Sumo Logic
Case Study

Sumo Logic provides a continuous intelligence platform, with log management and analytics services that deliver real-time IT insights. With more than 2,000 customers ingesting data at scale, Sumo Logic enables cloud companies and big enterprises across every business sector, from financial to health care, government to manufacturing, to make better decisions.

Containers and k8s - getting out in front of security
Sumo Logic runs entirely in the cloud, offering multi-tenant SaaS services to its customers. Sumo is aggressively moving workloads to containers and Kubernetes – about 80% of its apps will be containerized soon.

In adopting the cloud-native stack, the company realized it needed to implement security as it was building its app dev environments. "People make the mistake of waiting to do security until things are in production," says George Gerchow, Chief Security Officer at Sumo Logic. "That's too late. You just cannot wait for security. We got way out ahead of it, working with our security, engineering, and sales teams to get everyone in the loop on how to secure containers and Kubernetes."

"We assume all the data we store is sensitive," continues Gerchow, "and it's all highly regulated within standards set by ISO 27001, PCI, HIPAA, SOC 2. Any new tech poses new risks, so every team here is focused on security."

The power of a Kubernetes-native architecture
When looking for a solution for container security, Gerchow focused on two requirements – scale and transparency. "StackRox stood out early on," he

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Sumo Logic is a continuous intelligence, big data platform delivering real-time insights as a service.

Headquarters:
Redwood City, CA

Founded: 2010

Environment:
AWS, Kubernetes

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"People make the mistake of waiting to do security until things are in production. That's too late. StackRox helps our DevOps teams build as securely as possible."

– George Gerchow, chief security officer

notes. "The fact that it natively deploys in Kubernetes, the world's biggest platform, means that it fits right into our architecture. And it helps our DevOps teams build as securely as possible, right from the start of the CI/CD cycle." Leveraging Kubernetes means StackRox delivers on Sumo's requirements – it scales with Kubernetes, and every Sumo team works off a common set of policies, which reside directly in the infrastructure, in Kubernetes.

"It's amazing to see the adoption of StackRox across all the Sumo teams," continues Gerchow. "Now they don't have to piecemeal together a bunch of solutions – StackRox does it all out of the box, and it's laser-focused on the right set of solutions for protecting our Kubernetes apps."

Operationalizing container security with StackRox

The StackRox deep integrations with Kubernetes help Sumo Logic's DevOps and Security teams operationalize security, simplifying the process of protecting its customers' data. Sumo Logic is tapping StackRox to satisfy a broad set of security use cases, including:

- **Vulnerability management** – StackRox delivers the advanced vulnerability management that supports Sumo Logic's philosophy to enforce security policies across the entire life cycle based on vulnerability information – at build time with CI/CD pipeline integration, at deploy time using dynamic admission control, and at runtime with its Kubernetes-native enforcement.

- **Compliance** – StackRox provides the automated and on-demand controls that Sumo Logic needs to support and demonstrate compliance with industry standards to protect sensitive customer data.

- **Configuration management** – Sumo Logic is using StackRox to proactively identify misconfigurations across images, containers, clusters, Kubernetes, and network policies, preventing accidental exposures.

- **Risk profiling** – StackRox leverages Sumo Logic's Kubernetes details to assess risk across Sumo's entire environment and stack-rank deployments so DevOps teams know what to fix first.

StackRox

StackRox helps enterprises secure their containers and Kubernetes environments at scale. The StackRox Kubernetes Security Platform enables security and DevOps teams to enforce their compliance and security policies across the entire container life cycle, from build to deploy to runtime. StackRox integrates with existing DevOps and security tools, enabling teams to quickly operationalize container and Kubernetes security. StackRox customers span cloud-native start- ups Global 2000 enterprises, and government agencies.

LET'S GET STARTED

Request a demo today!
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