

Launch of Vegas-IX Local Internet Exchange

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My Background

- Telecom since the 80's
- Peering since the 90's
- Peering Fabric Operator
- Founder Ninja-IX (non profit)
- IXPs Managed
 - -Phoenix-IX

•18g burst traffic over 5 sites

-Aloha-IX, Vegas-IX, Richmond-IX

What is Peering?

- The exchange of traffic
 - Between two networks

•of their own "routes"
•and usually their customers

- Typically at no charge between the parties exchanging traffic
- Can be IPv4, IPv6, multicast, storage, voice
- reduces latency

What is Peering?

 Bilateral - Between 2 Parties

 Based upon an agreement between the parties.

 Multilateral - via Route Servers

 Underlying agreement with Exchange Operator

Vegas IX

Based at EdgeConneX

- 1g/10g/100g ports
- Single Ethernet Switch for now
- Working to add locations
- One time NRC
- No monthly cost
- Monitored by Ninja-IX NOC
- User portal

Vegas IX

- Supports

- Multicast VLANS
- Private VLANS
 - Between 2 or more participants
 - or like 3g GRX or 4g Diameter and Bearer
- Jumbo Frames
 - typically 9000 MTU
- Storage Area Networks
 - iSCSI
- Network Time Protocol

Features

– Has a Route Server

- Multilateral peerings
- Redundant
- Critical Infrastructure
 - Root Servers
 - AS112
- User Portal / Statistics
- Looking Glass
- RIR address space used

Management

Formal

managed by a Non Profit
Not Datacenters
Nor Operators
Simple participation agreement

Questions

- Please ask
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Peering Resources

- Datacenter Operators
- PeeringDB
- PCH IX Listing
- OPEN-IX
 - -Certification for Peering Fabric OIX-1 -Certification for Data Centers OIX-2
 - NANOG
 - Peering Forums