



# HODGE

## Secure, scalable, on-line banking services

## Background

With a refreshed brand identity, relocation to a new head quarters, and rapid business growth, Hodge Bank was also embarking on a digital transformation to significantly increase the scale of the business and to reach new customers.

To implement this program, Hodge asked Mobilise to become part of its agile development and support organisation to help to ensure the early success of the program and assist to Hodge as they built their capability.

The key focus was to deliver a service that was secure, scalable and resilient, and to do so with agility.

## Problem

Hodge Bank required a range of digital services to be delivered rapidly, with security and availability key considerations.

With limited internal Cloud and DevOps skills in their organisation initially, Hodge needed to ensure they worked with a partner that could assist in these key areas. They also needed a partner who could enable the internal team, and provide support for a complex environment 24x7.

**Security was a concern** – Hodge Bank is regulated by the FCA and had to demonstrate a fully compliant platform with all relevant security areas considered and addressed.

**Scalability was key** – Any platform would need to cope with peaks in demand, particularly when marketing activity was triggered to gain additional customers.

**Logistics had to be considered** – Hodge needed an online, tried and tested service, to work without manual intervention.

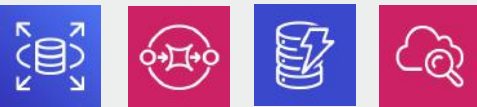
# Solution

Mobilise helped Hodge to ratify the decision to use an Amazon Web Services Cloud platform and helped to deliver the micro services based architecture.

The service leveraged Hodge's internal development capability and helped to implement a development approach using continuous delivery and continuous integration.



To ensure scalability of service without the need to deploy multiple additional software and database components, several core AWS services were implemented including AWS RDS (for relational database requirements), AWS DynamoDB (for table lookup, NoSQL requirements), AWS SQS for queues and the full suite of AWS Cloudwatch monitoring tools and dashboards to ensure the services were fully instrumented.



Autoscaling services were used to ensure the web and application layers adjusted automatically to load. The service was tested without issue with thousands of concurrent connections, demonstrating the scalability of the cloud based service to cope with rapid planned or unplanned increases in demand.

The security design fully embraced all best practice and financial sector specific requirements, including security of the platform and account environments, continual security testing and utilising third party penetration testing of infrastructure and application services.

# Benefits

- A Secure Cloud environment, with DevOps tooling, able to cope with a huge scale without intervention.
- A solution meeting design best practice, signed off by Mobilise AWS Certified Architects.
- An enabled team, with fully documented designs and skills transfer undertaken.
- Ongoing flexible 24x7 support to ensure any unexpected issues are managed day or night, integrated with customer internal support infrastructure to provide a seamless service.

## About Mobilise Cloud

Mobilise helps government and commercial organisations to ensure their migration to Cloud is a success from strategy through to design, delivery and organisational and operational change. Mobilise has a wealth of experience in gaining best value from IT infrastructure provision, and has partnered with the leading Cloud providers including Amazon Web Services, Microsoft and Google to ensure a range of industry leading options are available to replace IT infrastructure with the 'right cloud' service, and to deliver ongoing digital transformation through cloud native services at pace. People are key to the transition to Cloud, and Mobilise is experienced in communicating the change and gaining buy-in at all levels of an organisation to create excitement and active participation, enabling customer teams to ensure they can participate fully in the technology change required.



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