Tech Solution
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NIX·CZ

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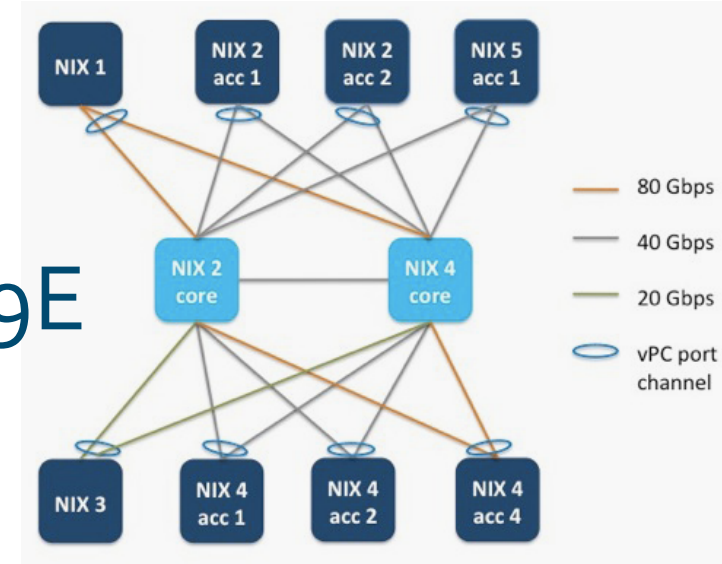
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NIX·CZ

NIX.CZ today

- Neutral platform
- 5 data centers in Prague
- 124 networks
- 42 international
- Daily peak passed 360 Gbps
- Own first duct line between PoP
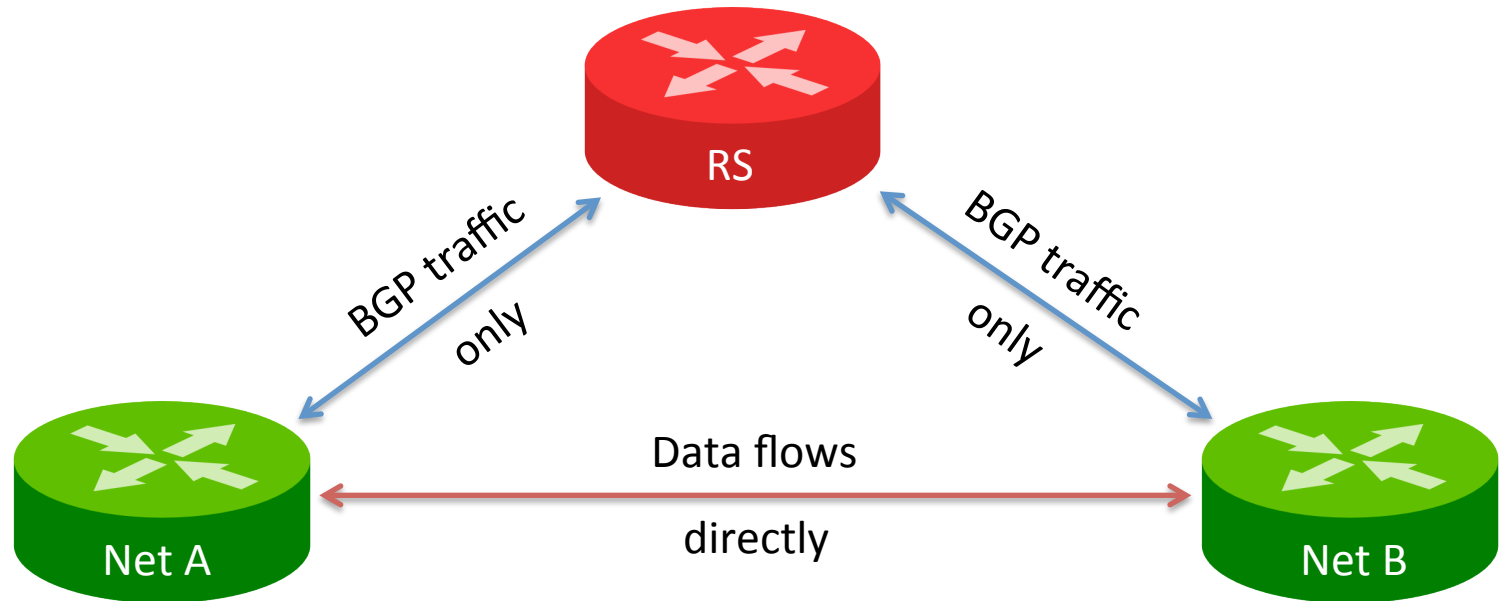
Entertainment Slide

Foundation of NIX.CZ

- Dual-star topology
- 4x Cisco Nexus 7010
- 6x Cisco Catalyst 6509E
- Fully redundant
- Access to dark fibers
- Route servers

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Route servers

- Only BGP traffic through RS

- Data flows directly

- Optional filtering based on BGP communities

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Route servers

Route servers

- Optional filtering based on BGP communities:
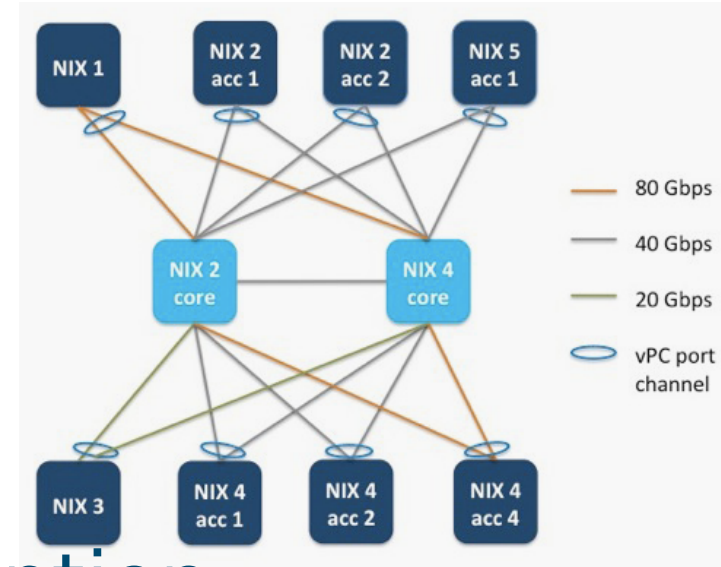
  mark for do not advertise pfx to specific ASN

  ## VS

  mark for advertise only pfx to specific ASN

- RTBH community in FENIX project

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Newer access boxes

- "Old" Nexus 7010

- "New" Nexus 7710

- Up to 12x100GE /LC

- Lower power consumption

- Open future to DFA or VPLS

Project FENIX
technical requirements

- BCP-38 – preventing IP spoofing
- Full redundant connection NIX.CZ
- IPv6
- DNSsec
- Be ready for RTBH
- etc

Time for coffee break

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