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Cloud Services Legacy/Cloud Native Modernisation

Legacy Modernisation

Leverage cloud to modernise existing legacy applications by using the latest tools and cloud native technology to deliver enhanced scalability, reliability, cost effectiveness, performance, and security. Kainos' architecture, development and operations technologists enable our clients to embrace cloud native and PaaS services, minimising 'keep the lights on' operational costs.

Features

1. Service designed, built and optimised to harness PaaS capabilities.

2. PaaS hosted service delivery underpinned by automation practices.

3. Hyperscale Cloud support e.g. Azure App Services, AWS Elastic Beanstalk.

4. Innovate at a faster pace using flexible and modern technology.

5. Standardised modernisation process to support feature-based continuous delivery.

6. Service health check and performance monitoring and dashboards.

7. Reduces risk with fully managed automation and configuration management.

8. Creation of a standardised, fast, test-driven, robust, continuous deployment pipeline.

9. Rapid implementation using proven architectural patterns and accelerators.

10. Experienced technologists with in-depth understanding of cloud-centric government services.

Benefits

1. Enables service owners keep pace with development of services.

2. Faster delivery by harnessing ready-made PaaS capabilities.

3. Utilising cloud native services that minimise run and operational costs.

4. Delivers a blueprint of how to deliver future cloud services.

5. Services designed, optimised and scaled to meet user demands.

6. Reduces risk of change with robust continuous deployment pipeline.

7. Facilitates application portability to other PaaS providers.

8. NCSC aligned approach for secure design, build and data transfer.

9. Improved service levels for performance, reliability and security.

10. Existing staff enabled to operate the modernised application.

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Legacy Modernisation

Kainos leads cloud transition in the public sector. For some, this has focused on moving key line of business applications to the cloud; for others it was a wholesale shift from on-premise to cloud.

Our customers consider cloud adoption for a number of reasons, typically:

- To safely exit an expensive legacy hosting contract.

- Modernising to mitigate risk e.g. legacy hardware and software.

- Their current infrastructure is not able to meet business needs through speed, cost, availability and performance constraints.

- Existing operational teams find difficulty delivering the digital demands of the business.

- Commercial need to realise cost savings from cloud.

- Need to adopt a higher security position.

Kainos has one of the largest teams of cloud engineers serving the UK public sector, helping customers to migrate applications running on old software and hardware to be made secure, modern and cost effective on a cloud platform.

We don't just lift and shift on-premise architectural patterns to the cloud without due consideration; we optimise using cloud best practices. We start with building an understanding of the service to be migrated, and the business and user need, using industry leading tooling. If a cloud provider hasn't already been selected, we will work closely with you to identify the cloud options and help you to make an informed decision.

Service Scope

We have proven experience of architecting over 100 cloud-based platforms. We use this experience to optimise for cloud, simplifying or enhancing any services as part of the modernisation process and minimising costs.

As part of modernisation, we identify security and operational needs and address gaps to deliver a service that is robust and secure.

We assess all aspects of the service being modernised, including integration interfaces and dependencies. This capability is a natural extension of our systems integration services and includes the design, implementation and testing of interfaces between cloud computing components (SaaS, PaaS and IaaS) and on-premise technology.

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