

A network diagram background consisting of a complex web of thin, light blue lines connecting various nodes. Some nodes are represented by larger, glowing blue circles, while others are smaller dots. The overall aesthetic is clean and technical, suggesting a digital or network environment.

euro-IX

Euro-IX Activities & IXPDB

UKNOF 40 - 27 April 2018

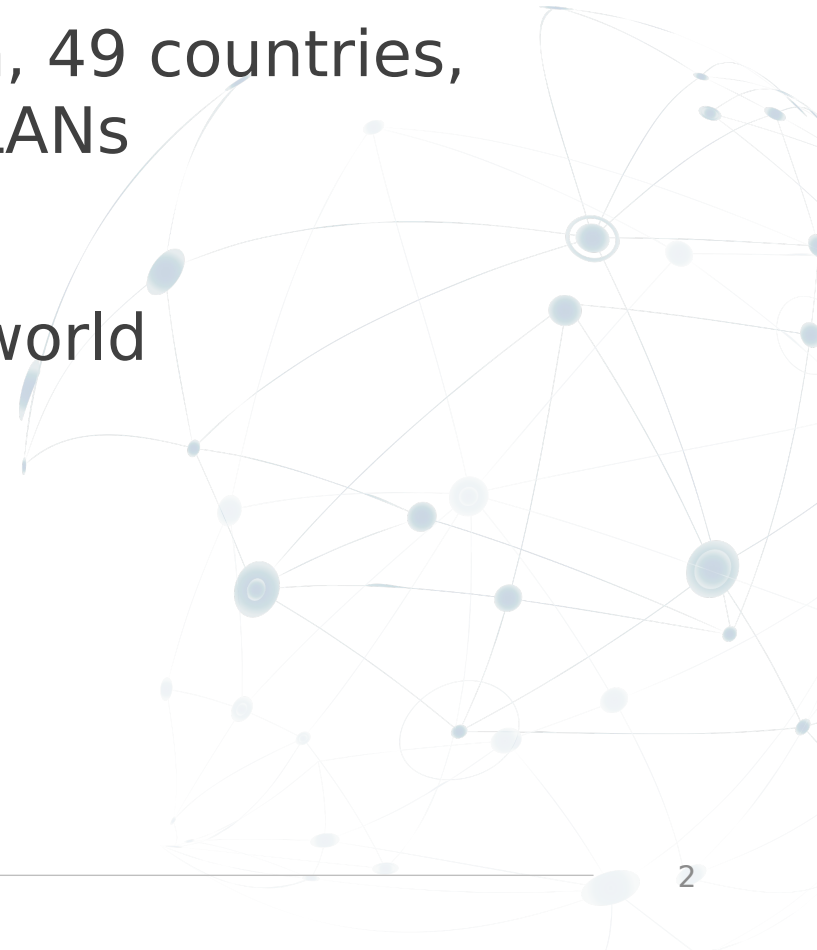
Rebecca Class-Peter



Association of IXPs

78 affiliated members

- 54 IXPs in the Euro-IX region, 49 countries, operating over 100 peering LANs
- 24 IXPs from the rest of the world
- Newest members:
 - Digital Realty (USA, EU)
 - SAIX (Saudi Arabia)
 - CRIX (Cost Rica)





