MaaS

Streamlining Cloud Migration for Extensive Operations for
A Leading North American Logistics Provider

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Overview

A prominent North American logistics provider, with a vast network of over 60 locations and extensive equipment, offers integrated port-to-door logistics services. With over three decades of industry experience, they provide customized warehousing, drayage, and transportation solutions to their diverse client base.

Solution

Agentless Cloud Migration Assessment & Implementation

We partnered with the logistics provider to execute a comprehensive agentless scan and assessment of 300 servers (comprising both Windows and Linux environments) and 10 vanguards, leveraging a cutting-edge SaaS-based migration and assessment platform. The agentless nature of the solution was key to ensuring minimal operational disruption.

Business Need

This global logistics leader required a strategic approach to efficiently migrate its extensive server infrastructure to Azure Cloud, aligning with a critical data center exit schedule. The primary objective was to achieve a seamless transition while ensuring operational continuity and effectively managing complex inter-server dependencies.

Business Challenge

The logistics provider encountered several complex challenges during their cloud migration initiative

- **Data Security** Ensuring the integrity and secure transfer of sensitive data throughout the migration was a top priority.

- **Strict Deadlines** Adhering to a rigid timeline for vacating their existing data center posed a significant time constraint.

- **IP Address Identification** The accurate discovery of IP addresses using subnets for agentless scanning presented a technical hurdle.

- **Inter-Server Dependencies** Identifying and understanding communication flows and dependencies between servers was crucial for effective migration planning.

- **Migration Cost and Planning** A precise determination of cloud costs (TCO) and a detailed migration plan for their Azure environment were essential for budgeting and execution.

- **Timeliness** Completing both the comprehensive server scanning and the full migration within an aggressive two-month timeframe was a major challenge.

Key aspects of the solution included

- **Secure Data Transfer** Communication was meticulously set up with restricted access for data transfer between the vanguard and the SaaS platform, prioritizing security.

- **Strategic Migration Planning:** A detailed schedule with defined milestones was established. We facilitated increased bandwidth for data transfer to Azure and recommended an automated migration tool to prevent manual delays.

- **Precise Server Discovery:** Subnet discovery capabilities were utilized to accurately identify servers, and the scan scope was thoroughly planned in collaboration with the client.

- **Automated Dependency Mapping** The platform effectively identified interdependencies between servers based on running processes, providing predictive "move groups" for optimized migration planning.

- **Transparent Cost Analysis (TCO)** Comprehensive reports were generated, offering vital Total Cost of Ownership (TCO) information and pertinent migration advisories for the private cloud, enabling informed financial decisions.

- **On-Time Delivery** The entire project was meticulously executed and successfully completed within the stipulated schedule.

The underlying architecture involved a 5-machine setup on Azure, delivered via a SaaS-based approach located in US East.

Key Benefits

The logistics provider achieved significant advantages through the agentless scan and migration process:

- **Accurate Asset Discovery:** Enabled precise identification of valid IP addresses, streamlining the scanning process.

- **Reduced Migration Risk:** Detailed reports analyzed migration risk factors, including End-of-Life (EOL) components, with actionable suggestions for mitigation.

- **Expedited Data Center Exit:** Implemented faster and highly efficient methodologies, ensuring the data center exit was completed promptly within the aggressive schedule.

- **Cost Clarity:** TCO reports provided clear and comparative cloud cost analyses for their on-premise infrastructure.

- **Enhanced Data Security & Efficiency:** Ensured no sensitive data was exposed outside their network, facilitating a rapid and seamless transition from their data center to Azure.

Results

The comprehensive assessment and subsequent migration were successfully completed within the scheduled timelines, exceeding the customer's expectations. The logistics provider smoothly exited their on-premise data center without any unforeseen issues or delays, achieving a seamless transition to Azure.

Ready to transform your cloud infrastructure and unlock significant savings?

Our experts are here to guide you. Reach out today to discover how we can tailor a cost-optimization and migration strategy that fits your business needs. Contact us to get started on your cloud transformation journey!