



IRNC: RXP: AtlanticWave-SDX

GLIF Americas Working Group
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- PI: Julio Ibarra
- Co-PIs:
 - Heidi Morgan
 - Russ Clark
- Sr. Personnel:
 - Jeronimo Bezerra
 - Cas D'Angelo
 - Sean Donovan



AtlanticWave-SDX

- AtlanticWave-SDX is a response to the growing demand to support end-to-end services spanning multiple SDN domains.
- FIU and GeorgiaTech are building the AtlanticWave-SDX: a distributed experimental SDX, supporting research, experimental deployments, prototyping and interoperability testing, on national and international scales.

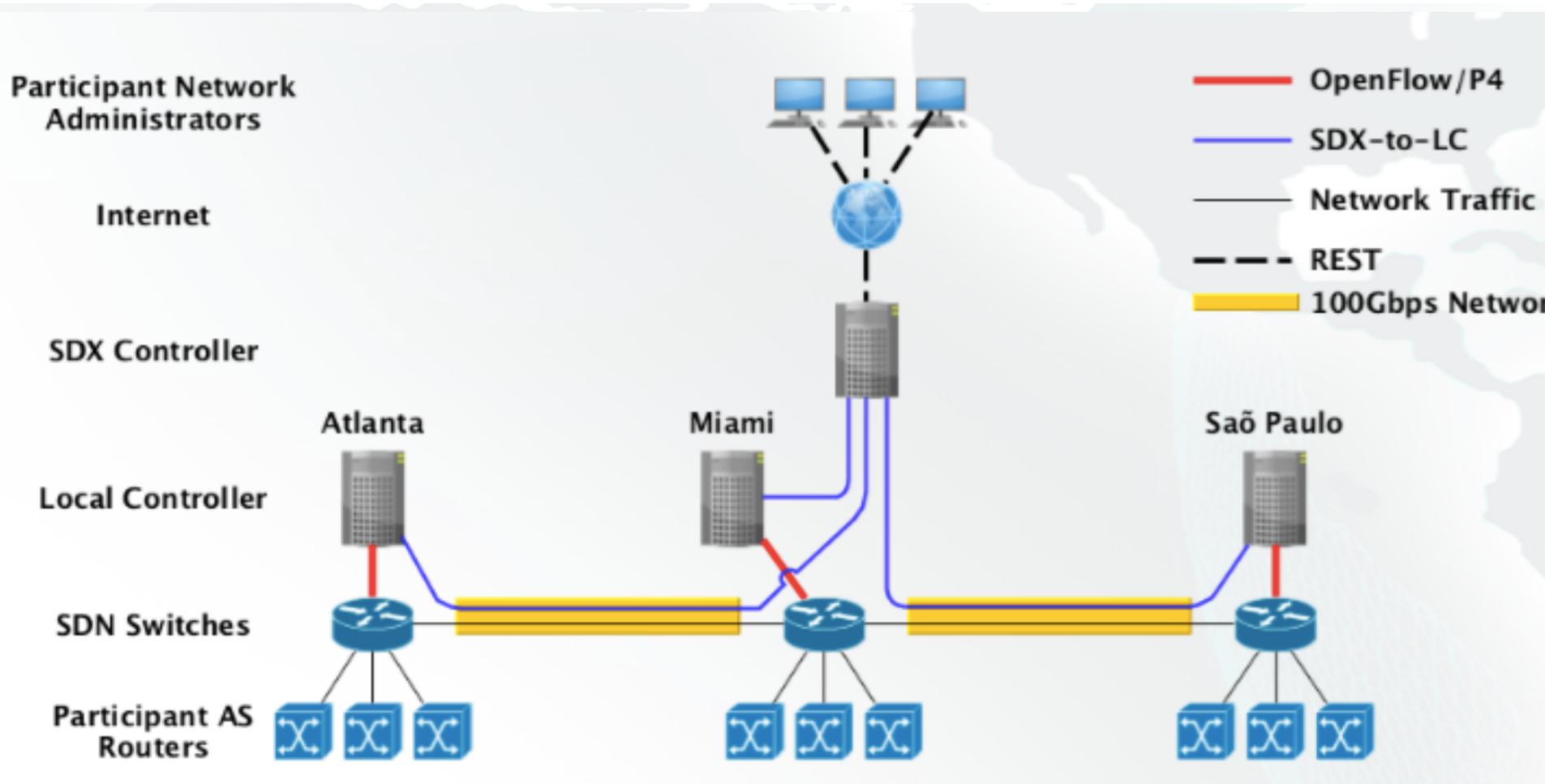


Planned Activities

- Build a distributed experimental SDX between the U.S. and South America
- Enhance capabilities of the AMPATH and SoX exchange points to operate as platforms of network innovation
- Leverage the network infrastructure between the U.S. and South America to achieve the preceding goals
- Provide leadership and coordination in the experimental SDX community



Planned SDX deployment





Current Status:

- AtlanticWave-SDX development:
 - In 2017, the following features were added:
 - Support for NSI
 - Support for multi-tables with OpenFlow
 - A domain scientist REST API
 - Corsa 100G switches were purchased for SOX and AMPATH
 - Chile and Sao Paulo will receive Corsa switches soon
 - Bandwidth reservation for Corsa switches
 - Integration with Corsa's API being developed
 - Two AmLight software developers will join the SDX development in October
 - Github: <https://github.com/atlanticwave-sdx/atlanticwave-proto>

Thank You!
jbezerra@fiu.edu