



STRATEGIC PROJECT REPORT

Stealth Properties

COMMERCIAL REAL ESTATE & CLOUD INFRASTRUCTURE

01 / THE BUSINESS CHALLENGE

Eliminating Operational Overhead and Latency

Prior to AegarTech's engagement, Stealth Properties relied on an unmanaged Infrastructure-as-a-Service (IaaS) model. While in the cloud, the platform suffered from significant performance bottlenecks and high maintenance requirements. The internal team was overwhelmed by manual server management, and the lack of automated scaling led to latency during high-traffic periods. The objective was to modernize the environment to reduce "management fatigue" and optimize cloud spend.

02 / ENGINEERING SOLUTION

Transitioning to Managed Platform-as-a-Service (PaaS)

We architected a full-scale migration from legacy Virtual Machines (VMs) to Azure PaaS environment. By containerizing the application using Docker and deploying it through Azure App Service, we eliminated the need for manual OS patching and server maintenance. The database was transitioned to Azure Database for MySQL, a fully managed service that provides built-in high availability and security hardening. This shift returned control to the developers, allowing them to focus on product features rather than infrastructure upkeep.

03 / INFRASTRUCTURE PILLARS

Key Migration Outcomes:

OPTIMIZED SPEND

Reduced monthly cloud costs by eliminating idle IaaS resources.

ZERO-MAINTENANCE

Automated security patching and maintenance managed by Azure.

HIGH PERFORMANCE

Improved application response times through PaaS-native scaling.

SECURE DATA

Implemented backups and high availability for the MySQL database.

Focus: Shifting from "Infrastructure Management" to "Product Innovation" through managed cloud services.

COMMERCIAL IMPACT

Lower TCO

REDUCED TOTAL COST OF OWNERSHIP & OPS SPEND

High Velocity

FASTER DEPLOYMENT CYCLES VIA DOCKER INTEGRATION

THE AEGAR STACK

Cloud: Microsoft Azure

Compute: Azure App Service

Storage: Azure MySQL (Managed)

Runtime: Docker Containers

RELIABILITY

Leveraging Azure's Service Level Agreements (SLAs) to guarantee 99.9% availability for critical real-estate operations.