



RIPE-46

EIX-wg

N-IX



N-IX = Nürnberg Internet eXchange

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Agenda

- Facts
- Costs
- Future Plans
- Summary



Facts

- 8 connected networks
- Currently migrating from City-Carrier platform to a neutral facility
- Commercial non-competitive operations helps success
- Currently 2 Cisco Catalyst 4000s in operation, a third on standby for hardware replacements and tests
- **Only** GE-Ports offered
- Private VLANs highly recommended for parties that have „special“ peering agreements (such as mutual backup or SLAs)
- KPN Eurorings offers a new product for our local ISP fauna



Costs

- one time setup-fee: 100 Euros
- monthly port-fee: 100 Euros (1GE-Port)
- Only GBICs – can be purchased by the operator
 - 1000BaseSX : included
 - 1000BaseLX/LH: 100 Euros per piece
 - 1000BaseZX: 1000 Euros per piece
 - 1000BaseTX: 100 Euros per piece
- Participant must organize its own connection (Fibre)
 - 8 different carriers in house, with a 4+ diverse entries



Future Plans

- second location has been selected
- will be connected via 2 diverse city carriers
- Currently 18 GE-ports manageable
 - later, when 15+ members are connected, a new switch-platform might become necessary
- more services, SLAs, options
 - we listen to the demand and maintain our neutrality
 - minimal costs for smaller network operators
 - maximum performance – no 10 or 100Mb Ports!
 - 10 GE will not be necessary in the near future = keep it cost effective (etherchannel works fine up to 4-8G)



Summary

- a medium sized regional exchange
- no membership necessary
- extremely low costs
- maximum performance
- still looking for major networks to boost location
 - friendly coop with n-ix.cz to avoid name clash :-)