

HA Block, File & Object Storage

- On- & Off-Site Data protection
- CIFS/SMB, NFS, FC, iSCSI, S3
- Backup/Instant Recovery

Use Case

**EXOS™
CORVAULT™**

Increasing Requirements for 24/7 Operation

Being on standby around the clock has become the standard for the vast majority of companies these days. However, resources remain limited. The competition between investing into equipment or human intelligence needs to be balanced accordingly, to optimize the benefit.

- How long is it affordable to manage each single disk with a single CPU core?
- Are manufacturer colored "standards" only cost effective in the short term, if at all?
- Is the periodical DC walk to replace failed disks a waste of human capacity?

Availability of data is the indispensable foundation to assure business continuity.

- Is it still enough to only rely on time-consuming back-up/restore procedures?
- How long can lost data access take before being out of business becomes certain?
- How many locations with copies of your intellectual property – your data – are mandatory for your business?

A Better Construct of 24/7 Operation

Hardware performance continues to improve significantly.

Therefore give RAID/EC back to the hardware. Blindfold. That's CORVAULT.

ADAPT Erasure Coding (EC) through a storage controller offloads complexity from any software defined storage layer or file system.

Do more with less: Increased availability due to redundant controllers adds even more benefit to the storage.

Achieving the utmost IT operation is still a main concern. Every disk replacement remains an expensive disruption, although data access is not lost.

ADR Autonomous Drive Regeneration enables the storage controllers to intervene and immediately repair defects. Nothing is more effective in acting immediately with the disk.

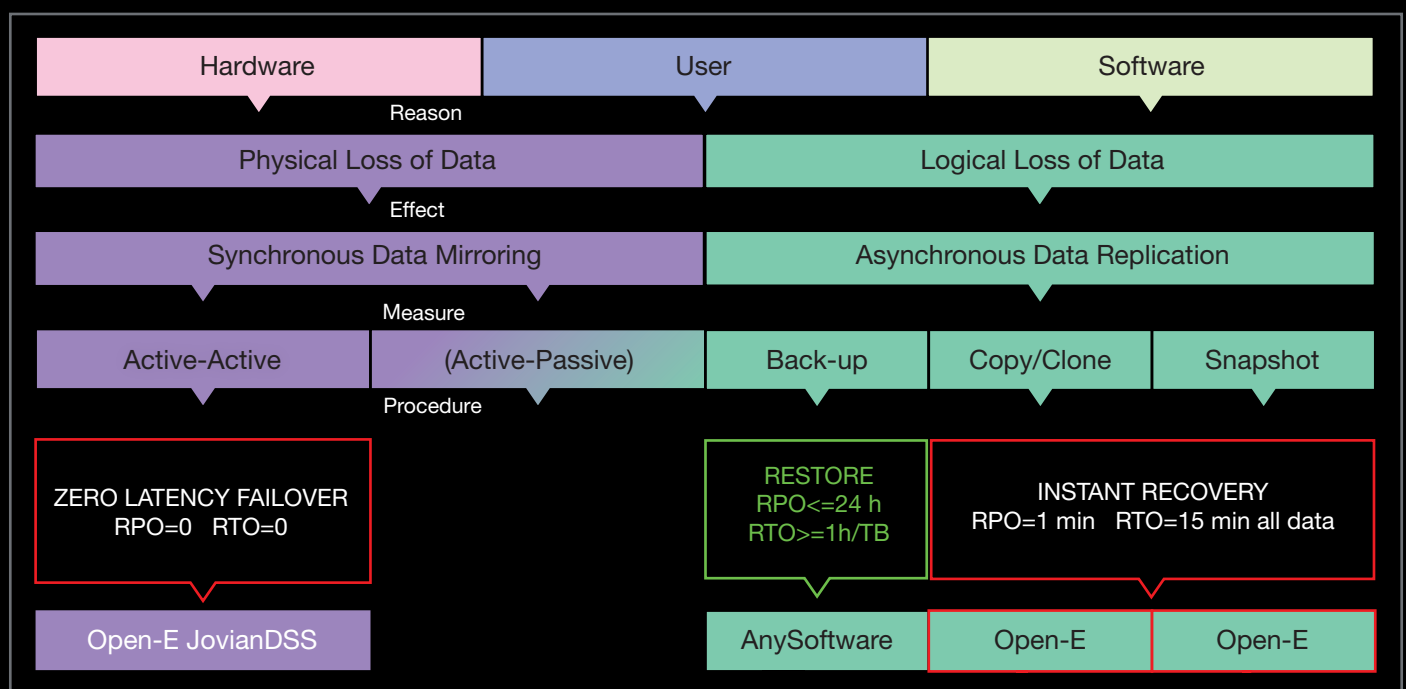
It reads the exclusive disk logs and analytics of the last 1000 hours of operation – data far beyond the simple S.M.A.R.T. status quo values.

