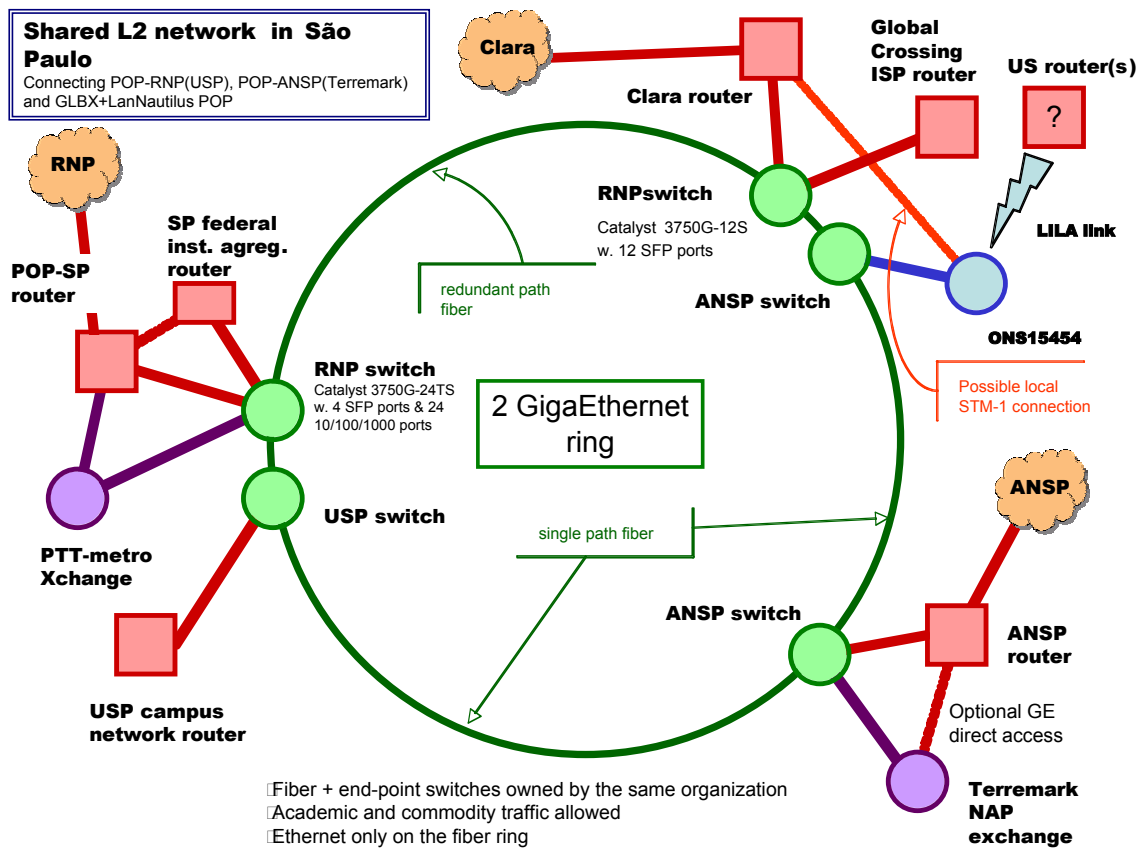


Summary:

1. Establish 2.5Gb/s Miami-Sp link
 2. Peer with RNP at LILA East
 3. Super Computing Demonstration
 4. ONS Released from Customs in Sao Paulo
 5. Outreach and Participation
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1. In cooperation with Latin American Nautilus, on November 1st the connectivity from Miami to Sao Paulo was upgraded to 2.5 Gb/s. This requires port changes, which ANSP paid the \$12,000 charge. While originally provisioned at STM-16, the ANSP equipment was unable to be canalized, and thus the connection had to be dropped to STM-4. ANSP paid the port change fee for that as well.
 2. With coordination from LAN in Argentina at IMPSAT's headquarters, the cross connection between the DANTE rack and the WHREN space in Cotia was successfully made. The fiber was lit and provisioned with 1 Gb/s service, matching the RNP back-bone. This connectivity allowed Sergio Novaes (in Rio) to participate in the bandwidth challenge at SuperComputing. RNP has had problems addressing routing issues with this link, its Clara links to Tijuana and Argentina, and its Clara link to Europe. All of which have routing paths to destinations in the U.S. They are working on resolving the asymmetrical routing problems.
 3. The WHREN/LILA project participated in the Ultralight SC demonstration. Two high energy physics groups, one in Sao Paulo and one in Rio utilized the link bursting to 2.5Gb/s. This was an extraordinary accomplishment within Brazil, joining together two previously disparate groups. It evolved round-the-clock work from engineers at ANSP, FIU, and RNP to make the demo a success.
 4. The ONS was released from Customs on November 28th. The machine is DC powered. As such, ANSP engineers are locating a converter to configure final details of the machine. Rack space is being made at Cotia and the ONS will be operational in the open exchange before the end of the year, allowing all networks who would like to peer an attractive new option. RNP proposed the following configuration that is being adopted:



5. Outreach

WHREN Staff participated in the TIDIA meeting in Sao Paulo and at Supercomputing in Seattle.