



Use Case

Centralized Backup Management in a Commercial and Industrial Company

Customer:

International Commercial and Industrial Company with Distributed IT Infrastructure.

3

physical servers

7

virtual machines

MS SQL

databases

Challenge

The organization uses a mixed IT infrastructure that includes physical servers, virtual machines, corporate email, file resources, and Microsoft SQL Server databases:

3 physical servers	7 virtual machines	MS SQL databases
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One of the physical servers runs without virtualization. On the other two servers, virtual machines were deployed to support corporate services and business applications. To ensure data integrity, it was necessary to create a centralized backup system with the ability to restore individual infrastructure components.

Before implementing the backup system, the following tasks were set:

- ✓ protect physical servers and virtual machines
- ✓ back up employee workstations
- ✓ perform regular [backups of Microsoft SQL Server](#) databases
- ✓ back up email data and company file resources
- ✓ centrally manage backup tasks
- ✓ restore entire VMs and individual data
- ✓ automate task execution on a schedule
- ✓ monitor backup success via email notifications

Key Challenges

The client's infrastructure included physical servers, virtual machines, and workstations, requiring the organization of backups for different system types from a single console. Additionally, virtual machines had to be backed up not only at the host level but also individually to simplify the recovery of specific services.

The diverse data types added further complexity: file resources, mail servers, and Microsoft SQL Server databases. This required setting up regular scheduled backups, task execution monitoring, and the ability to restore both individual files and entire server components.

Solution Implementation

[Handy Backup Server Network](#) was selected for the project. The following components were deployed:

1 central management server	2 agents for physical servers	7 agents for virtual machines
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This setup made it possible to include the customer's entire infrastructure in centralized backup: 3 physical servers and 7 virtual machines, including the machine with the management panel installed.



Centralized Management

Administrators manage all backup tasks from a single console. Schedules, logs, and email notifications are available in one place.



Physical Server Backup

Backup tasks are configured for all physical servers, including the central management server, for regular data protection.



Virtual Machine Backup

Each virtual machine has its own backup task and recovery scenario, independent of the host server.



Workstation Backup

[Scheduled backups](#) protect user files and workstations while being managed from the central console.



MSSQL & Email Backup

Dedicated backup tasks ensure reliable protection of Microsoft SQL Server, email services, and file resources.



Scheduled Backup

Backup jobs run automatically on schedule, reducing manual administration and ensuring regular data protection.

Results

As a result of the project implementation, the customer received a centralized backup system that ensures the protection of the entire corporate infrastructure:



Backup of 3 physical servers.



Replication of 7 virtual machines.



Backup of MS SQL databases.



Backup of email services.



Backup of company file resources.



Task automation.

The system enables automated scheduled backups, allows monitoring of task status from a single console, and ensures rapid data recovery in the event of emergencies.

Source: www.handybackup.net/use-case/trading-and-industrial-company.shtml