

Thousand Oaks, CA - Jan. 15, 2020 - Nexsan announced the newest release of its Assureon Archive storage system. Version 8.3 includes Private Blockchain and end-to-end RMDA (Remote Direct Memory Access) over Converged Ethernet (RoCE) both adding a whole new level of data security and protection.

Assureon is ideal for organizations that need to implement regulatory and corporate compliance, the long-term archiving of unstructured data, or storage optimization.

The Private Blockchain feature means that customers can now protect their data by:

Storing it in an immutable data structure

Utilizing cryptography to secure transactions

Relying on an automated integrity audit at the redundant sites to maintain data integrity and transparency.

Full press release :

Nexsan Adds RoCE and Private Blockchain Technology to Award Winning Assureon® Solution

Nexsan Assureon 8.3 includes Private Blockchain to protect and secure digital assets and RDMA over Converged Ethernet (RoCE) to enable over a 2x performance improvement for data retrieval

Thousand Oaks, CA - Jan. 15, 2020 - [Nexsan](#), a global leader in unified storage solutions and part of the StorCentric family, today announced the newest release of its Nexsan Assureon active data vault storage solution. Version 8.3 includes Private Blockchain and end-to-end RDMA (Remote Direct Memory Access) over Converged Ethernet (RoCE). The latest version is also ideal for organizations that need to implement regulatory and corporate compliance, the long-term archiving of unstructured data, or storage optimization.

Assureon Private Blockchain enables organizations to protect and secure digital assets by storing data in an immutable data structure, utilizes cryptography to secure transactions and relies on an automated integrity audit at the redundant sites to maintain data integrity and transparency. Combined with Assureon's unique file fingerprinting and asset

serialization process, with metadata authentication and a robust consensus algorithm, Assureon Private Blockchain allows secure archiving of digital assets for long-term data protection, retention and compliance adherence.

Nexsan has adopted the high performance and low latency RoCE (RDMA over Converged Ethernet) to eliminate the performance-robbing layers of the network stack. Together, Nexsan with RoCE ensures all customers have ultra-low latency, are regulatory compliant and that the solution is ready for the ever-increasing data demands.

“Nexsan has a strong track record of creating products and services that capitalize on the advances in data archiving, security, protection and retrieval,” commented Surya Varanasi, CTO of StorCentric, Parent Company of Nexsan. “With the release of Assureon 8.3, we have implemented RoCE to provide over a 2x performance improvement and private blockchain technology for a secure, immutable data structure. Users are now able to quickly and efficiently retrieve data with a 40G RDMA Converged Ethernet connection between the Assureon server and Assureon Edge servers, and thereby accelerate access to archived data storage securely.”

Assureon 8.3 offers a number of benefits to Nexsan customers, including:

- Virtual shortcuts that require zero disk space and reside purely in memory as reference points to physical files in the Assureon archive.
- A 40Gb/s ethernet connection that provides blazing fast data retrieval from the Assureon server.
 - Data is retrieved directly from user-space with minimal involvement of the operating system and CPU.
 - In addition, zero-copy applications can retrieve data from the Assureon archive without involving the network stack.
- Security, traceability, immutability, and visibility of data with Assureon Private Blockchain technology.

About Nexsan

[Nexsan®](#) is a global enterprise storage leader, enabling customers to securely store, protect and manage critical business data. Established in 1999, Nexsan has built a strong reputation for delivering highly reliable and cost-effective storage while remaining agile to deliver purpose-built storage. Its unique and patented technology addresses evolving, complex enterprise requirements with a comprehensive portfolio of unified storage, block

storage, and secure archiving. Nexsan is transforming the storage industry by turning data into a business advantage with unmatched security and compliance standards. Ideal for a variety of use cases including Government, Healthcare, Education, Life Sciences, Media & Entertainment, and Call Centers. Nexsan is part of the StorCentric family of brands. For further information, please visit: www.nexsan.com

About StorCentric

[StorCentric](http://www.storcentric.com) provides world-class and award-winning storage solutions. Between its Drobo, Nexsan, Retrospect and Vexata divisions, the company has shipped over 1M storage solutions and has won over 100 awards for technology innovation and service excellence. StorCentric innovation is centered around customers and their specific data requirements, and delivers quality solutions with unprecedented flexibility, data protection, performance and expandability. For further information, please visit: www.storcentric.com

Written by [Phil Marsden](#)

