



Yahoo! In South America

South America Interconnection

LACNIC XIII 2010

Introduction

Regional connectivity in South America with high performance is possible

Comparing Sao Paulo and Miami



Yahoo! Global Footprint

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Places to Serve South America

Is Miami the best location to serve South American content?



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It depends...

- **Costs are cheaper**

- Hardware

- bandwidth

- If you are in a place where you have diversity of carriers you may see the whole region from there



Places to Serve South America

- Cons

- “While utilization on international links to Europe and Asia fell in 2008, they rose in the US & Canada and Latin American where traffic growth outpaced the deployment of new internet bandwidth. “

Source:

http://www.telegeography.com/cu/article.php?article_id=24888&email=html



Places to Serve South America

Myth:

All connections go up to Miami and back.



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There are other options if performance is a concern

- Prof of concept: placing a server in Miami and other in Sao Paulo with the same content
- Connecting to the main carriers in the region.



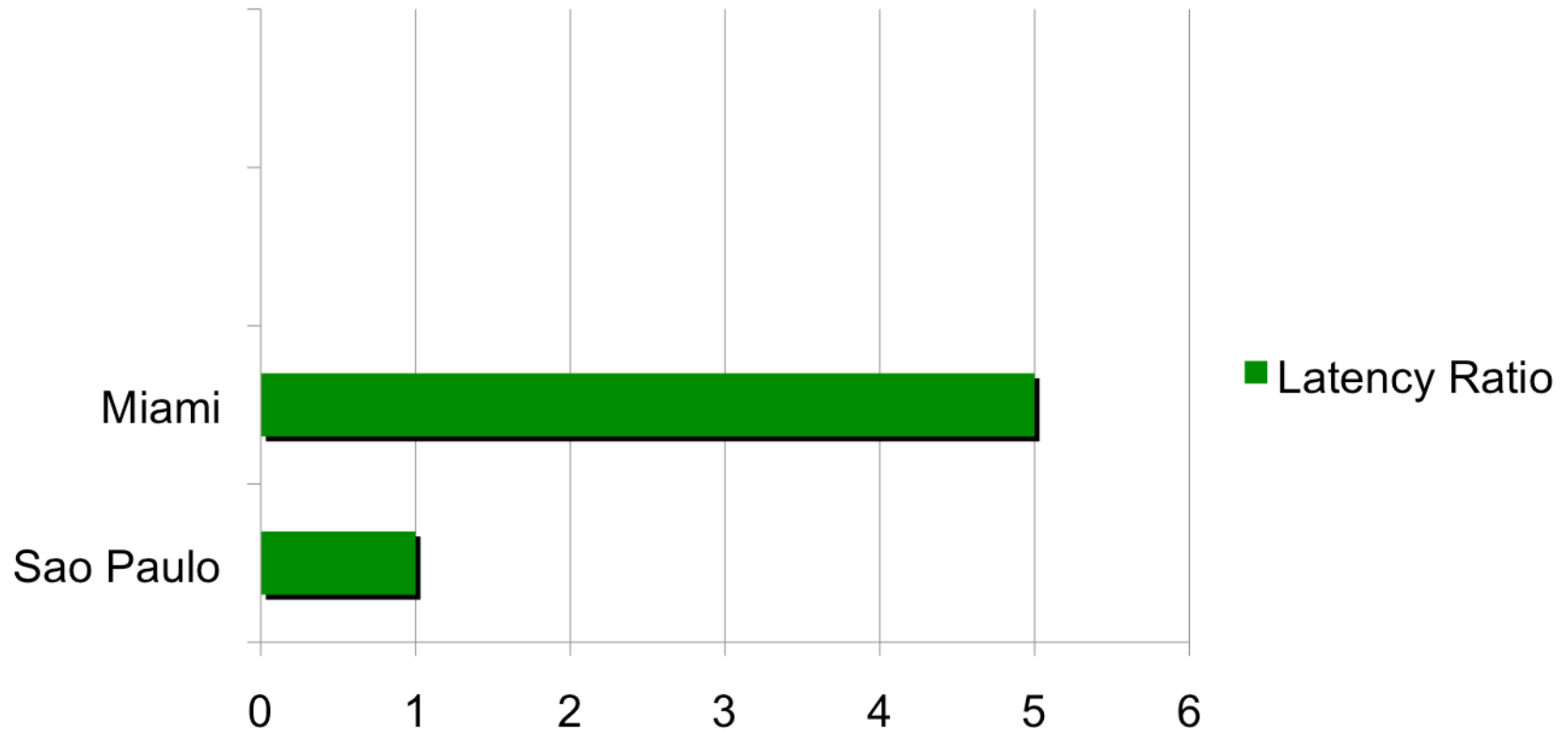
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- Tools used
 - Web site performance tools
 - Perl scripts
 - Wget



