Euro-IX Update

LAC Peering Forum 2018
30 April 2018
Association of IXPs

82 affiliated members

- 56 IXPs in the Euro-IX region, 49 countries, operating over 100 peering LANs

- 26 IXPs from the rest of the world

- Newest members:
  - 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 Board

Andy Davidson
IXLeeds/ Asteroid

Ondrej Filip
NIX.CZ

Kurtis Lindqvist
LINX

Harald Michl
VIX

Serge Radovic
RIPE NCC

Mauro Magrassi
MIX.IT

Kjetil Olsen
NIX
Euro-IX Activities

• Two forums a year
• Publish a number of reports
• Collect monthly traffic statistics
• Fellowship and Mentor-IX programs
• Newsletter – Subscribe here: https://www.euro-ix.net/en/communications/newsletters/

• Working Groups
• Social Media
  • Twitter @euroix
  • Facebook fb.me/maineuroix
  • YouTube youtube.com/channel/UCFyucVRAAMzxyJIsxnGwsjw
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
15/ What extended services do you offer?
28 responses with many offering more than one service:

- Private vlan: 21
- Remote peering: 18
- Transport between IX locations: 15
- Co-location: 14
- Multicast: 9
- Remote Hands: 9
- Professional services: 7
- Dedicated circuits: 4
- Other: 8
37/ Do you currently use Route Servers?
30 responses, Yes (24), No (6)

41/ If you use Route Servers, which one do you use?
30 responses, with 3 listing more than one daemon
52/ By what method do you receive the most service requests?
Multiple responses, Email 29, Telephone 13, Website 3, Others 5 (IRC 2, Facebook, Twitter, Skype)

- Email: 29
- Telephone: 13
- Website Portal: 5
- Other: 3

53/ By what method do you receive the most incident reports?
Multiple responses, Email 27, Telephone 11, Website 2, Others 5 (Twitter 2, Signal, Skype, IRC)

- Email: 27
- Telephone: 11
- Website Portal: 5
- Other: 2
56/ Do you have any of the following types of members/customers at your exchange?
281 responses, multiple answers per IXP

- Content providers: 28
- Academic Networks: 27
- Access Providers: 27
- Dedicated hosting providers: 27
- Mobile Operators: 27
- CDNs: 23
- Governmental: 23
- Dedicated VoIP providers: 16
- Enterprises: 16
- Gaming companies: 16
- Search engines: 16
- eCommerce companies: 11
- Other IXPs: 10
- 'Adult' hosting company: 6
- Gambling companies: 5
- Other: 3
The Euro-IX RS Large BGP Community standard list
Route Server Large BGP community standard list

• In 2017 RFC 8092 and 8195 was published – Large BGP Communities

• A number of IXPs got together and agreed a definition and standard list of BGP Large Communities to use on Route Servers

• 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/
Spamhaus
Issues with Spamhaus

• Issues with Spamhaus blocking IXP
  • Spamhaus asked some Euro-IX members to disconnect some networks they believed to be spammers or have customers who engage in spam.
  • We acknowledge the damage that Spam and related abuse does
  • Spamhaus has black-listed IXP mail servers, which causes communication issues between IXP operators and it’s participants
  • Engaged with Spamhaus and looking at next steps how we can work together to stop them doing this.
Euro-IX Video

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