

Establishing a robust Enterprise DevSecOps Platform for Streamlined Security & Efficiency

How a Leading Pharmaceutical Services Company Transformed Project Delivery with DevSecOps Best Practices and Automation



Client: Global Leader in Pharmaceutical Services



Build Efficiency



Security Compliance



Branching Strategy



Pipeline as Code



Security as Code

Key Highlights



Build Efficiency

Achieved 3,500–4,000 daily builds with an average build time of 15 to 30 minutes.



Security Compliance

Implemented rigorous security checks (SonarQube, Checkmarx, Wiz, Jfrog-Xray) for every build to ensure security standards are met.



Branching Strategy

Established a consistent branching strategy for all onboarding use cases.



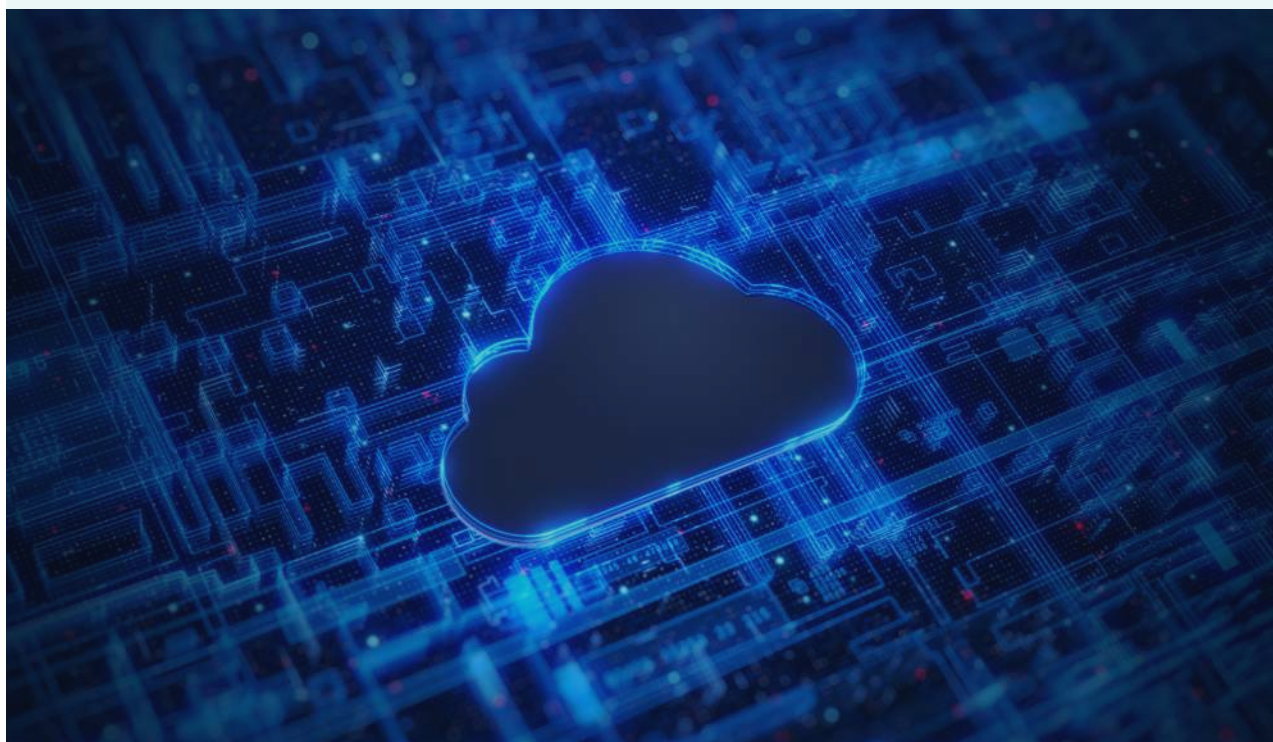
Pipeline as Code

Utilized Jenkinsfiles and shared libraries to automate Jenkins pipelines, enforcing controls and governance.



Security as Code

Integrated vulnerability scanning, particularly SAST, to enhance code security from the start.



