conf industries

Conf Industries forgets about downtimes, improves data access speeds, ensures Disaster Recovery and virtualizes the server infrastructure with Syneto Storage.

Solution delivered by

ANTEDATA

The Highlights

Industry
Warehouse transport and specialty storage carts.

The Problem
A host of system downtimes and general instabilities. Poor integration with the PDM for CAD leading to slow project workflows. The lack of reliable backups that could ensure the necessary amount of data redundancy.

The Solution
Consolidate all data on Syneto Storage to improve data access speeds. Virtualize the server infrastructure to achieve better PDM integration with improved CAD workflow and achieve true Disaster Recovery with incremental backups and replication.

Customer Profile

Conf Industries is one of the leading manufacturers of warehouse transport systems and aluminum alloy, steel and plastic storage carts.

For Conf Industries it all began in 1961 when the company opened its first headquarters in Travagliato, Brescia, Italy. At first, Conf started manufacturing modular plastic containers with tubular reinforcements. Soon after, a second production line was added for welded & stainless steel with plastic side containers.

Thanks to its initial success the company moved to a larger premises in 1975. By this time, Conf was producing a wide range of both steel and plastic containers for a wide range of customers and industries. In the 1980s the company also started manufacturing light alloy trolleys driven by high marketing demand. With production increasing new technologies for aluminum welding and sheet metal bending were incorporated into the production line. An aluminum anodic oxidation plant was also built to supply the necessary raw materials.

Presently, Conf Industries manufactures a wide range of aluminum, steel and plastic containers and trolleys for a diverse industry:

medical
DIVISION

privacy
DIVISION

laundry
DIVISION

cruises
DIVISION

⚠ The Problem

System downtime and instabilities

Conf Industries designs all their products in a CAD 3d environment prior to production. A Product Data Management for CAD system is used to centralize all the aspect of the design process and effectively manage different CAD project pieces.

The company was facing mounting interruptions and delays to the poor integration between the different parts of their infrastructure. The PDM couldn't accurately gather and maintain project advancements while the servers were afflicted with frequent interruptions and downtime.

Poor integration with PDM

In a CAD 3d design studio, integration with the PDM is essential for efficient and productive design work. If this is lacking, the design team can face a multitude of issues including: CAD file version incompatibilities, big delays due to difficult end-of-project CAD model reunification and loss of data. Version control is an essential part of smooth CAD project workflow. As each team member works on a separate part of the entire design, he needs to ensure the entire model can be unified at the end. Without every 3D model stored in the same place, with the same version, this can be very hard to achieve.

Lack of reliable Backups

Data loss is one of the top reasons for organizations shutting down, studies show. With data stored on independent servers and workstations, comprehensive backup operations must ensure an adequate level of data safety with no added complexity and costs. The pressure is on both the hardware, because every independent resource needs to be backed-up independently, and on the team, as backup versions need to match and ensure inter-file compatibility.

A storage solution that provides space for both files and PDM servers can provide True Disaster Recovery by creating fast, incremental backups of all the data and replicating it to a separate machine, thus mitigating any risks to the data.

⚗ The Solution

Consolidate all data storage

To eliminate any system instabilities, crashes and delays, Conf Industries acquired a 8TB Syneto Office Storage. An extra Office Storage was added to receive backup replications and ensure Disaster Recovery.

Company-wide data access speeds are greatly increased by consolidating all data storage, files and application data on the Syneto Storage. Storage Efficiency features like Data Compression, Deduplications and Thin Provisioning guarantee efficient storage resource expenditures across the range.

Virtualize PDM and servers

The VMware integration feature of Storage OS was used to place the Syneto Storage as a shared storage resource for the ESX servers. Having the VM's stored on the storage brings some great advantages, chief among them being increased data access speeds and greater redundancy.

But how is this redundancy provided? Syneto Storage OS makes fast incremental backups of the VM data that can be easily retrieved at any time it becomes necessary. Storage OS's VMware feature also makes administration easier by providing the list of virtual machines on the

