

Seamless migration to Banking Community Cloud on AWS leading to Industry best uptime, compliance and security

# Building the 'Intelligent Bank' of the Future

A unique Community Cloud infrastructure on AWS with a highly available architecture offering industry-best uptime and a comprehensive security stack with 24X7 monitoring and compliance to PCI DSS, enabling the bank to provide innovative services to their end customers.

## About The Client Bank

Presence in

**30+**

countries

**14000+**

Employees  
Worldwide

The client is a banking services provider in the United Kingdom. They offer letters of credit, trade finance, deposits, loans, treasury management, foreign exchange, and reimbursement services to customers in U.K. The bank's vision is to become an innovative and responsive digital bank. They are a niche trade finance bank, providing finance and services to help facilitate trade deals.

## The Challenge

### Increasing Infrastructure Expenses

As a big step towards driving their transformation agenda and promote their digitization efforts, the bank wanted to overhaul its trade finance infrastructure. They needed a Banking partner who can be flexible and innovative and who can offer a solution on a completely banking compliant infrastructure offered as-a-service thereby reducing CapEx. They wanted to be future-ready by improving agility of business by offering banking-as-a-service.



### Need for Advanced Level of Security and Compliance

The bank needed a security specialist who could create inbound and outbound rules. The bank needed a robust and secure network infrastructure for establishing better control of assets. The partner would not only need to have experience and expertise but also the ability to help them migrate to a compliance-ready infrastructure without any downtime.

## The Solution

### SECURITY, INTEGRITY, CONFIDENTIALITY, PRIVACY AND AVAILABILITY

The Digital Core banking suite that Cloud4C offered the client bank in partnership with Intellect Design Arena is a unique combination of product innovation, technology optimization, operations streamlining, transformational customer experience and lower total cost of ownership for the bank. The core infrastructure technology was implemented within the bank's corporate, lending, treasury, retail, domestic, cross-border payments and other operations

### Unique Community Cloud for banks (Bank-in-a-box)

With the flexibility to be deployed on any cloud platform, Bank-in-a-Box includes – DC (primary and DR), Infra managed services, Storage, Middleware management, Application management, Computing, Compliance, Security, Network, OS Management, Backup and Database Management.



### PCI DSS Compliance and Security

Cloud4C leveraged regulatory approved security stack with 40+ Security controls that are customized for banks to provide the robust security framework that the bank required. PCI DSS controls were mapped by following AWS best practices and deployed after in-depth architectural considerations. We also configured backup solutions before the migration of data from on-premise infrastructure to cloud.

### Disaster Recovery as a Service

Cloud4C configured disaster recovery and performed Bi-annual DR drills to test failovers. The DR site management with replication of production site was done through this. Regular health checks and troubleshooting were part of the 24X7 monitoring services offered by Cloud4C.

## Key Accelerators



### Dedicated Banking practice at Cloud4C

Cloud4C helps banks of all sizes deliver innovative cloud-based solutions to accelerate their digital transformation journey and leverage cutting-edge technology to become more agile, strategic and customer-focused.

- Cloud4C has a Banking practice with certified cloud experts across Solution, Pre-Sales, Sales and Service Delivery teams dedicated for Banking Transformation and Migration projects.
- Regulatory approved security stack with 40+ Security controls tailored specifically for banks
- Successfully serving 81 banks today, including 6 of the Global Top 20 banks
- Total ownership – Single SLA delivered at application login
- Compliance to local data residency and sovereign norms in 50 global locations
- End-to-End Cloud journey ownership including IT modernization and Migration



### AWS Certified Experts

Cloud4C provides a wide range of AWS fully managed services such as cost optimization, availability and scalability services, managed security, managed configuration, performance optimization, alerting, remediation, premium 24x7 technical support and more. With real-time monitoring and event analysis, banks can securely conduct their day-to-day activity with cyber resilience, while Cloud4C secures their Perimeter, Networks, Hosts, Applications and most importantly PII Data.



### Information Security Compliance Ready Portfolio

The ever-evolving regulatory requirements in different regions or countries can be very challenging for banks. The Cloud4C solution complies with distinct data localization laws to eliminate disruptions to the operations. The cloud infrastructure is built on a robust architecture with high availability, disaster recovery, and backup. We ensure transparency and dependable implementation by strictly adhering to data sovereignty laws.

## Results

**OPTIMAL**

resource utilization and efficiency

**INDUSTRY**

best uptime with Single SLA

**AGILE**

infrastructure for implementing innovative software tools and security patches

**SEAMLESS**

migration to cloud and uninterrupted business continuity

**REDUCED**

dependency on internal IT teams allowing them to focus on strategic priorities

**ZERO**

disruption to operations with Failsafe and resilient AWS environment