PeeringDB

PeeringDB Update

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Agenda

1. What is PeeringDB?
2. Organizational Update
3. Recent Developments & Product Update
4. What is next?
5. Feedback

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

What is PeeringDB?

Why should my exchange, network or facility 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

Database Record Statistics (as of 5 Nov 2019)

	2.0 Launch 2016-03-15	2016-12-31	2017-12-31	2018-12-31	2019-08-01	2019-11-05
Exchanges	630	556	614	661	662	707
Networks	5,881	8,116	11,327	14,179	15,932	16,970
Facilities	1,957	2,130	2,635	2,834	2,991	3,399
Organizations	7,490	9,132	11,917	14,402	15,992	16,675
Users	7,866	11,486	15,538	19,668	22,152	23,289

- Strong growth continues since PeeringDB 2.0 launch
  - Lower IXP count in 2016 due to database cleanup
- Users number indicates registered users affiliated with an organization
  - Not an indication of total PeeringDB users

(Partial) RIPE region from PeeringDB's Point of View

Country	IX	Facilities	Networks at IXes	Networks in Facilities	Networks total	Networks in PeeringDB	Networks in RIR
RU	37	79	432	249	487	512	6254
DE	27	195	1153	956	1427	769	2703
FR	16	151	530	490	659	438	1514
PL	14	54	575	446	619	592	2564
GB	14	186	838	876	1131	746	2738
SE	14	45	232	208	294	180	820
UA	13	33	171	115	192	192	2229
NL	12	126	1058	764	1261	419	1410
IT	10	65	332	266	388	283	1120
CH	9	56	269	232	343	220	917
NO	7	37	76	66	97	72	361
ES	7	37	197	206	262	178	1112
BG	6	19	102	92	140	78	776

Table: Top 13 countries in RIPE region - based on number of IXs - data as seen on 4 November 2019

Organizational Update - Board of Directors and Officers

Chris Caputo – Secretary & Treasurer
(Non-Board Member)

Patrick Gilmore – Director
(Term Expires 2021)

Aaron Hughes – President
(Term Expires 2020)

Fredrik Korsbäck – Director
(Term Expires 2021)

Bijal Sanghani – Director
(Term Expires 2021)

Job Snijders – Vice President
(Term Expires 2020)

Committees

Admin Committee	Operations Committee	Outreach Committee	Product Committee
• Manage administration of user accounts and PeeringDB records • Answer support tickets • Cleansing and completion of PeeringDB records	• 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: Stefan Funke (Chair)	Leads: Job Snijders (Chair) and Aaron Hughes (Vice Chair)	Leads: Greg Hankins (Chair) and Bijal Sanghani (Vice Chair)	Leads: Stephen McManus (Chair) and Matt Griswold (Vice Chair) Product Manager: Filiz Yilmaz
Contact: admincom@lists.peeringdb.com	Contact: pdb-ops@lists.peeringdb.com	Contact: outreachcom@lists.peeringdb.com	Contact: productcom@lists.peeringdb.com

Product Committee

Stephen McManus – Chair

Matt Griswold – Vice Chair

Shane Kerr

Job Snijders

Arnold Nipper

Greg Hankins – Outreach Liaison

Aaron Hughes – Board Liaison

Filiz Yilmaz – Product Manager

Greg Villain

Recent Developments - Highlights

Product Committee Decision Making process

- Renewed process to act faster on issues
- Product Committee Members to shepherd discussions
- Logging decisions on Github for info dissemination and transparency purposes

Translations

- Process documented internally to streamline the release of translated strings
- Languages will be released at 80% maturity level
- Working on external website to help translators - ongoing

Vendor selection Process

- Currently under discussion
- Increase vendor diversity

Product Update - Highlights

Focusing on the Backlog issues, bugs and translations
Recent versions:
2.15 released on 28 August 2019
2.16 released on 18 September 2019

Changes due to specific issues:
https://github.com/peeringdb/peeringdb/issues?utf8=%E2%9C%93&q=is%3Aissue+milestone%3A2.15.0
https://github.com/peeringdb/peeringdb/issues?utf8=%E2%9C%93&q=is%3Aissue+milestone%3A2.16.0

