Location World

Fortify supports high-quality application release with less expense and effort.

LOCATIONWORLD

Who is Location World?

Location World is the leader in providing telematic solutions, fleet management, and connected car technology for the automotive, security, logistics, and insurance industries. With clients in 10 countries across LATAM and Spain, the company works with more than 6,500 customers, including YPF, Entel, AVIS, AB InBev, and Prosegur. Its telematics solutions connect more than 75,000 vehicles, generating insights that empower companies to optimize their vehicle fleets and better understand driver behavior. The company aims to make a difference for its customers:

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Jaime Baracaldo
CIO
Location World

it wants not only to track vehicles but also to create useful sources of information for users.

Securing a Growing Application Landscape

Location World has established strategic alliances in the region with big players in the market with innovative and disruptive B2B and B2B2C business models connecting thousands of vehicles and Internet of Things (IoT) devices, with several use cases for different industry segments that help them in its day-to-day operations to maximize their efficiency and return on investment (ROI) in less time. In the words of CIO Jaime Baracaldo, the company generates and implements powerful "Telematics Mega Ecosystems" with highest add value throughout digital transformation and Internet of Things (IoT) with PaaS and SaaS solutions around the world generating high impact.

To develop and deploy its array of web and mobile applications and microservices, the company counts on an in-house development team that follows an agile, DevOps approach. As Wilson González, DevOps Manager at Location World, explains: "In total we have 789 microservices and 460 pipelines, so you can imagine the

At a Glance

Industry

Technology

Location

Quito, Ecuador

Challenge

Find a more efficient way to identify and remediate vulnerabilities across a growing portfolio of applications and microservices

Products and Services

Fortify on Demand
Fortify Static Code Analyzer

Success Highlights

- Saves time and money by detecting vulnerabilities earlier in the development lifecycle
- Enables delivery of higher-quality applications to clients
- Boosts developer efficiency, helping teams keep pace with rising workloads
- Strengthens Location World's global recognition as a trusted software provider using cutting-edge technologies based on best practices and world-class standards and frameworks

transaction volumes that we generate day by day."

Delivering applications and microservices with the highest levels of quality, stability, and security has always been a top priority for Location World. However, with development workload continuously growing, the company was keen to adopt a more scalable and rigorous approach to managing application security.

González continues: "We've always been trying to innovate in terms of security. Our first beginnings were manual. Then, we introduced a cloud-based code quality and security tool. As our operations grew, we found ourselves reaching the limits of this tool. We needed something more, and that's why we decided to look for a solution that supported both static (SAST) and dynamic (DAST) analysis integrated with our DevOps pipelines."

Finding the Right Solution
Supported by longtime partner Telefónica, Location World launched the search for a solution, and soon homed in on CyberRes Fortify: a unified vulnerability management platform that integrates static, dynamic, and mobile application security testing with continuous application monitoring.

Not only was Location World impressed by Fortify's comprehensive, enterprise-grade application security capabilities, CyberRes also offered strong local-language support, which proved to be a key differentiator.

Following a promising proof-of-concept, Location World moved ahead with an

implementation of Fortify on Demand—an application security-as-a-service solution running in the CyberRes cloud—and Fortify Static Code Analyzer, deployed in the company's private Microsoft Azure and Google Cloud environment.

Throughout the implementation, Location World was able to count on strong support from both Telefónica and CyberRes. Baracaldo confirms: "We received effective sales and technical support from CyberRes, which set the tone for a smooth and successful implementation. Telefónica specialists had great knowledge and gave us their guidance about the Fortify tools and how to best integrate them with our processes."

Integrated, Automated Application Security Testing
Today, Fortify Static Code Analyzer is integrated seamlessly with Location World's Integrated Development Environments (IDEs)—Microsoft Visual Studio, Android Studio and Xcode—as well as its Azure DevOps integration platform, used to create build and deployment pipelines. Fortify Static Code Analyzer pinpoints the root causes of security vulnerabilities in source code, prioritizes results sorted by severity of risk, and provides detailed guidance on how to fix vulnerabilities. Alongside this, Location World uses Fortify on Demand to perform final checks on code before it is released.

Baracaldo explains how the Fortify solutions are used on a day-to-day basis: "When a developer launches an upload for DevOps to the pipeline, Fortify Static Code Analyzer automatically launches the vulnerability analysis and shares the results with our

Security Operations Center (SOC) in real time. After that, the SOC then carries out the dynamic analysis process with the Fortify on Demand module to certify whether or not the code passes. If it does not pass, there is no approval to go to production and an analysis with the development team is required to fix the detected vulnerabilities before SOC can retest and approve publishing any code to the production environment."

Delivering Secure Software, Fast
With Fortify now integrated into its development cycle, Location World can scan for software vulnerabilities in parallel with development processes and fix any issues as they arise. The CyberRes solution is helping both development and security teams work more productively, and has steadily driven down the number of potential vulnerabilities identified during development.

"Fortify allows us to analyze a greater volume of code in a much more agile and rapid way," notes Gonzalez. "Now, our pipelines usually reach me without vulnerability errors because they've already been detected up front in the development process."

Gabriel Ayala, SOC Manager at Location World, adds: "Fortify has helped our development team to substantially improve the way they identify and mitigate vulnerabilities in code. We can also replicate these improvements in other applications, which contributes to higher-quality code across the entire organization."

Comprehensive vulnerability management gives Location World the confidence that it is releasing highly secure and reliable

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Wilson González
DevOps Manager
Location World

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applications. In turn, this is helping the company strengthen its global recognition as a trusted software provider.

Baracaldo concludes: "Many of our clients also have a control process where they perform their own vulnerability analysis, so they've been able to see first-hand the improvements that we've made since introducing Fortify. It's a very positive situation for everyone: our clients have greater peace of mind about the applications they're using, and we grow our recognition as a global provider of high-quality, secure software."

CyberRes
A Micro Focus Line of Business