

THE FRANCISCO GAVIDIA UNIVERSITY TRANSFORMATION

CHALLENGES

Information Silos

One server per service, which was not only inefficient, but also created all sorts of data integration challenges.

Spikes in demand

Low scalability: if server capacity was insufficient, we invested in a more powerful one every 3 years.

Need for more bandwidth: to offer more online services, classes and multimedia resources.

Cybersecurity

Secure student access: to enable everyone to connect to any of the services via the internet.

Cyberattack Threats: to protect the information of everyone in campus.



SOLUTIONS

-  MPLS connectivity
-  Network and security monitoring
-  Certified data center infrastructure

ROADMAP

- 1 Internet Access:**
The first university in El Salvador to have an Internet presence and provide free access on campus.
- 2 New software:**
First university to implement corporate software practices.
- 3 Better infrastructure:**
Use of cloud infrastructure provided flexibility, distribution and optimized workloads.
- 4 New Online Services:**
The new software platforms enabled new online services for both students and staff
- 5 Enhanced Security:**
 - SIEM: to prevent threats in real time.
 - DDoS: protection against Denial-of-Service attacks.
- 6 Online Classes:**
 - LMS: to track students' academic activity.
 - Multimedia services: Added a CDN with improved speed and bandwidth.

COMING SOON

- Service integration: for a complete and consistent experience.
- Improved communication: integrating the various digital channels to serve our students.