Fixes for:
- IANA reserved ASNs are not listed in PeeringDB
- Better IP address validation
- Links to maps.google.com in translations
- Oauth correctly sets next url (had priority due to IXP Manager release)
  [Info on Oauth at https://docs.peeringdb.com/oauth/]
- Newlines in Javascript Markdown renderer behave same as in the python renderer

Product Update - Highlights - Next Release

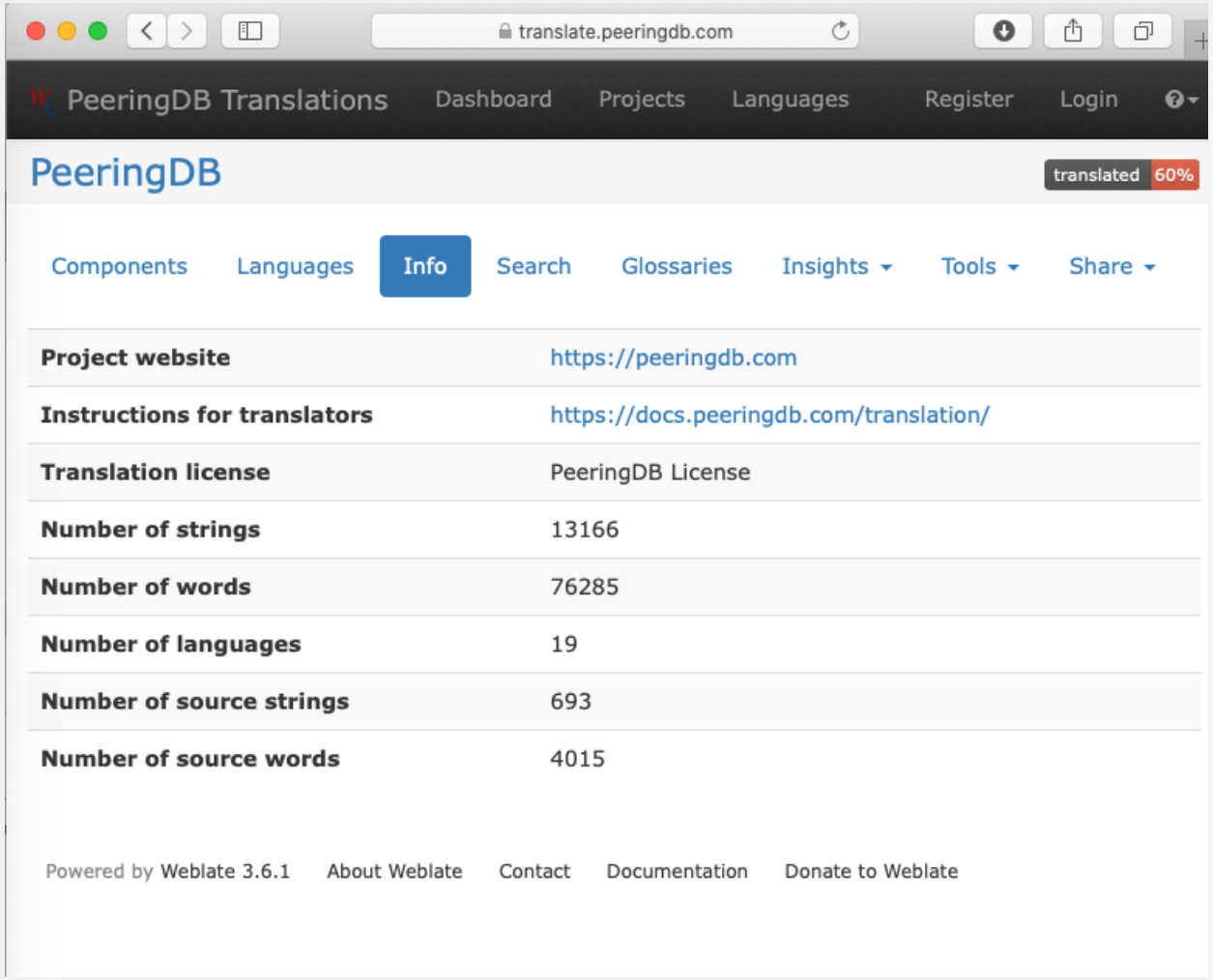
Issues planned for Next release:
https://github.com/peeringdb/peeringdb/issues?utf8=✓&q=milestone%3A%22Next+Release%22

