



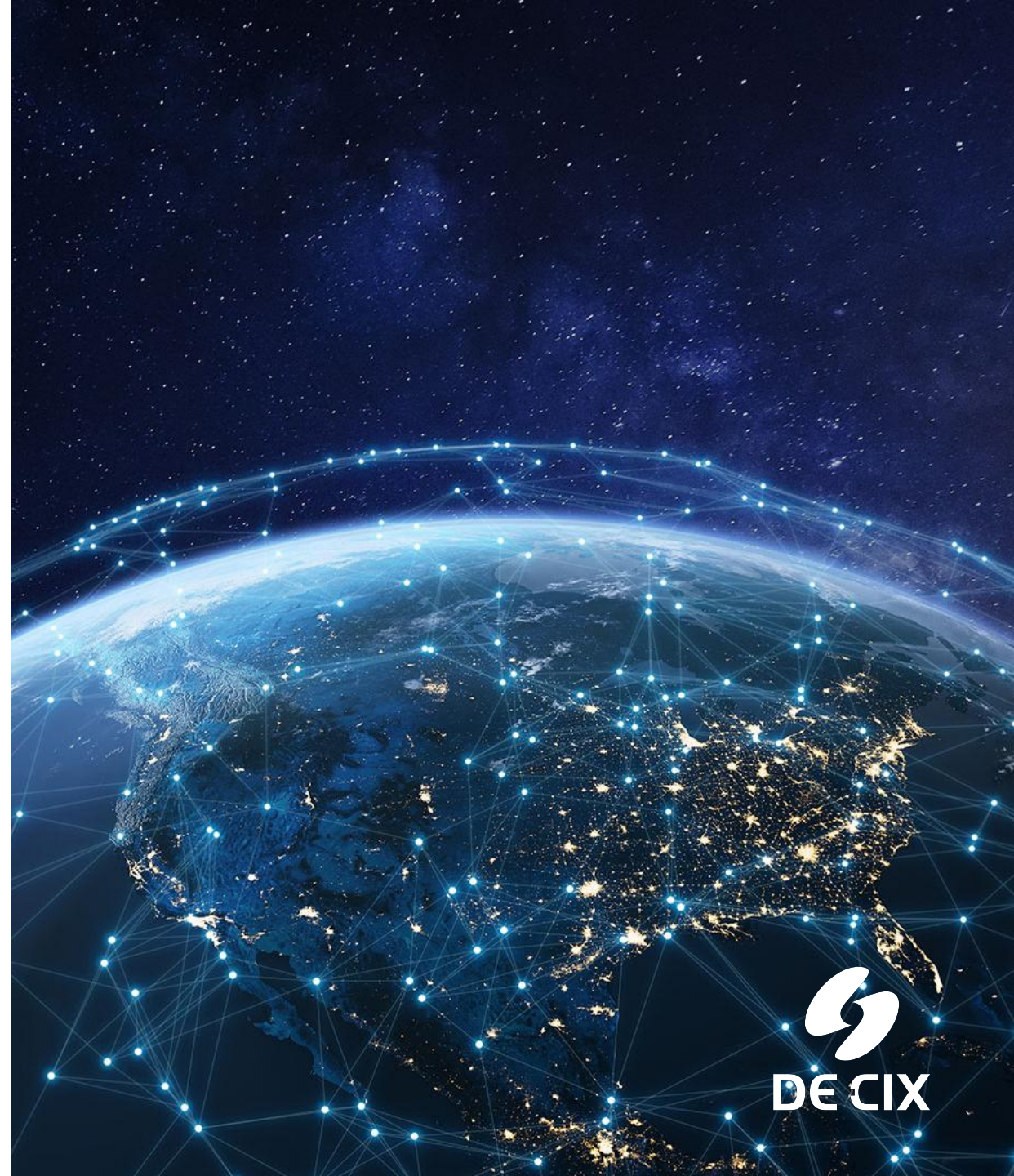
We make interconnection easy. Anywhere.

Global IXP Tech Discussions



Agenda

1. Recap on IXPA
2. Why do we need a Global Effort?
3. Route Servers
4. RFC 8950
5. IXP LAN Hygiene
6. How can we contribute?



Recap on IXPA

Four established IXPA which are organized in IX-F and one informal IXPA

- Along the borders of their RIR

APIX

- For the APNIC region
- Not yet incorporated, 48 members, one member discussion list, very quiet

AFIX/Af-IX

- For the AfriNIC region
- Incorporated as a registered Community Benefit Company (CBC) in Rwanda, no formal members, one discussion list, very quiet



Recap on IXPA

Euro-IX

- For the RIPE NCC region
- Incorporated as an Association in the Netherlands, 35 standard members, several lists, esp. a technical discussion list

LAC-IX

- For the LACNIC region
- Incorporated as an Association in Uruguay, 37 standard members, a member list and a technical discussion list, both busy

NA-IX

- For the ARIN region
- Informal group, busy slack channel #na-ix, meet every now and then at NANOGs



Why do we need a Global Effort?

Technically, it doesn't matter where an IXP is

- The customers gets an Ethernet Port and uses an RS
- Ideally, connection requirements should be the same globally
 - Customer-friendly
 - Quasi-Standards

Obstacles

- Different time zones
- Language barriers
- Cultural barriers
- The Global Tech-List doesn't work

Together, there is broader knowledgebase

- Use chat instead, combined with repositories?



Which Activity exists?

Several Chat Channels on a Mattermost Server

- [Register](#) for Mattermost, then click on “+” to browse the Channels
- [Sign up](#) to Github for accessing the repositories

Existing Chat Channels

- Route Servers
- RFC 8950
- IXP LAN Hygiene



Route Servers

Address technical aspects concerning Operations, Automation, Tooling, Monitoring, Policies, Innovation, Standardization of Route Servers

Official Euro-IX WG

- Chairs: [Irene Lalioti](#), [Stavros Konstantaras](#)
- Regular f2f meetings

Mattermost Channel

- Very active, 38 members
- Various contributors

Github Repository



RFC 8950

Use IPv6 only to carry both IPv4 and IPv6 routes

- Latest RFC is [RFC 8950](#)
- Some IXP already are using RFC 8950 at their IXP
 - TREX, BCIX, NIX.CZ

Mattermost Channel

- Very active, 44 members
- Main contributors
 - [Aleksi Suhonen](#)
 - [André Grüneberg](#)

Github Repository



IXP LAN Hygiene

Address technical aspects concerning Security, Operations, and Monitoring

- Motivated by recent research on IXP LAN reachability
- Create BCOP

Mattermost Channel

- ATM Private Channel by invitation only. Contact
 - [Aleksi Suhonen](#)
 - [Arnold Nipper](#)
- 32 members

Github Repository

- tbd



How can we contribute?

Your ideas?

Discuss!

Next steps?



Contact



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