

# PROVET refreshes its end-of-life infrastructure creating a dual cloud solution, optimising costs and enhancing its efficiency and security



## Executive Summary

PROVET is the leading Greek company in the field of manufacturing, trade and distribution of veterinary medicinal products for livestock and small animals, nutritional products for livestock and pet food and accessories for companion animals.

PROVET's IT team wanted to replace the hybrid (on-premises / cloud) infrastructure with a dual cloud solution (Azure and AWS), for increased resilience, efficiency, and cost optimization.

LCM Go Cloud designed a secure, high-performing, resilient, and efficient AWS infrastructure to meet the specific project requirements without changing the existing company workflows.

The solution seamlessly integrates with the on-premises work environment as well as the Azure one.

PROVET implemented its Windows workloads on AWS in only 3 weeks, saving time and effort, currently

- Enjoying elasticity, high availability and durability
- Experiencing optimised storage costs
- Having refreshed its end-of-life infrastructure with state-of-the-art managed services, simultaneously enhancing the company's level of security and data protection



Company: PROVET

Country: Greece

Website: <http://www.provet.gr/>

## About PROVET

**PROVET is the leading Greek company in the field of manufacturing, trade and distribution of veterinary medicinal products for livestock and small animals, nutritional products for livestock and pet food and accessories for companion animals**

**Since 1973, thanks to its capability to efficiently manage its resources and know-how, the company has steadily grown to being the reference point for the veterinarian, the producer and the trader of the specialized distribution channel.**

**Guided by its customer-oriented mentality, as well as its focus on the achievement of the best possible care and welfare of animals, PROVET has today more than 100 registered trademarks, and exports products to more than 30 countries worldwide**



## The Challenge

PROVET business has been supported by a small sized on-premises IT infrastructure, approaching end-of-life, consisting of a domain controller, a file server and a print server running on Windows Server 2008, with a file storage capacity of approximately 2TB.

The company's users had already been working in the cloud with Office 365 (including e-mail functionality) and SoftONE's SaaS ERP.

PROVET's IT team wanted to replace the hybrid (on-premises / cloud) infrastructure with a dual cloud solution (Azure and AWS), for increased resilience, efficiency, and cost optimization.

The solution had to provide for

- Azure Active Directory synchronization
- File Server functionality with a capacity of ~ 2TB for master production files
- Backup capabilities
- Secure connectivity with the on-premises environment

## Why AWS

AWS delivered all the necessary ingredients for the development of the requested solution by PROVET, i.e.

- a secure, durable, elastic, and managed environment
- Site-to-site VPN to seamlessly connect on-premises to AWS Cloud and replace the physical file server with a managed file server solution
- the integration potential with the full breadth and depth of AWS services
- a pay as you go and only for what you need basis and the ability to continuously optimize towards cost efficiency.

## Why PROVET Chose LCM Go Cloud

LCM Go Cloud adds value to customers with a wide range of services from cloud benefits identification, to designing a comprehensive road map towards cloud adoption, cloud migration, and continuous optimization. Additionally, LCM Go Cloud, which is founded and led by experienced senior consultants and executives, has deep understanding of manufacturing processes and IT systems, as well as broad experience of migrating and modernizing Microsoft-Workloads such as Windows and MS-SQL servers on AWS.

## The Solution

The solution designed by LCM Go Cloud, in co-operation with PROVET IT team, built up on the scalability, durability, elasticity, and security of the AWS environment.

LCM Go Cloud designed a secure, high-performing, resilient, and efficient AWS infrastructure to meet the specific project requirements without changing the existing company workflows. The solution seamlessly integrates with the on-premises work environment as well as the Azure one. The solution comprises of

- a Virtual Private Cloud (VPC) in the Frankfurt region connected with the on-premises environment via a secure Site-to-Site VPN, and with Azure via an Internet Gateway, hosting a Fortigate firewall on an EC2 instance in a private subnet for enhanced security
- a Microsoft AD on EC2 instances deployed across two Availability Zones, within the company's Amazon Virtual Private Cloud (VPC), synchronized with PROVET's Active Directory in Azure and on-premises
- an Amazon FSx for Windows File Server, a fully managed AWS service providing lower storage costs by up to 60 percent with data deduplication and compression, and strengthening data protection with encryption, versioning, file access auditing, and automated backups
- an S3 bucket for backup storage and logs storage
- AWS Identity and Access Management (IAM) to control the actions that users and groups take on specific Amazon resources
- AWS CloudWatch for continuously managing and monitoring the AWS environment

End users seamlessly connect to the file server to access or save files, as if this is another drive on their desktops.

At the same time, the IT team does not have to worry about patching, upgrading, deduplicating, encrypting, and backing up the file server, and runs the company's Active Directory in multiple locations having the ability to counteract to any point of failure scenario.





## Results and Benefits

PROVET implemented its Windows workloads on AWS in only 3 weeks, saving time and effort, currently

- Enjoying elasticity, high availability and durability, since Amazon FSx automatically copies data within the Availability Zone (AZ) it resides in to protect it from component failure, continuously monitors for hardware failures, and automatically replaces infrastructure components in the event of a failure
- Experiencing lower storage costs with data deduplication and compression, and strengthening data protection with encryption, file access auditing, and automated backups
- Has refreshed its end-of-life infrastructure with state-of-the-art managed services, simultaneously enhancing the company's level of security and data protection

## Next Steps

Having a positive experience with migrating workloads on AWS, PROVET's IT team is considering potential next steps on AWS, such as:

- Additional backup functionality on AWS, taking advantage of S3 features
- AWS End User Computing technologies for remote working for as many, and as long, it is needed

## About LCM Go Cloud

We are an AWS Advanced Consulting Partner with deep business and technical knowledge, experience, and proven success in delivering AWS services to customers. We deeply understand the challenges that businesses are facing either in trying to modernize their workloads or in implementing new workloads and business ideas, because we carry extensive knowledge in managing, running, and restructuring big businesses, as well as in successfully migrating and modernizing Microsoft Workloads on AWS Cloud. Our Teams analyze customer needs, design their AWS cloud solution and architecture, produce solid ROI estimates, and implement tailor-made solutions delivering top user experience, increased productivity, upgraded security, and cost optimization.