The drive logs show just the failed part of the disk – e.g. one of 18 surfaces, one of 18 read/write heads. ADR reformats such drives to 17TB and integrates them back into the array without interruption.

Set the storage and forget it for 5 years. In addition to reduced handling with failed drives, a lot of e-waste is prevented.

Traditional procedures of back-up and restore are no longer adequate to meet today's challenges.

The physical loss of data is well covered by high availability EXOS CORVAULT 99.999%.



However, logical loss of data due to tricky cyber attacks quickly threatens a company's existence.

Immediate reaction determines the outcome. Minimizing the restore and recovery time of data is essential to avoid unpredictable business downtime.

The HA Block- & File-Storage Open-E JovianDSS is a holistic solution to address this challenge. Unlimited, easy to setup, policy-based snapshots and copies allow for an instant recovery of data.

ABC's storage solutions integrate this SDS Software Defined Storage into proven open architecture concepts. More than 30 years of international storage expertise determines the successful solution deployment.

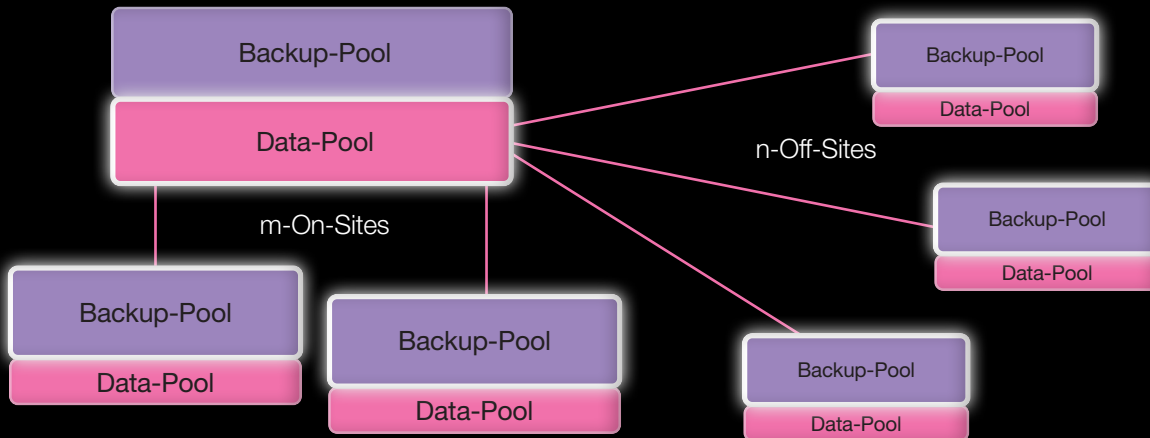
Seagate EXOS CORVAULT has become the key storage box for the HA storage cluster.

The lean design with industry standard systems and components guarantees an excellent price to performance ratio as well as trivial system operation and support. On premise, in the cloud, or remotely – whatever best meets the customer needs.

