LUNAVI

INDUSTRIAL MANUFACTURER

An industrial manufacturer relied on a legacy Windows application built on Weblogic and supported by a SQL database to run core operational workflows. Following an acquisition, the organization required migration to its standardized Microsoft Azure environment to improve reliability, governance and compliance.

BUSINESS CHALLENGE

As part of post-acquisition integration, the manufacturer faced several operational and infrastructure risks.

■ **Aging Infrastructure**

The hardware supporting the application was end-of-life. The risk of failure and performance degradation continued to increase.

■ **Lack of Platform Alignment**

The application operated outside the acquiring company's Azure standards. Backup, patching, monitoring, and security controls were inconsistent with corporate IT policies.

■ **Operational Continuity Requirements**

Rewriting or replacing the WebLogic application was not feasible. The system supported daily manufacturing operations. Downtime would directly impact production.

THE SOLUTION

The manufacturer partnered with Lunavi to execute a lift-and-shift migration to Microsoft Azure. This rehost strategy moved the Windows application to the cloud without code changes. It minimized operational risk while bringing the environment under standardized governance and security controls.

Lunavi followed Microsoft's Cloud Adoption Framework to structure the migration and reduce uncertainty at each stage. The engagement included:

✓ **Azure Migrate Assessment**

Evaluated workloads and right-sized resources.

✓ **Landing Zone Deployment**

Built secure networking and governance baselines.

✓ **Dependency Mapping**

Documented critical system interconnections.

✓ **Replication & Cutover**

Executed migration during an approved maintenance window.

✓ **Post-Migration Validation**

Confirmed performance, connectivity, and stability.

RESULTS

Application Functionality Preserved

No code changes were required, reducing cost, shortening timelines, and minimizing migration risk.

Standardized Governance & Compliance

The environment now operates under corporate backup, patching, monitoring, and security policies.

Improved Resilience & Availability

Azure-native networking and load balancing replaced aging hardware, strengthening uptime and overall reliability.

Centralized Monitoring & Security Visibility

Azure Monitor, Log Analytics, and Microsoft Defender for Cloud now provide visibility across both infrastructure and application layers.

Strengthened Data Protection & Recovery

Azure Backup and Azure Site Recovery reinforce business continuity planning and disaster recovery readiness.

Foundation For Future Modernization

The Azure platform provides scalability and flexibility for future initiatives, including potential adoption of Platform as a Service (PaaS) solutions.

CONCLUSION

By rehosting its Windows application on Microsoft Azure, the industrial manufacturer avoided costly redevelopment and retired aging on-premises infrastructure without disrupting production. Azure Migrate provided the visibility needed to plan a structured transition of the WebLogic application and SQL database.

The new Azure environment aligns with corporate IT standards for backup, security, governance, and compliance. Operational risk is reduced. Scalability has improved. Internal teams can now focus on manufacturing innovation rather than infrastructure maintenance.

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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