Euro-IX Patrons



THE ELASTIC NETWORK



EQUINIX





Euro-IX Staff

London

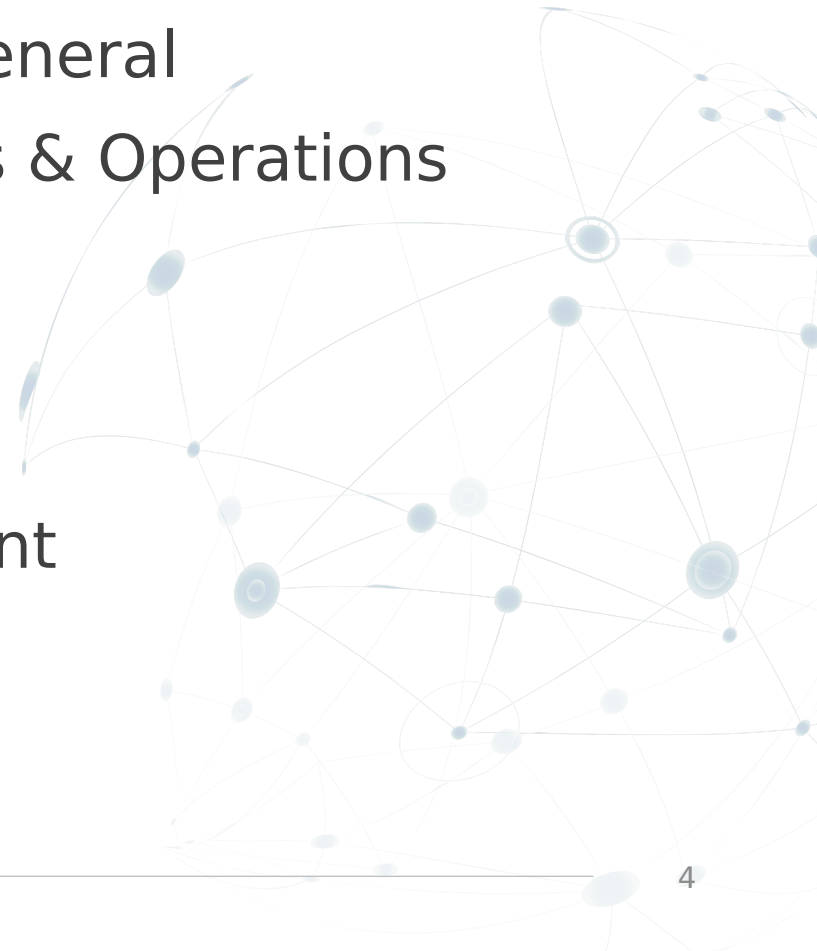
- Bijal Sanghani – Secretary General
- Rebecca Class-Peter – Events & Operations coordinator

Peterborough

- Michael Lewis – UK Accountant

Amsterdam

- VEVP – NL Accountants





Euro-IX Board



Andy Davidson
IXLeeds/Asteroid

Ondrej Filip
NIX.CZ

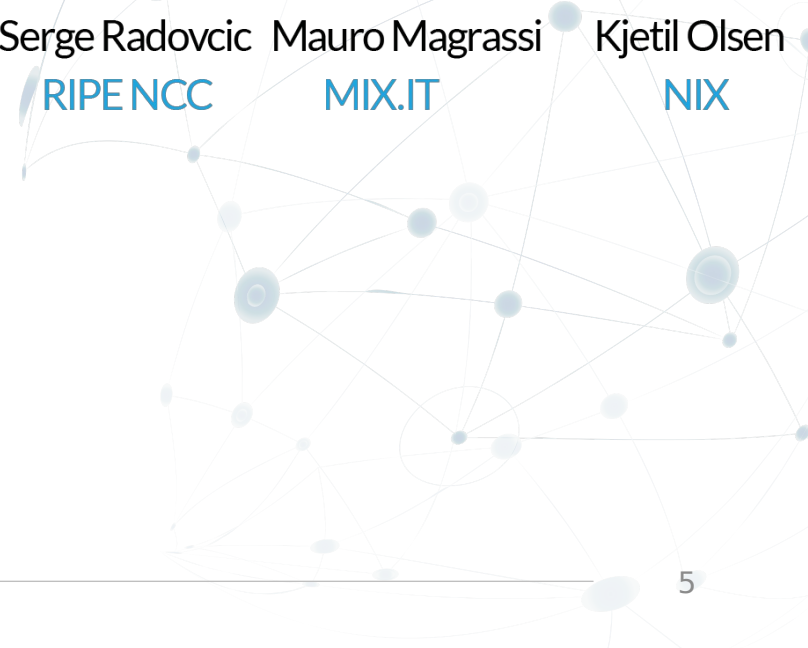
Kurtis Lindqvist
LINX

Harald Michl
VIX

Serge Radovicic
RIPE NCC

Mauro Magrassi
MIX.IT

Kjetil Olsen
NIX



• Euro-IX Forum Programme Committee (FPC)



