Open IX

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What is it?

• Standardization of Interconnect expense
• Community derived effort
• Open to **any one, any IX or any DC** operator
• NOT a contract vehicle
• Focused on North America
What we have done so far..

• Built a group to do the work
• Developed criteria for DC and IXP participation
• Built a community governance model
• Have support from the community
• Created a competitive model for interconnect
OIX Group

- Jon Aufderheide
- Eric Bell
- Dan Golding
- Martin Hannigan
- Tony Rossabi
- Dave Temkin
- Barry Tishgart
Community Support

• Wide variance of group members
• Survey responses
• Public and positive comments at 2 x NANOG
• Intend to elect members of OIX to solidify
Please indicate the need for OpenIX Public Peering in the following Metro areas:

NoVa: 24 (Yes), 9 (Maybe), 6 (No), 12 (Total)

New York / NJ: 28 (Yes), 5 (Maybe), 7 (No), 8 (Total)

Silicon Valley: 23 (Yes), 10 (Maybe), 4 (No), 11 (Total)

Chicago: 24 (Yes), 10 (Maybe), 4 (No), 9 (Total)

Los Angeles: 23 (Yes), 12 (Maybe), 5 (No), 9 (Total)

Miami: 16 (Yes), 11 (Maybe), 7 (No), 13 (Total)

Dallas: 15 (Yes), 13 (Maybe), 5 (No), 14 (Total)

Atlanta: 13 (Yes), 11 (Maybe), 6 (No), 18 (Total)

Seattle: 7 (Yes), 10 (Maybe), 17 (No), 19 (Total)

Toronto: 4 (Yes), 9 (Maybe), 14 (No), 18 (Total)

Denver: 10 (Yes), 11 (Maybe), 5 (No), 20 (Total)

Boston: 10 (Yes), 14 (Maybe), 9 (No), 15 (Total)

Phoenix: 7 (Yes), 10 (Maybe), 9 (No), 20 (Total)
Criteria for IX’s

• We did a survey and we agree
  – Preferred markets for support
  – Minimum service offering
  – Established an IXP governance threshold
  – Endorsement in exchange for agreement to operate in an Open IX endorsed facility
What services should OpenIX provide?

Answered: 54  Skipped: 0

- Standard Internet Exchange: Yes
- Virtual Circuits (VLAN,...): No
- Wavelengths: No Opinion

Legend:
- Yellow: Yes
- teal: No
- Orange: No Opinion
IXP Governance

• Avoid creating monsters
  – Codified engagement requirements
  – Stakeholder accountability
  – Collaboration
  – Organized in the United States as an IRS recognized non profit
How should OpenIX be structured?

Answered: 53    Skipped: 1

- Non-profit (AMS-IX, DEC-IX, LI...)
- For Profit, but Colo & Network...
- Run by Colo company (EQIX, Tel...)
- Run by network company...
- Don't care, just make it work
Criteria for Datacenters

• We didn’t do a survey, but we know
  – Provide adequate rack space for an OIX
  – Provide adequate redundant power for an OIX
  – Low/no cost interconnect in the metro footprint
  – Endorsed in exchange for providing benefits to Open IX endorsed IXP’s and their members
How it works for an IXP

- IXP meets the minimum criteria
- Submits proposal for endorsement for N market(s)
- OIX Group reviews, feedback loop
- Posts “somewhere” for public comment
- Approves if criteria met or app not withdrawn
How it works for a DC operator

- DC meets the minimum criteria
- Submits proposal for endorsement for N market(s)
- OIX Group reviews, feedback loop
- Posts “somewhere” for public comment
- Approves if criteria met or app not withdrawn
Final bits

• What’s left?
  – Finish draft document
  – Provide a comments period
  – Implement
    • We already have IXP’s willing to be endorsed
    • We already have datacenter operators willing to be endorsed

• Comments?
• board@openix.org