Internet Exchange Route Server

draft-jasinska-ix-bgp-route-server-01

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Internet Exchange Interconnection

- IXP – Shared Ethernet platform
- Dense interconnection between participants (by the means of BGP)
- \( n^*(n-1)/2 \) BGP sessions, where \( n \) is the number of routers at the exchange
Internet Exchange Route Server

- Multilateral interconnection with intermediate broker system – route server
- n BGP sessions, where n is the number of routers at the exchange
- Transparent BGP node
- Immediate dense interconnection
Motivation

- Three open source route server implementations
- No reference or documentation
- -00 presented in GROW at IETF78 in Maastricht
Proposed Document

- Technical considerations
  - Attribute transparency
  - Per-client filtering
- Operational considerations
  - Scaling
  - NLRI Leakage
  - Redundancy
  - AS_PATH consistency
  - Implementing routing policy
Next Steps

- Feedback and comments are welcome!
- Looking for WG adoption in GROW