LUNAVI

CASE STUDY

PISTEYO, INC.

Pisteyo operates Copper, a mission-critical customer and workflow management platform supporting daily service delivery and internal operations. As adoption grew and data volumes increased, Copper's on-premises Microsoft SQL Server environment began limiting scalability, performance, and reliability.

THE CHALLENGE

Pisteyo's on-premises SQL Server environment created several barriers to growth.

Scalability Constraints

The legacy environment struggled to handle increasing data volumes and concurrent users. Performance slowed during peak demand. Scaling required hardware upgrades and long procurement cycles.

Operational Overhead

Internal teams managed patching, backups, maintenance, and capacity planning. This diverted resources from application development and innovation.

Performance and Reliability Risks

As demand grew, query performance degraded. High availability required complex configuration and added cost. Built-in failover capabilities were limited.

Limited Modernization Path

A lift-and-shift to SQL Server on Azure Virtual Machines would not address database design or performance constraints. Pisteyo needed true modernization. The goal was to move from infrastructure -managed SQL Server to a fully managed Platform-as-a-Service (PaaS) solution without disrupting application functionality.

THE SOLUTION

Pisteyo partnered with Lunavi to migrate from on-premises Microsoft SQL Server to Azure SQL Database, a fully managed PaaS database engine.

Azure SQL Database provides built-in intelligence, high availability, and elastic scalability without infrastructure management.

This approach delivered:

- Automated patching and backups
- Built-in high availability with a **99.99%** Service Level Agreement (SLA)
- Dynamic scaling aligned to workload demand
- Reduced total cost of ownership

Lunavi followed Microsoft Cloud Adoption Framework and Well-Architected Framework principles to guide the engagement.

LUNAVI'S APPROACH

Assessment & Planning

Azure Data Studio was used to evaluate compatibility and create a clear migration roadmap.

Integration & DevOps Enablement

Azure SQL Database was integrated with Azure App Service and Azure DevOps for streamlined deployments.

Migration Execution

Azure Database Migration Service enabled minimal downtime through continuous synchronization and validation.

SQL Optimization

Queries, schemas, and stored procedures were optimized for Azure SQL performance features.

Validation & Optimization

End-to-end testing ensured Copper continued operating seamlessly post-migration.

RESULTS & BUSINESS IMPACT

✔ **Eliminated Infrastructure Management:** No more manual patching, hardware maintenance, or backups.

✔ **Elastic Scalability:** Resources now scale to meet demand without bottlenecks.

✔ **Enhanced Security:** Integrated encryption, threat protection, and Microsoft Defender for Cloud strengthened compliance.

✔ **Built-In High Availability:** Automatic replication and failover with a 99.99% SLA.

✔ **Intelligent Performance Optimization:** Automatic tuning continuously improves query performance.

✔ **Lower Total Cost of Ownership:** Reduced hardware expenses and operational overhead.

CONCLUSION

Through its partnership with Lunavi, Pisteyo replaced infrastructure constraints by migrating from on-premises SQL Server to the modern, fully managed, Azure SQL Database.

The result is a high-performing, secure, and scalable platform that reduces operational burden while enabling future innovation and growth. Looking to the future, Pisteyo and Lunavi have positioned Copper to leverage the latest innovations on Azure, like serverless compute and advanced analytics options.

ABOUT LUNAVI

Lunavi delivers full-stack technology expertise to help clients navigate what's next, from modernizing infrastructure, implementing data analytics strategies, migrating to the cloud, building next-gen apps, or deploying AI at scale. Across multiple industries, Lunavi has led full scale IT transformations and supported teams to achieve their vision. With end-to-end expertise across cloud, data, and AI, we meet you where you are and guide you forward with solutions that scale. **www.lunavi.com**

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