

HEXAWARE

Modernizing Shipping Operations with Hexaware's DevOps Implementation Expertise

Case study



Client

- | Client
- Challenge
- Solution
- Benefits
- Summary

A leading shipping company based in the UK, specializing in logistics and supply chain management. After successfully migrating their legacy Windows applications and database components to Azure Cloud, the client sought to implement DevOps practices to optimize operations and enable continuous delivery.



Challenge

Client

Challenge

Solution

Benefits

Summary

The client faced several challenges in improving their operational efficiency post-migration:

Legacy Systems:

Applications were not designed for modern cloud-native architectures.

Deployment Bottlenecks:

Manual deployment processes were slow and prone to errors.

Operational Inefficiencies:

Lack of automation led to higher operational costs and delays.

Scalability Issues:

The legacy infrastructure struggled to handle increased demand during peak times.



Solution

Client

Challenge

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Hexaware designed and implemented a robust DevOps strategy to address these challenges and enable streamlined operations:

CI/CD Pipeline Setup

- Configured Azure DevOps Pipelines to automate build, test, and deployment processes for both applications and databases.
- Integrated unit testing and automated database schema validation during the Continuous Integration (CI) phase to ensure higher reliability.

Infrastructure as Code (IaC)

- Automated the provisioning of Azure resources using ARM Templates and Terraform.
- Ensured consistent environment setups across development, staging, and production environments.

Containerization

- Containerized legacy applications using Docker and deployed them to Azure Kubernetes Service (AKS) for better scalability and high availability.

Automated Rollbacks

- Configured automated rollback mechanisms within Azure DevOps pipelines to ensure seamless recovery in case of deployment failures.



Benefits

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Hexaware’s DevOps implementation delivered transformative results for the client:

85% improvement in deployment frequency.

40% reduction in post-deployment defects.

78% reduction in release cycles.

30% reduction in operational costs.

50% improvement in resource utilization.



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Hexaware partnered with the UK-based shipping company to modernize the legacy systems and optimize operations through its DevOps expertise. By automating workflows with Azure DevOps, containerizing applications with Docker, and implementing Infrastructure as Code (IaC), Hexaware enabled the client to achieve operational efficiency in logistics. The result was a highly efficient, scalable, and reliable system that supported continuous delivery, faster time-to-market, and significant cost savings.



About Hexaware

Hexaware is a global technology and business process services company. Every day, Hexawarians wake up with a singular purpose: to create smiles through great people and technology. With this purpose gaining momentum, we are well on our way to realizing our vision of being the most loved digital transformation partner in the world. We also seek to protect the planet and build a better tomorrow for our customers, employees, partners, investors, and the communities in which we operate. With offices across the world, we empower enterprises to realize digital transformation at scale and speed by partnering with them to build, transform, run, and optimize their technology and business processes.

Learn more about Hexaware at www.hexaware.com.

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