



Javeriana University

Building a Resilient and Scalable
Network for Education Excellence



Customer Story

MARKET: EDUCATION
IDEAL IMPLEMENTED: 2024

COUNTRY:
COLOMBIA

ORGANIZATION
JAVERIANA UNIVERSITY

Alcatel • Lucent 
Enterprise

Context

Founded in 1623, Pontificia Universidad Javeriana is one of the oldest universities in Latin America.

With its main campus in Bogotá serving around 25,000 students and a secondary campus in Cali, the university is part of a global network of 31 Jesuit universities in Latin America and 167 higher education institutions worldwide. Renowned for its academic excellence, **Universidad Javeriana aims to stay at the forefront of education by providing robust and innovative IT infrastructure to its community.**

25,000
students

Bogota
& Cali



Javeriana University Network infrastructure challenges

As a modern educational institution, Universidad Javeriana faced several IT challenges.



BYOD environment

With thousands of students and staff bringing their own laptops, tablets, and smartphones, the **network had to support high-density device connectivity** without compromising performance or security.



Diverse user needs

Students needed **uninterrupted access** to learning systems and digital resources, while faculty relied on reliable networks for teaching, research, and administrative tasks.



High bandwidth demands

The increasing reliance on streaming, e-learning platforms, and cloud-based tools created a need for **scalable, high-speed connectivity access** to handle peak usage.



Cybersecurity threats

Safeguarding sensitive academic and personal data from **growing cyber threats** was a top priority.



Real-time monitoring

Administrators required **real-time visibility into network health and tools** to detect and address disruptions quickly.



Escalabilidad

As a leading university, Universidad Javeriana needed a network infrastructure capable of evolving to **meet future demands**, including support for hybrid learning models and emerging.

Action

Universidad Javeriana has partnered with Alcatel-Lucent Enterprise (ALE) for over 15 years to address these challenges and build a cutting-edge network infrastructure.

The collaboration began with the implementation of LAN Core network and has since expanded to include LAN Access and WLAN solutions, utilizing ALE's innovative products and technologies.

About OmniVista Network Advisor

OmniVista Network Advisor is an intelligent and autonomous network companion, is providing

AI-driven guidance and remediation for

Alcatel-Lucent's OmniSwitch, OmniAccess Stellar Access Points and any other network equipment vendor.

It helps to ensure 24x7 monitoring by identifying any threats to the network, alerting IT teams of the events, issues or anomalies, and proposing a solution to remediate them. Moreover, you can command OmniVista Network Advisor to repeat the same fix if similar issues occur again in the network to automate the fixes.

The tool is available via Rainbow CPAAS and Microsoft teams collaboration platforms so that users can receive alerts and take action for remediation even from on a smartphone.



Financial benefits

- Best **cost-to-performance ratio**, providing high-quality products at a competitive price.
- Eliminated network interruptions that previously demanded IT intervention, **reducing operational costs**.
- Scalable infrastructure that adapts to the university's evolving needs.

User experience benefits

- **For IT teams:** Simplified network configuration and centralized management, reducing administrative workload.
- **For users:** Stable, high-performing network with minimal downtime, ensuring uninterrupted access to resources.

Technical benefits

- Accelerated detection, reaction, and mitigation of **security threats**.
- **Simplified troubleshooting** with real-time alerts and anomaly detection.
- Easy data transport across multiple Layer 2 domains, improving **efficiency and scalability**.



Our team is very satisfied with OmniVista Network Advisor. In just three months, it's become an essential tool for monitoring our infrastructure.

The solution has transformed how Javeriana University monitors its infrastructure. It helps to ensure 24x7 monitoring by identifying any threats to the network, alerting IT teams of the events, issues or anomalies, and suggesting a solution to remediate them.

The beauty of this tool is that it integrates with Rainbow CPAAS and Microsoft teams so that you can receive alerts and take action for remediation even from your smartphone.

IT Network Manager Javeriana University

Universidad Javeriana, one of Latin America's oldest universities, partnered with Alcatel-Lucent Enterprise to overcome modern IT challenges.

By **deploying advanced networking LAN & WLAN and ALE AIOps companion** - OmniVista Network Advisor - the university achieved seamless connectivity, enhanced security and scalability to meet the demands of students and staff while reducing the workload of the IT team.

This 15+ year partnership showcases a future-ready network infrastructure, empowering academic **excellence in the digital age**.