datastores. The storage efficiency features also contribute to making the process cost-effective.
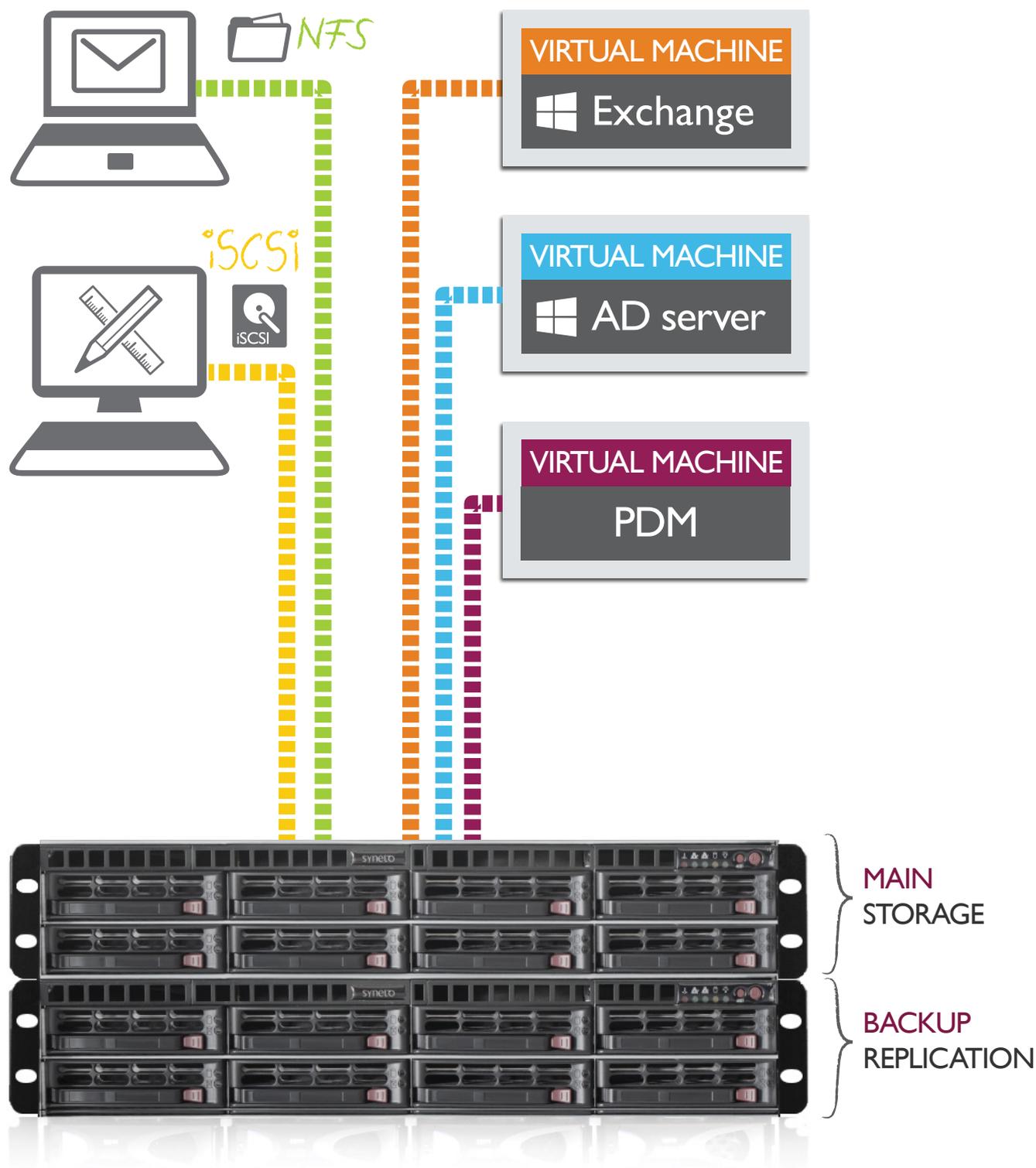
Provide Disaster Recovery

Conf Industries core business required complete data safety. Syneto achieved this by implementing a true Disaster Recovery scheme. The main storage makes fast incremental backups of all the data, including application block data. Due to their incremental nature, an almost limitless number of Backups can be achieved. These point-in-time "pictures" of the data are also very fast because only changes in the data are

saved.

The second on-site Office Storage receives replications of the backups made by the main storage. Backup replications are also incremental to ensure agility and ease of use. With data present on 2 storage appliances, great redundancy and true Disaster Recovery is achieved.

The Conf Industries network diagram

NFS

iSCSI

VIRTUAL MACHINE
Exchange

VIRTUAL MACHINE
AD server

VIRTUAL MACHINE
PDM

MAIN STORAGE

BACKUP REPLICATION

"The solution from Antedata, powered by Syneto Storage technology has allowed us to gain a new level of integration between CAD 3d development, Sales and Marketing. We are very pleased!"

Flavio Ventura | Owner

"The Syneto Storage solution for our CAD/PLM platform has instantly eliminated system instabilities and crashes to which we've been subjected for years."

Conf Industries | IT Manager

Solution Components

- Syneto Office Storage 8 TB
- Syneto Office Storage 8 TB
- VMware integration feature
- Active Directory integration
- Backup & Replication feature
- PDM software for CAD

❓ Solutions

Syneto Storage can help you meet any data related goals within your organization:

Data Archiving

Data Backup & Recovery

Efficiency & Availability

Personal Data Cloud

Accelerate CAD Projects

Consolidate Data Storage

Virtualize with VMware

High Availability Cluster

Provide Cloud Services

Windows Storage

👤 About Syneto

Here's why Syneto is such a reliable partner:

Deployment in 15 minutes

Simple to use systems

Great Tech. Support

Automatic updates

No hidden fees