

# Transforming Finance: A Journey from AWS to Azure for Data Sovereignty

EXPERTS IN



## EXECUTIVE SUMMARY

Unlocking a new chapter in secure payments, we present a remarkable case study of a Middle East Financial Application. Faced with the challenge of stringent data compliance regulations, the solution seamlessly migrated from AWS to Azure, ensuring data sovereignty within the client's country. This monumental shift not only met government mandates but also fortified security and performance, embodying innovation and resilience.



## THE CHALLENGE

In the realm of finance, security and compliance are paramount. The challenge arose when the government mandated that data be stored within its borders. The existing AWS infrastructure, located in London, fell short of meeting this critical requirement. The mission was to migrate to Azure, with a data center in the Middle East compliant with government regulations.

The endeavor encompassed not only the migration but also the need to retain impeccable security, performance, and fault tolerance standards. A monumental transformation was on the horizon, necessitating meticulous planning and execution.



## GEEKS SOLUTIONS

Navigating the intricate landscape of financial data sovereignty, Geeks Solutions harnessed their extensive experience as an Amazon partner and managed service provider to orchestrate a seamless migration to Azure.

## AT A GLANCE

### Challenges

- Data Sovereignty Demand
- Migration Imperative
- Azure Compliance
- Security and Performance
- Meticulous Planning

### Benefits

- Data Sovereignty Achieved
- Fortified Security
- Uninterrupted Performance
- Resilience and Reliability
- Agile Transformation
- Support Continuity



"Geeks strategic prowess and technical finesse in ensuring data sovereignty and optimizing Azure capabilities were game-changers. The round-the-clock support seamlessly extended to Azure showcased their dedication. Their team's outcome was exceptional."

- Ahmed

This transformational journey was more than a mere shift; it was a testament to our Azure expertise and unwavering commitment to innovation.

- **Azure Proficiency:** Our profound understanding of Azure's ecosystem guided the migration's intricate nuances.
- **Data Sovereignty Mastery:** Navigating government mandates, we ensured data resided within the client's country.
- **Meticulous Planning:** Our approach intricately mapped Azure capabilities, preparing for every migration facet.
- **Smooth Data Transfer:** With agile planning, we moved data seamlessly, minimizing downtime and risk.
- **Optimized Azure Features:** Leveraging Azure's tools enhanced performance and security post-migration.
- **24x7 Support Continuity:** Our commitment extended to Azure, ensuring uninterrupted service.

## TECHNOLOGY STACK

- **Azure Virtual Machines:** Ensured scalable and flexible infrastructure.
- **Azure Load Balancer:** Seamlessly distributed traffic, mirroring our AWS success.
- **Azure Blob Storage:** Served as the repository for CloudTrail logs and daily database backups.
- **Azure Monitor:** Kept vigil over the Azure landscape, facilitating informed decision-making.
- **Azure Database for MySQL:** Mirrored MariaDB's capabilities, powering application databases.
- **Azure DNS:** Managed DNS and load balancing, crucial in a multi-region environment.
- **Azure Traffic Manager:** Strengthened failover capabilities, elevating application reliability.
- **Azure DevOps:** Orchestrated smooth code deployment, akin to the AWS journey.

## THE ADVANTAGES

The migration wasn't just a necessity; it was a leap towards remarkable benefits:

- **Data Sovereignty:** Compliance with government mandates, hosting data within the client's country.
- **Enhanced Security:** Azure's infrastructure fortified data against threats and breaches.
- **Uninterrupted Performance:** Seamless transition without compromising performance.
- **Resilience and Reliability:** Redundant architecture ensured fault tolerance and round-the-clock service.
- **Agile Transformation:** An agile methodology guided migration, safeguarding efficient adaptation.
- **Continuous Support:** Our 24x7 commitment extended to Azure, providing unwavering assistance.

## FOR MORE DETAILS, PLEASE CONTACT US

Unveil the full story of this groundbreaking migration. Our experts stand ready to unravel the intricacies and strategic brilliance behind this transformative journey. For insights into how we can architect similar success for your business, connect with us today.

## CONTACT INFORMATION:

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