

Achieving Remarkable Cost Savings: A Case Study on IT Operations Review, Service Optimisation, and Supplier Management

Background:

This case study examines how we help a client, to achieve improved efficiency, and reduced costs by reviewing their physical and cloud-based servers, consolidating their infrastructure, replacing outdated hardware, and transitioning cloud-based assets back to on-premises physical devices.

The client, a mid-sized, US-based manufacturing enterprise, had been experiencing inefficiencies and escalating costs due to a complex mix of ageing physical servers and cloud-based resources. The company realised the need for a comprehensive review of its infrastructure to identify opportunities for improvement, reduce costs, and boost overall efficiency.

Engagement Approach:

Server Review and Assessment

The first step involved a thorough review and assessment of the client's physical and cloud-based servers. This process included:

- Analysing server utilisation to identify underutilised or over-provisioned resources.
- Assessing the performance and capacity of existing hardware.
- Evaluating the cost structure of cloud-based services to determine areas of potential savings.

Infrastructure Consolidation

Based on the server review and assessment, the client implemented a server consolidation strategy to streamline their infrastructure:

- Identifying underutilised servers and migrating their workloads to better-performing hardware.
- Decommissioning redundant or outdated servers, resulting in reduced maintenance costs and power consumption.
- Consolidating cloud-based workloads where possible to minimise the number of virtual machines and reduce costs.

Hardware Replacement

The client then replaced their ageing hardware with modern, energy-efficient servers. The benefits of this approach included:

- Improved server performance, leading to faster application response times and enhanced user experience.
- Reduced power consumption and cooling requirements, resulting in lower energy costs.

- Enhanced scalability and flexibility, enabling the company to accommodate future growth and changing business requirements.

Cloud-to-On-Premises Transition

After evaluating the cost structure and performance of their cloud-based assets, the client agreed to transition some of these resources back to on-premises physical devices. This decision was driven by several factors:

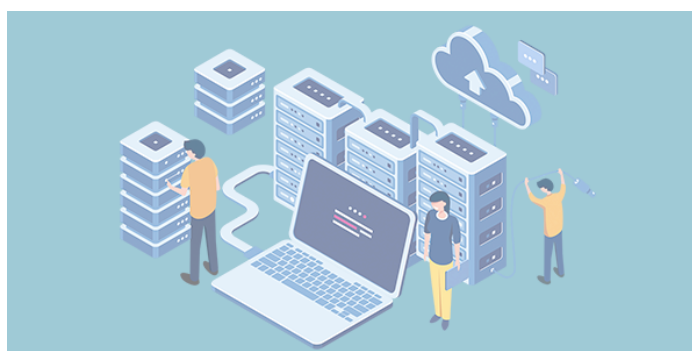
- Cost savings: The company saw that certain workloads could be more cost-effectively hosted on-premises.
- Data security and compliance: Moving sensitive data back on-premises allowed for better control and adherence to regulatory requirements.
- Improved performance: the client found that some applications performed better on physical hardware due to reduced latency and network overhead.

Results and Impact:

As a result of the server review, infrastructure consolidation, hardware replacement, and cloud-to-on-premises transition, the client, with our advice and guidance, achieved significant cost savings and improved operational efficiency. These changes not only reduced the company's overall IT expenditures but also enhanced system performance, scalability, and security.

Conclusion:

This case study highlights the value of conducting a comprehensive server review and implementing strategic infrastructure changes. By consolidating servers, replacing outdated hardware, and transitioning cloud-based assets back to on-premises devices, the client streamlined their infrastructure, reduced costs, and improved overall efficiency, positioning themselves for continued success in a competitive market.



Note. All parties have had their company names withheld to protect privacy & NDA's.

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