CASE STUDY

Creating a Compliant and Secure DevSecOps Pipeline for an Insurance Provider

The Challenge

An insurance provider with over 100 years of experience insuring employers and employees in California struggled with deployments that required a large staff and took an average of three to four months. The deployment process was largely manual, with inconsistent standardization built on an architecture that was not scalable. There was limited code coverage and version history. Rolling back deployments was cumbersome and cost-prohibitive. Although they used Jenkins, they had not adopted other continuous delivery tools. Because they are in a highly regulated industry, they needed a solution that would be secure and maintain their compliance.

The Goals

The primary objective was to create a comprehensive cloud strategy that would mature them to a point where they had the confidence to deploy feature updates during the day, allowing their customers receive the value delivered early and often. Secondary goals were created to eliminate waste and improve quality

Outcomes

- Created dynamic CI/CD pipeline to improve the predictability and quality of the build process by implementing modern tools (Jenkins, Gitlab, Ansible, Java, Groovy)
- Decreased time to build applications by 95% (from 3 days to 3 hours)
- Improved resource dependencies by 90% for deployments (from 10 people to one)

The Approach

Motion Consulting Group was engaged to assess our client's current DevSecOps process and develop an implementation plan to create a lean build process. The assessment findings determined the need to modernize and automate the current processes focusing on eliminating waste, improving quality, and releasing to production faster.

To meet these goals, key components of the strategy focused on Cloud Migration from on-premise to AWS, migrating applications to a modern CI/CD framework, enabling continuous delivery tools, and implementing Liquibase for database automation. Over the course of the engagement, Motion executed the build automation process for over 100 applications.

Conclusion

By migrating their DevSecOps pipeline to the cloud, our client was able to see a significant improvement in their ability to release and deploy code to production while still maintain a high level of confidence that the builds were secure and met their compliance needs.

If your organization faces similar challenges with building out a comprehensive DevSecOps pipeline, let's connect to explore tailored solutions that meet your specific needs.