



Improving the regional Internet performance enabling growth and development

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Challenges



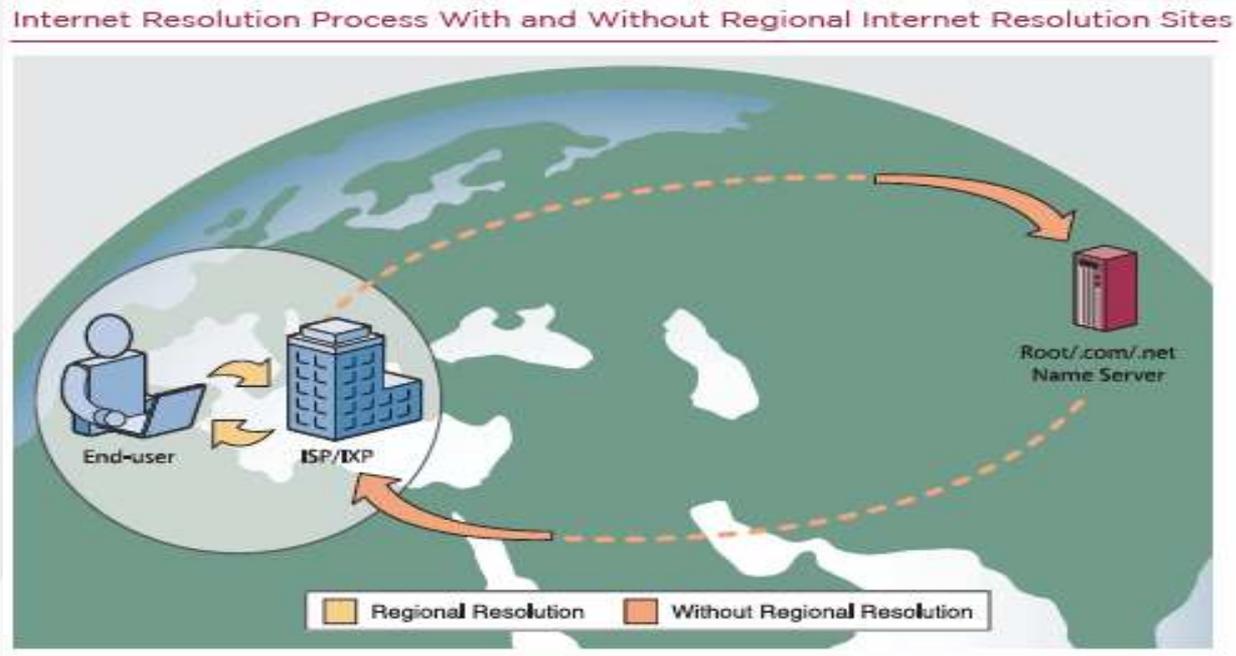
- The South America & Caribbean Internet access point is Miami
- About 3000 km one-way
- Long distance transport and latency anywhere around 40 - 100 ms
- Shorten the latency to single digits 1- 9 ms

Infrastructure



- Bringing the content closer, lower latency and response time from 40 – 100 ms to 1 – 9 ms.
- Improve customer experience
- Multiple submarine cables (7) connecting to the US and the region
- Two datacenters and a Internet Exchange
- ISP's, CDN's, IPT providers

How did it start ?





