Globant
Telemetry
Car Industry
UNLOCK YOUR CAR

Executive Summary

This company is working on a real-time unifying platform for connected vehicle data. It aims to empowers the automotive industry with new experiences and possibilities.

Customer Challenge

Every vehicle can evolve with you because it is capable of receiving continuously and automacally updates. The customers have real-time telemetry, can manage their cars with excellent precision, and can develop new experiences.

This company captures vehicle data at unprecedented support for millions of cars and mobility services worldwide.

To face this challenge, Globant`s client chose Amazon Web Service as the best platform to answer its requirements regarding high availability, redundancy, low latency, and scalability, among others.

Partner Solution

The real magic happens in automation process: the company generates pipelines based on its infrastructure as code (e.g., AWS-resources, k8s-clusters), automatically creating pipelines for new accounts or clusters. The developed pipelines consist of 4 jobs per account/ environment/AWS-service: plan → apply → detect_drift → nightly_plan. To do that, the company generates all the infrastructure as code using Terraform.

About the Telemetry Car Industry

One of the main challenges with operating an automotive-focused cloud computing platform is the need to ensure isolation between datasets originating from different Original Equipment Manufacturers (OEMs). Various unique identifiers of device information in the data surfaced from these customers require strict isolation across datasets, environments, and computing resources to ensure fidelity of data and mitigation of overwrites.As we keep solving these challenges, we expect the business to evolve continuously to become the future platform for automotive applications.

AWS services include EC2, S3, IAM, EKS, WAF, VPC, CloudWatch, SCP, Organization, RDS, among others. It is important to remark that the scalable AWS platform is the base for implementing this automated solution. Because this product is native “as a service,” the company choose AWS because their security feature came up as superior at the spike moment in the starter phase.

From the infrastructure side, the company deploys most frequently using terraform. For security, the customer implemented terraform validator. SecEng team executes scout suite analysis every three weeks to improve its AWS infrastructure. Most of the findings are related to improvements or alignments with best practices. In addition, the car industry company pays a license of Qualys to perform the Vulnerability Management of Operation System of the AWS host. To manage all the findings and track their progress, the company uses PivotalTracker. Last but not least, the login in AWS is a single sign-on through Okta.

Results and Benefits

The company offers this service to one of the world's most significant car sales locations. They sell this product for truck fleet or high-level assurance, and they monitor the car's number through the computer, geolocalization.

The company began as a start-up in the United States and was then acquired. Nowadays, the company merged some open source solutions and others for the market's best provider. One of them is AWS.

The customer saved 25% of the implementation time with the current AWS environment. Our customer is close to the level of automation, quick deployment, and high speed set at the beginning. Regarding security, AWS security service improves the secure performance, and the platform allows integration with third parties solutions.

AWS allows them to have a holistic solution using the same technology for all regions like Latin America and North America.

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 have more than 24,500 employees and we are present in 19 countries 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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