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
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 Forum Programme Committee (FPC)

Marc Bruyere
ToulIX

Christoph Dietzel
DE-CIX/ UAE-IX

Jo Fereday
LINX

Greg Hankins
Nokia

Mikael Holmberg
Extreme Networks

Rob Lister
LONAP

Aleksi 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
Q11 What kind of organisation manages your IX?

- Membership-based IX (i.e. not-for-profit)
- Other types of not-for-profit
- IXPs hosted in academic
- IXPs operated by commercial
- A commercially owned IX
- Joint ventures of some...
- Other (please specify)

Answered: 28  Skipped: 10
Q17 What extended services do you offer? (Leave blank if not applicable)

- Remote peering
- Private VLAN
- Transport between two...
- Multicast
- Co-location
- Professional services
- Dedicated circuits
- Remote Hands
- Elastic (cloud connect)
- Other (please specify)

Answered: 26  Skipped: 12
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
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:

• AFIIX – 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 IXPAs 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
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 AFIIX.

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.