

Mystifly migrates to Google Cloud Platform in just three months



Client profile

Mystifly is a global travel technology company specializing in airfare distribution and payment solutions. Founded in 2009, it operates across 80+ countries, including in the Americas, EMEA and APAC. The company provides access to fares from over 900 airlines, including multiple global distribution systems and 170+ low-cost carriers. With a workforce of over 300 employees, Mystifly empowers travel businesses such as online travel agencies, travel management companies and airlines to optimize airfare procurement, payment and fulfillment processes.

Mystifly sought to address the challenges faced by businesses in the dynamic travel industry, where managing travel programs efficiently is critical. To enhance operational excellence, they aimed to migrate to a cloud environment better aligned with their business goals and future objectives in areas such as cloud governance, FinOps best practices and transparent observability.

NTT DATA migrated Mystifly's multiple workloads from Microsoft Azure to Google Cloud Platform, enhancing efficiency through improved cloud governance, FinOps practices and observability. Leveraging scalable infrastructure and advanced security, the solution delivered cost savings and operational excellence, earning recognition from Google and Mystifly's leadership.



Our partnership with NTT DATA supports Mystifly's mission to modernize travel infrastructure across our entire ecosystem, delivering solutions that bridge old and new technologies and catering to the discerning traveler and the efficiency of sellers and suppliers."

Rajeev Kumar, CEO, Mystifly

100 GB+

of data migrated in less than 3 months

Zero

escalations

Zero

errors in a seamless cutover

Business need

Enhance operational efficiency

Mystifly faced the following challenges with their cloud migration:

- **Tight timeline for migration**
Transitioning multiple environments and large amounts of data with various dependencies within strict deadlines
- **Seamless execution with minimal disruptions**
Minimal escalations and zero errors throughout the migration process
- **Optimized utilization of resources**

Solution

Migrating from Microsoft Azure to Google Cloud Platform

NTT DATA successfully migrated Mystifly's workloads — including infrastructure with associated databases — within three months. Moving from Microsoft Azure to Google Cloud Platform (GCP), the migration aligned the infrastructure with regulatory requirements and enhanced operational efficiency through robust cloud governance, FinOps practices and improved observability.

The migration strategy ensured that Mystifly's external user requests were securely routed through a load balancer. This setup leveraged Cloud Armor for Web Application Firewall (WAF) protection and Next-Generation Firewalls (NGFW) for north-south traffic inspection, providing advanced threat detection and ensuring secure traffic management.

The application layer was optimized using managed instance groups and microservices hosted on Google Kubernetes Engine, enabling scalability and efficient resource utilization. Additional services were hosted on Compute Engine virtual machines, seamlessly integrated with a database layer in GCP to ensure consistent performance and data integrity.

Mystifly's applications were further enhanced by integrating third-party solutions for email functionality and marketplace notifications, ensuring reliable communication and streamlined operations. A Virtual Private Network (VPN) connection between GCP and Azure was established to facilitate a secure and efficient database migration process. Compliance management was centralized using Sprinto, enabling Mystifly to meet stringent regulatory requirements.

To enhance system reliability, a Global Cloud Load Balancer was implemented, providing high availability, reduced latency and design redundancy. Access management was refined using Google Cloud Identity and Access Management (IAM) policies, ensuring secure and role-based user access. Additionally, a continuous integration framework was deployed to support agile development practices and promote seamless deployment cycles. This holistic approach empowered Mystifly to optimize its operations while maintaining a secure and scalable cloud environment.

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The travel industry is at a pivotal point as we shift from legacy technology and processes to intelligent systems to power modern retailing and personalized travel experiences.”

Rajeev Kumar, CEO, Mystifly



Outcomes

Significant cost reduction

NTT DATA brought a wealth of technical expertise and strategic foresight to Mystifly's cloud transformation journey. With deep proficiency in cloud migration and infrastructure as code (IaC), the team designed and implemented a scalable and secure infrastructure tailored to meet complex business needs. NTT DATA's mastery of cost optimization strategies enabled Mystifly to harness the full potential of Google Cloud's pricing models and credits.

Additionally, the team's strong focus on compliance, governance and operational excellence ensured the migration aligned seamlessly with Mystifly's goals. By leveraging our collaborative approach and commitment to delivering within tight deadlines, NTT DATA demonstrated its ability to handle complex projects with precision and reliability, solidifying its position as a trusted cloud partner.

Highlights

- **Efficient migration of critical environments**
Successfully transitioned four key environments to GCP using IaC
- **Cost optimization**
Achieved significant cost reductions through GCP's pricing, cost optimization features and credits
- **Raised operational standards**
Maintained compliance and improved operational excellence with Google Cloud's robust infrastructure
- **Recognition for seamless delivery**
Commended by Google and Mystifly's leadership for flawless execution

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