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CUSTOMER STORY

> "Since implementing the Vinchin backup solution, we've seen a significant improvement in backup efficiency and substantial optimization of storage space. Additionally, Vinchin's rapid recovery feature allows us to quickly restore operations in case of failures, ensuring high system availability. The solution also excels in security and stability, greatly enhancing our data protection capabilities."

HYUNDAI
MOTOR GROUP
Manufacturing
VMware

IT Administrator
Hyundai Motor R&D Center (China) Co., Ltd.

Business Challenge

Hyundai Motor R&D Center (China) Co., Ltd. (China Technical Center) was established in February 2013. It is wholly funded by Hyundai Motor Group of South Korea and is the largest R&D center of Hyundai Group overseas, as well as the only global new energy vehicle R&D center outside of Korea's R&D headquarters.

The company's core IT architecture is based on the VMware virtualization platform, which offers highly flexible resource management capabilities, enabling them to efficiently allocate computing resources to meet the demands of different projects. It covers several critical business systems, ranging from PLM systems and CAD tools to HPC clusters. The high availability and data security of these systems are crucial to the progress of their R&D efforts.

In actual business operations, they have encountered some challenges. First, with the increasing number of projects, the amount of data has grown exponentially. This has not only put pressure on storage resources but has also raised higher demands on existing backup solutions. Second, their current disaster recovery strategy mainly relies on traditional tape backups and offsite storage, which, while effective in the past, no longer meets the current business continuity requirements. Particularly in the context of their rapid development, any system downtime or data loss could significantly impact project progress and potentially result in substantial economic losses.

Vinchin Solution

Vinchin Backup & Recovery is the optimal choice to meet these needs. This solution not only provides comprehensive data protection for the VMware cloud architecture platform but also delves into the application system layer to ensure the security and efficient management of the entire data center. By penetrating the block device layer and directly identifying partition and file system information within the disk, the Vinchin solution can precisely analyze valid data at the file system level, significantly saving storage space and enhancing overall backup efficiency. This feature is crucial for the company as it effectively alleviates the pressure on existing storage resources.

Moreover, after the initial full backup, Vinchin allows for the configuration of permanent incremental backups, requiring only one full backup. This not only greatly reduces backup time but also conserves the storage space needed for backup data, further improving backup efficiency. This efficient backup method enables the company to better manage data growth and ensure the continuous operation of critical business systems.

Most importantly, the Vinchin solution can restore virtual machines and their data within seconds and restore business operations within minutes. This means that in the event of an unexpected interruption, the company can quickly restart platform operations, ensuring that R&D work is not impacted. Additionally, the solution supports offsite backup in both LAN and WAN environments, adapting to complex network environments to rapidly recover business data in the event of a disaster, thereby truly achieving disaster recovery goals.

»»» Result

Vinchin backup solution not only meets the company's high standards for data protection but also enhances its adaptability in complex business environments, providing stronger assurance as the company faces future challenges.

Question? Need support?
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