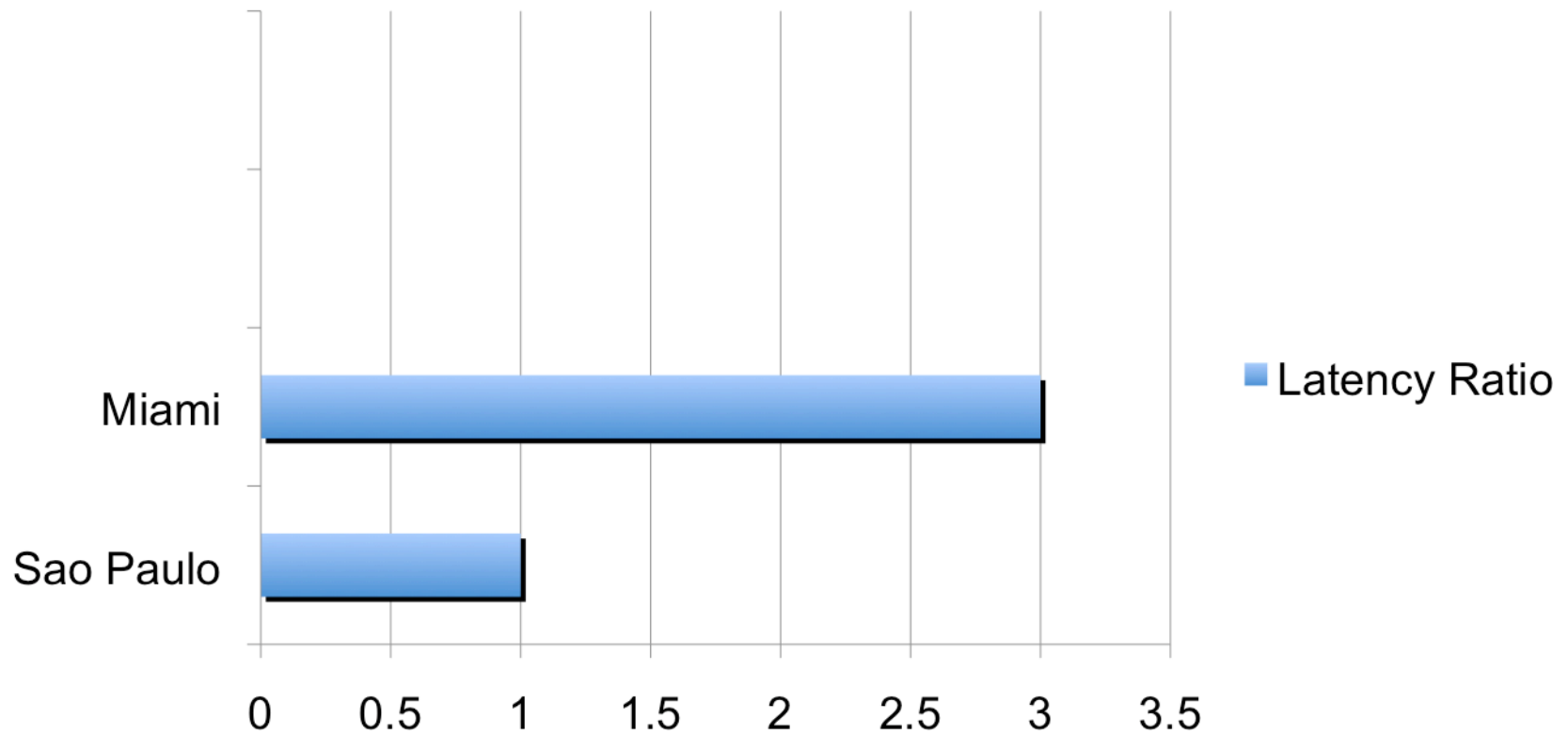
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**Latency Ratio between Sao Paulo and Miami.
Source: Brazil**