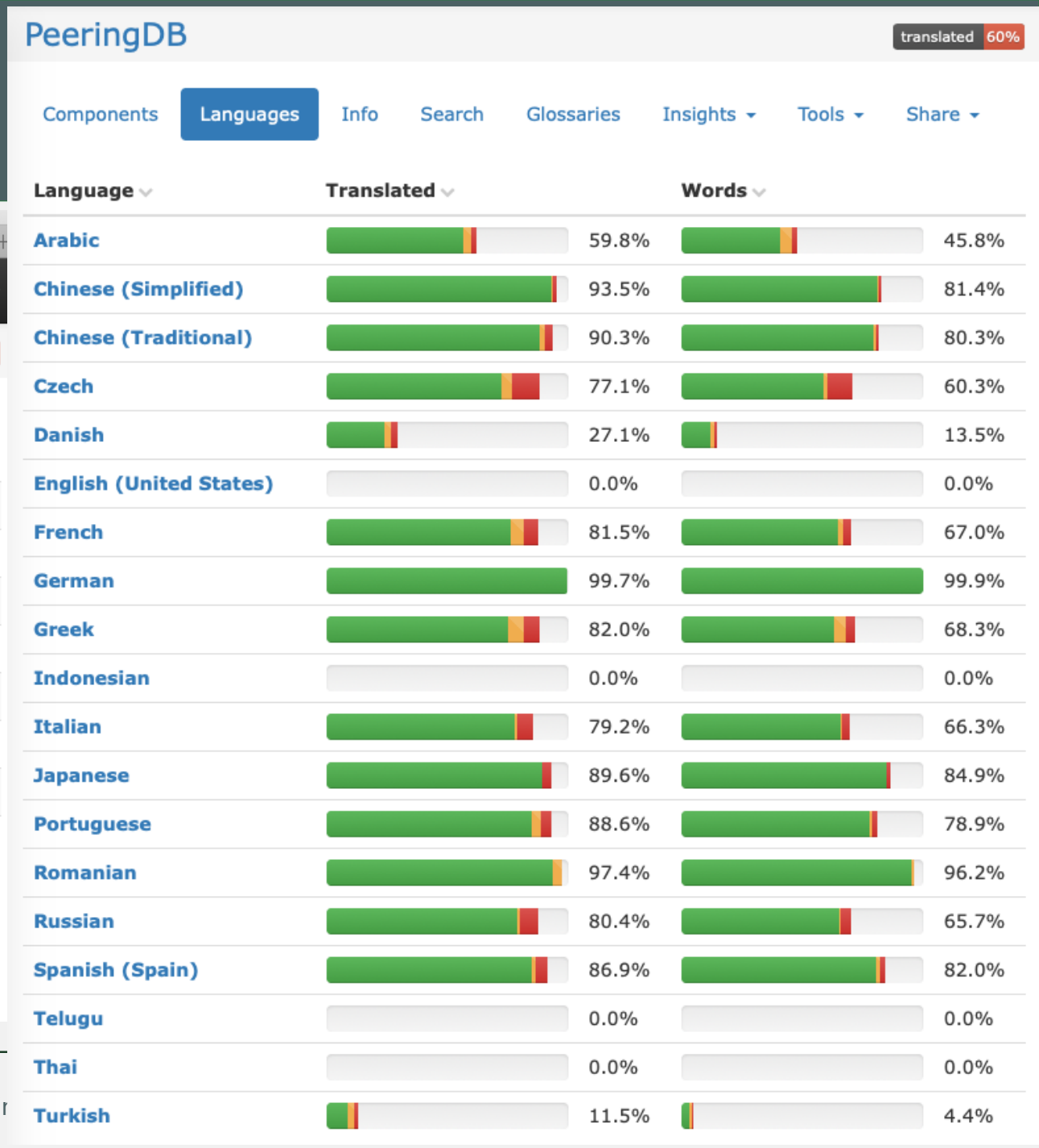
Issues planned for Next release AND Closed:
http://beta.peeringdb.com/changes

Fixes for:

