Case Study

Runways to the cloud

Empowering digital transformation for a Indian infrastructure conglomerate through Azure migration

Summary

Sonata Software partnered with a leading Indian infrastructure conglomerate to migrate its end-of-life on-premises datacenter to Microsoft Azure. Using a phased lift-and-shift approach, Sonata moved ~100 Windows and SQL servers, including critical ERP systems, analytics platforms and collaboration tools. This modernization effort reduced the client's operational costs and improved the scalability, reliability and business continuity of their IT foundation.

Client Overview

A leading Indian infrastructure conglomerate with a diversified presence across airports, energy, transportation, urban infrastructure and sports.

Pressure points

- **High operational costs**
  - Significant CapEx for hardware refresh cycles
  - Rising maintenance and licensing costs

- **Limited scalability and agility**
  - Inflexible provisioning timelines
  - Inability to scale resources dynamically

- **Security and compliance risks**
  - Outdated security protocols
  - Difficulty in meeting evolving compliance standards

- **Disaster recovery limitations**
  - No geo-redundancy
  - Manual backup processes with long recovery times

- **Performance bottlenecks**
  - Aging hardware impacting application performance
  - Lack of real-time monitoring and diagnostics

Solution highlights

We adopted a phased lift-and-shift strategy to ensure minimal disruption and maximum efficiency:

- **Assessment and planning**
  - Conducted a Cloud Readiness Assessment using Azure Migrate
  - Identified dependencies, performance metrics and licensing requirements
  - Created a migration roadmap with prioritized workloads

- **Environment preparation**
  - Set up Azure landing zone with governance, security and networking
  - Established hybrid connectivity using Azure ExpressRoute

- **Migration execution**
  - Used Azure Migrate and Azure Site Recovery for replication and cutover
  - Migrated ~100 servers in waves, grouped by business function
  - Ensured rollback plans and validation testing for each wave

- **Optimization and handover**
  - Enabled Azure Monitor, Log Analytics and Microsoft Defender
  - Implemented cost management and autoscaling policies
  - Trained customer's IT team for post-migration operations

Results that speak volumes

Modernize their IT landscape	Reduce operational overhead	Enhance business continuity	Accelerate innovation

As a migration partner, Sonata's deep expertise in Azure and structured approach ensured a seamless transition, setting the foundation for future cloud-native initiatives like containerization and AI integration.