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CUSTOMER STORY

"We sincerely thank Vinchin for providing us with this disaster recovery solution. We are deeply impressed by the expertise and technical strength of the Vinchin solution team. Your powerful product functionalities perfectly meet our needs. Additionally, your thoughtful after-sales service and patient, attentive problem-solving attitude have left us feeling truly warm. Once again, thank you for your hard work. We look forward to continuing our collaboration in the future to face new challenges together."

HAITU 海图微电子
Manufacturing
NAS

IT Manager
Haitusense

Business Challenge

Haitusense is a high-tech company specializing in the design, research and development, and sales of high-end, high-speed image sensor chips. Haitusense focuses on the development of high-speed, high-end image processing sensor chips, employing independently developed large-area array drive technology and high-speed, low-power AD converters, along with high-speed readout circuits. These technologies enable high full-frame rates and high resolution across the visible, infrared, ultraviolet, and X-ray spectrums. The products are widely applicable in industrial inspection, intelligent transportation, medical care, scientific research, sports, surveillance and security, automotive imaging, IoT, and other industrial and civilian fields.

As the company's technology evolves, its product lines become increasingly diverse, and data related to R&D, production, and operations continue to accumulate, increasing pressure on data security. Any accidental data loss or damage could lead to severe consequences. Recognizing this challenge, the company's relevant personnel decisively initiated necessary measures. After communication and investigation, Haitusense identified the following key requirements for data security: the company has two types of NAS storage servers storing vast amounts of files that require centralized backup management; numerous design and engineering files need to be backed up efficiently within a specific time window; and the company prioritizes business data security, requiring a high-performance, highly reliable backup solution for data protection.

Vinchin Solution

To address these needs, the Vinchin solution team engaged in comprehensive and detailed discussions with Haitusense, ultimately formulating a disaster recovery plan meticulously tailored to its core requirements and strategic objectives. Vinchin Backup & Recovery was deployed in the user's environment, providing a centralized, unified, and highly efficient backup solution for NAS storage server data. For managing the massive unstructured data, including critical design and engineering files stored on the NAS devices, the solution leverages advanced CIFS and NFS protocols for NAS data backup, delivering speeds tens of times faster than traditional NDMP backup protocols. This enhancement ensures optimal performance even for high-volume data environments. Furthermore, during the backup process, multi-threaded scanning and high-speed transmission technologies are employed, enabling the rapid and efficient backup of large volumes of files, significantly reducing the time and resources required. In the event of data loss caused by faults or failures, the solution facilitates direct restoration of NAS file backup data to the file system or NAS device with exceptional ease, ensuring uninterrupted business continuity and effectively meeting post-failure recovery requirements.

》》》》 Result

Vinchin Backup & Recovery offers Haitusense a comprehensive, high-performance disaster recovery plan, leveraging advanced CIFS/NFS protocols, multi-threaded scanning, and high-speed transmission technologies. It ensures rapid and efficient backups for massive unstructured NAS data and enables seamless restoration to file systems or devices. These features significantly reduce backup time, enhance data security, and ensure uninterrupted business operations, effectively addressing Haitusense's critical needs for reliable and centralized data protection.

Question? Need support?
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