



Object storage and innovation as building blocks for sync & share applications

Andrea Marchi

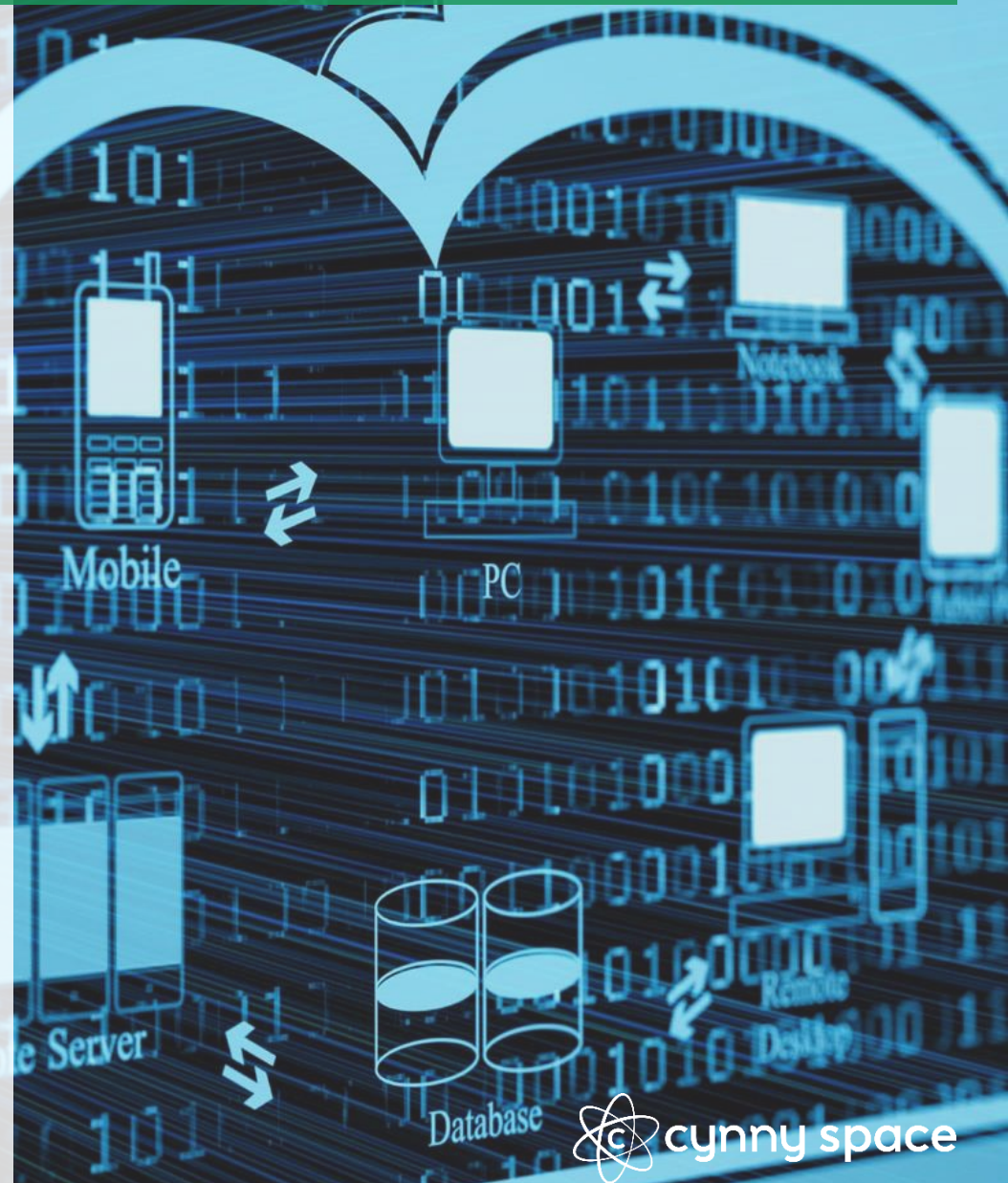
Why Cloud Object Storage?

