

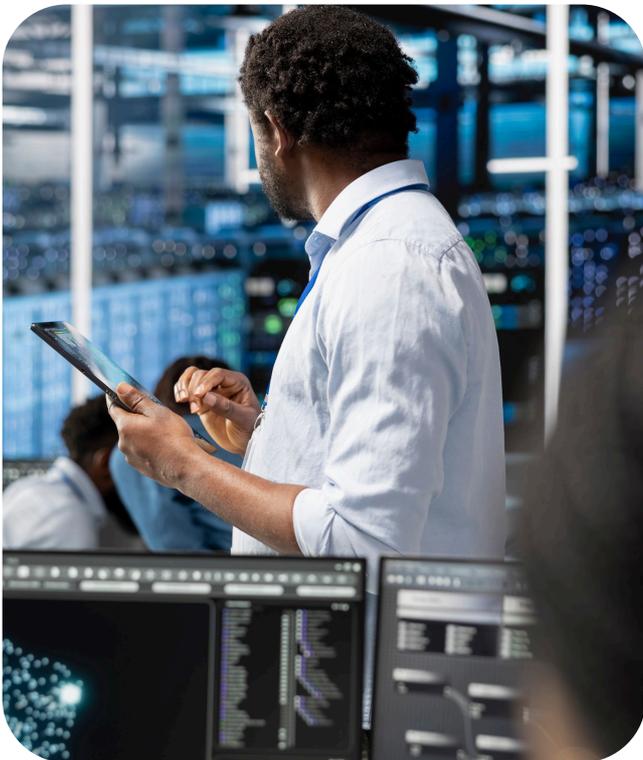


Cloud Migration & Modernization with Azure

Transforming legacy infrastructure with Azure Landing Zones, IaC, and GitOps to enable agility, scalability, and security.

Overview

- The client struggled with fragmented cloud adoption, manual provisioning, and operational inefficiencies.
- QBurst implemented Azure Landing Zones, automated provisioning with Terraform, and a GitOps-driven CI/CD framework.
- Legacy business applications were containerized and migrated to Azure Kubernetes Service (AKS).
- Achieved near-zero downtime migration, 90% faster environment provisioning, improved scalability, and enhanced security posture.



Leading Vehicle Insurance Provider

The client serves millions of customers across regions. With increasing policy volumes and digital service demands, their existing data centers could no longer meet business growth. To stay competitive and support innovation, the client set out to modernize its IT infrastructure by adopting Microsoft Azure.

Challenge: Legacy Infrastructure Hindering Agility

- Multiple disconnected data centers failing to scale with demand.
- Fragmented Azure subscriptions without centralized governance.
- Manual infrastructure provisioning, leading to inconsistencies and downtime risk.
- Migration of core policy administration and claims systems requiring near-zero downtime.

QBurst Solution: Enterprise-Ready Azure Platform

We designed and executed a comprehensive cloud migration strategy aligned with Microsoft's Cloud Adoption Framework (CAF). Key solution elements included:

- **Azure Landing Zone:** Secure, scalable, enterprise-ready foundation with hub-and-spoke topology across regions.
- **Infrastructure as Code:** End-to-end automation using Terraform and Azure DevOps pipelines for consistent, auditable deployments.
- **GitOps Framework:** Controlled, flexible deployment model with branching and approval workflows for infrastructure and apps.
- **Business Application Migration:** Containerization of legacy core systems, deployed to AKS with minimal disruption and zero data loss.
- **Security & Compliance:** RBAC, Azure Policy enforcement, and Privileged Identity Management integrated with CI/CD pipelines.
- **Centralized Operations:** Logging, monitoring, and shared services for visibility, cost efficiency, and resilience.

Our Approach: Designed for Scale and Security

- Automated, repeatable IaC deployments across environments
- Containerized workloads for elastic scaling and modernization
- Hub-and-spoke network for consistent global architecture
- Built-in DR and HA strategy for business continuity
- Integrated IAM with Microsoft Entra and MFA
- Cost efficiency through centralized firewall, VPN, and monitoring services

Outcome

- **90% faster environment provisioning** with IaC-driven automation
- **Near-zero downtime migration** of core applications and large databases
- **Seamless scalability** for containerized applications to meet customer demand
- **Accelerated time-to-market** with automated CI/CD pipelines
- **Improved disaster recovery and continuity** through automated failover pipelines
- **Enhanced security posture** with centralized governance and policy enforcement