



OpsMx Spinnaker Center Of Excellence

Solution Brief



Focus on What Matters Most for Your Business

Managing a successful CI/CD and Spinnaker environment can be difficult, especially when dealing with growing demand, shorter release cycles, and competing requests. The rest of the organization wants to ship more software faster, while your team might struggle to keep up with the demands of daily operations. How do you increase the adoption of Spinnaker and CD best practices when there is so much else to do?

Reducing the burden on your DevOps/SRE teams doesn't have to be difficult. The OpsMx Spinnaker Center of Excellence (COE) offers custom development and consulting services to accelerate open-source Spinnaker adoption, delivered by a skilled team of experts in Spinnaker, CI/CD, and Cloud Engineering. The Spinnaker COE frees up resources so you can focus on tasks that most matter to your business while guaranteeing that your CD platform is secure, robust, and efficient.

Key Benefits

- 01** Unparalleled Spinnaker scalability, reliability, and security.
- 02** Custom feature development and integration, Get fixes quickly, according to your timeline.
- 03** 24/7/365 expert support mitigates open-source risks for smooth business operations.
- 04** Optimize open-source Spinnaker with enterprise scale best practices.



Scalability, Reliability, and Security

When it comes to large Spinnaker environments, scalability, reliability, and security are key. OpsMx's Spinnaker COE provides services and guidance to help clients in all three areas.

OpsMx's COE scalability services are built on OpsMx's direct experience with some of the world's largest Spinnaker deployments, scaling to thousands of users and pipelines over multiple cloud platforms. As Spinnaker deployments grow, so does the importance of their availability. OpsMx reliability services can design and implement high availability and disaster recovery deployments for Spinner, on-prem or in the cloud.

Increased focus on software supply chains is driving new attention to the security of the software delivery process. As a first step, OpsMx COE works with customers to ensure full integration to enterprise security systems and processes such as SSO or OAuth, with a particular focus on RBAC. Key security policies can be configured directly into and enforced by Spinnaker pipelines, capturing a full audit record of policy compliance. On an ongoing basis, OpsMx validates and hardens new open source Spinnaker release before deployment by customers.

Spinnaker COE Case Study: Global Financial Services

For a global financial services company, software is the core of its business operations. Spinnaker has and continues to serve them well for their frequent software releases. As Spinnaker usage has grown, so has the need for security, compliance, and availability.

The OpsMx Spinnaker COE worked with the customer to design and configure a large-scale, highly available Spinnaker implementation. In response to financial services compliance requirements, OpsMx worked with them to enforce RBAC policies to Spinnaker deployment pipelines and capture a complete audit record of all software deployments. Today the COE continues to provide 24 × 7 support.



Increase Scalability

Expand your codebase and user base without extra effort or cost



Improve Feature Velocity

New features and fixes on your timeline



Cost of Operations

Contain costs of usage as requirements grow



Harden Security

Continuous attention to vulnerabilities fixes



Improve Developer Experience

Enable GitOps and other developer productivity strategies.



Integrate New Platforms

Interoperate with emerging tools like ArgoCD

Custom Development and Integration

OpsMx's Spinnaker Center of Excellence offers tailored, custom development and integration services. Our team of experts is experienced in developing new open-source Spinnaker features to your specifications, integrating third-party and in-house tools, and implementing fixes to CVEs.

Enterprise Spinnaker users may find that their unique feature requirements are not addressed by the ongoing work of the Spinnaker open-source community that focuses on more broadly adopted capabilities. The Spinnaker COEs engineering team regularly contributes code to open-source Spinnaker for features developed on behalf of COE customers. An OpsMx project manager works with you on detailed specifications and design. Once developed, OpsMx can create a custom build that includes the new feature along with open-source Spinnaker.

The DevOps toolchain is an integral part of the software delivery process. If Spinnaker does not currently support one of your preferred tools, then we can help. Custom integrations can connect DevOps tools to Spinnaker pipelines to orchestrate the usage of those tools, such as security scans, or collect data from them. Rather than change the tools already used, orchestrate their role in the delivery process.

OpsMx is a leader in open-source contributions to Spinnaker, and we proudly hold a seat on the technical advisory committee. With your permission, we can submit your custom Spinnaker updates to Open Source Spinnaker, which will help ensure that Spinnaker innovation continues for the long term.

Spinnaker COE Case Study: Global Technology Company

A global technology company embarked on a multi-year migration from an expensive legacy software delivery solution to a new solution based on Spinnaker.

The OpsMx Spinnaker COE worked with the customer to extend the capabilities of Spinnaker to match their unique requirements. This included custom integrations to each of the public and private cloud platforms used by the customer, making it possible for developers to simply select their target platform and have their software automatically deployed. As growing demands hit the performance limitations of Spinnaker Clouddriver service, OpsMx worked with the customer to create Stormdriver, a new service for Clouddriver specially developed to provide global scaling and security.

