PACIFIC WAVE

GLIF America's Meeting; September 19, 2018

NorduNet2018

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Recent Accomplishments

- Added two additional 100G circuits (Los Angeles to Sunnyvale)
  - 200G (2x100G LAG) for production traffic
  - 100G fully allocated to GLIF/AutoGOLE (NSI) scheduling
- Data Transfer Nodes (DTNs) deployed
  - 100G in Los Angeles, Sunnyvale and Seattle
- perfSONAR nodes deployed
  - 100G and 10G in Los Angeles, Sunnyvale and Seattle
- Member of Asia-Pacific Ring (APR) Collaboration
- Tokyo node moving from TY2 Shingawa to KDDI Otemachi
- AutoGOLE/NSI at Los Angeles, Sunnyvale, Seattle, Tokyo (NTT site)

Future/Ongoing Activities

- Adding Pacific Wave AS number for Pacific Wave resources
  - DTNs, perfSONAR, etc.
- Changing multi-site backhaul regional services
  - From switching to layer 1 backhaul (e.g. from Ethernet Switches to Wave Servers)
  - 600 W 7th St and One Wilshire (624 Grand)
- Collaboration/cooperation/compatibility between IRNC funded experimental activities among AmLight, Pacific Wave and StarLight
- NetSage collaboration
  - Contributing all flow data for internal links between PW POPs
  - Contributing flow data for connected network as allowed

Supplemental Grant

- Enabling International Scientific Partnerships Across the South Central Region of the US
- Connecting LEARN (Texas), OneNet (Oklahoma) and GPN (Great Plains Network) to Pacific Wave/WRN (and PRP)
- 100G circuits deployed on Internet2
  - Chicago – Kansas City – Tulsa – Dallas
  - San Antonio – El Paso
- 100G circuits deployed on LEARN
  - Dallas – Houston – San Antonio
- Most circuits up, end points expected operational this week