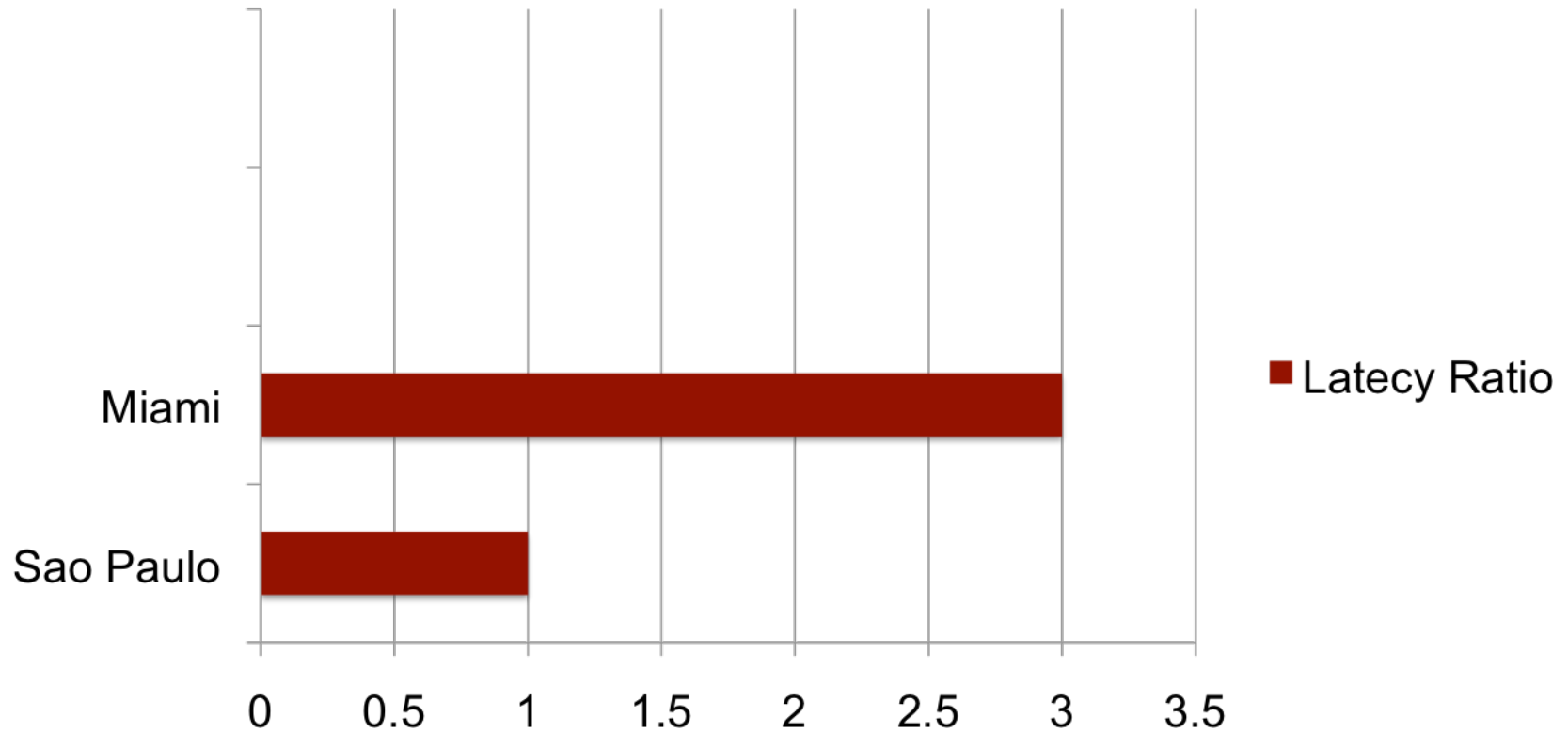
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**Latency Ratio between Sao Paulo and Miami.
Source: Argentina**