Marc Bruyere
TouIX



Christoph Dietzel
DE-CIX/UAE-IX



Jo Fereday
LINX



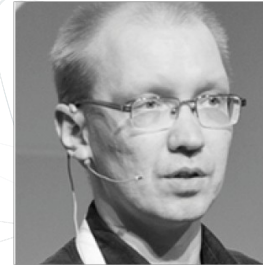
Greg Hankins
Nokia



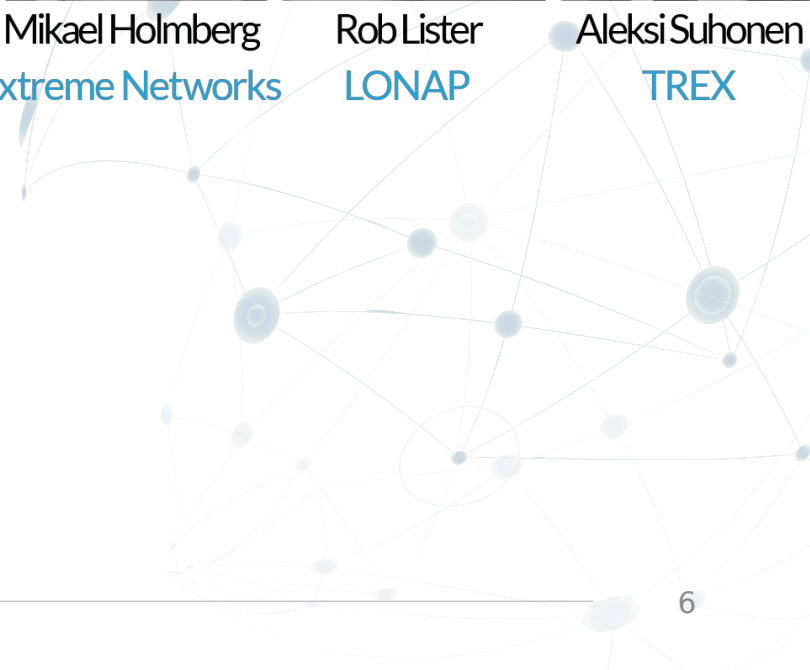
Mikael Holmberg
Extreme Networks

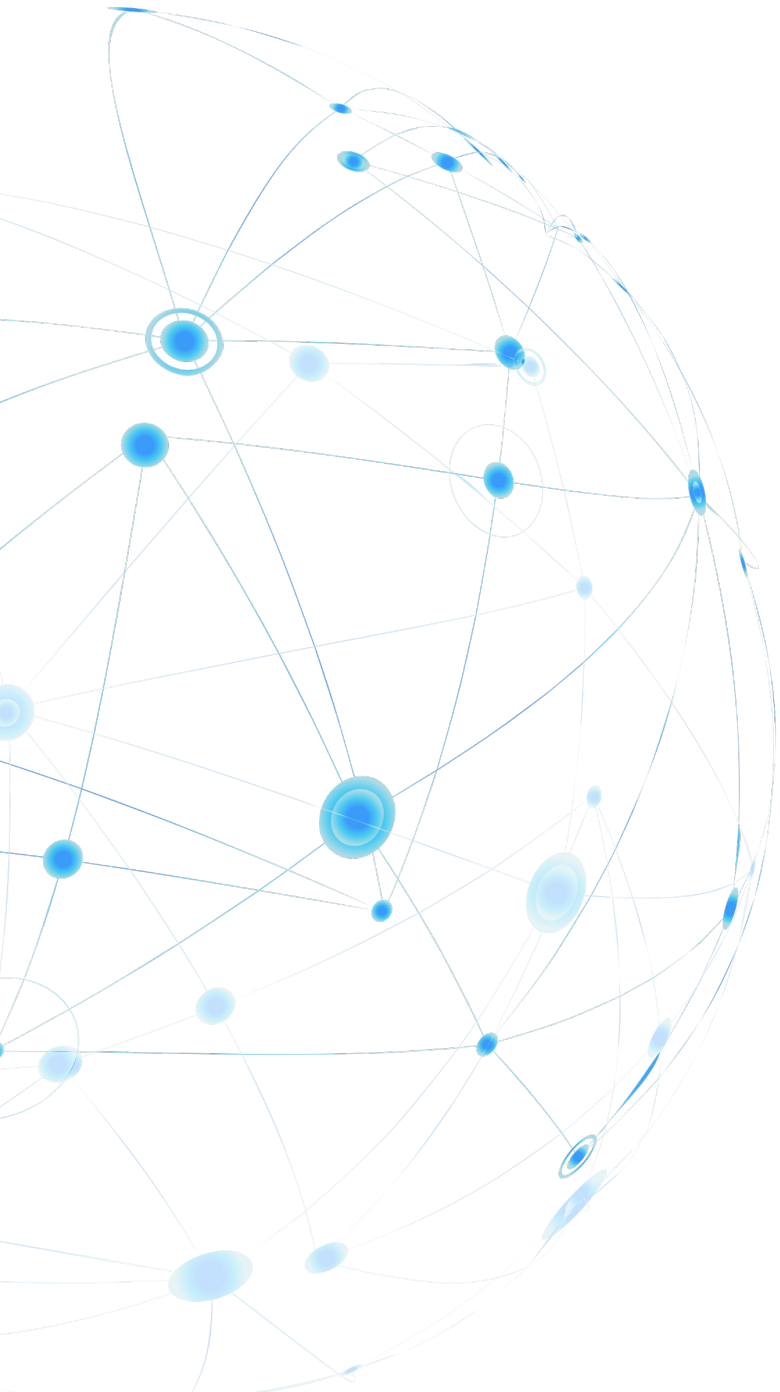


Rob Lister
LONAP



Aleksii Suhonen
TREX





Benchmarking Club





Euro-IX Benchmarking Club

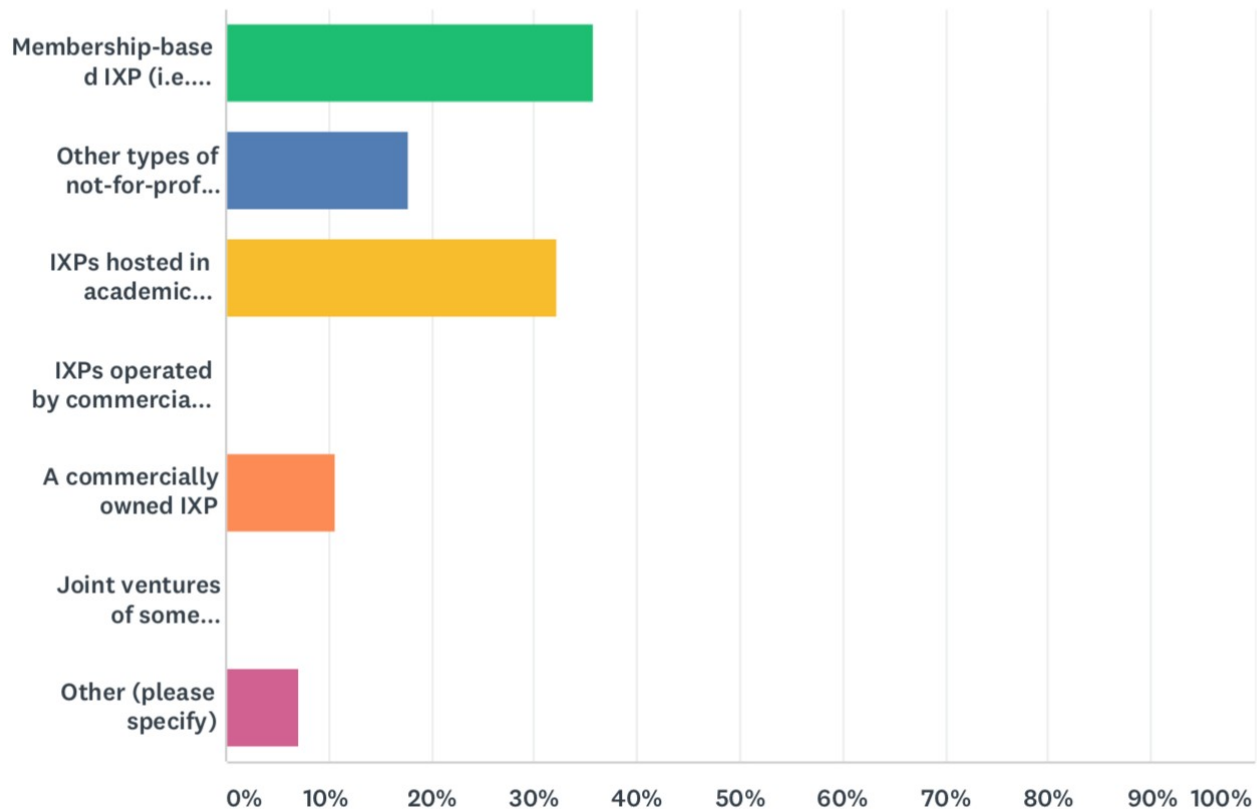
- Committee –
 - John Souter - LINX
 - Luca Cicchelli - TOP-IX
 - Stefan Wahl - ECIX
 - Maria Isabel Gandía Carriedo - CATNIX
- We closed the BMC on **19th March**
- The more IXPs that we get involved the more accurate and more valuable the information will be –
 - Round 11 we had 44 participants
 - Round 12 we had 30 participants
 - **Round 13 we had 38 participants**



