

Case Study

Cloud Migration to Microsoft Azure



To respect the privacy of our customer, we have kept this case study anonymous. Our customer provides a diverse set of online media services to an extensive audience.

OUR CUSTOMER SOUGHT TO:

- Migrate their on-premises infrastructure to Microsoft Azure's public cloud offering
- Increase the elasticity, availability, and connectivity of their infrastructure
- Distribute their workloads to remove bottlenecks in operational processes

REQUIREMENTS: EFFICIENCY, SCALABILITY, AND HIGH-AVAILABILITY

Before consulting CloudOps, our customer ran their website through an on-premise, legacy technology infrastructure. This was difficult to manage, caused weekly outages and lacked 24-hour monitoring. Any changes were dependent on one staff member, which created a bottleneck for business and slowed their ability to release features and attend to unforeseen issues.

The customer often found it difficult to estimate their website traffic due to significant spikes throughout the day following noteworthy events. Their technical teams had to overprovision their infrastructure as a result, but they needed a cloud infrastructure that could elastically handle these unexpected super peaks.

"We produce a lot of material that is uploaded to the site and our listeners have high expectations for their experience."

— THE CUSTOMER'S DIRECTOR OF DIGITAL OPERATIONS

Our customer's business model depends on the efficiency, scalability, and availability of their technology infrastructure as their customers expect a high-quality experience free of lags or interruptions. They needed to modernize their infrastructure as they expanded the number of stations in their portfolio to respond to a growing demand for online streaming.

SOLUTIONS:

Cloud Migration

Our customer partnered with us for our expertise in building and operating a cloud infrastructure. They adopted a hybrid cloud infrastructure that leverages on-premise facilities and Microsoft Azure's public cloud offering.

Containerization

Alongside a migration to the cloud, our customer containerized their infrastructure using Kubernetes, an open source container orchestration system. As an early adopter of Kubernetes, they ran initial development and user feedback cycles. CloudOps successfully implemented core mechanisms for deploying and operating containerized workloads, translating to greater elasticity and faster speeds. Microsoft Azure has since made a significant investment in AKS (Azure Kubernetes Service), a managed Kubernetes offering, allowing for an easy transition to a managed Kubernetes environment. The customer has benefited from the increased security, cost reduction and the peace-of-mind that SLAs offer.



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Connectivity

This solution was networked through a data centre that gave them secure, dedicated, and predictable connectivity with Azure. The cloud migration simplified this connectivity, reducing mean time to recovery. Connectivity to the UX was essential for the customer's application development and security.

MANAGED SERVICES:

CloudOps currently maintains the customer's application platform through 24x7 DevOps managed services. CloudOps is responsible for provisioning the underlying infrastructure and quickly resolves any problems in the application platform layer without affecting the application's code. This supports a continuous integration and continuous delivery (CI/CD) pipeline. The customer's technical teams can now access a highly resilient platform with minimal effort. They can focus on their respective roles without worrying about the health, performance, and security of the infrastructure being used.

The successful recreation of their website in the cloud achieved their goal of improved scalability and reliability. Additionally, the application platform saw improved feature velocity, security, and usability, and now has 99.99% reliability. Workloads no longer pass through a bottleneck and issues are resolved much more efficiently. The infrastructure can respond dynamically to fluctuations in demand and has been able to support the customer's growing business operations.

Click here to learn more about how CloudOps can help you build and execute a cloud migration strategy that will modernize your application.

Contact us to find out if your organization is eligible for a free cloud migration.

With over fifteen years of experience working with open source, cloud platforms, networking, and DevOps, **CloudOps** is in a unique position to help businesses thrive in today's data-driven software economy. We help businesses successfully adopt and operate cloud platforms, taking advantage of self-service, utility economics and the API-automated, continuous delivery of IT. As a member of the Cloud Native Computing Foundation (CNCF) and the Linux Foundation Networking (LFN), CloudOps is actively involved in open source communities. CloudOps is also a Kubernetes Certified Service Provider (KCSP) and a Kubernetes Training Partner (KTP), providing consulting, training, and managed services for cloud native and DevOps practices and deployments.



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