80% of the data is unstructured
(files, not database)

Object Storage is consumed directly by applications

Metadata to organize data
for flexibility and faster access


Infinite scalability
without intervention



Cynny Space: a new approach to Cloud Storage



**ARM[®] powered
microservers**



**Organic
File system**

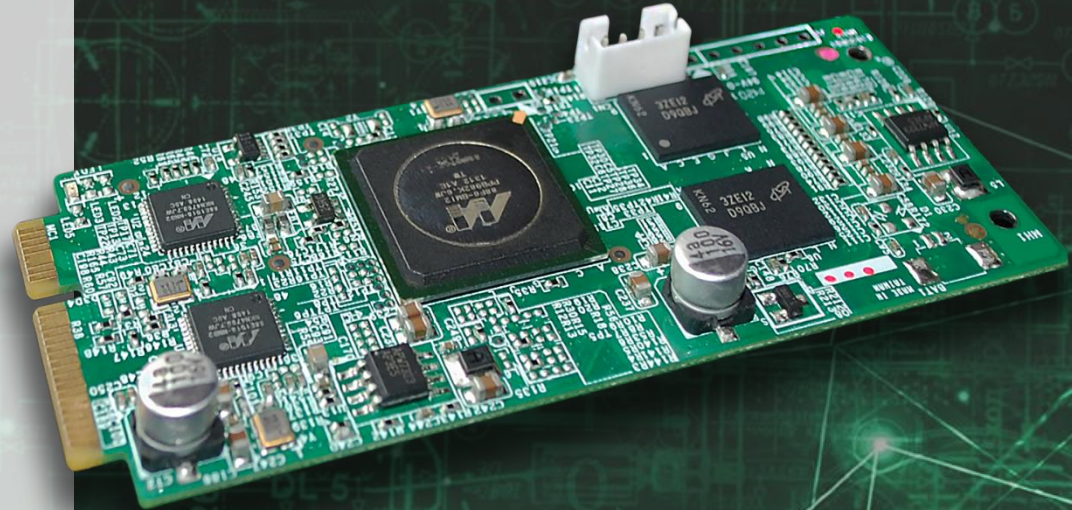
The first Cloud Object Storage based on ARM® technology

The first micro-server
built with ARM® CPU

A complete server
only 8,3 x 3,4 cm

High energy efficiency
1,7 Watt per micro-server

Designed specifically
for cloud storage



Cynny Space infrastructure

1:1 ratio
between CPU to storage

500 nodes
working in parallel

4,4 Petabyte of storage space
in the rack

High throughput
thanks to nodes parallelism



Filesystem behaves like an organism (or Swarm Intelligence)