- Better (error) messages to be returned to users trying to add a previously “deleted” object
- Sponsorship control panel will be changed to allow more than one /org/ record to be tied to a single sponsorship
- Fix of an encoding error
- PeeringDB stats bug fixes

Translations





Product Update - Current Discussions

Focus still on the Backlog (bug fixes, translations, user interfacing response fixes) in 2019

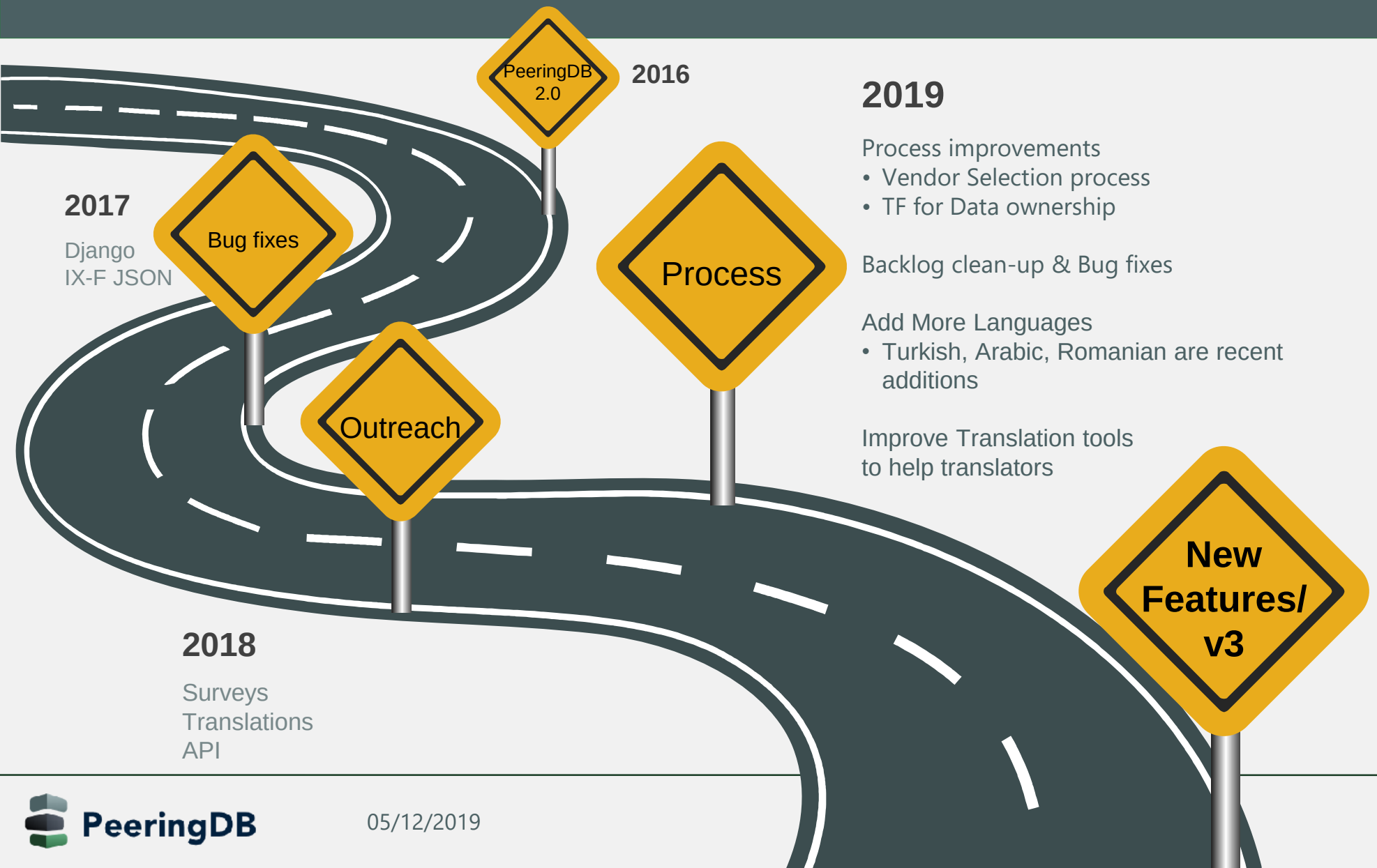
Discussions on

- IX-F importer
- Data deletion and how to retain deleted data for R&D purposes

Data ownership

- Who owns the data when more than one party involved (ex: ixfac, ixlan, netfac etc)?
- Established a Task Force to work on a policy document
- Follow developments at https://docs.peeringdb.com/taskforce/dataownership/

Putting it all together and what next?