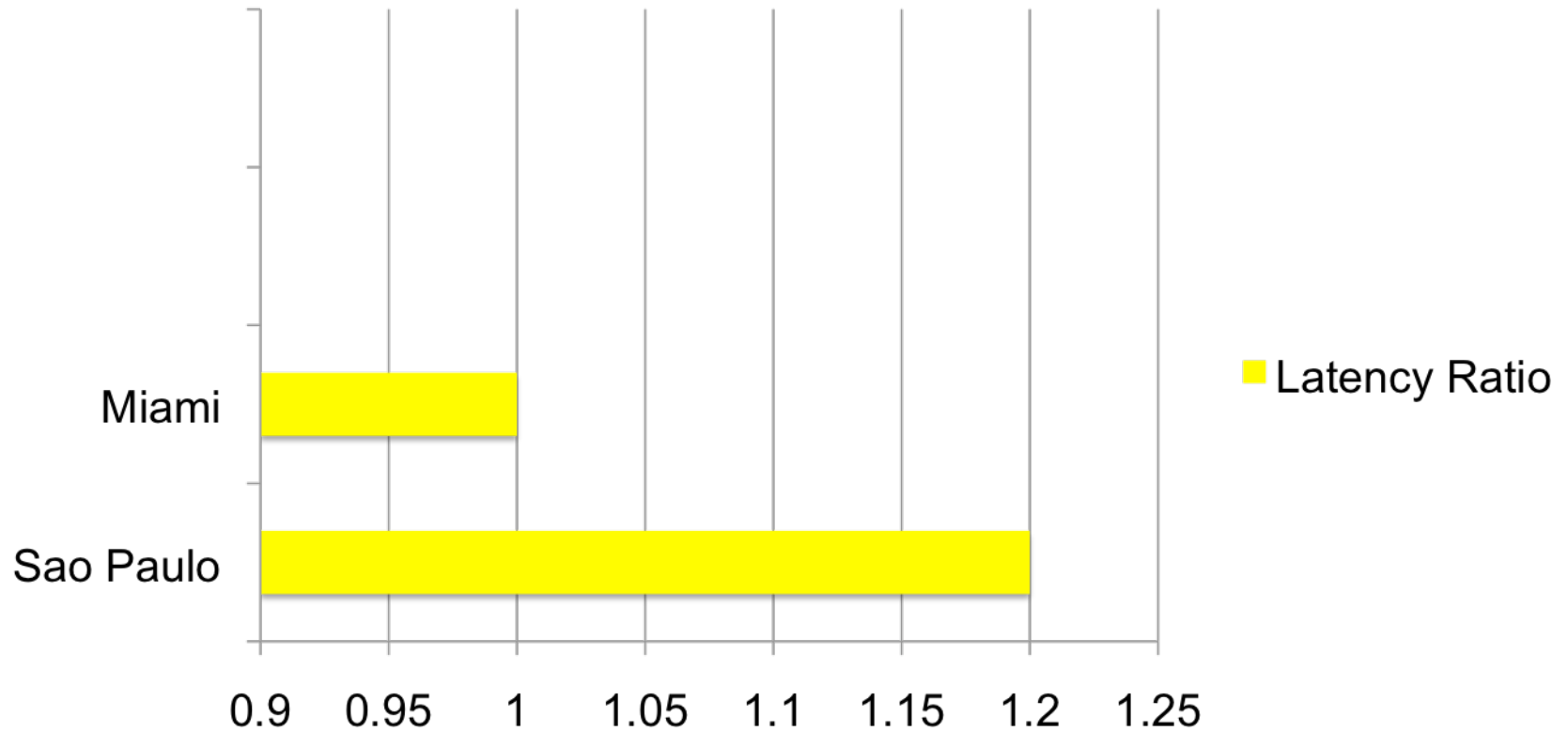
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**Latecy Ratio between Sao Paulo and Miami.
Source: Chile.**



