Transforming Software Delivery for Global Financial Services with OpsMx Spinnaker

A global payments and financial services company's core business demands secure, stable, predictable, and timely application releases. Here is how one such company transformed their software delivery practices with Spinnaker and a migration to OpsMx support, services, and software extensions.

Background and Challenges – Spinnaker with Armory

- Initially implemented Spinnaker working with Armory.
- Resistance from developers due to perceived complexity and lack of integration to other developer tools.
- Limited scope of deployment due to cost and inflexibility of the Armory licensing model.
- Support capabilities lacked broader understanding of application, cloud, and DevOps environment, resulting in frustration and delayed resolution of high-priority issues.
- Company initiative to migrate applications from on-prem to AWS required Spinnaker enhancements that Armory was not able to provide.
- Additional requirements for compliance and access controls not supported by Spinnaker or Armory.

Spinnaker Today with OpsMx

- Enhanced support with rapid response from a team that understands Spinnaker as well as applications, cloud platforms, and DevOps.
- Assigned OpsMx technical resources provide continuity and deep understanding of the customer's operations.
- Smooth integration with Kubernetes Operator and other essential tools used by developers.
- Increased developer adoption and confidence in using Spinnaker.
- Automated compliance reporting and policy enforcement.
- Significant improvements in CI/CD processes, leading to increased productivity, security, and compliance.

Key Spinnaker Enhancements

Migration to OpsMx enabled the following improvements to the software delivery process:

- CI/CD Optimization: Isolated Continuous Integration (CI) from Continuous Delivery (CD), allowing rapid deployment of Docker images and reducing build times.
- Developer Self-Service: Implemented RBAC in Spinnaker to enable secure, self-service deployment pipelines.
- DevOps Integrations: Integrated Spinnaker pipelines with developer tools such as Jenkins, Artifactory, and Jira.
- AWS Migrations: Enhancements to Spinnaker implementation to address AWS rate limiting issues, allowing migration of additional applications from on-prem to AWS.
- Automation and Policy Management: Integrated Open Policy Agent (OPA) for policy management, ensuring compliance and security.

Armory to OpsMx Migration Process

- Conducted extensive testing and validation of OpsMx platform over twelve months to assess compatibility and support capabilities before deciding to migrate.
- Joint migration planning with customer and OpsMx team.
- Actual migration from Armory to OpsMx completed over one weekend to avoid pending renewal of Armory support and license.
- No disruption to developers and users – OpsMx Spinnaker operations and interfaces were 100% compatible with previous Armory Implementation.

Feature	With Armory	With OpsMx
Support	Slow response, unresolved issues	Rapid, proactive support
Developer Adoption	Low due to complexity	High with self-service and RBAC
CI/CD Process	Combined CI/CD, lon build times	Isolated CI/CD, rapid deployments
Policy Management	Manual, limited compliance	Automated with OPA, high compliance
Scalability	Limited by expertise and support	Scalable with Kubernetes Operator integration
Value Realization	Initial frustration and limited adoption	Sustained productivity, compliance, and support

ABOUT US

OpsMx simplifies and intelligently automates secure software delivery, enabling hundreds of thousands of developers at Google, Cisco, Western Union, and other leading global enterprises to ship better software faster. OpsMx is the first platform specifically designed to securely deploy applications in container, virtual machine, and multi-cloud environments.

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