

CASE STUDY

Major Latin American Fintech Company Relies on Fortinet Cloud Security Solutions

Founded in May 2013, Nubank first began in São Paulo as a startup focused on solving financial problems and revolutionizing the market through technology and design. Today, with more than 6 million customers, 1,300 employees, and an office in Berlin, it is considered one of the main fintech companies in Latin America. In addition to providing an international credit card, Nubank offers other products, such as NuConta, a free digital account, and Nubank Rewards, a benefits program with points that do not expire. These services are managed through an app so customers can solve issues through tablets and smartphones.

Due to its 100% digital technological infrastructure, Nubank can increase its capacity to leverage security resources deployed in virtual environments to prevent and mitigate cybersecurity threats.

Implementing Cybersecurity Solutions Results in Better Time Performance

The relationship between Nubank and Fortinet began in 2018, faced with the challenge of designing a cybersecurity IT infrastructure that could support the fintech's 1,300 employees and accompany business growth. Nubank also needed solutions that could support the internal security team and optimize communication with the AWS cloud environment.

As Nubank is based entirely on a digital environment, the concern for network security has always been a present issue, and several precautions are taken daily to guarantee the security of customer information. The company's rapid growth has driven the search for new technologies capable of supporting the number of employees at the headquarters.

"The increase in the number of employees resulted in slowness issues, which is why we chose to deploy Fortinet solutions," says Gabriel Diab, software engineer at Nubank Brazil. "We opted for FortiManager for the administration. We analyzed its feasibility, thinking of future growth and an increasing number of locations. FortiManager was a key piece for a more centralized project administration. To complete this project's phase, we opted for the Fortinet Security Fabric, consisting of FortiGate and FortiGate VM, the virtual firewall for the AWS environment. It was as if we forgot all the network solutions we had been using until then and started all the structuring from scratch."



"We were looking for solutions that would support our internal security team and improve communication with our Amazon Web Services cloud environment. In just five months, we managed to reorganize our environment, and we are already thinking about the next steps."

Gabriel Diab
Software Engineer
Nubank Brazil

Details

Customer: Nubank

Industry: Fintech, Financial Services

Location: São Paulo, Brazil

Business Impact

- Greater reliability and physical security of connected devices
- Better communication with AWS, optimizing the IT team's time
- Enhanced scalability

Benefits of Choosing the Fortinet Platform

The Nubank teams that deployed Fortinet solutions experienced many advantages. For example, Wi-Fi availability has improved, the network is more secure, and software engineers' latency time has decreased. The waiting time for page opening also fell from 10 to 5 milliseconds, and the teams now have more time to work on other fronts.

"Nubank's main benefit from implementing Fortinet security solutions is the security itself," adds Diab. "Now, we have a record of the activities of each user and engineer using one of our services. This allows us to understand all the actions being carried out and represents an important security measure for us and our customers."

Ready for the Future

"We used to say this was the first step of a giant project we hoped to implement someday, a goal we wanted to achieve here in Nubank," concludes Diab. "Therefore, this project serves as a learning induction and an experience that will help us in our next steps. Carrying out new projects without doing all this infrastructure work would not be possible without first organizing our base. This was the first step of many toward achieving our goal."

Business Impact (cont.)

- Better control over infrastructure, users, and information
- Centralized visibility and secure management for a wireless network environment
- Ease of creating executive and compliance reports
- Improvement of the internal team's performance due to fast connectivity

Solutions

- FortiGate Next-Generation Firewalls
- FortiManager

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