Twinning
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Twinning is Winning

- Netnod, twins with 3 IXPs – KINIX, KIXP and MOZ-IX
- DE-CIX, twins with 2 IXPs – NPIX and TIX
- LINX, twins with 1 IXP - ZIXP
- INEX with support from ISOC recently helped build The Gambia IXP -> twining, first stages of help:
  - Obtain IP addresses and ASN
  - IXP and BGP training
- France-IX and LyonIX working with ISOC on AXIS project, provide training in Francophone countries
Why change what we have?

- We want to see growth and progress for the twins
- We need defined goals so the twin IXP can become self-sustaining
- We want the twins to feel part of the IXP Community
- We want to encourage staff exchanges, trainings, attendance at Euro-IX forums
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- IXPs can help facilitate and increase peering
- Increased interconnects will benefit the internet ecosystem (especially in regions where there is not much peering)
- We want IXPs to succeed
- Startups and growing IXPs can learn from successful IXPs willing to share experiences
- Work with partners
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2 stages identified

- Stage 1: Normalisation
- Stage 2: Advance
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**Stage 1.** Helping newly established Internet Exchanges Points with the following:

- Tools
- Framework for management and business development
- Assistance adhering to IX-F BCPs for IXP operations
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Stage 1 - Measurable:

- Working website, with contact details, members list and traffic stats if appropriate
- Verified contacts
- Support available in local languages for IXP participants
- Attendance to one Euro-IX forum a year
- Presentation of their success and or challenges
- Have a working set of management tools
- Updated IXPDB entry
- Bi-annual update to Euro-IX on twinning program
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**Stage 2.** This IXP may be going into the next phase of development or may have run into some unexpected problems, the supporter is expected to support the following:

- Design and engineering help
- Marketing assistance
- Implementing additional services
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Stage 2 – Measurable:

• Independently host an IXP participant meeting
• Evaluate need for additional services e.g. reseller program, host a root server, offer MLP
• Be self sustaining
• Self fund attendance at IXPA meeting
• Be in a position to support future emerging exchanges
• Bi-annual update to Euro-IX on twinning program
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Criteria for supporter:
- Must be an established self sustaining IXP
- Keen to support the development and growth of IXPs

Criteria for Twin:
- Have a named representative to liaise with the support IXP
- Be active in the IXP community, i.e. active in their local IXPA fora
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Why:

• We want any Euro-IX member to be able to become a supporter
• Staff exchange twin <-> supporter
• Attend one Euro-IX forum a year while in Twinning program
• Reports/updates from IXPs benefitting from program and updates from supporter on progress
• Growth and stability of twin IXP
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**Benefits:**

- Expose engineering to problems they may not find in their own environment
- Marketing and commercial kudos
- Use of standard documentation and training material
- Encourage IXPs to follow IX-F BCPs
- Make the internet faster and reliable in twins market
- Feel good factor, helping out because you can!
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We want to fund the program via donations, to cover:

• Travel expenses for staff exchange and training
• IXPA forum attendance
• Logistics i.e. shipment of hardware

If you’re interested in donating to the program or what to get involved, contact us – secretariat@euro-ix.net
The Internet Revealed – IXP Movie

Now available in English, French, Turkish, Spanish, Romanian, Portuguese, Arabic and German, check out our YouTube channel: https://www.youtube.com/channel/UCFyucVRAAMzxyJlsxnGwsjw

=> more languages to come, if your interested in translating the video, contact us!
Thank you!

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