**Checkmarx**

# ForgeRock Selected AppSec Accelerator to Shore Up Their Internal Security Practices

**ForgeRock®**

**Industry:** Software Development

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We had been using an open source application security testing tool, but it wasn't powerful enough for us and we experienced a large volume of false positives. We were maturing as an organization, had a large codebase, and numerous tools, and needed an evolved and higher performing tool to support our shift left security model.

— **Derek Hill, Director of AppSec Engineering, ForgeRock.**

## The Need: Automated Security Across the SDLC —Without the Hosting Headaches

More than a thousand global brands—from the largest financial institutions, major manufacturers, and prominent media companies to critical government agencies—trust ForgeRock to securely connect their people, devices, and systems in today's IoT world.

The organization has accelerated its cloud journey to deliver a highly scalable, 100% cloud-based platform for managing all types of identities and their access—on premises, in the cloud, and in hybrid environments alike. As part of this push, the ForgeRock information security team took proactive steps to strengthen its security posture to reduce software risk, enhance customer satisfaction, and uphold its brand reputation.

Since speed is the name of the game when it comes to software development and application security testing (AST), Director of AppSec Engineering, Derek Hill, sought an enterprise-grade software security platform that could help developers identify and address security issues earlier in the software development lifecycle (SDLC)–instead of the end when design changes become more complex, time-consuming, and costly.

## The Solution: Software Security Built for CI/CD and Powered Over AWS

Comprising two directors and four engineers, the small-but-mighty ForgeRock security team needed a better approach, allowing them to streamline application security responsibilities, ensure a consistent application assessment process, and minimize operational overhead. A rock-solid cloud infrastructure that ensures continuity, scalability, and security was also a must.

The team evaluated a number of cloud-based AST offerings and ultimately selected Checkmarx's AppSec Accelerator, a Managed AST solution hosted in a secure Amazon Web Services (AWS) environment. Using AWS Virtual Private Cloud (VPC), a private, isolated, single tenant ecosystem for ForgeRock is ensured.

Using Amazon's VPC, Elastic Cloud Compute (EC2) platform, Relational Database Service (RDS), Systems Manager, CloudWatch, and Workspaces allows Checkmarx to deliver one of the most operationally secure, highly available, and exceedingly functional cloud-based AST offering for organizations of all sizes.

Once ForgeRock selected Checkmarx, a dedicated team of security experts examined ForgeRock's business and technological needs, performed application-specific threat modeling, and worked closely with their security team to implement a relevant, impactful, and comprehensive software security solution that is:

- Automating and integrating security throughout their SDLC.

- Streamlining the time and resources needed to effectively manage their risk.

- Operated by best-in-class experts who are experienced developers themselves.

- Built upon industry-leading, award-winning Checkmarx AST technology.

**aws** partner network

**Advanced**
Technology
Partner

Security Competency

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" Sometimes you need someone to press the 'power' button. Moving to the cloud makes infrastructure headaches someone else's problem — and fully supports our Mac and Linux-based organization. With the Checkmarx SaaS solution on AWS, we have the flexibility to pay as we go, while elevating our security by running on one of the world's most secure cloud computing environments.

**— Derek Hill**

Through a combination of industry-leading scanning technologies, experienced practitioners, and optimized processes, AppSec Accelerator enables organizations like ForgeRock to quickly and effectively set up—and ramp up—their AppSec program.

## The Results: Shifting Left Enables DevSecOps for Agile Development

With Checkmarx, the ForgeRock team has embedded software security into its entire CI/CD pipeline. By shifting left and enabling automation across every step of the software development lifecycle (SDLC), the team can identify, prioritize, and fix more vulnerabilities faster and earlier—while avoiding costly delays.

The ForgeRock team has also integrated Checkmarx solutions with several tools like Jira, a bug and issue tracking system. With a single click of a button, the team can open up a bug-related ticket directly in Jira and deliver them to developers, along with the context necessary to fix code issues and mitigate the vulnerabilities detected, without slowing down workflows.

" In our continuous integration and delivery pipeline, speed matters. Having the ability to analyze code before its compiled is huge for us—particularly since nearly 85% of our code is written in Java.

**— Derek Hill**

By implementing Checkmarx AppSec Accelerator and embedding a common set of security practices across the development process, ForgeRock has brought its security and development teams into closer alignment, resulting in stronger security that aligns with their business requirements.

" With Checkmarx as part of our security toolset, we've changed our processes for the better. In the past, each product team had their own security person, each doing their own thing. Deploying a centralized tool has helped us establish a common chain of processes. Today we meet weekly or even more frequently to discuss issues we're seeing and how we'll tackle them together with automation.

**— Derek Hill**

**Software = Security**

### About Checkmarx

Checkmarx makes software security essential infrastructure, setting a new standard that's powerful enough to address today's and tomorrow's cyber risks. Checkmarx delivers the industry's only comprehensive, unified software security platform that tightly integrates SAST, SCA, IAST and AppSec Awareness to embed security into every stage of the CI/CD pipeline and minimize software exposure. Over 1,400 organizations around the globe trust Checkmarx to accelerate secure software delivery, including more than 40 percent of the Fortune 100 and large government agencies. Learn more at Checkmarx.com

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