



**Construyendo el futuro
del conocimiento**

Tical 2025

Cyrano Rizzo

Google Cloud

LATIN AMERICA

**Partner
of the Year**

Public Sector

2024



Cyrano Rizzo

Calriz CEO since 2020

- Florida USA
- Sao Paulo BRA

Cyzzo CEO since 2015

4Smart Cloud CEO since 2025

Former:

- *University of Sao Paulo CIO 2002 - 2017*
- *Binario Cloud CTO 2017 - 2020*
- *Bedu Tech CEO 2018 - 2020*

Main Projects:

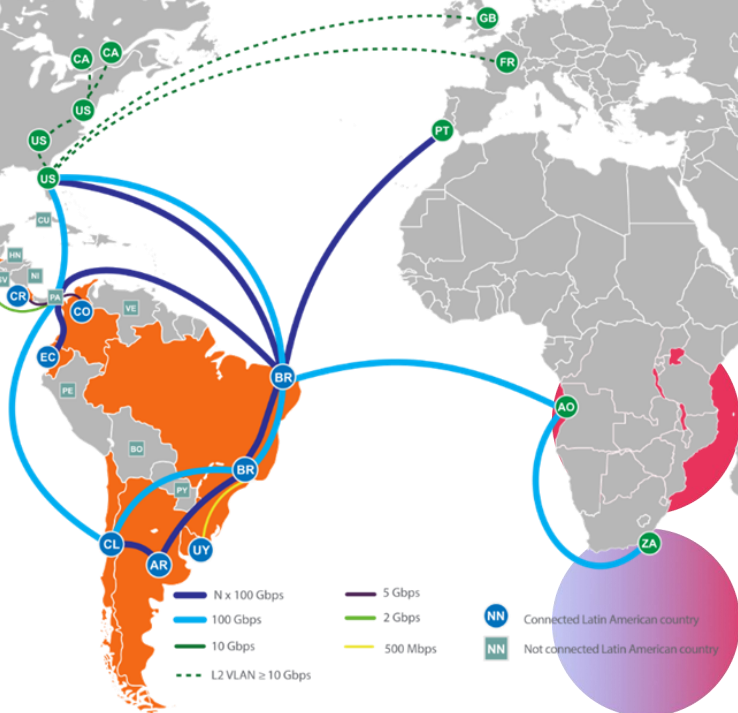
- *Cloud USP - 2013*
- *Nube AIG, Panama Government 2018*



ciena

Red
CLARA

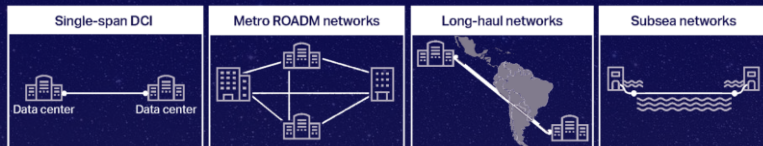
TICAL
2025



Current RedCLARA's Network Topology

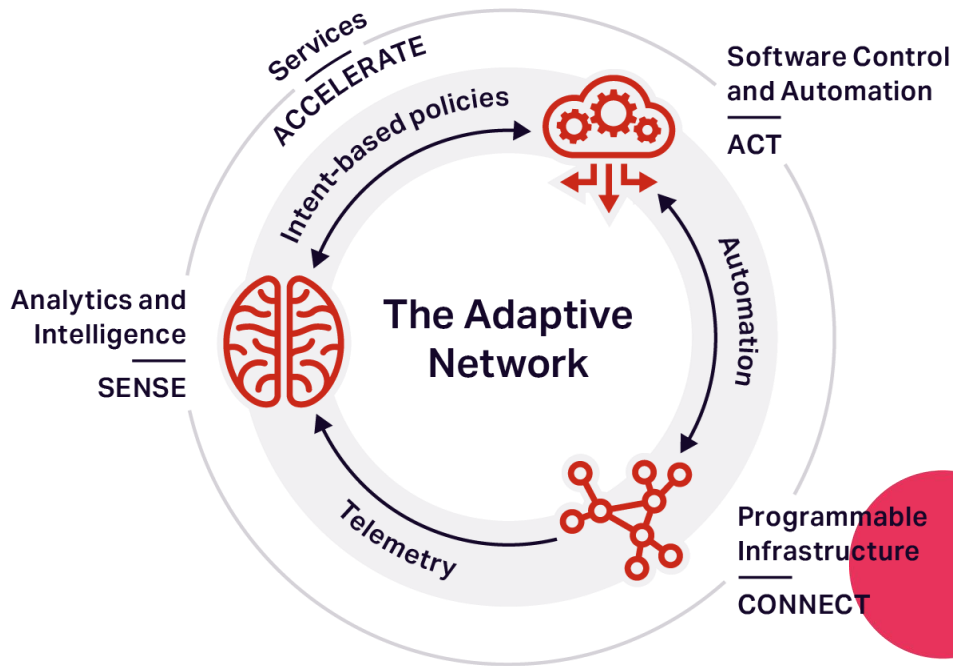
Equipped with Ciena Waveserver AI technology that provides unique, industry-leading per-wavelength capacities, as high as 1.6 Tb/s





