



Government's app for transit permit - Cuidar

Fast cloud deployment
and scalable solution



Customer Challenge

In the wake of the COVID-19 pandemic, the government of Argentina had to react quickly and build new capabilities to prevent transmission and help with contact tracing.

Within weeks they had to launch web and mobile applications. They had to iterate quickly, rapidly build, and deliver features to have a positive impact and prevent the spread of the pandemic. Due to data sensitivity and unpredictable traffic patterns, the applications had to be secured and scalable.

Solution

In these two weeks of work, we implemented a solution using Amazon EKS and Amazon DynamoDB to enable an auto-scalable infrastructure. We also used AWS Lambda and Amazon Kinesis to create a real-time data anonymization workflow to comply with regulations required by the government.

The team developed a CI/CD pipeline using AWS CodeBuild and GitHub to automate the building

and deploying of the components in the different environments, reducing manual intervention and release more frequently without compromising quality.

Using AWS CloudFormation, we implemented an Infrastructure as Code approach to make the deployments to the production infrastructure safer and predictable, decreasing the risk of errors induced by manual misbehavior.

Results and Benefits

Globant, in its technical capacity and experience in this type of solution, managed to develop a minimum viable product in two weeks due to the urgency of centralizing and regularizing the transit of citizens during the pandemic, compared to months in similar applications.

The solution can support, at its peak, 3,000 to 5,000 requests per minute with a scalable architecture. Additionally, the automated pipeline helped reduce the delivery of new features from hours to minutes. Finally, the security of sensitive information in real-time in all the different functionalities of the solution was guaranteed, complying with the mandatory government regulations.



About Globant

Globant is an IT and software development company that operates in Argentina, Colombia, Uruguay, United Kingdom, Brazil, United States, Canada, Peru, India, Mexico, Chile, Costa Rica, Ecuador, Spain, France, Germany, Romania, Italy and Belarus.

Globant's CloudOps Studio brings together experts in cloud technologies. Our global team supports all regions with over 600 AWS Certified Cloud Solutions Engineers, and has supported over 500 AWS projects, including a dedicated Gaming Studio provided by AWS and cloud operations for both large AAA publishers and small independents with profitable teams abroad.

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