2019

Process improvements
- Vendor Selection process
- TF for Data ownership

Backlog clean-up & Bug fixes

Add More Languages
- Turkish, Arabic, Romanian are recent additions

Improve Translation tools to help translators

2020

Process improvements
- Vendor Selection process
- TF for Data ownership

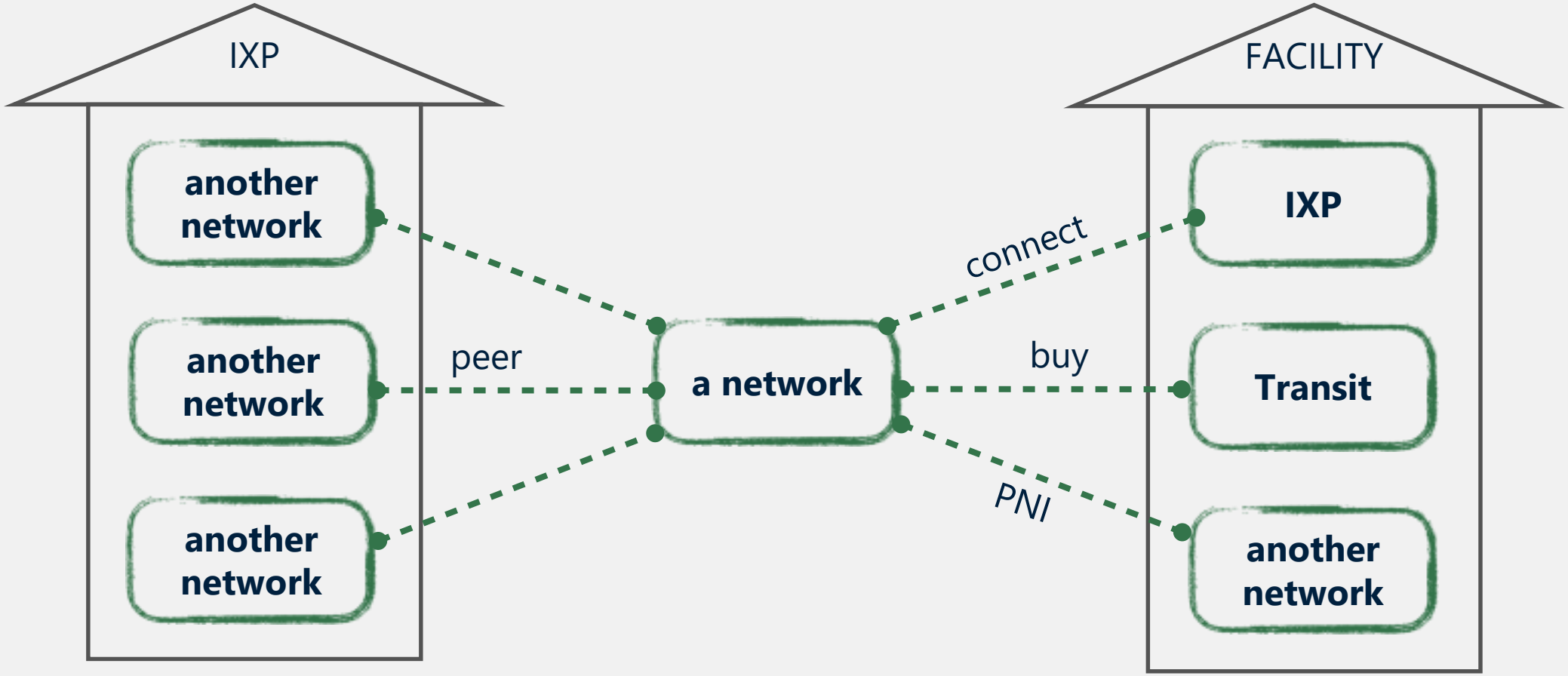
Collect user stories

Identify new features/changes

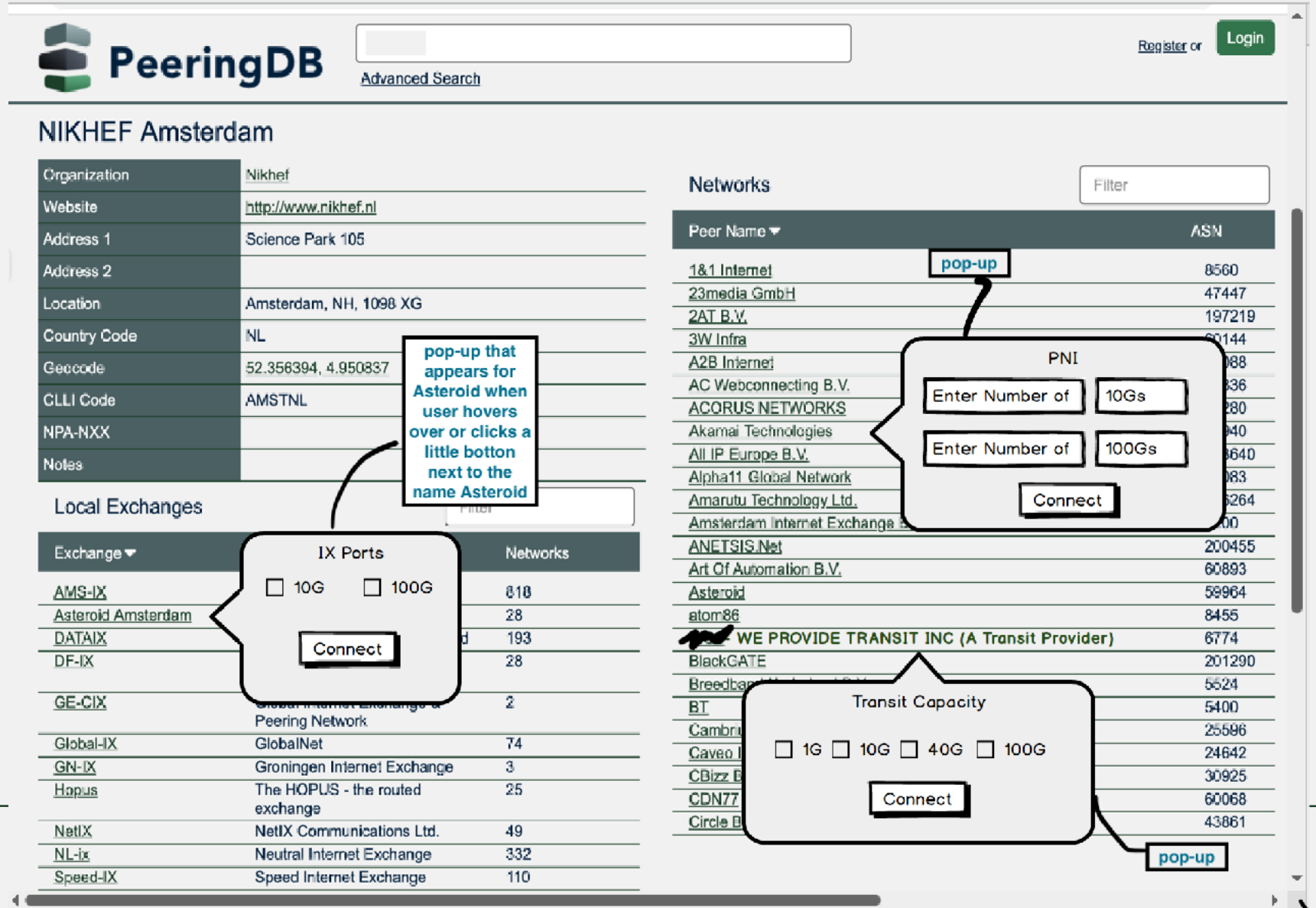
Add new features or go for a v3

Ex: Interconnection requests sent using PeeringDB UI, helping business processes of networks??

