

# Success story: Improving e-commerce websites using Azure



*Rootstack supported INTCOMEX in improving the speed and capacity of the e-commerce sites it currently manages.*

## About INTCOMEX

It is a company that operates in Latin America and the Caribbean, focused on the distribution of technological solutions and products in both regions. It provides stores with computer products, software, networks and electronics, cell phones, gaming items, as well as various accessories related to the world of technology.

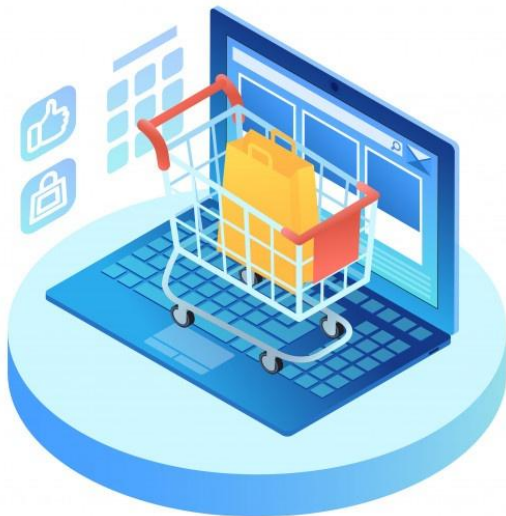
## Challenge

INTCOMEX is always working on enhancing its processes and approached Rootstack with the requirement to improve the speed and capacity of its infrastructure, as well as enhance the stability of its e-commerce systems.

## Our solution

To achieve this, what we did for INTCOMEX was to set up a high availability system for them. That means you avoid a single point of failure because a system, a website, is usually made up of multiple elements. For example, you have the web servers where Magento runs, the database where the data is logically stored, you also have the caching systems to make the website faster, among other aspects.

First, we helped the company make their websites faster and eliminate that single point of failure, to make the system highly available, where each part of the system now has multiple instances, and if one fails, then the system will go on working normally and stable since it does not depend on a single point.



## Technology

The technology we used in this project was Azure, why? Because the client has all its infrastructure mounted on Azure, given the efficiency of this tool. In this project we use the following functionalities:

- Azure Mysql (database)
- Azure VM (web servers)
- Azure Redis Cache (user's cache)
- Varnish for cache



**Azure provides security and quality to all companies that decide to build solutions in the cloud, whether in an on-premises environment, a hybrid environment or multicloud.**

### Azure Benefits

- Developers can share code, track work being done, and ship software with modern development services, Azure explains on its website.
- It offers the ability to build and deploy modern applications using serverless containers.
- Unify on-premises, hybrid, and multicloud infrastructure.
- You can build and scale applications with Kubernetes.



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It also offers solutions in areas such as Artificial Intelligence and machine learning, Computing, Containers, Hybrid and multi-cloud solutions and solutions related to the Internet of Things (IoT).

If you are concerned about security when working in the cloud, Azure is a service from Microsoft, a company that is committed to security, trust and transparency in its platforms. It meets the highest safety and quality standards, which is why our team chooses this tool for their projects.

***Start the digital transformation of your company right now, using cloud technologies such as Azure. Do you need experts in this tool? Contact Us!***