~400Gbps single span in Latin America

<https://rubinobservatory.org/>



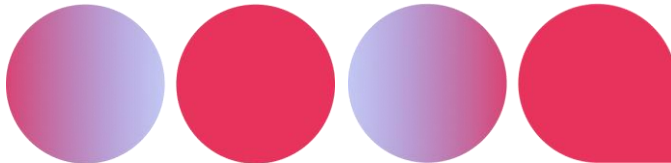
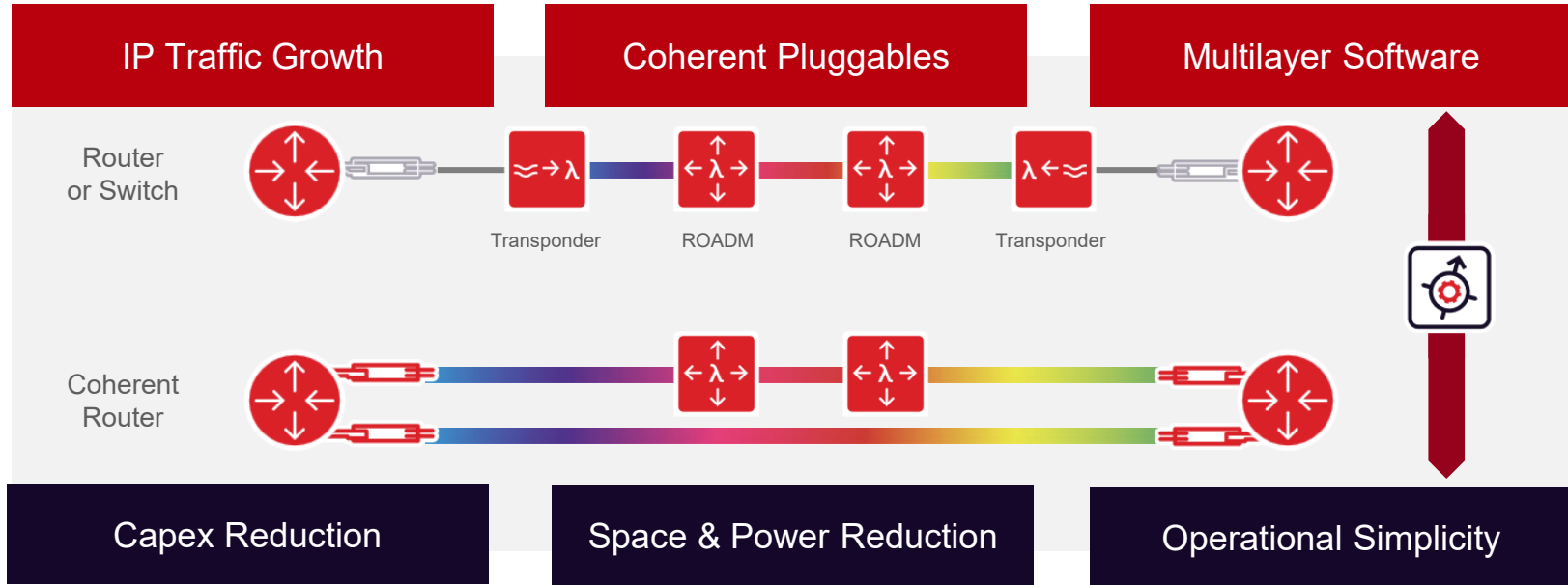
Current RedCLARA's Network

SOFTWARE CONTROL AND AUTOMATION,
ANALYTICS AND INTELLIGENCE and
PROGRAMMABLE INFRASTRUCTURE





Routing and Switching



ciena 5132



Ciena's 5132 platform is purpose-built for 100 GbE service and demarcation in a variety of business and wholesale environments. As more businesses and mobile applications move to edge cloud hosting, 100GbE emerges as the next necessary upgrade between access locations and data centers—also preparing them for private, high-capacity connections to cloud service providers.

