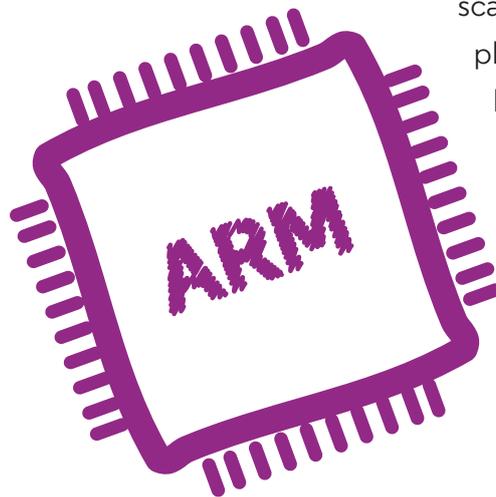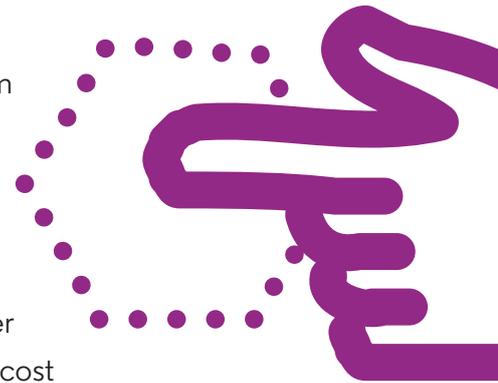# OpenIO

So **you** Start · OVH

Flexible and scalable S3-compatible storage on dedicated ARM servers

SCENARIO

By partnering with SoYouStart, a dedicated server provider built on OVH's infrastructure around the world, OpenIO has been able to demonstrate the benefits of an innovative ARM-based, and affordable, storage solution that can quickly scale from three to an unlimited number of nodes.

OpenIO SDS Object Storage platform with dedicated SoYouStart ARM servers is a flexible private cloud storage solution. An S3-compatible storage infrastructure ideal for a wide range of uses, offering full control over data, but without the complexity and cost found in other solutions.

OpenIO SDS is a next-generation object storage solution with a modern, lightweight design that associates flexibility, efficiency, and ease of use. It is open source software, and it can be installed on ARM and x86 servers, making it possible to build a hyper scalable storage and compute platform without the risk of lock-in. It offers excellent TCO for the highest and fastest ROI.

KEY BENEFITS

Starts small

Minimal configuration supported starts at three nodes, allowing end users with the smallest storage needs to take advantage of object storage at reasonable prices.

Flexible

SoYouStart offers ARM-based servers in European and North American datacenters, allowing end users to be compliant with local laws and regulations
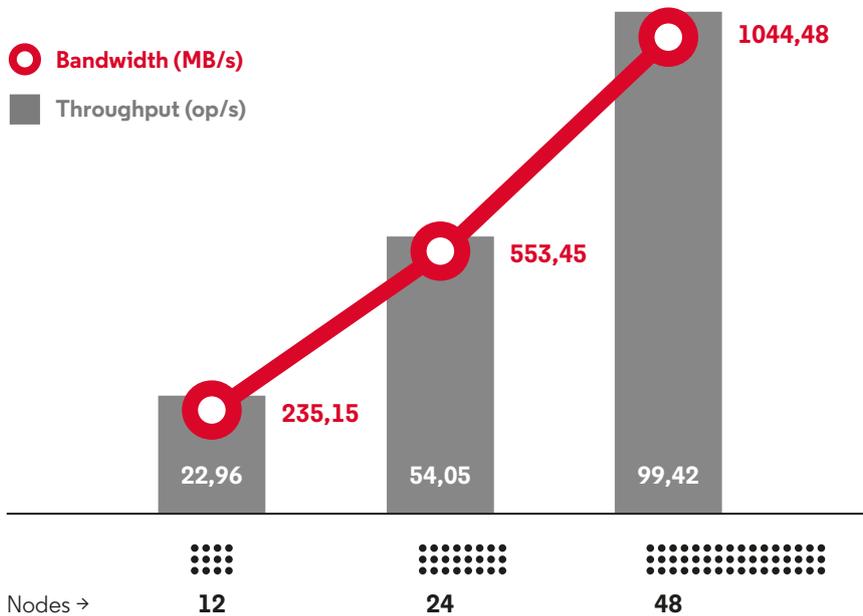
Scales quickly

OpenIO team demonstrated a 48-node configuration to take advantage of erasure coding and parallelism. Scaling linearly from small to larger configurations is just a matter of minutes.

Pay-as-you-go

OpenIO SDS and SoYouStart are based on a subscription model for licenses and services. Allowing the customer to pay only for what is really needed.

10MB objects | 100% read

○ **Bandwidth (MB/s)**

▬ **Throughput (op/s)**

235,15

22,96

553,45

54,05

1044,48

99,42

Nodes → **12**   **24**   **48**

Key takeaways

ARM Flexibility
SoYouStart ARM servers are inexpensive and can be the base of an interesting hardware infrastructure to build next generation private cloud services.

Perfect for developers
A compelling solution for development and testing scenarios. Helps to test real world environments quickly with a scalable and inexpensive infrastructure.

Avoid lock-ins
These solutions allows end users to maintain full control of data while avoiding lock-in, and provide services at a reasonable price.

Specifications

- Full fledged OpenIO SDS object store with Standard or Premium subscription, ready to support additional applications and workloads, like backup or archiving.
- S3 and Swift compatible object storage configuration specifically designed for development and testing.
- Tested and certified by SoYouStart and OpenIO.

- Limited failure domain, with one HDD per ARM node
- SoYouStart ARM servers, for a quick deployment and ease of management.
- CLI, API and WebUI for the management of the entire infrastructure.
- Pay-as-you-go subscription model both for hardware and software.

Support and Services

- 24/7 technical support
- Experts dedicated to storage solutions
- Proactive support
- Capacity planning
- Benchmarking
- Direct level 3 support access

Get in touch

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