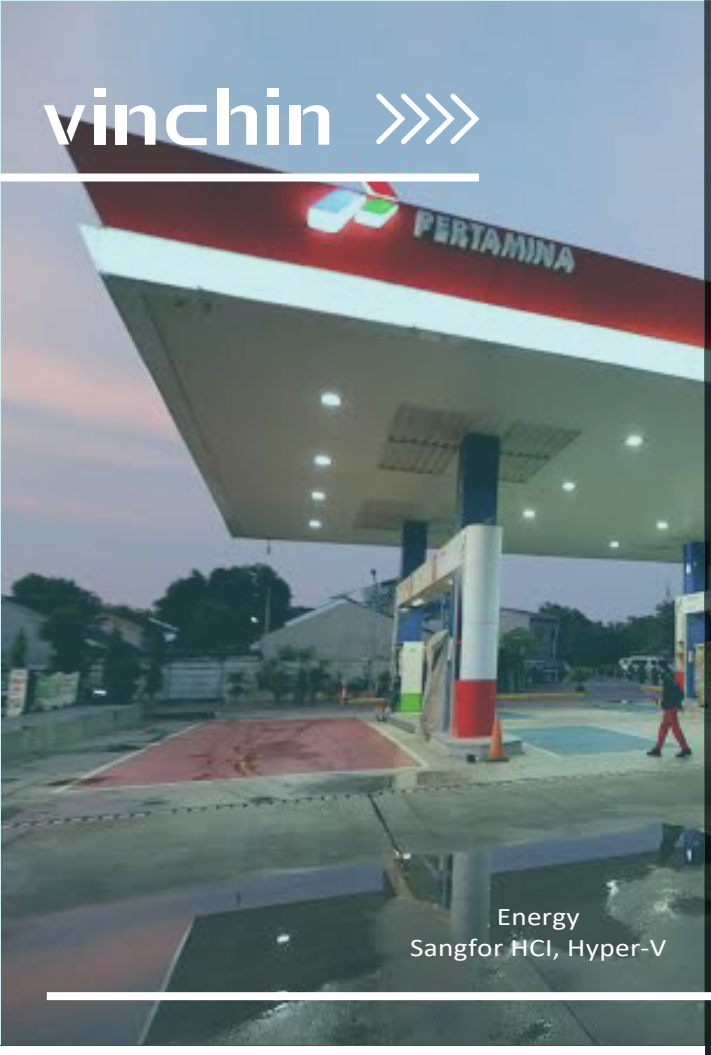
vinchin

CUSTOMER STORY



Energy
Sangfor HCI, Hyper-V

"Managing backups across Sangfor HCI, Hyper-V, and our critical databases used to be highly complex. Vinchin provided a unified management platform and seamlessly integrated with our tape libraries to achieve GFS archiving. Meanwhile, backup verification has also ensured our data recoverability."

Romdhoni
IT Engineer
Pertamina Gas Negara

Indonesia

Business Challenge

Complex Multi-Platform Protection
The production environment consisted of Sangfor HCI, Microsoft Hyper-V, and physical servers running Oracle and PostgreSQL databases. Relying on disparate legacy methods to protect these silos meant fragmented management, forcing the IT team to spend excessive hours monitoring daily backup jobs across different interfaces.

Strict Long-Term Tape Archiving Compliance
As a major national energy transportation company , PGN faces strict data compliance and governance regulations. They require complex GFS (Grandfather-Father-Son) retention policies to automate long-term data archiving to physical tape libraries for up to 2 years. Existing workflows struggled to seamlessly execute these customized retention schedules.

Data Integrity and Verification Risks
Without a reliable and automated backup validation mechanism, the IT team could not guarantee the consistent recoverability of their database and VM backups, meaning hidden data corruption could potentially lead to permanent data loss during an unexpected disaster.

Vinchin Solution

Based on the requirements, PGN deployed Vinchin Backup & Recovery, leveraging its unified web console to centrally manage their previously fragmented hybrid environment. Working closely with local partner PT Adastra Visi Teknologi, the installation and policy configuration across Sangfor HCI, Hyper-V, and physical databases were efficiently completed through this single pane of glass.

To meet their rigorous compliance and data security standards, the environment now follows the 3-2-1-1-0 backup rule:

- Primary copy: Daily LAN-free agentless backups of all Sangfor HCI and Hyper-V VMs, along with physical databases, to local backup storage.
- Second copy: Automatic offsite copy via Vinchin's replication feature to a secondary storage node, creating a reliable disaster recovery architecture.
- Immutable/Archival copy: Automated backup data archiving to physical tape libraries using strict GFS retention policies (retaining monthly full backups for up to 2 years) to ensure long-term compliance.
- Automated Data Validation: Built-in integrity checks are performed on critical backups to ensure the data is complete and reliably restorable.

Result

Since deploying Vinchin Backup & Recovery, PGN has successfully transformed its data protection strategy from a fragmented, time-consuming process into a highly automated and compliant workflow. By centralizing operations, automating long-term tape archiving, and guaranteeing data recoverability, the IT team has significantly reduced operational overhead while securing their critical infrastructure against unexpected disasters.

Question? Need support?
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