

syneto

Simplify • Accelerate • Protect

Case study
University of Brussels
v.2.0/2018



VRIJE
UNIVERSITEIT
BRUSSEL

The University of Brussels reeducates its IT with Syneto, achieves complete data protection

Overview

Company: University of Brussels

Location: Belgium

The Challenge

- ensure data protection
- increase application performance
- achieve Disaster Recovery

The Solution

- **Consistent backups** of all the data
- **Increased performance** for all applications
- fast and reliable **Disaster Recovery**

Customer Profile

The Vrije Universiteit Brussel was founded in 1970 as a Flemish university by splitting from the existing ULB (Université Libre de Bruxelles).

T2B, the project where Syneto's collaboration was required, is a collaboration within IIHE, between 6 universities, to deploy a large computing facility that could support the huge amounts of data created by these high energy physics experiments.

The Challenge

Vrije Universiteit Brussel and the IIHE are at the forefront of particle physics research and by definition wanted their IT infrastructure to also be cutting-edge. They required a system that could provide the capability to protect against all manner of disasters and all forms of data corruption.

In the world of scientific research, processing speeds that allow the researchers to compare results and forward with the project are crucial. The IT solution would need to handle the intense workloads generated by repeated calculations and comparisons between old and new research data.

The Solution

The University's team chose a Syneto solution due to its unique blend of data protection measures. With Syneto they benefit from a compound approach to protecting data, starting from the moment it enters the system and persisting throughout the data's lifetime. The T2B project's data is protected through scheduled fast backups.

The chosen solution also offers reliable Disaster Recovery capabilities. Should the infrastructure suffer from an unforeseen

downtime incident, the entire infrastructure can be restored within minutes.

The Syneto solution proved a great match for UVB speed and efficiency requirements as a result of its performance-oriented design. The T2B project benefits from Syneto's unique blend of performance optimising technologies. Workloads can be balanced between nodes while hybrid storage pools built on SSDs create a very fast cache layer that maintains "hot" data available for the researchers use.

"With the new Syneto solution we are confident that our data is safe and that we can recover fast in case of a disaster. The solution has given us the performance boost we've needed and the overall solution is very easy to manage."

- University of Brussels



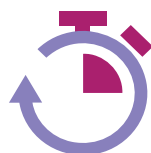
Consistent backups

of all the data, achieving complete data protection.



Increased performance

for all applications, as a result of the solution's performance-oriented design.



Disaster Recovery

All data can be recovered within minutes in case of a downtime incident.

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Syneto creates technologies which Simplify, Accelerate and Protect IT operations. We take the latest, cutting-edge enterprise IT technologies and combine them with an incredible level of management simplicity and operational agility to deliver uncompromising simplicity, speed and security. A demonstration of how smart IT can be.

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