



About VolyGroup

<https://www.volygroup.com/>

VolyGroup is a leading provider of financial management solutions for the yacht and luxury asset management industries. As their customer base grew, VolyGroup sought to move from their on-premises infrastructure to a more scalable and resilient cloud environment. They needed a solution that would enhance performance, improve scalability, and reduce operational complexity.

Problem Statement (Customer Challenges)

VolyGroup's primary challenges included:

- **Scalability Limitations** - Their on-premises infrastructure could not easily scale to meet increasing business demands, resulting in resource constraints and performance bottlenecks.
- **High Maintenance Costs** - Maintaining the on-premises infrastructure was costly and required a significant investment in hardware, networking, and staff resources.
- **Operational Complexity** - VolyGroup faced difficulties in managing infrastructure at scale, leading to inefficiencies and a slower pace of innovation.
- **Need for Modernization** - To stay competitive and agile, VolyGroup wanted to adopt modern technologies such as containers and serverless architectures for flexibility and faster deployments.

Proposed Solution

CloudiQS guided VolyGroup through a comprehensive migration plan, transitioning their infrastructure from on-premises to AWS. Our solution included the following key steps:

AWS Migration - We performed a lift-and-shift migration of VolyGroup's core applications to AWS. Leveraging AWS services like EC2 and S3, we ensured a smooth transition with minimal disruption to business operations.

Refactoring for Containers - To enhance scalability and reduce operational overhead, we refactored their applications to use Docker containers, orchestrated with Amazon

Elastic Kubernetes Service (EKS). This allowed VolyGroup to run and manage their applications more efficiently in a scalable environment.

Serverless Implementation - We introduced serverless technologies such as AWS Lambda and API Gateway for parts of the application that required event-driven architectures, enabling faster processing and cost efficiency.

CI/CD Pipeline - To streamline deployment and reduce downtime, we implemented a continuous integration and continuous deployment (CI/CD) pipeline using AWS CodePipeline and CodeBuild. This enabled rapid development and automated testing across their infrastructure.

Cost Optimization - Using AWS Cost Explorer and Trusted Advisor, we continuously monitored resource usage and optimized it to ensure cost efficiency while maintaining high performance.

Outcome & Results

VolyGroup's migration and modernization led to several significant improvements:

- **Increased Scalability** - With their applications running in containers and serverless environments, VolyGroup can now scale effortlessly to meet increased demand, improving performance during peak usage periods.
- **Reduced Operational Costs** - By migrating to AWS and adopting serverless technologies, VolyGroup saw a 30% reduction in operational costs, eliminating the need for expensive hardware and reducing the cost of managing infrastructure.
- **Improved Agility and Innovation** - The move to containers and serverless, combined with automated CI/CD pipelines, enabled VolyGroup to innovate faster, with quicker deployments and fewer disruptions.
- **Simplified Infrastructure Management** - AWS services and automation simplified the management of VolyGroup's infrastructure, reducing operational complexity and allowing the team to focus on delivering business value.

About CloudiQS

CloudiQS quickly solves core business problems and drives disruptive change by applying the latest automation technologies in AWS infrastructure, Data Analytics, AWS architecture, and DevOps. We design, deploy, integrate, and manage rapid migration and transformation solutions to accelerate enterprise data platform migrations using automation. CloudiQS offers a range of services including AWS security, cost optimization, machine learning (ML/AI) managed services, and comprehensive AWS migrations. We support SMBs, startups, and corporate clients, ensuring scalable, secure, and efficient cloud environments tailored to their needs.