A Better Concept for 24/7 operation

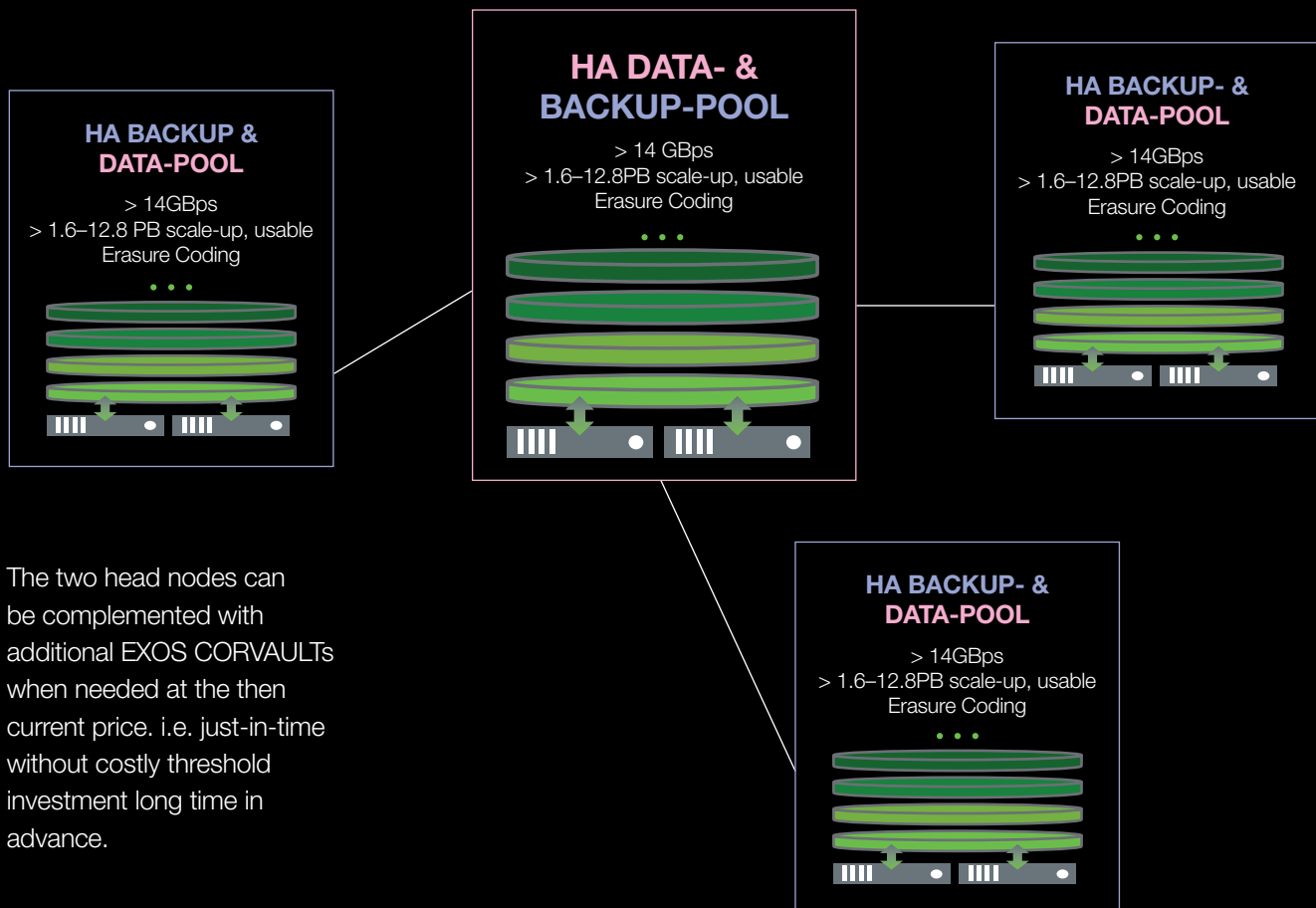
The **HA Block, File & Object Storage** consists of a Data-Pool and a Backup-Pool. Both together can scale-up to > 12PB (18TB HDD).

How many Backup-Pools are to be replicated, whether locally or remotely, only depends on the customer's requirements.



The size of the Backup-Pool is determined by the freely selected number of snapshots and clones over the defined time period.

At any time, data sets of the Backup-Pool can be converted into the productive Data-Pool – assuring immediate continuity.



The two head nodes can be complemented with additional EXOS CORVAULTs when needed at the then current price. i.e. just-in-time without costly threshold investment long time in advance.

A Better Counsel of Partner Choice



The SEAGATE Storage Systems division accumulates the knowledge of:

- XYRATEX – chassis, enclosures
- LSI Storage – SAS management
- DotHill – RAID technology.

The result is a leading portfolio of powerful and well-proven storage systems sold under many big names in the IT industry.



Since 2019, the storage range is directly available to the partner channel. ABC is the first in EMEA to achieve the DIAMOND partner status.

The success is mainly based on the new and innovative EXOS CORVAULT storage, exclusively offered by the direct partners.



Exclusive ADAPT Erasure Coding and unique ADR Autonomous Drive Regeneration make it the compelling storage brick in any storage project to cover growing storage needs economically.

- 2 redundant RAID controllers
- 14GB/s Read, 12GB/s Write
- 106 HDD in 4U
- 8 SAS 12Gbps Host-Ports
- 5 years warranty



ABC was founded in 1981 as an independent system integrator. ABC designs, implements, operates and supports individually optimized DC infrastructures.

The solution design uses open architecture - based on conceptual approaches, standard industry IT systems and components of innovators.

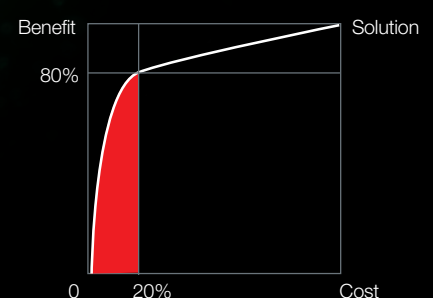
First-class solutions require continuous verification and falsification of industry offerings in order to meet customer's needs.

ABC Approach

The underlying ABC Approach

- achieve 80% of benefit at 20% of the costs –

forces systematic action, thus assuring high efficiency.

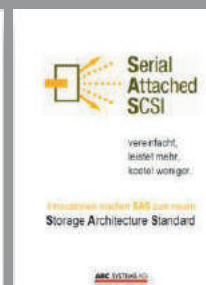


Conceptual initiatives such as ABC Data Pooling, ABC Datadrom, and ABC Speedway Design of storage and server have led to successful standing in the IT industry since 1981 – appearing in numerous publications, e.g.

Basic Technology Reports



5.2000



5.2006



4.2008

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