

euro-IX



# RIPE 87 – Euro-IX Update

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EURO-IX MEMBERS



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# Membership Association of IXPs



## Events

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- Two Membership events per year hosted by our Members
- Workshops & hackathons
- Online/ virtual workshops



## Services

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- Reports
- Newsletters
- Mailing list
- IXP Benchmarking
- Working groups



## Tools & Community Projects

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- Internet eXchange Point Database - IXPDB
- Peering Toolbox
- Fellowship & Mentor-IX
- Working Groups
- A new IXP Film



## DE-CIX Update

- > Launch DE-CIX Nordics with locations in Copenhagen, Esbjerg, Helsinki, Kristiansand, Oslo, Stockholm (2024)
- > Launch DE-CIX Mexico with locations in Querétaro, Mexico City  
New traffic peaks a DE-CIX DFW, NYC, LIC and FRA.
- > Opening of DE-CIX Cloud Exchanges in key cloud hub locations offering cloud connectivity solutions that enable seamless, on-demand, direct access to cloud service providers. (Seattle RFS 12 Oct 2023; Amsterdam RFS 8 Nov 2023 (planned); Tokio/Osaka RFS 20 Dez 2023 (planned) )

# DE-CIX Update

- > Traffic peaks in Dallas (880 Gbit/s), NYC (1,61 Tbit/s), Lisbon (78.3 Gbit/s), Madrid (1,29 Tbit/s), Marseille (350 Gbit/s), Munich (197 Gbit/s), FRA (16,62 Tbits), Dubai (598 Gbit/s)





# BCIX

## BCIX Update

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- > Finished our VXLAN/EVPN migration and enabled (ARP/)ND proxy
- > Turned up our first 400G customer ports
- > Refreshed our brand and logo to express simplicity, diversity and modernity



# InterLAN Update

- > 38th Euro-IX Forum hosted in Cluj-Napoca, Romania, 23-25 April 2023
- > Daily peak traffic over 500 Gbps  
100 Gbps ports available in Bucharest and Frankfurt
- > Work in progress to implement Nokia routers in core and convert to EVPN
- > Adding support for 400Gbps ports





# AMS-IX Update

- AMS-IX had one of its biggest outages in history on 22/23 Nov
- Problem was well understood and mitigated. Following up with vendors for permanent fixes
- Will be a short lighting talk tomorrow at the plenary about this topic.

# Peering Toolbox

Community Focused Learning Tool



peering  
:toolbox

[peeringtoolbox.euro-ix.net](http://peeringtoolbox.euro-ix.net)

# Peering Toolbox

- Website focused on learning:
  - Short sections with clear explanations of each topic
  - Easy for new entrants to discover what they need to make the best decisions for their network
  - Easy for organisations already peering to learn about current best practices, keep up to date with technology, and help with troubleshooting connectivity and reachability issues
  - Advice from experienced peers sharing tips and tricks
  - Use of the IXPDB and the PeeringDB

# **RFC8950**

# **Working Group**

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# RFC8950 Working Group

- RFC8950 = IPv4 BGP route with IPv6 next-hop
- Formerly known as RFC5549 (many implementors refer to this)
- Allows for IPv6-only peering LANs
- Working group
  - led by Aleksi and André
  - founded at 38th forum
  - monthly Zoom meetings (3 so far)
  - Mailing list + Mattermost + GitHub

# RFC8950 Working Group

- Setup a ContainerLabs environment for testing
- Aim to test different vendors' BGP implementations and interoperability
- Tested so far:
  - Arista EOS
  - Juniper JunOS
  - Bird 2.x as Route server
  - (ARouteServer)

# RFC8950 Working Group

- Forwarding requires special configuration
- No IXP peering LAN IP visible in traceroute
- Can RFC8950 peers and traditional peers be safely mixed on the same route server?
- If you're interested to learn more about this work get in touch!

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Thank You!

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