CASE STUDY · QUICK-SERVICE RESTAURANT CHAIN

Enhancing Kubernetes Governance and Compliance on AWS

A leading quick-service restaurant chain streamlined its governance and compliance processes across multiple Amazon EKS clusters with Nirmata Control Hub, the Unified Governance Platform.

CUSTOMER	FOOTPRINT	PLATFORM	PRODUCT	PROOF OF CONCEPT
Major quick-service restaurant chain	Thousands of locations in North America	Multiple Amazon EKS clusters	Nirmata Control Hub, on existing Kyverno	Value assessed within two weeks

§01 CHALLENGE

Opportunity

A major quick-service restaurant chain with thousands of locations in North America wanted to enhance its Kubernetes governance and compliance processes. As their Amazon EKS clusters grew, managing and securing these environments became increasingly complex.

Teams responsible for different areas, such as security, operations, and platform engineering, lacked visibility into each other's activities. This led to fragmented governance, slow issue resolution, and increased risk of misconfigurations, which are the leading cause of Kubernetes security incidents. The restaurant chain faced several challenges:

- With multiple teams using different tools, gaining a comprehensive view of the cluster compliance state was difficult, leading to slower incident response times.
- As Kubernetes environments grew, misconfigurations became more common, increasing security risks.
- The teams relied on manual processes to enforce policies, leading to inconsistencies and delays.

The company needed a centralized governance solution to automate policy enforcement and remediation processes, improve collaboration across teams, and provide real-time visibility into policy compliance.

§02 SOLUTION

Solution and implementation

The company adopted Nirmata Control Hub to automate and streamline governance processes across its clusters. The solution built upon the company's existing usage of Kyverno, an open-source policy engine, and introduced additional enterprise capabilities:

- **Enhanced policy visibility.** By consolidating data from various tools into a single pane of glass, the platform enabled role-based visibility.
- **Automated compliance.** Policies could be enforced automatically across all clusters, reducing the potential for misconfigurations.
- **Policy exception management.** The platform provided the ability to easily create, track, and deploy policy exceptions across environments, streamlining the approval process.

After discussions with Nirmata, the company decided to trial Nirmata Control Hub for Amazon EKS. Within two weeks, it was able to assess the solution's value through a proof of concept. The implementation involved:

- **Automating policy-based governance.** The platform was integrated with existing cloud-native tools, providing a unified security and governance framework.
- **Streamlining policy exceptions.** Policy exceptions were tracked and managed centrally, simplifying the workflows across teams.
- **Enhanced collaboration.** Role-based access allowed security, operations, and platform teams to collaborate more effectively while maintaining governance standards.

§03 RESULTS

Outcome

After implementing the policy management solution, the restaurant chain saw immediate improvements in governance and compliance. Key outcomes included:

- **Faster remediation.** The platform's automated exception management and policy enforcement capabilities reduced the time required to remediate issues.
- **Improved team collaboration.** Different teams could work more cohesively by accessing the same policy data, leading to better decision-making and faster responses.
- **Reduced security risk.** Automated enforcement of Kubernetes policies helped reduce misconfigurations, improving the overall security posture of the company's EKS clusters.

§04 NEXT STEPS

Next steps

The company plans to continue scaling its Kubernetes environments and further integrate the policy management platform with other DevSecOps tools to enhance security automation and maintain compliance across new cloud-native applications.

nirmata

Nirmata created Kyverno, the CNCF graduated policy engine for Kubernetes. We help platform and security teams govern clusters, workloads, and AI agents with policy as code.

TALK TO THE KYVERNO MAINTAINERS

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