

# enthus

## Highlights

### Challenges

- Open-source object storage reached architectural scalability limits
- Metadata + capacity on the same disks caused performance bottlenecks
- Customers increasingly expected cloud pay-as-you-go models
- Service reliability required enterprise-grade support and certification

### Solution

- Scality ARTESCA deployed as a vendor-neutral storage backbone for cloud data protection and adjacent workloads
- Enterprise architecture with metadata on NVMe + capacity on HDD
- Multi-protocol support across backup and DevOps workloads on one platform
- Hardened security model with isolated paths and “kill switch” design

## CASE STUDY

### enthus strengthens its cloud backup service with enterprise-grade scalability and pay-as-you-go flexibility powered by Scality ARTESCA



SCALITY



**Andreas Knols**  
Head of Cloud, enthus

enthus is a German mid-market system integrator and managed cloud provider, offering enterprise cloud services from data centers in Frankfurt and Düsseldorf.

With a strong focus on backup, cyber-resilience, and disaster recovery for German-headquartered organizations, the company needed a more scalable foundation for its cloud backup service as data volumes and customer demand accelerated. To support growth, ensure reliability, and modernize commercial models, enthus adopted [Scality ARTESCA](#) as the storage backbone for its cloud-based data protection services.

### Challenges

Existing object storage reached architectural limits and could no longer sustain the growth, performance, and reliability expected from modern cloud backup services.

As more customers adopted cloud backup and cyber-resilience services, enthus began to see architectural pressures on its open-source object storage layer. Metadata and data resided on the same spinning disks, creating resource contention under load. Backup performance and indexing times slowed noticeably, and this signaled that the existing architecture would not scale sustainably to support customer demand.

enthus needed a platform that combined enterprise-grade reliability, multi-protocol interoperability, and pay-as-you-go commercial models without forcing customers to invest upfront in hardware or dedicated resources.

**“As a service provider, reliability and scalability are non-negotiable. We needed a platform with true enterprise architecture, not just open-source software running on commodity hardware.”**

Andreas Knols, Head of Cloud, enthus

## Results

- Reliable performance for cloud customer backups
- Modular scaling without customer hardware investment
- Simplified pre-sales with enterprise certifications & reference designs
- Enabled pay-as-you-go, OPEX rental, and dedicated capacity models
- Platform becomes invisible foundation that “just works”

**“Scality ARTESCA is like a foundation. You never point at a building and say it has a beautiful foundation, but it’s the backbone that makes everything work.”**

**Andreas Knols,**  
Head of Cloud, enthus



For more information, contact Scality  
[artesca@scality.com](mailto:artesca@scality.com)

Visit our website [www.artesca.com](http://www.artesca.com)

**“The key technical feature was how ARTESCA stores metadata on NVMe while using spinning disks for capacity. That was the deciding factor.”**

**Andreas Knols,** Head of Cloud, enthus

## Solution

### Enterprise-grade storage architecture for cloud backup at scale

enthus deployed Scality ARTESCA as the foundation for its cloud backup services, replacing its previous open-source object storage layer.

A key differentiator was ARTESCA’s architectural design: metadata is written to fast NVMe storage while capacity resides on high-density spinning disks. This separation eliminated the resource contention that had limited performance under the previous architecture, restoring reliable performance and enabling sustainable growth.

The solution also provided multi-protocol flexibility. While 98% of workloads use Veeam, enthus can now support customers with different storage devices, Commvault, and internal DevOps storage use cases — all on the same platform.

enthus also designed a hardened security posture with isolated data paths and the ability to enforce a “kill switch” for cyber-resilience scenarios, providing elevated assurance to regulated customers, such as healthcare providers.

**“With ARTESCA we can offer pay-as-you-go, reserved capacity, or dedicated systems. That flexibility is a big differentiator in pre-sales.”**

**Andreas Knols,** Head of Cloud, enthus

## Results

### Reliable performance and commercial flexibility for mid-market customers

With ARTESCA in place, backup performance stabilized and customer backup jobs ran without delays or cancellations. Customers could now consume data protection as a cloud service without upfront hardware investments. enthus introduced new commercial models, including pay-as-you-go, reserved capacity, dedicated system rental, and on-prem hardware rental, enabling them to meet customer budget expectations and grow capacity predictably.

For enthus, the new platform also simplified pre-sales. Certification across [Scality](#), [Veeam](#), and [HPE](#) reduced risk perception for customers, making solution design and proposal cycles faster and more defensible.

### Key outcomes include:

- Reliable performance for cloud backup workloads
- Multi-workload and multi-protocol support on one platform
- No customer CAPEX required to onboard or scale
- Modular growth up to petabyte-scale
- Compatible with German customer purchasing preferences (OPEX rental)
- Enterprise certification reduces pre-sales friction and increases trust.