Cohesity Helps Sensirion Advance from Backup to Comprehensive Data Management

SENSIRION
THE SENSOR COMPANY

INDUSTRY
Manufacturing

USE CASES
Backup and Recovery

SOLUTION PARTNER
Pure Storage

CHANNEL PARTNER
Infoniqa

Headquartered in Stäfa, Switzerland, Sensirion is one of the leading manufacturers of digital microsensors and sensor systems. Their product range includes gas and liquid sensors as well as differential pressure and environmental sensors for measuring temperature and humidity, volatile organic compounds (VOC), CO2, and particulate matter (PM2.5).

Sensirion supports their customers with both standard and tailor-made sensor system solutions for a wide range of applications. Sensirion sensors are widely used in health care, industrial, and automotive applications as well as in analytical instruments, in the consumer goods industry, and in heating, ventilation, and air conditioning equipment.

Established in 1998, the company employs a workforce of just under 750 with operations in the U.S., South Korea, Japan, China, Taiwan, and Germany.

Challenges

With backup storage in need of expansion and operating costs on the rise, Sensirion's executives were on the lookout for a new data management solution.

Previously, Sensirion had worked under a traditional data center design. The applications serving their workforce of just below 750 ran in two data centers, and around 350 VMs were deployed using Pure Storage as tier one storage, with a full flash solution for applications with high performance requirements.

With backup needing expansion, rising technological demands, and a growing licensing costs, the executives at Sensirion began to evaluate new solutions. Andreas Kuehne, Global IT Infrastructure Services Lead at Sensirion AG, puts it this way: "We took the optimizations and renewals we had in mind as a good opportunity for us to question our concept and find a replacement for our existing solution. We looked for a way to underpin the Snapshot for Pure Storage functionality. Furthermore, a new solution was to enable archiving in the cloud."

Key Benefits

- Rapid and simple deployment
- Reliable operations
- Intuitive user interface
- Convenient, easy-to-manage file system
- First class support
- Additional potential, future-proof

COHESITY

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> "For us, Cohesity's ease of deployment, its operational simplicity, and its professional support were the deciding factors. We can see additional potential to leverage Cohesity for complete data management—across sites and with cloud integration."
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> **Andreas Kühne**, Lead Global IT Infrastructure Services, Sensirion AG

Sensirion's executives entered into a multiple stage selection process based on a number of key criteria. The key requirement was to allow both Pure Snapshots and SMB Targets. Furthermore, archiving into the cloud was to be an option, allowing the company to shrink its tape infrastructure to a minimum or reduce its role to that of a static archive.

Solution

The project officials decided to prepare a Proof of Concept (PoC) with expertise from information management and backup specialist Infoniqa. Sven Meyer, Senior System Engineer with Sensirion, explains the idea: "To begin with, we planned to keep the existing backup environment and use Cohesity only as a backup target for the time being. In addition, Pure Snapshots were to be replicated to Cohesity. We did not manage to do that altogether, however, and needed to find a different approach for the PoC."

But although Cohesity did require customization, it still won Sensirion's IT professionals over with its rapid and easy installation. One of the reasons tipping the balance was Cohesity had more to offer than just a simple backup solution. Their portfolio encompassed other application options as well—going as far as a management environment for data management, with archiving, analytics, file and object storage, and testing facilities all included. In addition, Cohesity provided a native cloud solution.

Results

Sven Meyer cites strong points for choosing Cohesity: "Cohesity is more than a simple backup solution; it also holds its own in other use cases. Auditing is clearly better. We do not have to set up our own reports and the solution is very transparent for the customer. It's easy to understand and future-proof. Handling it is cool and the Sensirion engineers are quite happy using it. It meets our requirements."

Cohesity completed backups significantly faster than the existing solution had ever done. In addition, it showed a convincingly good performance in restore operations.

Other key benefits with Cohesity include:

- Rapid and simple deployment
- Reliable operations
- Pleasant experience working with Cohesity's engineers
- Intuitive user interface
- Convenient, easy-to-manage file system
- First class support
- Additional potential, future-proof

Recap

From the initial success of the Cohesity solution for backup and recovery, Sensirion will soon consider using other features of Cohesity. The team is looking at including archiving and data analysis, tape export, as well as cloud integration and disaster recovery from the cloud.

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