Euro-IX Benchmarking Club - Results

Q11 What kind of organisation manages your IX?

Answered: 28 Skipped: 10

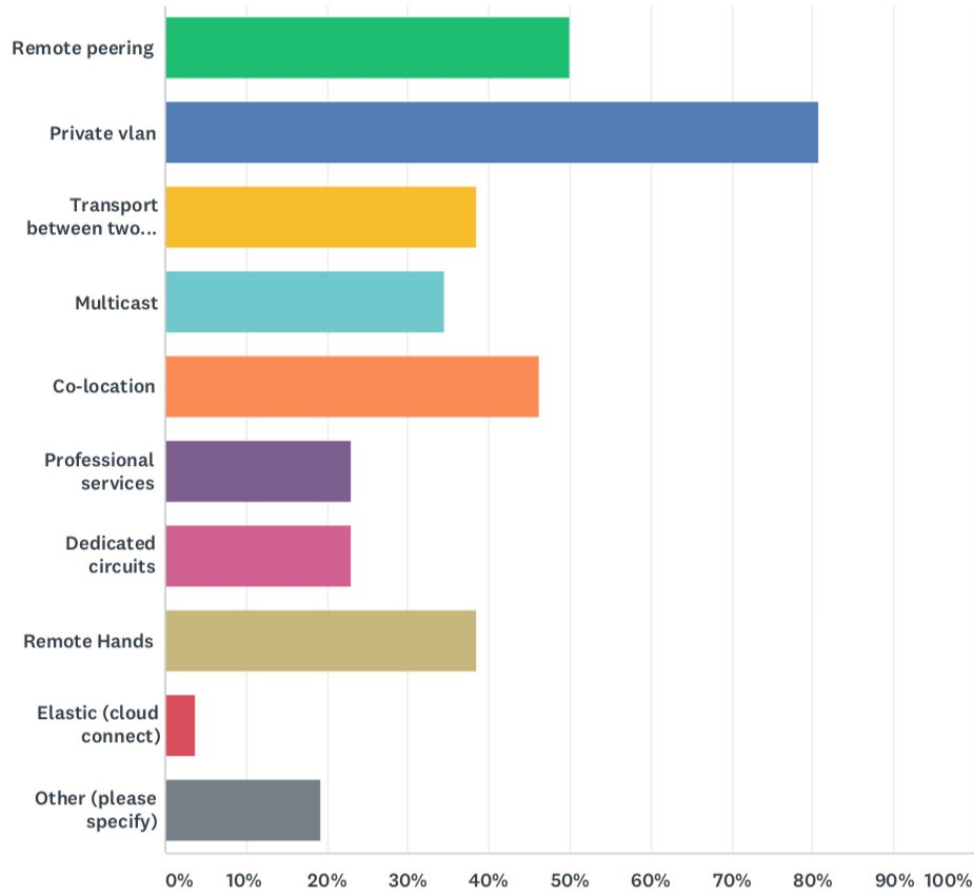




Euro-IX Benchmarking Club - Results

Q17 What extended services do you offer?(Leave blank if not applicable)

