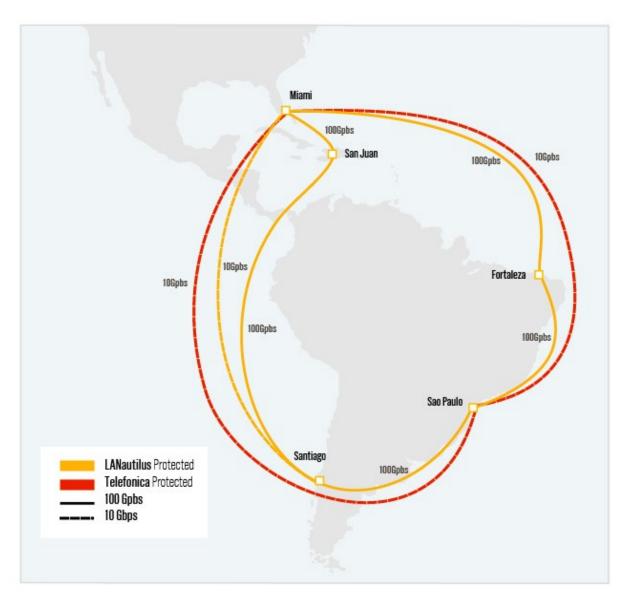


SAACC Meeting

AmLight measurement infrastructure

Santiago 17/04/2019

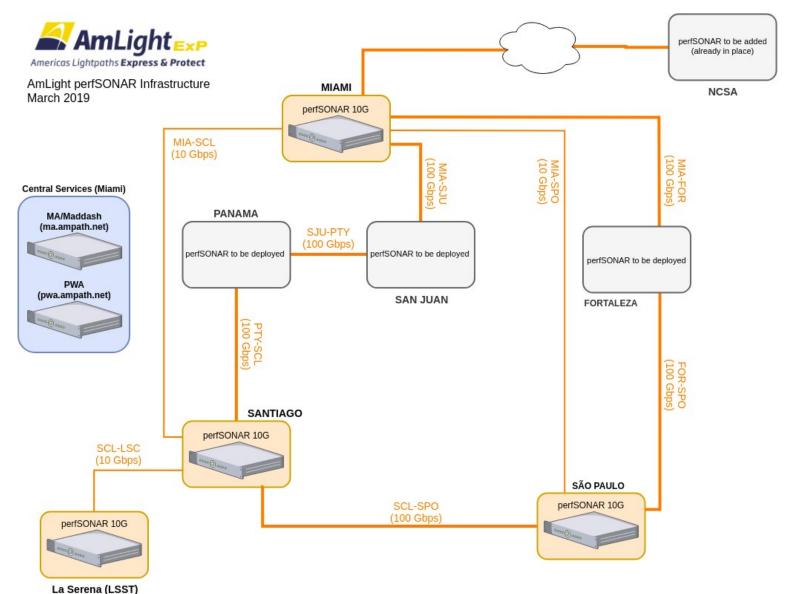
AmLight Backbone (04/2019)



Currently

- Existents nodes:
 - -Miami, São Paulo, Santiago, La Serena
- Nodes being deployed:
 - -Panamá (in partnership with CLARA)
- Softwares in use:
 - Perfsonar-centralmanagement (archive, visualization)
 - PWA (web tool to manage all the tests)
 - Perfsonar-testpoint
- Approach:
 - Tests run in a point to point fashion (it's possible to get information regarding every single link)

Measurement Topology



Tests specifications

• OWAMP

- Metrics:
 - One-way loss
 - One-way delay

- Latency (RTT)
- Bandwidth

Visualization

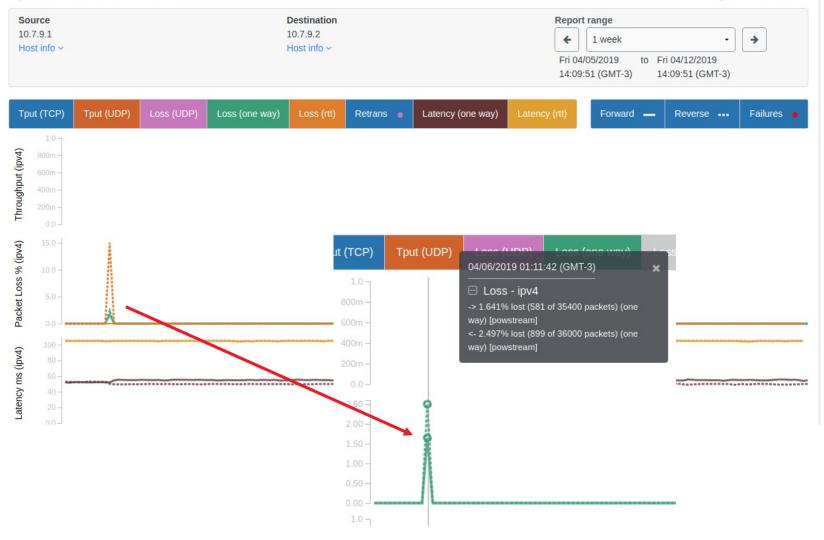
URL: https://dashboard.ampath.net

\equiv Dashboards \equiv F	Reports 🛛 🗢 Set	tings		
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LSST: Santiago to I	La Serena - B'	W: Santiago - La Ser	ena (10 Gbps) - Th	roughput
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AmLight Santiago LSST La Serena				
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AmLight Santiago				
LSST La Serena				
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Loss rate is <= 0.001%	Loss rate is > 0.00			Check has not run ye
Loss rate is <= 0.001%	Loss rate is > 0.00			Check has not run ye

Visualization: loss

perfSONAR test results - documentation

C Share/open in new window



Visualization: bandwidth



NetSage retrieves data from AmLight perfSONAR infrastructure and print them on its portal:

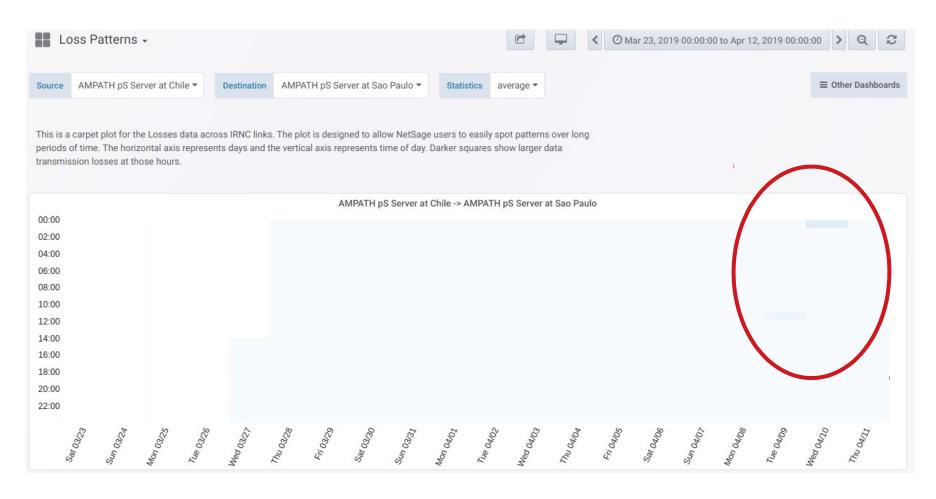
https://portal.netsage.global/grafana/d/00000005/ latency-patterns

This is an excellent way to visualize tests results, since the interface is friendly.

Latency:



Loss:



Bandwidth usage:

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Thank you!

Rodrigo Pescador / RNP rodrigo.pescador@rnp.br