

Securing Financial Infrastructure via Zero Trust Using Microsoft Azure

Secure Hybrid Infra Built with Azure Firewall



A leading Australian finance organization faced performance, security, and scalability challenges with its aging datacenter and a 500GB SQL database. Krish Services migrated their workloads to Microsoft Azure, implemented a Zero Trust architecture, secure hybrid connectivity, and optimized database performance.

CLIENT BACKGROUND

The client is an established financial services organization operating across Australia. It supports core financial processes through technology-driven platforms and manages highly sensitive financial data.

BUSINESS VALUES

- Reliable Data Migration:** Successfully migrated a 500GB SQL database with optimized performance.
- Measurable Performance Gains:** Improved application response times by 45%.
- Stronger Security Posture:** Reduced risk through a Zero Trust security model.

TECHNOLOGIES



PROBLEMS

- Legacy Infrastructure Limiting Growth:** Lacked scalability, causing performance issues and slowing support for growing business demands.
- High Security and Compliance Pressure:** Struggled to meet Zero Trust, audit, and regulatory security requirements using existing on-prem systems.
- Lack of a Standard Cloud Foundation:** Missed a governed Azure foundation to enforce security, networking, and scalability for future workloads.
- Lack of Centralized Application Access Security:** Struggled to secure application access and inspect traffic without centralized network security controls.

SOLUTIONS

- Azure Cloud Foundation:** Built a secure and scalable Azure environment following Microsoft's best practices, giving a well-governed foundation.
- Enabled Secure Access:** Applied a Zero Trust approach with identity-based controls, multi-factor authentication, and web protection to keep applications, networks, and sensitive financial data safe.
- SQL Database Migration:** Migrated a 500GB SQL database to the cloud securely, with the least disruption.

FUTURE SCOPE

Financial systems are protected without slowing down operations using Azure and Zero Trust. The infrastructure will be able to support cloud-native apps, scalable analytics, and adaptive security without requiring complete overhaul.