CASE STUDY Financial services | AZURE MIGRATION | ZERO TRUST

Zero Trust Azure migration with 45% faster application response.

An Australian financial services organization needed to move core systems off an ageing data center. Krish built a **Zero Trust Azure foundation** and migrated the **500GB SQL database** that daily financial operations depend on.

CLIENT: AN AUSTRALIAN FINANCIAL SERVICES ORGANIZATION

PERFORMANCE
45%
Faster application response times after the move to Azure

DATABASE
500 GB
Critical SQL database migrated with reduced downtime

SECURITY
Zero Trust
Controls across identity, network and application layers

CLIENT BACKGROUND

The client is a **well-known Australian financial services organization**. It delivers financial products and services across the region and relies heavily on technology for daily operations.

It manages large volumes of sensitive financial data under strict regulatory and compliance standards. Its core finance applications ran in an ageing on-premises data center.

BEFORE
Ageing on-premises data center
Limited scalability, security and room to grow

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AFTER
Zero Trust Azure landing zone
Hub-and-spoke design with a hybrid link to on-premises

THE CHALLENGE

Legacy infrastructure limiting growth
Critical finance apps ran on an ageing data center that could not scale.

No standard cloud foundation
There was no landing zone for governance, networking and future workloads.

A 500GB database with no room for outages
Daily financial operations could not afford extended downtime.

Security and compliance pressure
On-premises systems made audit and regulatory standards hard to meet.

Exposed application access
Apps used by staff and partners needed strong protection against threats.

Secure hybrid connectivity
Azure had to stay securely connected to the on-premises data center.

WHAT WE DELIVERED

01 **CAF-aligned Azure landing zone** — CAF
Hub-and-spoke design with clear separation of application and database tiers.

02 **Protected external access with WAF** — WAF
Azure Application Gateway WAF blocks common web threats to customer systems.

03 **Reliable SQL database migration** — SQL SERVER
The 500GB database moved to SQL Server on Azure VMs with a low-usage cutover.

04 **Zero Trust controls** — ZERO TRUST
RBAC, MFA, Conditional Access, micro-segmentation and data encryption.

05 **Centralized network security** — FIREWALL · VPN
Azure Firewall in the hub, plus a redundant VPN to the on-premises data center.

06 **Monitoring and governance** — MONITORING
Azure Monitor, Log Analytics and Defender for Cloud give central visibility.

RESULTS

45% — **Measurable performance gains**
Application response times improved by 45%.

500GB — **Reliable data migration**
SQL database migrated with optimized performance.

Stronger security posture
Reduced risk through a Zero Trust security model.

Ready for what comes next
A base for cloud-native apps and better analytics.

Hybrid by design. Easy monitoring, smooth performance and better cloud-to-on-premises connectivity.

TECHNOLOGIES USED

- Azure Landing Zone
- SQL Server on Azure VMs
- Application Gateway WAF
- Azure Firewall
- VPN Gateway
- Defender for Cloud
- Azure Monitor

FINAL PERSPECTIVE

The Azure Zero Trust model **protects critical financial applications** while keeping monitoring simple and performance smooth across hybrid environments.

Moving financial workloads to Azure?

Talk to a Krish cloud security engineer.

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Read this case study online: krishservicesgroup.com/case-study/protecting-financial-infrastructure-through-zero-trust-using-microsoft-azure/