docker

SOLUTION BRIEF

Empower developer teams and accelerate innovation at scale for financial services

powered by aws

The financial services industry faces unique challenges:

Regulatory compliance

Cybersecurity threats

The need for operational resilience

Financial institutions are often burdened with legacy systems that are costly to maintain and difficult to scale, complicating their ability to innovate and improve customer experiences. They must navigate complex regulations, protect sensitive data from cyberattacks, and ensure uninterrupted operations. Adopting microservices, OpenBanking, and OpenFinance initiatives adds another layer of complexity, demanding robust, scalable, and secure solutions to maintain compliance, safeguard data, and enhance operational efficiency. Balancing agility and compliance is crucial in addressing these multifaceted challenges.

The Docker and AWS solution:

Docker and AWS provide a comprehensive solution for financial services, addressing these industry challenges. Docker's suite of tools and AWS's scalable cloud infrastructure ensures secure, compliant, and efficient operations, enabling financial institutions to focus on innovation and customer satisfaction. Key benefits include:

Enhanced Security and Compliance: Docker's containerization technology provides strong security features like enhanced container isolation and image signing, ensuring secure application development to meet stringent regulatory requirements such as PCI DSS, GDPR, and CCPA.

Ease of Use and Developer Experience: Docker provides suite of intuitive tools that makes it easy for developers to simplify the process of building, sharing, testing, and running containerized financial services applications, enhancing the overall developer experience.

Seamless Integration and Orchestration Docker's core services integrate with AWS services like Amazon ECS, AWS Fargate, AWS Lambda, and Amazon EC2, optimizing the orchestration and management of containerized applications. This flexibility for various workloads results in simplified deployments and reliable applications expected for critical finance-related use cases.

Comprehensive Monitoring and Observability: AWS services like Amazon CloudWatch and AWS CloudTrail provide extensive monitoring, logging, and auditing capabilities for Docker containers. This ensures full visibility into financial applications and infrastructure, enabling proactive issue resolution and continuous improvement.

Efficient Resource Utilization: Docker Build Cloud reduces build waiting times by up to 39x by leveraging a pair of ARM and AMD builders hosted on AWS. Testcontainers Cloud by Docker removes the need to run containers locally and allows for testing environments on AWS, ensuring consistency across different stages of the software development lifecycle.

Leading financial institution leveraging Docker and AWS



A **multinational bank** adopted Docker for its CI/CD platform and leverages Docker Hub and Amazon Elastic Kubernetes Service (Amazon EKS) to **accelerate its time to market by 50%.** This strategic move also eliminated redundant applications and data platforms, resulting in an **80% reduction in service-related costs.**

Get started today

Take the next step towards transforming your financial services operations with Docker and AWS.



Request a demo

See how Docker and AWS can empower your innovation. Link here.



Contact us for more information

Connect with us at aws-docker@docker.com

Find Docker on the AWS marketplace

Link here.

Unlock the full potential

In summary, the joint Docker and AWS solution empowers financial institutions to streamline operations, reduce costs, and accelerate innovation. Deliver secure, compliant, reliable, and high-performing applications that improve customer experience and drive business growth.