Press release for 07/02/2025

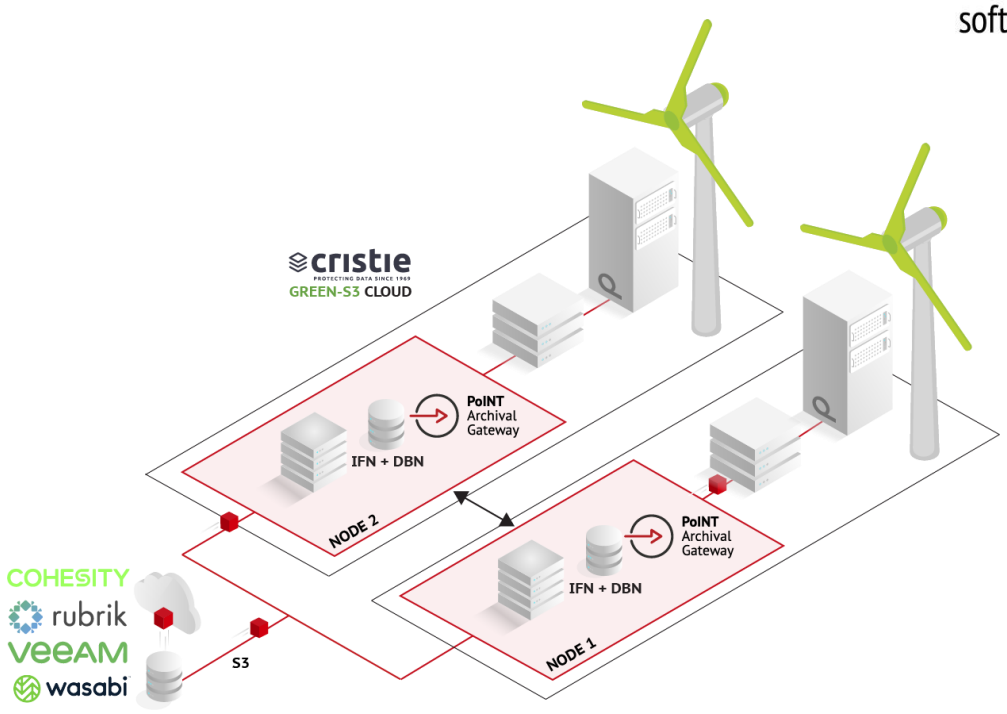
Sustainable and Secure Cloud Service with S3-to-Tape: PoINT Archival Gateway in use for the Cristie GREEN S3 Cloud

Siegen. PoINT presents the new case study about the use of its S3-to-tape solution PoINT Archival Gateway in Cristie Data's sustainable GREEN S3 Cloud service. The storage software plays a central role in the resource-saving and cyber resilient data storage in the GREEN S3 Cloud.

The GREEN S3 Cloud from data management specialist Cristie Data offers sustainable and secure data storage at German locations. WestfalenWIND operates the award-winning data centers under the windCORES brand at the base of its wind turbines in the Paderborn region. This means that the data centers are not only powered directly by renewable energy, but also use existing infrastructures in the sense of sector coupling.

The innovative concept of the cloud offering is significantly supported by the S3-to-tape solution of the Siegen-based software manufacturer PoINT. "PoINT has been our partner for many years and its S3 management software perfectly complements our GREEN S3 Cloud," says Marco Vögele, Partner Sales Manager at Cristie Data. "As the software is developed and maintained entirely in Germany, a direct and fast line to the manufacturer is guaranteed."

PoINT Archival Gateway is a tape-based object storage that stores large amounts of data on tape with high performance values via the standardized S3 REST API. In addition to the tape storage class, PoINT Archival Gateway can also integrate a disk storage class under the same namespace. The high flexibility of the solution is passed on by Cristie to GREEN S3 Cloud customers in the form of a wide range of use cases.



Offline storage on tape is an important module for cyber resilience. The integrated replication function of PoINT Archival Gateway provides additional important redundancy as well as technological and spatial separation of data copies. To implement the 3-2-1-1 backup strategy, Cristie replicates its customers' data not only to a different medium, but also to a different location – i.e. to a data center in a different wind turbine.

With PoINT Archival Gateway, Cristie also implements a cost-effective and secure S3 Glacier storage class for its customers: The software moves data from disk to tape based on lifecycle policies and archives it there in a legally compliant manner.

"Cristie has created a unique cloud offering that combines data protection with sustainability. We are very happy that our software can contribute to this innovative service," says Sebastian Klee, Head of Marketing & Sales at PoINT Software & Systems.

Further information in the case study on www.point.de.

About Cristie Data GmbH:
Cristie has been providing data availability solutions since 1969. Our focus since then has made us specialists in data security, backup & recovery, long term data retention & archiving and primary storage. Our teams are recognized experts with top certifications and authorizations from our technology partners.

About windCORES:
windCORES - CO_2 neutral data centers in wind turbines
We turn wind turbines into CO_2 neutral data centers, which is unique in the world. We literally build data centers directly into the base of wind turbines. The concept was awarded the German Data Center Prize in 2019.
CO_2 neutrality for IT
CO_2 emissions from data traffic are enormous: it is estimated that up to four percent of global greenhouse gas emissions are caused by the operation of the Internet and computers. And the trend is rising, driven by new technologies such as autonomous driving.
With data centers in wind turbines, windCORES offers a CO_2-neutral solution for digital processes in companies.
Thanks to the dual use of wind turbines with our windCORES, there is also no need to seal off additional areas for the construction of IT infrastructure.
With our windCORES, over 400 grams of CO_2 can be saved per kWh of electricity, which translates to an annual CO_2 savings of approximately 14 tons for just one rack of servers with an average power consumption of 3 kW.
We use what is already there:
A wind turbine is the perfect location for a data center. It offers plenty of space, has strong grid and data connections, and provides the clean power needed to run the data center. For sustainability, we simply put the consumer inside the generator. While conventional data centers will emit 420 grams of CO_2 per kWh of electricity in 2021, windCORES will emit only 10.75 grams.

About PoINT:
PoINT Software & Systems GmbH is specialized in the development and distribution of software products for storage, management and archiving of data. Our data & storage management solutions offer an easy and efficient integration of different storage technologies and systems in consideration of enterprise requirements. PoINT products allow optimized usage of storage systems and help to reduce costs and issues caused by data growth. The software solutions fulfil compliance and archiving requirements and provide independence from storage technologies and vendors.

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