Answered: 26 Skipped: 12

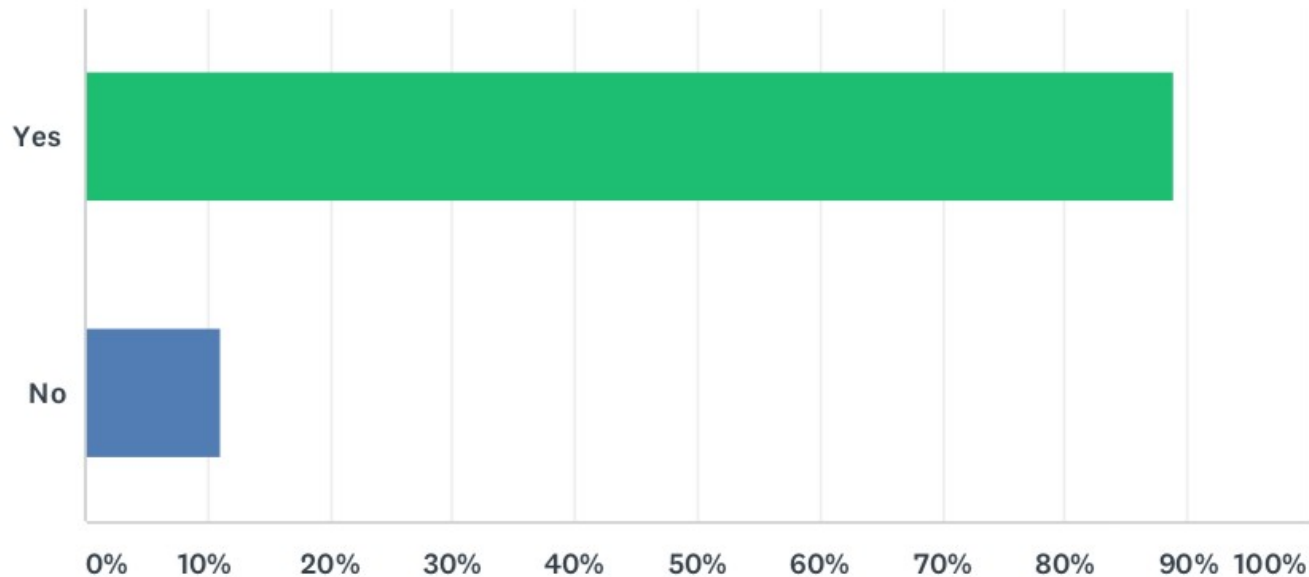


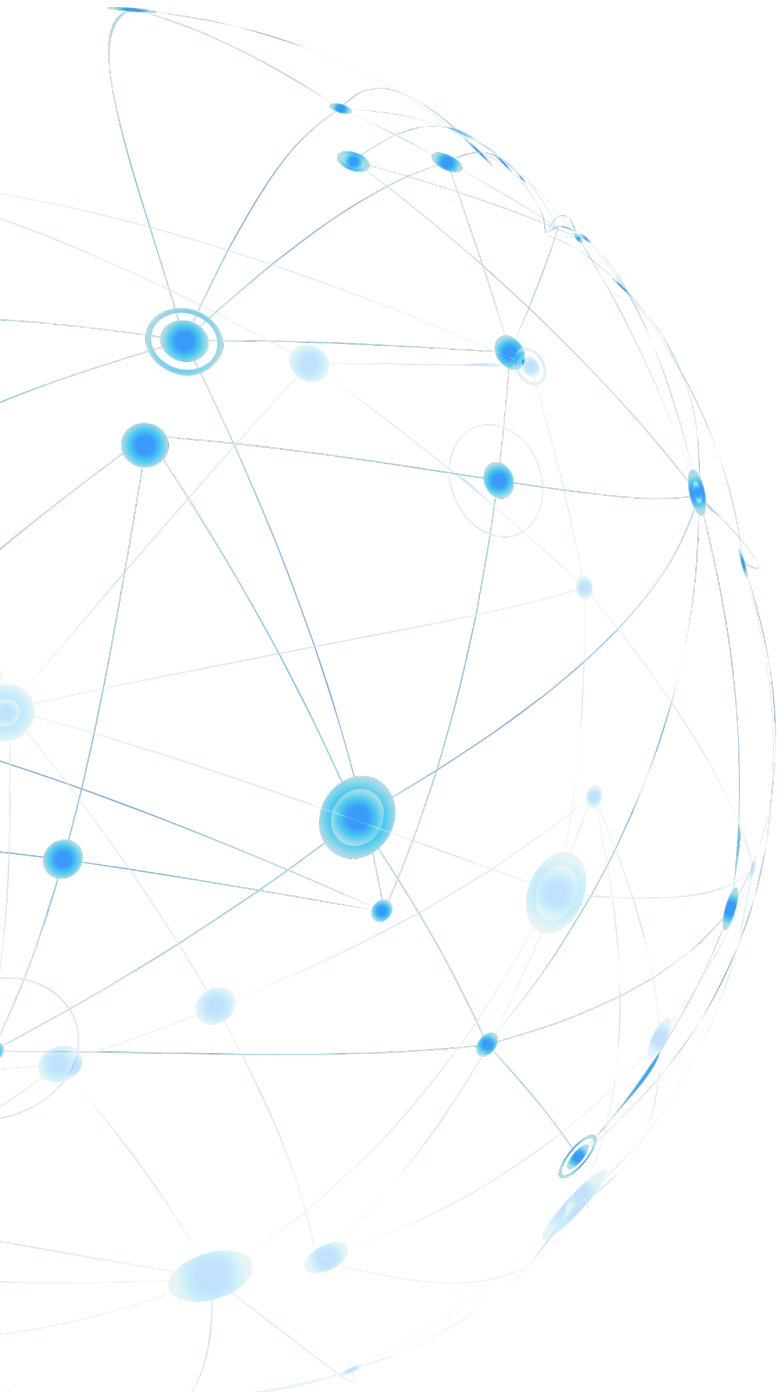


Euro-IX Benchmarking Club - Results

