

# Possible Works - Performance Management System Software AWS Migration Success Story

A detailed case study of Hashira's successful migration from Microsoft Azure to Amazon Web Services (AWS), resulting in significantly improved performance, enhanced scalability, and better maintainability for this fintech SaaS platform.



# Cloud Solutions

# Migration Strategy: From Azure to AWS Architecture

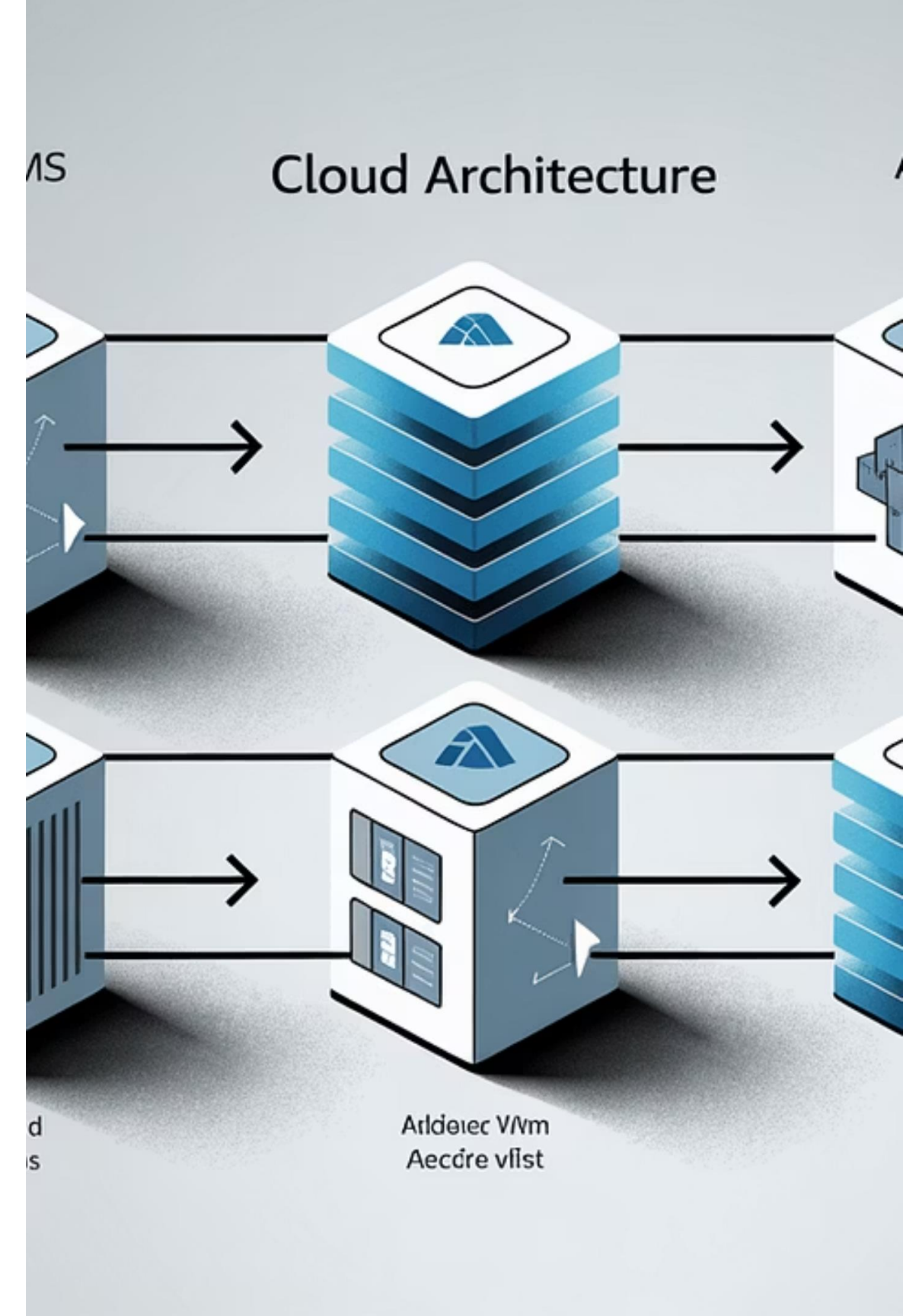
## Azure Source Architecture

Hashira's initial infrastructure included:

- Azure DevOps for CI/CD pipelines
- Azure App Services hosting front/backend
- Azure Container Services for microservices
- PostgreSQL & MySQL databases
- Redis Cache for performance

## AWS Target Architecture

- AWS CodePipeline for CI/CD orchestration
- Amazon ECS (Fargate) with ALB & autoscaling
- AWS Lambda for automation jobs
- Amazon S3 for static content storage
- Amazon RDS for managed databases
- Amazon ElastiCache (Redis) for caching



# Business Impact & Performance Gains

1

## 66% Improvement in API Performance

API latency reduced from 3 seconds on Azure to just 1 second on AWS, significantly enhancing user experience and system responsiveness.

2

## Enhanced Database Performance

Amazon RDS with Multi-AZ deployments coupled with ElastiCache (Redis) delivered faster query processing and optimized throughput.

3

## Accelerated Development Cycles

Integration with CloudWatch and Grafana enabled real-time monitoring, resulting in quicker issue identification and faster incident resolution.

4

## Superior Container Control

Amazon ECS (Fargate) provided granular control over container configurations with seamless CI/CD integration via AWS CodePipeline.

5

## Intelligent Auto-Scaling

Fine-tuned policies based on CPU/memory metrics eliminated cold starts, ensuring consistent performance during traffic spikes.