



DevSecOps in Financial Services with JFrog on Microsoft Azure

Accelerate Secure and Compliant Software Releases for Continuous Innovation

CHALLENGES IN FINANCIAL SERVICES SOFTWARE DELIVERY

Regulatory compliance

Adherence to industry regulations, data privacy, and corporate governance requirements is paramount. Rapid software releases require strict control and auditing, making it a challenge to strike a balance between agility and compliance.

Security risks

The financial services industry is a primary target for cybercriminals. Shifting security left in the software development process to identify and address vulnerabilities early and throughout the release lifecycle is critical for financial institutions.

Legacy systems and modern application support

IT infrastructures in financial services tend to be complex, ranging from traditional on-premises data centers to modern cloud deployments. DevSecOps in financial services must scale to manage the complexity of supporting legacy platforms and modern applications, from monolithic to distributed microservices architecture.

Industry technology disruptions

Keeping pace with technological innovations in financial services and remaining competitive requires continually releasing new and updated software to enhance digital services. This is a pace of change the industry historically avoided but now must embrace.

Intensifying customer demands

Customer expectations continue to climb with regard to the digital experience. Customers expect more from their financial services providers, including personalized, feature-rich, fast, and always available offerings.

THE SOLUTION

The **JFrog Software Supply Chain Platform** is an enterprise-ready, automated end-to-end DevSecOps platform, ideal for financial service organizations to achieve trusted software releases from code to production. JFrog is powering entire industries, including 89% of the Fortune 100, and 10 of the top 10 finance companies in the world. JFrog on Microsoft Azure accelerates cloud-native development to help financial organizations achieve digital transformation and deliver innovation with security and compliance from the start.

BENEFITS OF THE JFROG SOFTWARE SUPPLY CHAIN PLATFORM ON AZURE



Holistic security and compliance

- Trusted software supply chain security covering source code and binaries so developers can confidently build knowing their releases are protected from known and unknown threats
- Automated regulatory and governmental compliance with easy SBOM generation
- Granular policies and automated governance across the software supply chain
- Unified ML Model Management with first-party model storage and Hugging Face proxy capabilities with scanning for security and license issues
- Cutting-edge security research and detection from the JFrog Security Research Team to stay protected from emerging threats and methodologies in near-real-time



Infrastructure resiliency and consistency

- High Availability environment to support critical processes and thousands of users and pipelines
- Deployment flexibility across cloud, hybrid, and on-prem environments that scale
- Multi-site Replication and Access Federation for centralized and safe access to a single source of record for artifacts and builds



Improved Developer Efficiency

- Single universal platform for all developer components and build outputs to accelerate development and updates – while meeting security requirements
- Integrations with every major build, testing, and deployment tool
- Truly automated CI/CD processes to maximize delivery efficiency and minimize errors

A UNIVERSE OF TECHNOLOGIES AND PARTNERS

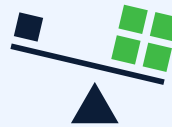
- Azure Resource Manager
- Visual Studio Code
- Azure Kubernetes Service
- Azure DevOps
- Azure Active Directory
- Microsoft Teams
- Plus 30+ development environments

JFROG FOR FINANCIAL SERVICES

JFrog and Microsoft Azure provide developers within the financial services industry with a scalable, secure, central repository of artifacts and packages, which smooths the process of frequent and continuous software releases. This enables an end-to-end secure deployment infrastructure, to accelerate the delivery of software updates while ensuring the highest adherence to strict regulatory requirements.

THE TOTAL ECONOMIC IMPACT OF THE JFROG SOFTWARE SUPPLY CHAIN PLATFORM

FORRESTER®



393%
Return on
Investment



<6 Months
JFrog Investment
Payback



156 hours
Saved by JFrog,
per Year / per
Developer*



30%
Reduced Time
Spent on OSS
Security

JFrog commissioned study by Forrester Consulting.

*Reduced build wait time and mean time
to resolution (MTTR)

JFROG AND AZURE CUSTOMER SUCCESS



We were able to develop a cloud-first strategy for agility and implement security best practices as part of our SDLC with the help of the JFrog Artifactory and Xray. This has enabled us to deliver a more streamlined and empathetic consumer experience.



Head of ASM, a Fortune 100 Life Insurance Company running JFrog on Microsoft Azure



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