

2016 GLIF Americas Meeting
Miami, Sep 28th 2016

IRNC: RXP: AtlanticWave-Software Defined Exchange

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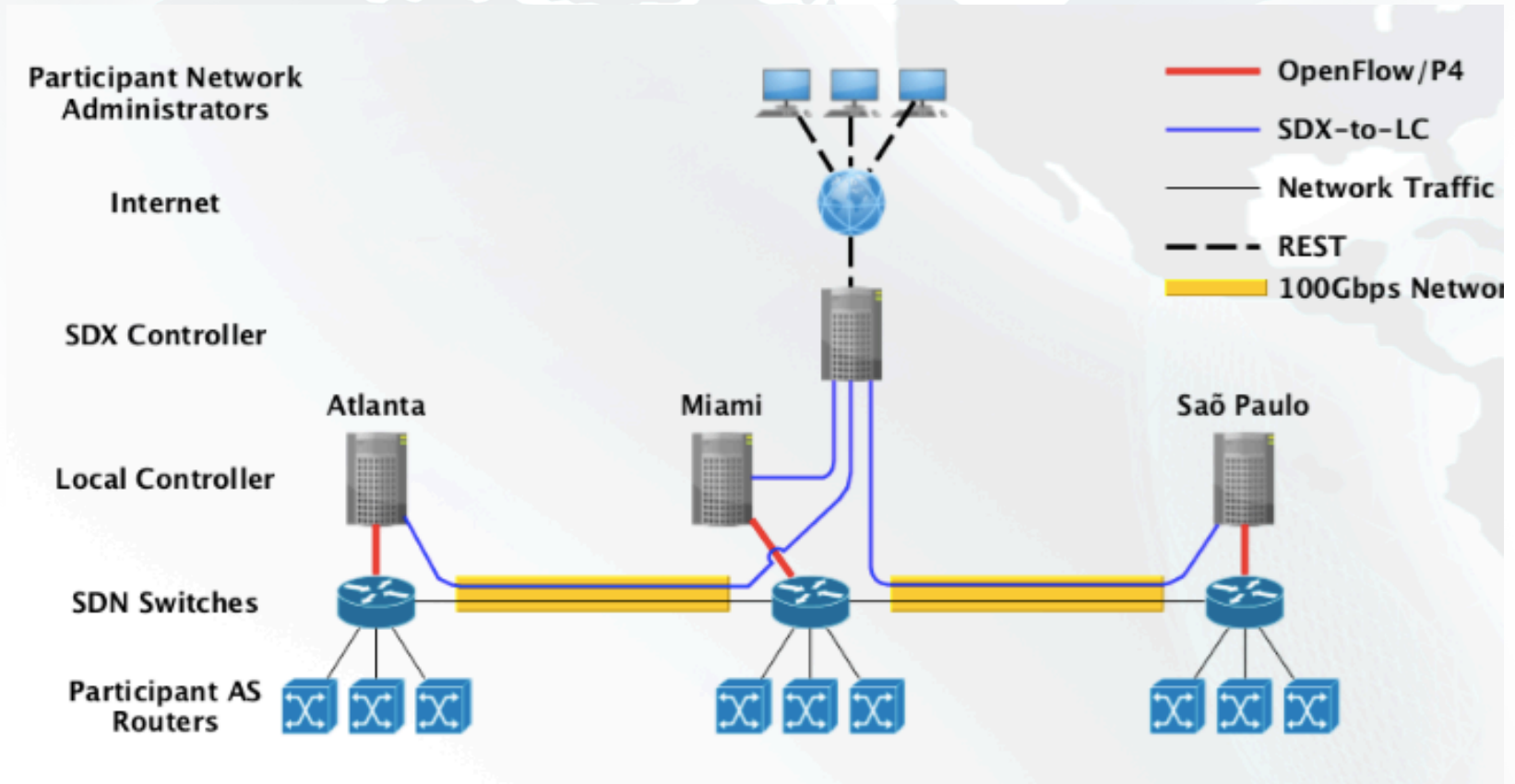
Outline

- Developing a multi-domain international Software Defined Exchange between AMPATH/Miami, SOX/Atlanta and SouthernLight/Brazil
- Expanding AMPATH capacity to Internet2
- Expand AMPATH IXP to Boca Raton/Equinix – Monet's Landing Station

Developing a multi-domain SDX

- Georgia Tech is leading the SDX development, one FTE hired (Sean Donovan)
- A presentation was made this morning, a demo is scheduled to tomorrow night during the GLIF demo session
- Initial code supports NSI and calendaring – to be made available next week
- A demo is planned for SC16 with bandwidth reservation on top of a Corsa switch
- Prototype planned for the end of the year

Developing a multi-domain SDX



Expanding AmLight capacity

- In cooperation with FLR, an 100G alien wave was deployed in 2015
- In 2017, instead of one alien wave, two 250GHz channels will be provided by FLR to connect AMPATH to Internet2
- In parallel, AMPATH is expanding its colocation to Equinix/Boca Raton (60 miles)
 - An optical network will be created
 - This new infrastructure aims to transport optical spectrum part of the AmLight-Exp project from Boca Raton to Miami
 - Procurement in progress!

Expanding AmLight IXP

