

SDN-based Peering

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GEC 16
March 20, 2013

What is SDN-based Peering?

Leveraging SDN to open the doors to new network peering implementations

- Go beyond current capabilities of BGP
- Allow policy specification and control to span operational network domains
 - application-specific policy
 - richer feedback
 - enhanced control
 - faster tuning
 - novel business models

Not looking for a BGP drop in replacement

Focus on targeted use cases

- Application specific peering
- Linking Intra-nets
- Content Delivery
- Bridging hosted cloud with internal cloud services

Created SDX Peering Testbed

SNAP - Southeast Network Access Point

- Hosted by CoLoAtl in Atlanta
- Multi-vendor OpenFlow hardware
- Peering with SoX today
- Will host InstaGENI rack this summer
- Talking to commercial peering partners
- Interested in people with a real problem to solve