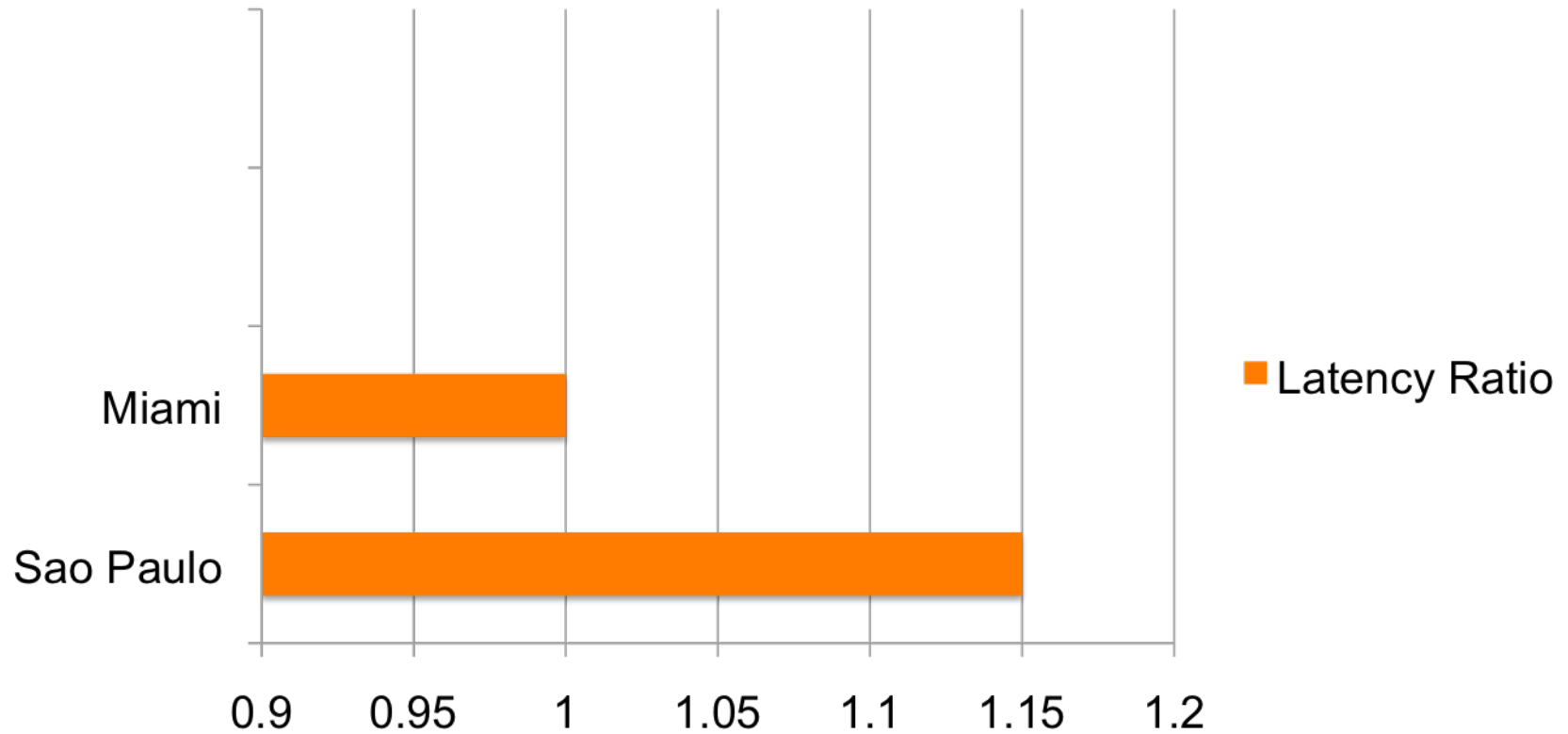
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**Latency Ratio between Sao Paulo and Miami.
Source: Colombia**



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**Latency Ratio between Sao Paulo and Miami.
Source: Peru.**



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Questions???

