

Experiences and use cases from industry

Version	Date	Change	Author
1.0	22. Sep. 2023	Abstract for NHR Data Storage Workshop	Stephan Bienek

Until now, our customer, a well-known German automotive supplier, has stored the data volumes accumulating in daily production on an EMC Isilon storage. A single file can reach a size of 500 GB. At regular intervals, the data was transferred to tape systems for backup and long-term archiving.

The emerging **data volume** was **growing steadily**. The capacities of the Source Storages were no longer sufficient. The retrieval cycle was shortened and the amount of tapes increased. At last count there were several thousand tapes. **The space for secure storage became scarce.**

Our customer was thus faced with the decision to expand the existing storage and warehouse capacities or **to implement a future-proof and flexible solution.**

Together we developed a customised solution that **exceeds the requirements set.**

Our solution: **A new 3-tier backup and archiving system.**

It transfers several petabytes of data from the client's globally distributed sites securely and consistently across locations and countries. The solution enables **fast restores**, ensures **cost-efficient archiving** for decades and **flexibly** adapts to the **company's growth.**

Instead of continuing to rely on tape solutions, the **hybrid backup and archiving solution convinces** by reliably transferring data to a central Ceph storage in a secure data centre at high data throughput.

The data is transferred from Ceph storage to a cloud archive. In this way, **we guarantee our customer** extremely favourable long-term archiving for decades.

Why did we choose this creative solution? By using Ceph storage, our client **saves time and money** on restoring. With the downstream cloud archive, he in turn saves money on storage. A perfect combination.