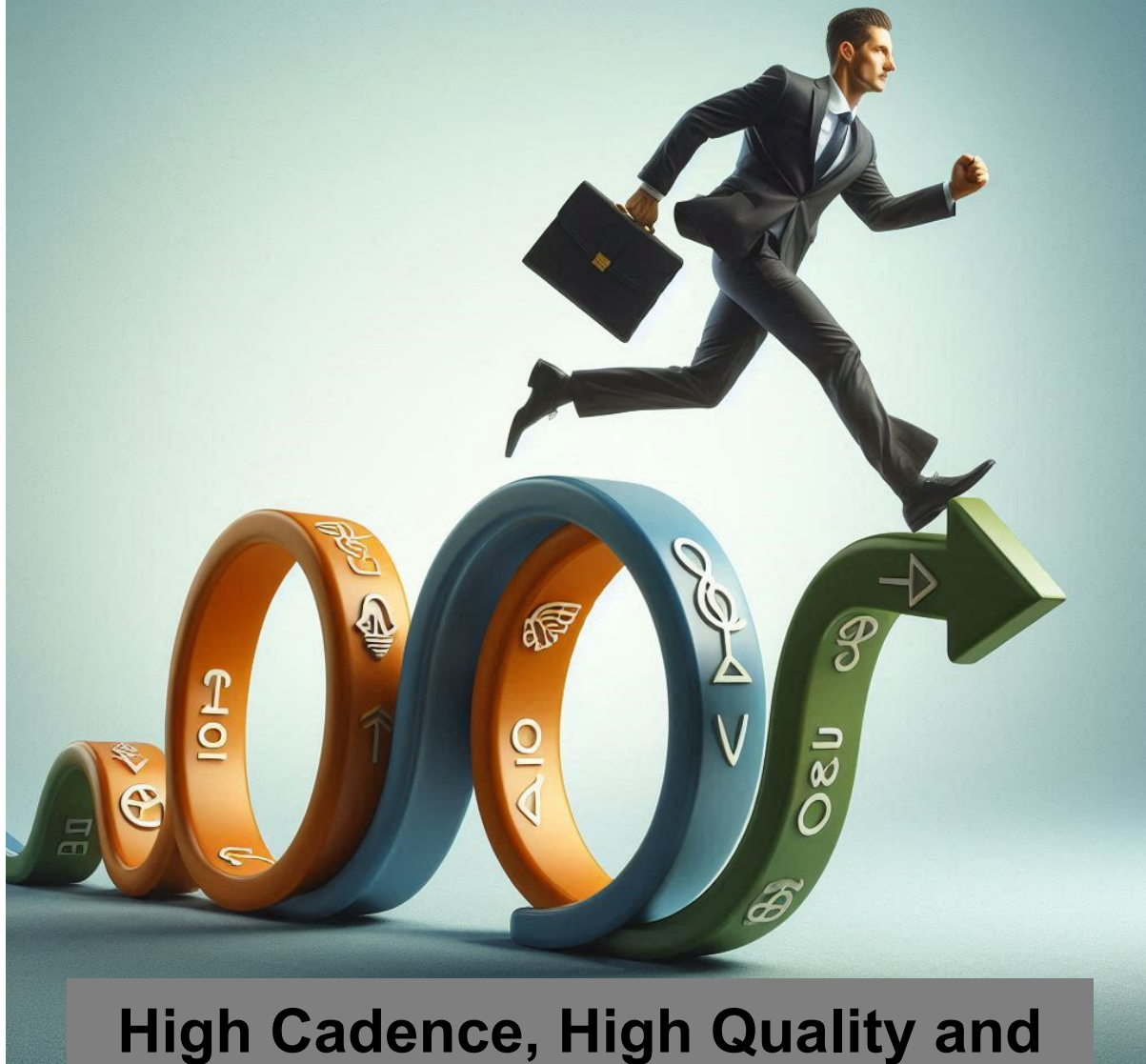


## Case Study: DevSecOps



**High Cadence, High Quality and Secure Business Agility**



## Overview

Shift Left provides a wide range of Quality Engineering services to a very large global logistics company. These services provide a full range of DevSecOps services including:

- CI/CD pipeline creation and improvement
- Software development
- Code scanning (e.g. complexity, open source and vulnerability)
- PaaS on Azure
- Functional and non-functional testing
- Security testing
- Cloud migration from AWS to Azure
- Third line support for a range of digital applications
- FinOps

The customer has a large and very complex estate but by adding Data Virtualisation and Service Virtualisation to their approach, we have been able to provide the outcomes that they want. Our continual improvement approach means true Business Agility.

## Benefits

The service is driving a wide range of benefits including:



### Business Benefits

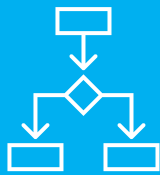
- High cadence, high quality change delivered to production
- Faster time from idea to value
- Business Agility is enabled

### Technology Benefits

- Intelligent placement of applications to optimise the usage of Cloud and data centres
- Defined and automated processes that minimise manual steps across the full DevSecOps lifecycle
- Better security across the estate that is much easier to patch when new vulnerabilities are discovered

### Time and Cost Benefits

- Business value is added as early as possible
- FinOps approach makes costs visible to all stakeholders so that costs can be optimised and allocated to the correct cost centres



## Process

When working with a new customer we will carry out a detailed DevSecOps maturity assessment to establish a baseline. Then we move into a continual improvement approach.

Our continual improvement process is based on increasing DevSecOps maturity across the lifecycle. The aim is to capture metrics that determine the next areas that requires improvement. We focus on 12 key areas:

1. Release Management
2. Build Automation
3. Testing
4. Static Code Analysis
5. CI/CD Pipeline
6. Code Promotion
7. Environment Provisioning
8. Environment Consistency
9. Team Profile
10. Operational Feedback
11. Security
12. Training

It is highly probable that different areas will be focused on at different times. This means we tend to take a “Quality Swarm” approach to improving DevSecOps. This means that we bring in the right expertise to improve one area but then may change the composition of the team to focus on another area.



## Data

12 x improvement in CI/CD pipeline throughput  
5 x improvement in unit test coverage  
20 x improvement in non-functional testing within pipelines  
£7m+ cost avoidance through efficient cloud usage

## People

Shift Left has over 2,000 Quality Engineers and more than 90% of them are focused on moving organisations from Waterfall to Agile and on to DevSecOps ways of working.



We have also invested in some of the best DevSecOps specialists in the world to ensure that we can ensure we are providing the best possible advice and delivering the most value.



## Credentials

We deliver work using Waterfall, Agile, DevOps and DevSecOps. Perhaps more importantly, we work in a hybrid state with many of our customers and know the challenges that arise when working in a blended model and how to solve them.

We are presently working on improving ways of working by using more AI enabled tools.

## Next Steps

If you would like to discuss the challenges you are facing in implementing DevSecOps or to find out more about how we operate please contact

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