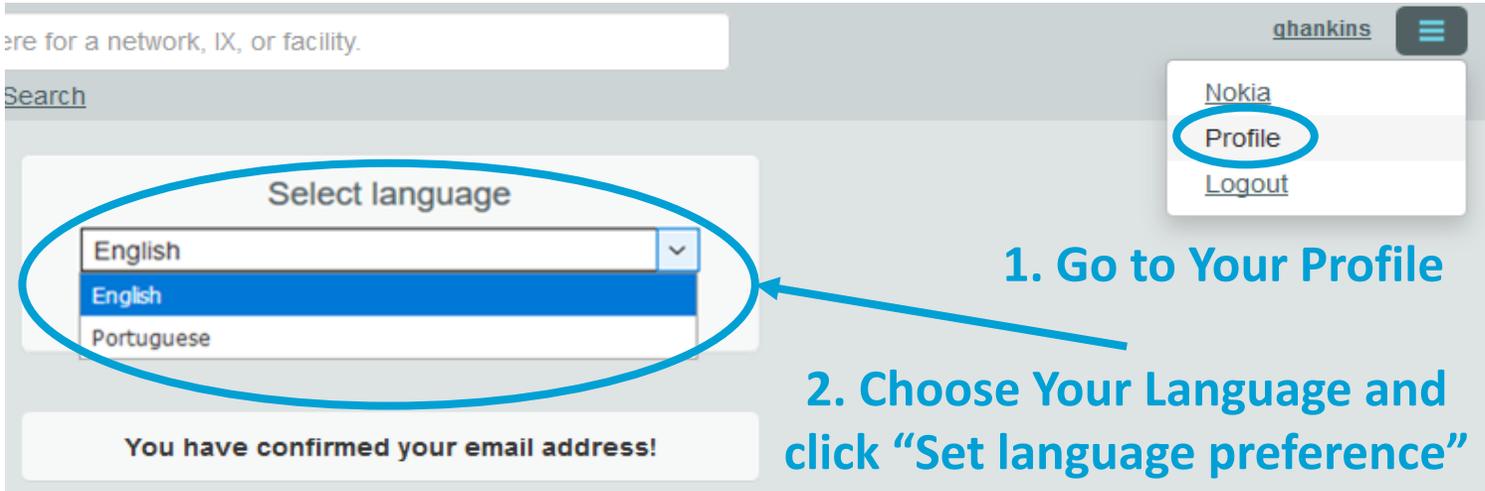
1. Go to Your Profile

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

Especificamente, 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

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?