



Mini CDN economica e scalabile con Azure Storage Account

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Photo by Alesia Kazantceva on Unsplash

John

**Solution Architect** 

#### A day like many others, in a company like many others...

Jane Project manager

# The requirements

- We produce an average of 100 Mb of new contents every hour in two different locations
  - Contents are frequently accessed in the first 10 days, very rarely after a month, and can be deleted after 1 year
  - The contents cannot be deleted for 10 days after publication
  - The maximum downtime in a single month must be under 5 minutes
- The costs must be kept to a minimum
- We need daily statistics on the number of contents available, and on the space occupied



#### The solution





#### **Access Tiers**

Azure storage offers different access tiers so that you can store your blob data in the most cost-effective manner based on how it's being used.



#### Access Tiers





# **Blob Lifecycle Management**

Azure Storage lifecycle management is a **rule-based policy** that allows you to "move" blob data to the appropriate access tiers or to expire data at the end of the data lifecycle.

A lifecycle management policy is comprised of one or more rules that define a set of actions to take based on a condition being met.

# Blob Lifecycle Management





# **Object Replication**

Object replication asynchronously copies block blobs between a source storage account and a destination account.





# **Object Replication**





# Storage Inventory

Blob inventory feature provides an overview of your containers, blobs, snapshots, and blob versions within a storage account managed by Azure.



## Storage Inventory



![](_page_17_Picture_0.jpeg)

## Immutable Storage

Immutable storage for Azure Blob Storage enables users to store business-critical data in a **WORM** (**Write Once, Read Many**) state.

While in a WORM state, data cannot be modified or deleted for a user-specified interval.

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![](_page_18_Figure_3.jpeg)

#### Immutable Storage

![](_page_19_Figure_1.jpeg)

## The solution

![](_page_20_Figure_1.jpeg)

#### DEMO

#### Storage Content Platform

<u>GitHub repo</u>

![](_page_21_Picture_3.jpeg)

![](_page_22_Picture_0.jpeg)

### SLA of the solution

![](_page_23_Figure_1.jpeg)

![](_page_24_Picture_0.jpeg)

#### Costs

![](_page_25_Figure_1.jpeg)

# Feature-to-Requirement mapping

![](_page_26_Figure_1.jpeg)

![](_page_27_Picture_0.jpeg)

![](_page_28_Picture_0.jpeg)

# GRAZIE

![](_page_28_Picture_2.jpeg)

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![](_page_28_Picture_5.jpeg)

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