Q37 Do you currently use Route Servers?

Answered: 27 Skipped: 11





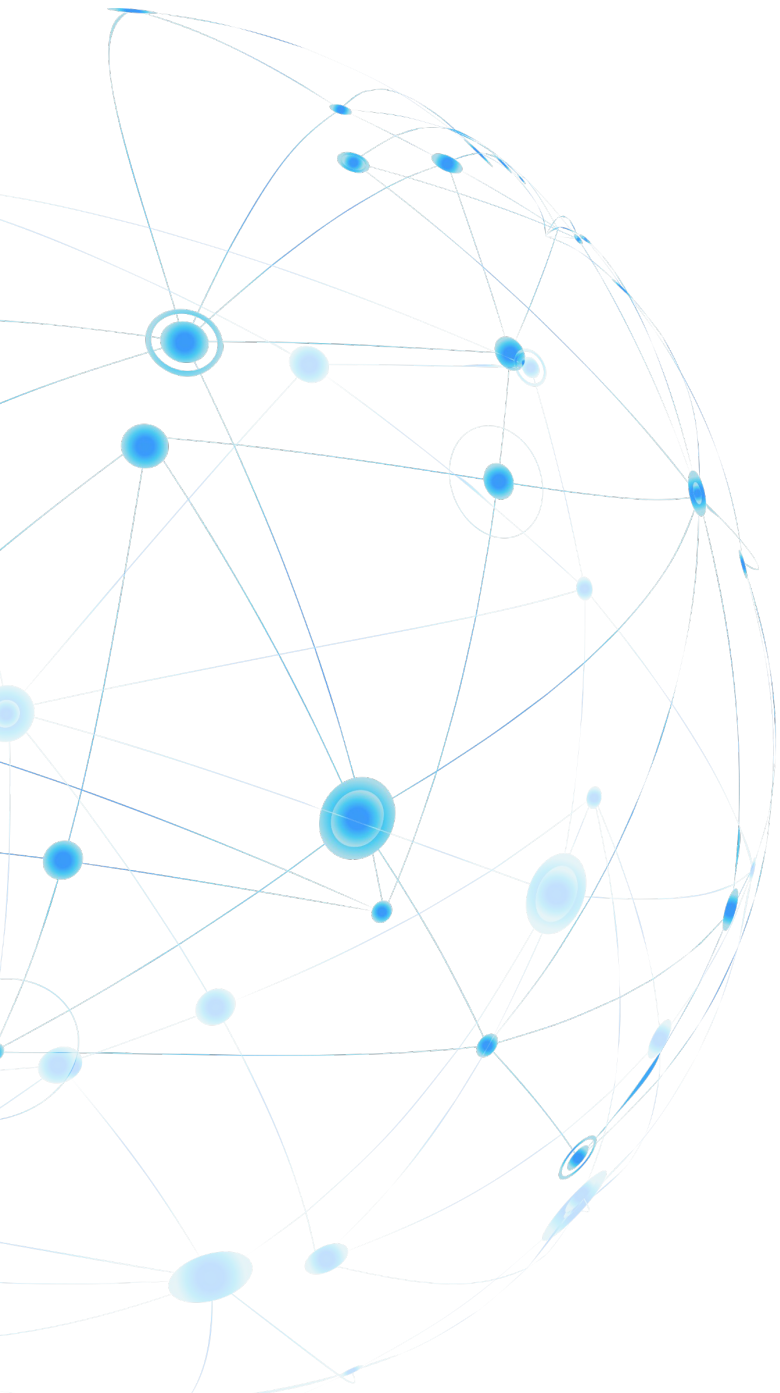
The Euro-IX Large BGP Community standard list