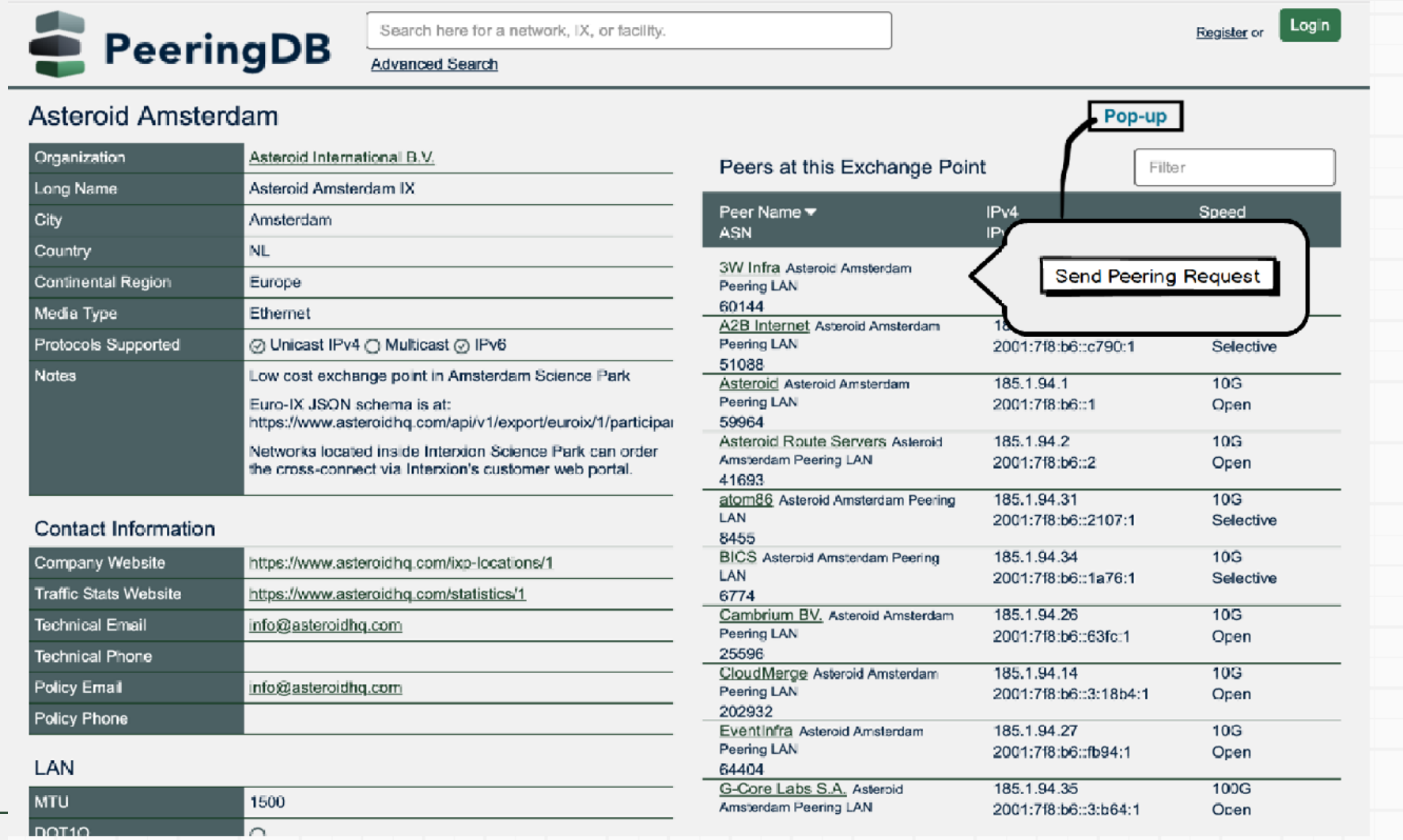
A possible future or a very crazy idea?:
Facilitating Business work processes of a Network over PeeringDB



At a facility there are others: IXs & Networks



At an IX there are other Networks



Want to help?

- Provide feedback on bugs you notice and features you want to see on PeeringDB: Create a GitHub issue at https://github.com/peeringdb/peeringdb/issues
- Volunteer to translate - https://translate.peeringdb.com/
- Volunteer actively taking part in a Committee of your choice!

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

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Thank you

& Don’t forget your t-shirt!