Distributed filesystem
with organic/swarm intelligence

No single point of failure
to enhance durability

Automatic migration of data
in case of a node failure

Infinite scalability
without intervention

The result: efficient by design

Power efficient
thanks to ARM® technology

Customized hardware
costing up to 3 times less

High density
decreasing colocation costs

Low maintenance costs
thanks to organic-like filesystem

1/4

Cynny Space
price vs. market
leaders



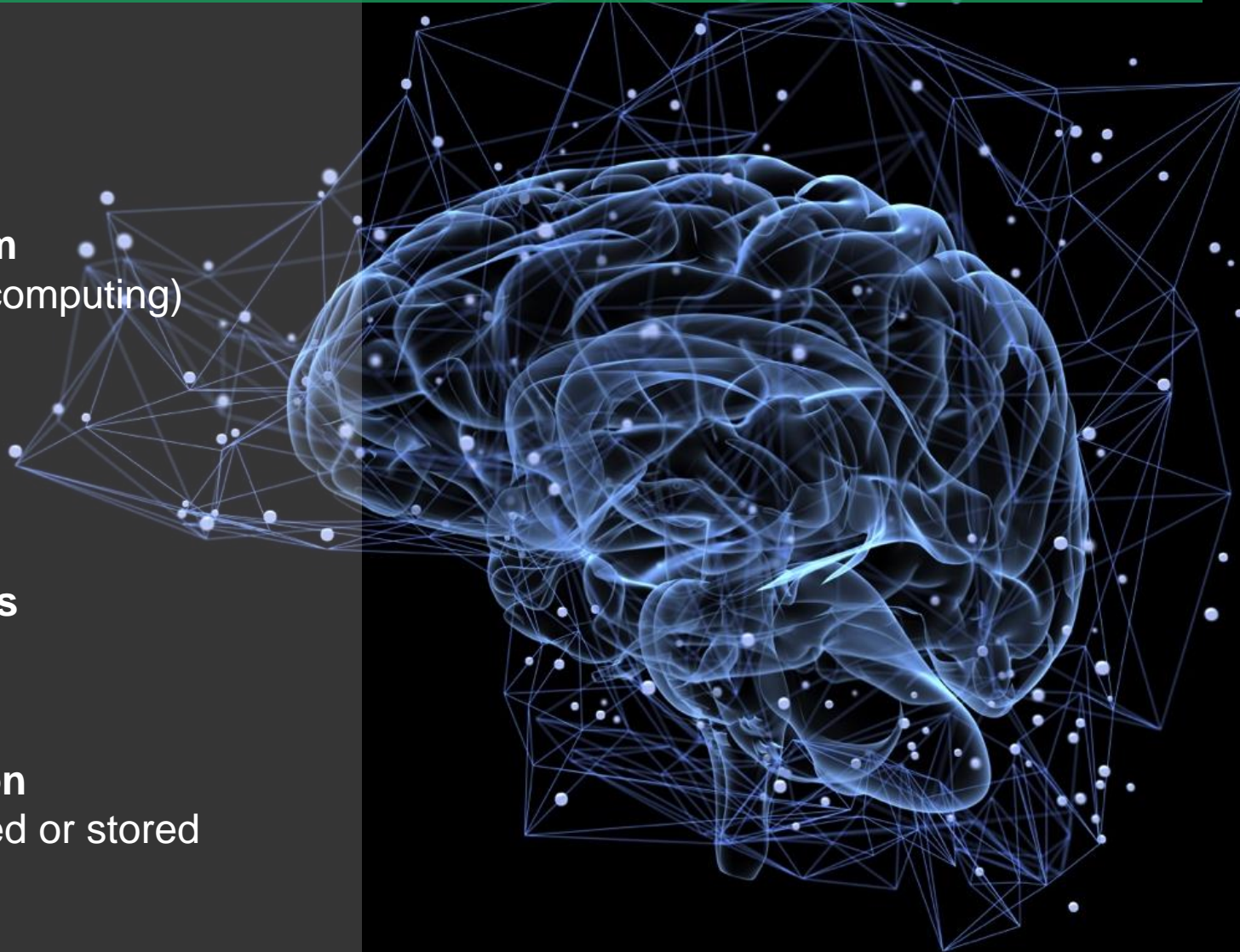
The result: enhanced data durability and security

Distributed filesystem
on all nodes (organic computing)

99,999999999%
Data Durability

Data stored in chunks
and across 500 nodes

End-to-end encryption
keys are not transmitted or stored



The result: sustainable object storage

Energy efficiency

4 Watts to store 1TB net

1/3 of energy consumption

compared to traditional storage

7 Kilowatts power

for a 4 PB rack (peak consumption)

74.8 Kg of CO2 reduced

per each TB stored for a year



100% European provider

Data will never leave Europe
Datacenters in France, Italy,...

General Data Protection Regulation
requires companies to store data of
European citizens within the EU

Cynny Space one of the few
100% European providers

What can Cynny Space do for you?

4 layers of integration

easy integration and S3 compatible

Cost efficient repository

to store data

Secure and durable storage

End-to-end encryption, EU storage

Public or Private cloud solution

for highest degree of control





Meet with us @ CS3



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