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**Migration of one
of the largest
electronic invoice
operators in Latin
America to the cloud**

Customer Challenge

This company was faced with the decisive dilemma of growing its operations on premise or migrating to the cloud. Its main business is focused on being a transactional switch to handle electronic commerce information, such as purchase orders, receipt orders, electronic invoices, being one of the largest electronic invoice operators in Latin America.

Additionally, the challenge was a complex migration to AWS (Amazon Web Services), since it had several servers installed since 1998, 2000 and 2003, with many applications based on old software platforms. It started using most of the AWS services and also started testing with new services, such as the Amazon Aurora database. It required the migration of 700 servers, with 20 applications, more than 400 mission-critical threads, and supports more than 17,000 customers with the switches that have been migrated, with millions of dollars being moved every second.



Proposed solution

This Digital reinvention project began with the migration of data centers to the Amazon cloud through two major steps:

Infrastructure-as-a-Service:

In this first step, all the machines in our own data centers and in hosting mode were migrated to the Amazon Web Services Cloud. This movement provides us with five main benefits at the Infrastructure level, among which are: service on demand, elasticity, access from anywhere, reuse of resources and real consumption metrics.

Platform-as-a-Service:

The second step was a big one: to use all the services offered by AWS, to carry out a technological transformation of all the platforms, including the Colombia Electronic Invoice platform.

The scope was to enable the entire operation of the technological infrastructure that currently operates in the data centers, and optimize applications and infrastructure enabled in AWS, taking advantage of the characteristics of the platform using inventory discovery services with AWS Application Discovery Service to understand its architecture, topology, dependencies and transversal services. Based on this inventory, migration waves were defined for a lift and shift strategy through the AWS Server Migration Service and complementing the operation with AWS Cloudwatch monitoring services, auditing with AWS Cloudtrail, key management with AWS KMS and an adjusted process. authorization with AWS IAM.



Outcome(s)/results

After a year of operation in the AWS cloud, this company has consolidated the operation of its most transactional products in the cloud (the E-Business electronic business center and its electronic invoicing platform). The project, cataloged as one of the first success stories in Latin America, has made it possible to support the increase in the number of clients and invoices generated.

The benefits of this migration translate into reduced response times, lower costs and high standards that significantly improve the quality of service, as well as innovation that effectively responds to customer needs. Additionally, it allows you to have an improvement in the “time-to-market” in the systems that support the business and the use of cloud services without having to develop them locally.



About Globant

We are a digitally native company that helps organizations reinvent themselves and unleash their potential. We are the place where innovation, design and engineering meet scale.

We are more than 27,000 Globers present in 25 countries in 5 continents working for companies like Google, Electronic Arts and Santander, among others.

- We were named a Worldwide Leader in CX Improvement Services by IDC MarketScape report.
- We were also featured as a business case study at Harvard, MIT, and Stanford.
- We are a member of The Green Software Foundation (GSF) and the Cybersecurity Tech Accord.

For more information, visit www.globant.com

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