vinchin

datanet telecom

CUSTOMER STORY



"Our business is keeping other companies connected, so protecting single virtual machines was never going to be enough. Vinchin now covers all four of our hosts from one console, and it gave us a defined path for the day the whole data center is gone, backup server included. That is what lets us promise continuity to our own customers."

Mazin Abdulhadi,
IT Manager
DataNet

Telecommunication
VMware

About DataNet

Iraq

DataNet is a nationwide service provider in Iraq, working as an ISP and delivering end-to-end IT services. It supplies businesses with the communications services they rely on to keep daily operations running. Its virtual estate consists of four ESXi hosts running VMware vSphere.

Business Challenge

Planning for recovery beyond the data center
Most backup discussions focus on recovering individual virtual machines. DataNet was concerned with a much larger scenario: the loss of its entire virtual infrastructure, including vCenter and all ESXi hosts. The team needed to understand how recovery would work if the original infrastructure was gone and there was no existing platform to restore the VMs to.

Ensuring backups survive a site-wide outage
Backup data stored alongside the infrastructure it protects is vulnerable to the same site-wide failure. DataNet needed an offsite backup copy that would remain accessible and usable even if the entire primary site had to be rebuilt.

Defining a recovery sequence before disaster strikes
Knowing that data can be recovered is only part of the equation. DataNet also needed a clear, practical recovery sequence that its team could follow under pressure: which components to rebuild first, where to retrieve the backup data, and how to bring the virtual infrastructure and workloads back online.

Vinchin Solution

DataNet deployed Vinchin Backup & Recovery across its VMware environment, with a protection strategy designed to cover a wide range of recovery scenarios, from the loss of a single virtual machine to a complete site outage.

Agentless VMware backup. All four ESXi hosts are registered with a single backup server, with no agents required on individual guest VMs. Backups are performed at the hypervisor level, minimizing the impact on production workloads.

Instant Restore for individual VMs. Vinchin can start a virtual machine directly from its backup in approximately 30 seconds, eliminating the need to restore the entire virtual disk before bringing the VM online.

vCenter protected as a virtual machine. Since vCenter runs as a virtual machine, it is protected and restored through the same backup workflow as other workloads. This ensures that the management layer is included in the recovery plan.

Offsite backups for site-level recovery. Backup data can be replicated to a secondary location. After the infrastructure is rebuilt, VMs can be restored directly from the offsite copy or from backup data transferred back to the primary site. In either case, the recovered VMs can be brought up on the newly rebuilt vCenter.

Configuration Backup for the backup server. Vinchin includes Configuration Backup, which captures the backup server's configuration settings. This allows the backup server to be restored with its original configuration, reducing the need for manual reconfiguration.

Result

DataNet manages backup and recovery across four VMware hosts through a centralized console, with offsite backups for added protection. Two recovery drills have validated its disaster recovery plan, with the latest full-site recovery completed in just 2 hours 40 minutes, beating the four-hour target while ensuring critical VMs are backed up every two hours.

Question? Need support?
Tel : +86-135-5029-3426 | Email: sales@vinchin.com

Vinchin | F5, Block 8, National Information Security Industry Park, No.333 YunHua Road,Hi-Tech Zone, Chengdu, China
© 2022 Vinchin All rights reserved