vinchin

# CUSTOMER STORY










Healthcare

VMware vSphere, Microsoft Hyper-V, Proxmox VE, XenServer, and zVirt

Belarusian Medical Institutions

## Business Challenge

Heterogeneous Virtualization Environments Complicate Backup Management
Different healthcare institutions run their workloads on various virtualization platforms, including VMware vSphere, Microsoft Hyper-V, Proxmox VE, and zVirt. Without a unified data protection strategy, IT teams must manage multiple environments and compatibility requirements, making backup deployment and ongoing management more complex.

24/7 Healthcare Operations Require Minimal Downtime
Critical medical systems must remain available around the clock. Any unplanned downtime can disrupt patient registration, diagnostic services, and access to medical images. Failures involving systems such as HIS and EMR can even affect patient safety, making rapid and reliable recovery essential.

Growing Medical Data Volumes Strain Backup Resources
Medical data comes in different formats and grows at different rates. PACS generates large medical imaging files and continuously increasing data volumes, while EMR records must be retained for extended periods to meet regulatory requirements.

Traditional backup methods can consume substantial time, storage resources, and network bandwidth, potentially affecting production systems and making backup operations increasingly difficult to manage.

## Vinchin Solution

To address these challenges, the healthcare institutions adopted Vinchin Backup & Recovery to protect their virtualized environments with minimal infrastructure changes.

Agentless Backup Across Virtualization Platforms
Vinchin supports agentless backup for VMware, Hyper-V, Proxmox VE, XenServer, and zVirt, simplifying deployment while reducing resource consumption and maintenance.

Efficient Backup for Medical Datasets
Vinchin combines **Forever-Incremental Backup** and **CBT** to capture only changed data blocks, reducing backup time and storage consumption. VMware environments also benefit from **LAN-Free backup and HotAdd transport**, while agentless incremental backups help minimize network traffic in Hyper-V environments.

Flexible Recovery for Business Continuity
Vinchin provides two recovery options:
Instant VM Recovery: Runs supported VMs directly from backups via NFS mounting, restoring services within seconds.
File-Level Recovery: Restores individual files or folders without recovering the entire VM.

## Result

Vinchin Backup & Recovery provides Belarusian healthcare institutions with flexible, efficient, and reliable protection for heterogeneous virtualized environments through agentless, cross-platform backup, reduced backup overhead, rapid VM and file-level recovery, and improved continuity for critical healthcare systems such as HIS, PACS, and EMR.

Question? Need support?
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