Cost Monitoring, Budgeting and Optimization on AWS

Case Study

February 2025

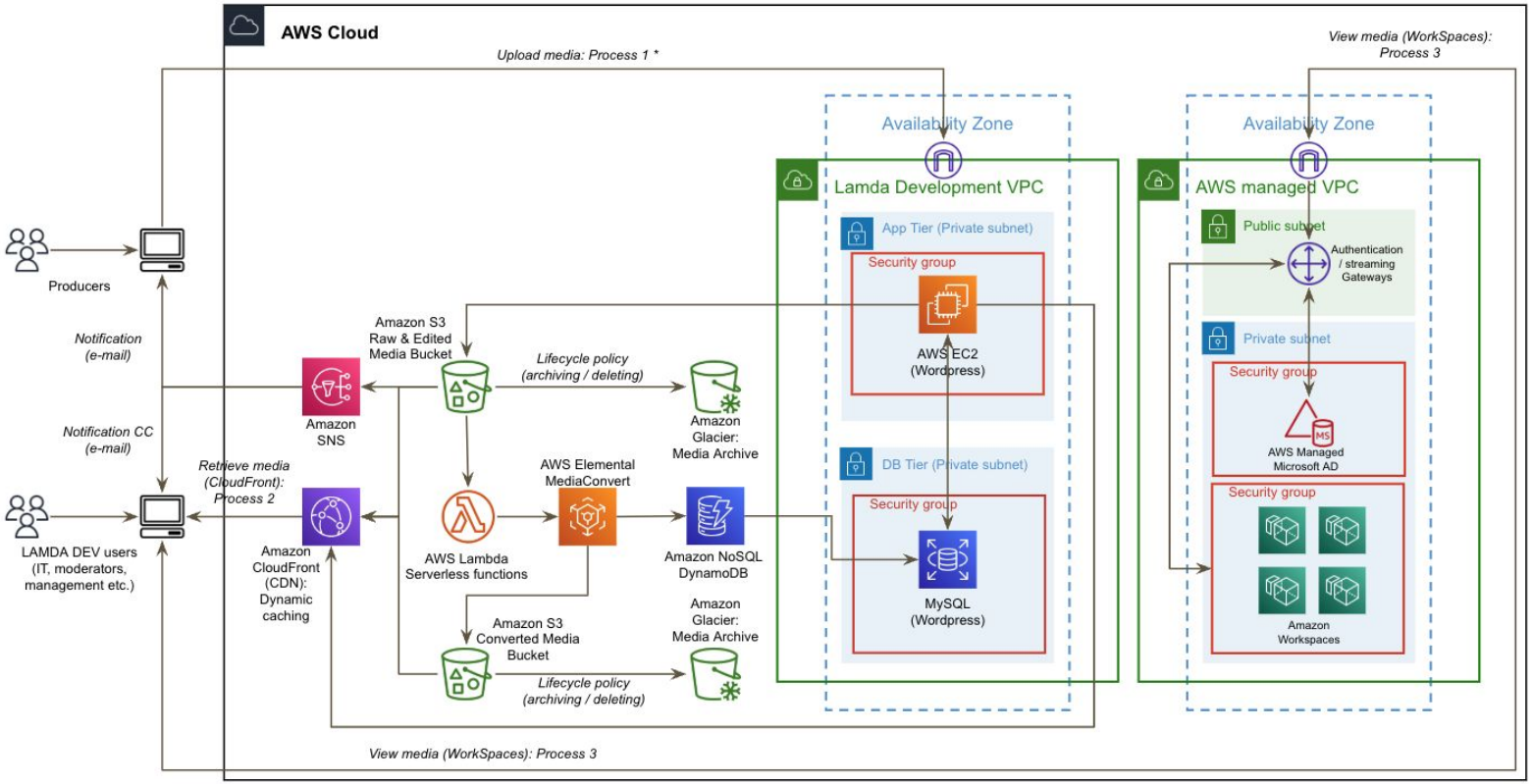
Who is Lamda Development?

- LAMDA Development specializes in property development, investment, and management throughout Greece
- With global partnerships, spearheaded by LAMDA Development, The Ellinikon stands as the most substantial privately financed investment in Greek history

What is the Ellinikon Media Management Platform on AWS?

- A secure, scalable, and managed AWS environment designed to document the evolution of the Ellinikon Project
- Enables seamless uploading, storage, categorization, optimization, retrieval, collection, downloading, and sharing of millions of Ellinikon videos
- Operates on a cost-effective, pay-as-you-go model, ensuring payment only for the resources used
- Continuously fine-tunes service parameters to maximize cost efficiency

Which is Ellinikon Media Management Platform Architecture?



Why the Ellinikon Media Management Platform Cost Optimization matters?

Maximize ROI

Improve Scalability and Agility

Align Costs with Business Needs

Enhance Performance

Meet Financial and Compliance Goals

Support Innovation

Prevent Overspending

Why is AWS the most cost efficient cloud platform?