Executive Summary

A leading global pharmaceutical services company, known for its innovation and customer-centric approach, faced significant challenges in delivering a comprehensive solution to host multiple projects, products, and use cases. The need for a structured governance model incorporating best practices, processes, frameworks, and policies was critical to ensure efficient platform utilization. To address these challenges, the organization collaborated with Altimetrik to implement an Enterprise DevSecOps platform, leveraging an industry-recommended toolset.

Addressing Pain Points



Inconsistent Security Practices: Inconsistent practices exposed the organization to heightened risks of data breaches and vulnerabilities.



Delayed Software Delivery: Delays in software delivery hindered market competitiveness and customer satisfaction.



Operational Inefficiencies: Inefficiencies led to increased costs and resource wastage.



Difficulty in Scaling: The organization struggled to scale effectively, resulting in performance bottlenecks.



Lack of Visibility and Traceability: Absence of real-time visibility and traceability hindered decision-making and compliance management.



Increased Technical Debt: Accumulating technical debt slowed innovation and increased maintenance costs.



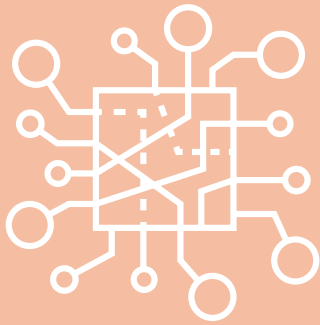
Compliance Risks: Inadequate compliance management exposed the organization to regulatory penalties and reputational damage.



Inefficient Collaboration: Poor collaboration between teams caused delays, miscommunication, and a lack of goal alignment.

Solution

The implementation of an Enterprise DevSecOps platform allowed the company to host multiple use cases, projects, and products. A robust governance model was established to guide the use of the platform, covering industry best practices across process, framework, metrics, policies, and more. This model facilitated seamless onboarding and ensured consistent adherence to standards.



Business Outcomes

Through collaborative efforts with Altimetrik, the company achieved notable business outcomes:

01

Aligned Business Objectives: Integrated sprint planning with DevSecOps ensured consistent delivery of Product Backlog Items, aligning business objectives with product development.

02

Enhanced Quality: Continuous Integration (CI) automated code reviews, builds, and unit testing, embedding quality into the development lifecycle through a "fail fast, fix early" approach.

03

Increased Efficiency: Continuous Deployment (CD) automated the deployment process across all environments, improving efficiency and reducing manual interventions with infrastructure scripts.

04

Improved Testing Accuracy: Continuous Testing ensured that automated testing throughout the sprint provided real-time feedback, making test environments closely mirror production for better accuracy.

05

Optimized Resource Management: Automated environment provisioning through Infrastructure as Code (IaC) enhanced availability and operational efficiency, reducing wait times and improving overall performance.

06

Proactive Issue Resolution: Continuous application and infrastructure monitoring provided real-time analytical feedback, allowing teams to identify and resolve potential issues proactively.

07

Insightful Reporting: Dashboards and reporting established end-to-end traceability, enabling insightful analysis and supporting continuous improvement and platform optimization.



Conclusion

By implementing the Enterprise DevSecOps platform, the global leader in pharmaceutical services significantly transformed its project delivery processes. The integration of DevSecOps practices enabled alignment of business objectives with development, improved quality through automation, and enhanced operational efficiency. Continuous monitoring and reporting ensured proactive issue resolution and provided the insights necessary for ongoing optimization. This comprehensive solution empowered the organization to maintain its competitive edge by delivering secure, efficient, and scalable projects while adhering to industry best practices and governance standards.



About Altimetrik

Altimetrik is a pure-play digital business services company. We focus on delivering business outcomes with an agile, product-oriented approach. Our digital business methodology provides a blueprint to manage data and develop, scale, and launch new products to market faster. Our team of 6,000+ practitioners with software, data, cloud engineering skills help create a culture of innovation and agility that optimizes team performance, modernizes technology, and builds new business models. As a strategic partner and catalyst, Altimetrik quickly delivers results without disruption to the business.