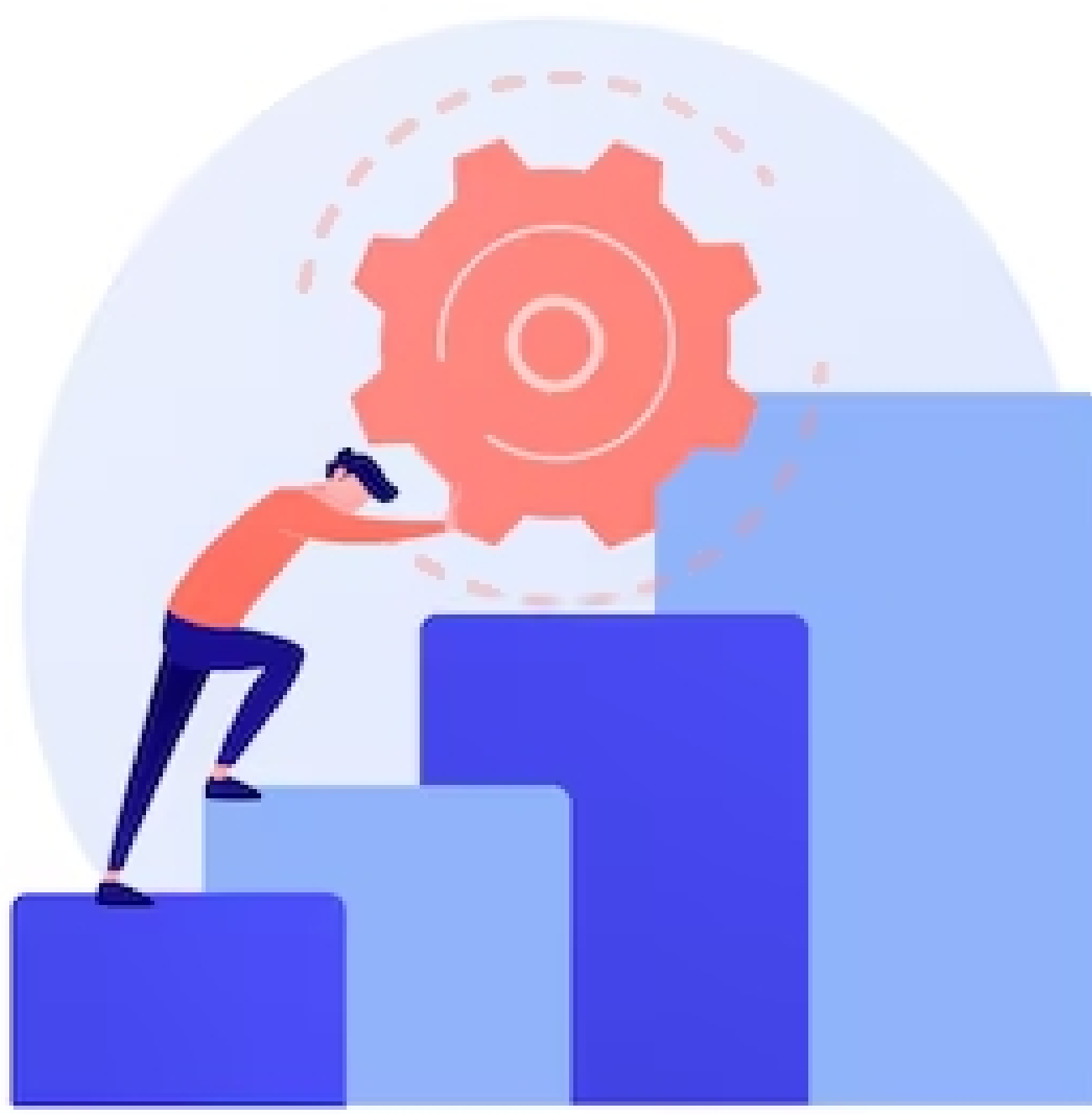




Streamlining Supplier Connections with Cloud Migration Solution for a Government Administration

OVERVIEW

Our client revolutionized the online marketplace in 1998, originating from a group of procurement professionals in Florida who aimed to enhance their reach to qualified suppliers by consolidating their lists. This innovation allowed them to offer the best products at competitive rates. Since then, they have broadened their scope to serve state and local governments across the U.S., rapidly connecting suppliers with government entities.



CHALLENGES

The client's infrastructure was primarily based on VM-hosted web apps, API services, and a local file system for document storage. The SQL databases and associated jobs were also VM-based, complicating scalability, robustness, and availability. The client sought a migration to a cloud solution that could offer:

- Scalability without constraints
- Enhanced system robustness and availability
- Automated data and application backup and restoration
- Advanced security through network and application monitoring
- Global business expansion support by adopting UTC
- Improved system instrumentation and logging
- Simplified deployment and maintenance

SOLUTION

iLink Digital, leveraging its expertise in cloud migration and system modernization, crafted a comprehensive solution:

- Web Applications: Migrated to Azure CDN to enhance content delivery.
- API Services: Transitioned to microservices housed in Docker containers.
- Document Storage: Moved from VM-based storage to Azure Storage Accounts.
- SQL Server: Upgraded to Azure SQL with an Elastic pool, adapting the data framework for seamless integration and migrated time zone handling to UTC.
- Database Operations: Transformed into Elastic Jobs and automated using Azure Automation.
- Performance & Resiliency: Implemented Redis Cache and utilized Azure Application Gateway for improved security.
- Security and Monitoring: Deployed comprehensive monitoring with Azure Alerts, App Insights, Google Analytics, and Amplitude.
- Deployment: Enhanced with automated pipelines for continuous integration and deployment (CI/CD).

BUSINESS VALUE

The migration to a cloud-based infrastructure not only resolved the immediate scalability and robustness issues but also positioned the client for future growth and expansion internationally. By adopting modern cloud solutions and microservices architecture, the client benefited from reduced operational costs, enhanced security measures, and a robust system capable of adapting to evolving business needs. iLink Digital's expertise in cloud technologies and application modernization was pivotal in transforming the client's operational framework, proving our capability as a leading solution provider in cloud migration and system modernization.

OUTCOMES

Integration of Modern Cloud Services: Streamlined operations and improved performance.

Reduced Costs and Increased Scalability: Efficient resource management and operational cost reduction.

Enhanced Security and Monitoring: Robust governance and proactive issue resolution.

Legacy Transformation and Modernization: Shifted from legacy applications to modern frameworks and microservices architecture.

Data Management: Effective data synchronization and migration across platforms.