- 360 Gb/s of non-blocking switching capacity in a compact device
- Low footprint 1RU for space-constrained locations
- Ciena's MCP multi-layer support for end-to-end network management control and planning
- Service isolation using FlexEthernet
- Carrier Ethernet, IP routing, SR-MPLS, and SRv6 ready
- Hardware-assisted OAM scaled to deliver services with guaranteed SLA differentiation
- SZTP to minimize OPEX and accelerate, secure, and error-free turn-up of service

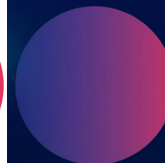
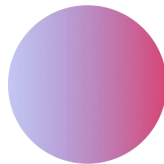
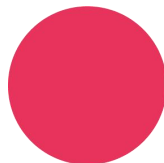
<https://www.ciena.com/products/5132>



The 8192 is Ciena's first 800GbE router—a 14.4 Tb/s variant to our 8000 family. It's engineered with the flexibility to meet demand today and exponentially higher demand tomorrow while also integrating Ciena's WaveLogic™ 6 Nano (WL6n). Backward-compatible with 400GbE, 200GbE, and 100GbE, the router's extensibility makes it a great choice for numerous use cases, including high-scale aggregation, metro core, and coherent routing in service provider, enterprise, and data center networks.

- 14.4 Tb/s addition to the 8000 family
- Supports 800GbE interfaces
- 20 fixed ports for 400/200/100GbE and 16 flexible ports supporting 8 x 800GbE or 16 x 400/100GbE
- Supports WL6n and WaveLogic 5 Nano (WL5n) pluggable optics
- Comprehensive feature set with on-chip TCAM acceleration support for scalability
- Versatile use cases, including high-scale aggregation, metro core, and coherent routing

<https://www.ciena.com/products/8192>



ciena 8192



MoU

RedCLARA



&

calriz

+ ciena

+ Google Cloud

+ Google for Education

+ chromeOS

+ tp-link | omada

+ calriz

calriz

TICAL
2025

What can I expect?

1. With Google

- a. Ahead of **Moodle** on GCP
- b. Ahead of **Education** Data Platform
- c. Ahead of **Government** Data Platform
- d. Ahead of Data Loss Prevention (**DLP**)

2. For RNP

- a. **Google Cloud** provider
 - i. Billing, build and services
- b. **Google for Education** provider
 - i. Billing, build and services
- c. **Cisco NCS/ASR** provider
- d. **Ciena DCI/DWDM** provider
- e. **Moodle** on GCP
- f. Data Loss Prevention (**DLP**)
- g. Via Ipê SaaS partner

3. For RedCLARA

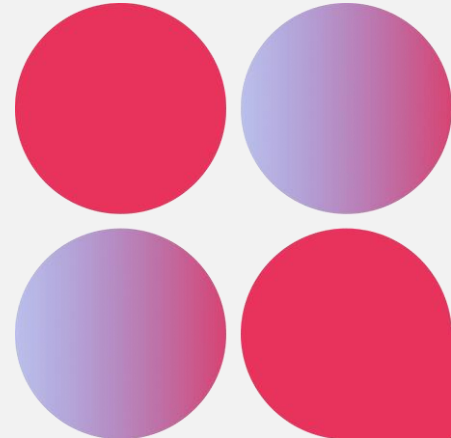
- a. **Cisco NCS/ASR** provider
- b. **Ciena DCI/DWDM** provider



Calriz is a distinguished Google Premier Partner based in Brazil, recently honored as the Google Cloud Public Sector Partner of the Year for Latin America (2024), underscoring its expertise in digital transformation for government and education clients. The company's core specialization lies in the full Google portfolio, particularly Google Cloud Platform (GCP) and Google Workspace, complemented by robust capabilities in complex networking and infrastructure solutions from technology leaders like Cisco and Ciena. This broad specialization allows Calriz to deliver end-to-end solutions, from cloud migration and security to high-performance connectivity and data center modernization.

Register and enter for a chance to win!

- To participate in the giveaway, scan the QR code and fill out the form.
- Note: You can also visit our booth to access the QR code.



**Want to see how this works
in practice? Schedule a call
with a Calriz consultant.**

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