Pay-as-you-go

Auto-scaling

Savings Plans

Spot Instances

Cost Management

Storage lifecycle policies

Efficient resource utilization

Which were the Cost Efficiency Challenges?

- Optimize video sizes to enhance accessibility and reduce storage requirements
- Implement advanced video lifecycle and archiving management strategies for efficient storage utilization
- Efficiently manage video metadata to enable intelligent and rapid retrieval
- Ensure content security with robust encryption both in transit and at rest
- Proactively monitor costs and provide alerts to prevent budget overruns

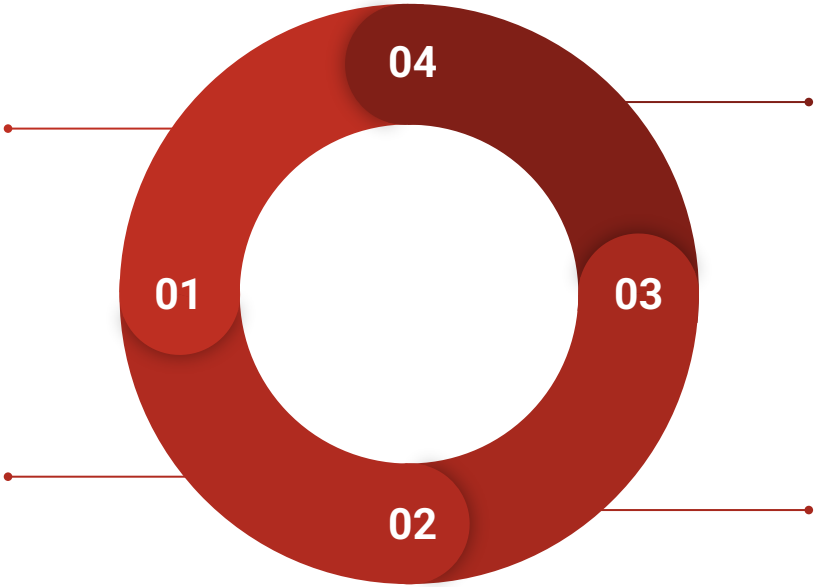
Which are the benefits?

Fine tune Lifecycle policies

Established an optimal balance between preserving necessary video versions, preventing unintentional deletions, and minimizing storage costs

Optimize computing power

Optimized shareable collections for editing advanced videos, utilized parallel processing for efficient video zipping, and leveraged Amazon RDS for advanced metadata storage



Create budget alerts

Set budgets with alerts and detect cost anomalies to notify when forecasted costs or usage exceed the budgeted amounts, and fine-tuned them for specific AWS services such as storage, compute power, outbound traffic, etc., as well as custom time periods

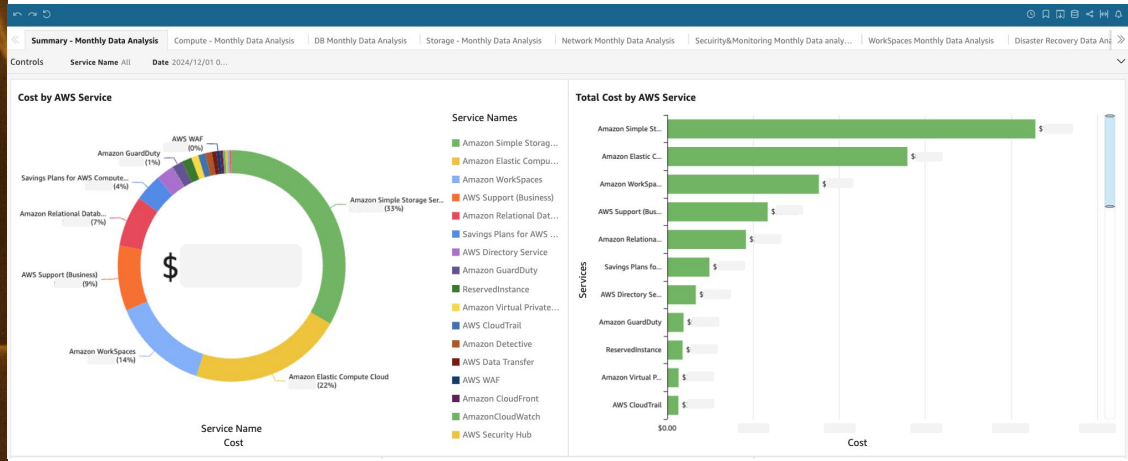
Right-size resources and their on-demand use

Fine-tuned resource sizing based on actual usage and implemented automated shutdowns and restarts aligned with user access patterns

What is the Outcome?

(dashboard examples)

Monthly Total Costs Summary



Monthly Compute Costs Analysis

Who is LCM Go Cloud?

We are a leading **Advanced AWS Partner**

We add value to you with a range of services ranging from cloud benefit identification, designing a comprehensive road map towards cloud adoption, cloud migration, continuous optimization as well as to quick wins implementation

Our multiple AWS accreditations and certifications validate our deep understanding of the AWS services, best practices, and programs to effectively address your business and technical needs

Thank you!
Any Questions?

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