Peering in Seattle

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NANOG 40 Peering BoF

Why Peer in Seattle?

- Only large peering fabric in North East

- Good connectivity to Canada

- Many fiber routes go through Seattle

Where to peer in Seattle?

- There is only one building in Seattle for peering

- Westin Buildling
  - 2001 Sixth Avenue, Seattle WA 98121
  - STTLWA
  - STTLWAWB
  - 206-443

- Data came from PeeringDB.com
  - Everyone has an account, right? :-)

Where to peer in Seattle?

- There is one peering LAN
  - Seattle IX (SIX)
  - PAIX Seattle

- They are connected via a 2 Gbps pipe
  - Being upgraded to 10GE (?)

- If you connect to SIX and want to peer with PAIX participants, you must pay PAIX a one-time fee to add your MAC to a filter list

Lessons learned, Gotchas, etc.

- Do not buy colo in PAIX / Switch & Data and ask for a cross connect to the Seattle IX
  - PAIX (understandably) wants you to use their switch fabric

- Be careful about SIX <-> PAIX interconnect
  - Only 2 (10?) Gbps

- Floor Loading
  - Cannot fill a rack with servers in some suites

SIX / PAIX, compare / contrast

SIX:

- Free
- Only recently upgraded to 10GE
  - Not infinitely scalable
  - May be asked to donate equipment for future ports
- No SLA
- No Hands & Eyes
- Required to supply own GBIC
- Must acquire colo separately

SIX / PAIX, compare / contrast

PAIX:

- Not free
- Infinitely scalable
- Strong SLA
- Hands & Eyes
- Not required to supply anything
- Can buy colo & port from same company

What is unique about peering in SEA?

- Only one building
  - Westin

- Only one peering fabric
  - PAIX / SIX

- Peering fabric is not homogeneous
  - Two IXes interconnected

Questions?