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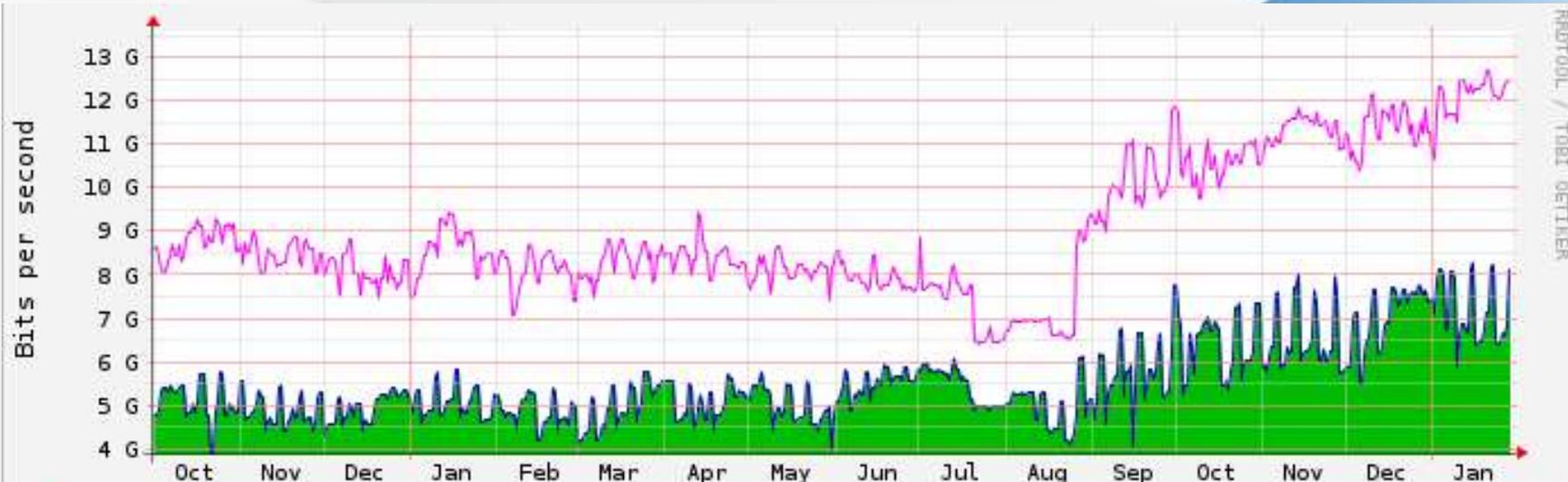
Timeline

- 2005 – 2011 Mobilizing change, innovation, partnerships, CAR-IX
- Started running traffic in July 2011 during the CANTO 27th Annual meeting in Suriname
- 2011 – 2016:
 - UTS, C&W, Digicel, Telbo, TRES, Scarlet, SSCS, Flamingo TV, ECP, Blue Nap Americas
 - Google, Akamai, Netflix, Facebook, CloudFlare
 - International industry stakeholders. Lacnic, Lac-ix, Lac-peering forum, Caribbean peering forum, Caribnog, SLS.
 - AMS-IX international industry presence and strength

Governance structure

- Public private initiative between the Minister Transport and Communications, the Regulator BT&P, and the founding members UTS, Digicel, Telbo, Scarlet and EOCG.
- Strategic partnership with the Amsterdam Internet Exchange
- Non profit
- Governed by its own members.
- Maximum transparency through the website cw.ams-ix.net incl customer portal my-ams-ix.net

Stats



■ Input
■ Peak 5 Minute Output ■ Output

Peak In	: 12.717 Gb/s	Peak Out	: 12.719 Gb/s
Average In	: 5.526 Gb/s	Average Out	: 5.524 Gb/s
Current In	: 8.206 Gb/s	Current Out	: 8.206 Gb/s

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Results



	2007	2009	2010	2011	2012	2013	2014	Now
AMS-IX Car traffic Gbps				1.5	2	3.5	5	12.5
Average download Mbps			1.6	7.5		14	16	17.5
Internet penetration % HH	51%	65%		69%	76%	79%	80%	80+%
Ports		100Mb	100Mb	1GE	1GE	10GE	10GE	10GE (100GE)

Growth and development

- Improving end user experience
- Increase the user online time; bandwidth- and content demand
- More and more online services:
- Banking services, tax filling and payments, insurance companies, custom office, education, other government services, media, social media, events, apps
- (Free) WiFi service in public transport busses and down town tourists trafficking area.

Next steps



- strengthening the present Caribbean region model
- building out together with industry stakeholders
- More content locally/regionally
- Further improving user experience
- Enabling further growth and development

AMS-IX Caribbean



Improving user experience
enabling growth and development

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