Enterprise Availability and Support

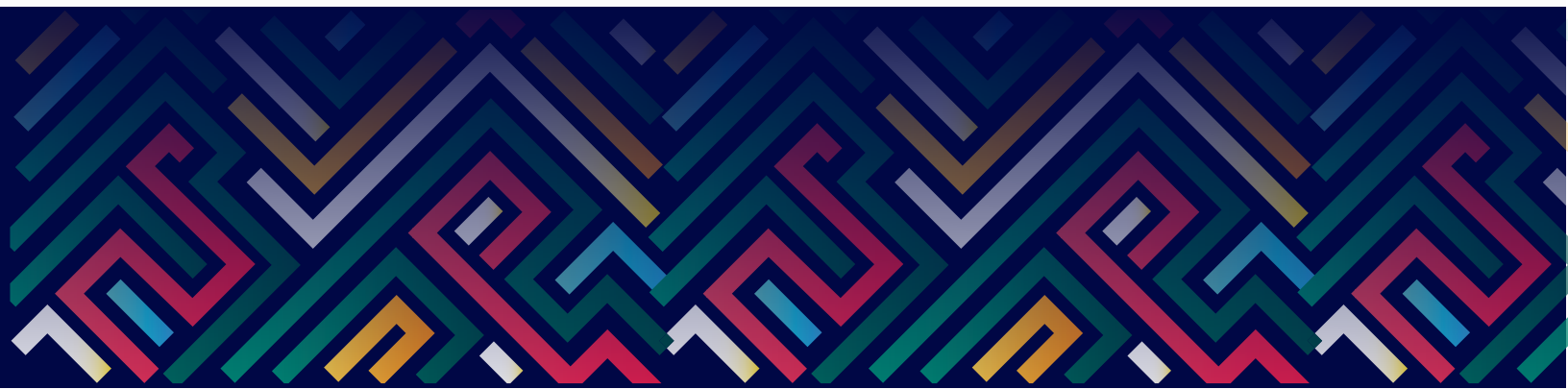
OpsMx COE offers 24×7 support, ensuring maximum uptime and minimizing downtime. We understand the importance of business-critical security and support, which is why we provide comprehensive Tier 1-3 support with defined SLAs. Our support package includes OSS Spinnaker vulnerability scans and security fixes to secure your deployments. Trust OpsMx COE to keep your Spinnaker deployments running at peak performance with our enterprise-grade availability and support.

For organizations that want to move away from the burden of ongoing Spinnaker operations, the Spinnaker COE team can provide ongoing monitoring, operations, and maintenance of your implementation to keep it running smoothly.

Spinnaker COE Case Study: Global Cloud Provider

A leading cloud provider is a long-time user of Spinnaker internally, as well as offering Spinnaker to their customers. As Spinnaker usage has increased, they were looking for ways to better support the needs of a growing base of internal and external Spinnaker customers without making additional demands on their team.

The OpsMx Spinnaker COE now provides ongoing support of Spinnaker on behalf of the cloud provider. This includes validation of new releases, fixes to Spinnaker CVEs, and development of new features required by customers. All COE work is contributed to the Spinnaker open source project.



Best Practices at Enterprise Scale

As a top contributor to open-source Spinnaker and with experience with large-scale Spinnaker deployments, OpsMx has direct knowledge of the best practices for implementing and operating open-source Spinnaker at scale. Our team can help you gain the rewards of DevOps culture and faster CI/CD processes.

Our best practices support includes a combination of tools, methodologies, processes, and expert resources to ensure your organization yields the maximum benefit from your Spinnaker setup. Best practices can be relevant at any stage of Spinnaker adoption, such as migrating/upgrading to a new release, expanding an existing deployment, onboarding new users and applications, or supporting new compliance requirements. At each stage, OpsMx assesses your current environment and recommends the next steps, including guidance on customization. As needed, we can implement recommendations in your environment on your behalf.

Best practices reduce errors, keep your Spinnaker environment up-to-date, and ensure smooth ongoing operations. Quarterly best practice audits can further ensure your Spinnaker environment runs at peak performance.

Spinnaker COE Case Study: Global Online Retailer

A global online retailer with a longstanding commitment to open source software found itself with an outdated and poorly supported implementation of Spinnaker. Staff turnover and the urgency of day to day operations meant they were running a two-year-old Spinnaker release without the capability to get caught up.

The OpsMx Spinnaker COE delivered a 90 day “get well” project. The project started with a full review and assessment of their existing deployment, from which was created recommendations for upgrade, training, and ongoing operations. The OpsMx team worked side by side with the customer to upgrade their development then production environment. Staff training on Spinnaker and an operations run book provided the tools for the customer to support themselves going forward.

About OpsMx

Founded with the vision of “delivering software without human intervention,” OpsMx enables customers to transform and automate their software delivery processes. OpsMx builds on open-source Spinnaker and Argo with services and software that helps DevOps teams **SHIP BETTER SOFTWARE FASTER.**