Large BGP community standard list

- An effort to get in early so IXPs can already start using them.
- Helps the community understand what information is being conveyed
- Two ranges defined:
 - Action communities - 0-999
 - Information communities - 1000 - 1999
- Includes reserved space for future additions
- List available - <https://www.euro-ix.net/en/forixps/large-bgp-communities/>



IXPDB an IX-F Project



Introduction to the Internet eXchange Federation

IX-F is a transnational organisation for coordinating the efforts of Internet eXchange Points Associations (IXPAs).

Membership includes:

- AFIX – African Internet eXchange Point Association
- APIX – Asia Internet eXchange Point Association
- Euro-IX – European Internet eXchange Point Association
- LAC-IX – Latin America & Caribbean Internet eXchange Point Association

Collectively these IXPAs represent over 245 IXPs across 6 continents



IXP Database - what is it?

The IXPDB is the authoritative, complete, public source of data related to IXPs.

- The IXPDB collects data directly from IXPs
- Single place for verified data with varying levels of exposure
- The IX-F brings together the 4 IXPA's of which they have blessing of their members, the IXPs to carry out this work
- Gives IXPs one single place to publish their APIs private or public
- The data can be viewed, analysed, and exported via a powerful web-based interface and software API.

Project sponsors: Euro-IX, APNIC, CZ.NIC



IXPDB - How does it work?

- The IX-F JSON Schema export is an agreed and standardized JSON schema which allows IXPs to make their member lists and other data available.
- The key value of the IX-F Export is that it makes the individual IXP the canonical trusted source for data about their own IXP.
- IXPs publish this data publicly and some privately

<https://github.com/euro-ix/json-schemas>



IXPDB - Why is it different?

- It's a project under the IX-F – who brings together the 4 IXPAs
- Imports IX-F JSON from public, private and via IXP Manager data sources
- It will publishes one standard API
- No manual input – fully automated data from the source!
- IXPAs holding workshops to support IXPs automate their operations, Automation workshops during APRICOT, Euro-IX 32, LAC-IX and AFIX.

Current import at 110 IXPS!!!



IX-F - IXPDB

- Website: <http://ixpdb.net> (work in progress)
- Mailing list for users:
<https://lists.euro-ix.net/mailman/listinfo/ixpdb>
- API is available - <https://api.ixpdb.net>
- If you think this is good work, like we do, fund us ☐

secretariat@ix-f.net



Euro-IX Video



Short video about IXPs, available now in English, Italian, German, French, Spanish, Portuguese, Arabic, Mandarin, Russian, Romanian and Greek subtitles.



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