

Modernizing IT infrastructure for a prominent **gas distributor**



Leveraging DevSecOps to enhance cloud migration
and improve operational efficiency

The client is a prominent gas distributor and is considered one of the top five companies in this sector in the United Kingdom. In order to modernize its IT infrastructure and enhance its operational efficiency, the company has initiated a cloud migration program. This program is aimed at reducing the overall operational costs of the company while simultaneously improving the effectiveness of its IT processes. The cloud migration program is one of the key initiatives undertaken by the company as a part of its long-term strategy to streamline its IT landscape and improve its overall business performance. Through this program, the company seeks to leverage the benefits of cloud computing technology and enhance the scalability, flexibility and agility of their IT infrastructure, thereby enabling them to respond to market changes and customer demands in a more timely and effective manner.

The challenge:

The client was facing several challenges that prompted them to seek a DevSecOps platform to adapt to changing business requirements. Some of these challenges include lack of agility, manual interventions, security concerns, integration challenges and lack of automation.

The client's current technology stack was isolated, which made it challenging to implement changes swiftly in response to changing business requirements. This lack of agility resulted in delayed decision-making

and missed opportunities. The client's existing infrastructure required manual interventions, which were time-consuming and prone to errors. This led to operational inefficiencies and increased costs. The client's applications were not adequately secured and there was a lack of DevSecOps measures in place. This puts the organization at risk of security breaches, which could lead to significant financial losses and reputational damage.

The Objective:

The client had expressed a desire to swiftly adapt to changing business requirements through the use of a DevSecOps platform by transitioning numerous enterprise applications to the cloud. They aimed to migrate all webMethods integrations and file batch integrations from FileMover to the MuleSoft integration platform.

In addition, the client had requested that there be no manual interventions required in hosting and managing business applications. The client's objective was to expedite the decision-making process by addressing the current isolated technology stack and the lack of automation. Moreover, the client wanted to ensure that all applications were secure and restricted with DevSecOps measures in place.



The Solution:

HCLTech established a fully automated DevSecOps platform using a zero-touch, zero-trust architecture. This platform enables rapid application delivery while guarding against modern cyber threats. To modernize its IT landscape, iPaaS MuleSoft was leveraged for API-based cloud-to-cloud integrations and hybrid integrations. Additionally, we enabled an agile and responsive technology foundation by automating the static and dynamic

assessment of application code with MuleSoft. During the end-to-end integrations, application connectivity, business logic and consuming application nuances were segregated to allow quicker changes in the future.

Finally, centralized security management was implemented through Okta-based solutions, which brings in a centralized approach to security management.

The Impact:

The client had experienced significant business benefits, including cost savings, operational efficiency, security and increased agility.

10% reduction in the infrastructure footprint led to significant cost savings for the client.

Reduce overall application deployment efforts through **end-to-end automation**, resulting in more efficient operations.

Implementation of a **DevSecOps platform** has led to a more agile and secure application landscape, providing the client with increased confidence in their technology infrastructure.

Integration with open-API platforms and iPaaS MuleSoft has resulted in a **faster time-to-market**, enabling the client to quickly adapt to changing business needs and stay ahead of the competition.