Internet Exchange Route Server

draft-jasinska-ix-bgp-route-server-00

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Internet Exchange Interconnection

- IXP – Shared Ethernet platform
- Dense interconnection between participants (by the means of BGP)
- \( n \times (n-1)/2 \) 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
- Immediate dense interconnection
Motivation

- Three open source route server implementations
- No reference or documentation
Proposed Document

- Summarizes implemented concepts
  - Attribute transparency
  - Filtering concepts
  - Prefix hiding problem and mitigation techniques
- Operational considerations
Next Steps

● Feedback and comments are welcome!
● WG adoption?