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Centre Léon Bérard simplifies cybersecurity

Discover how the Dell PowerProtect portfolio helps Centre Léon Bérard to secure virtual machines, infrastructure and large quantities of key patient data on the cloud.

Business needs

- Complete a digital transformation for storage and data protection
- Develop AI capabilities to extract more insights from patient data
- Secure data backups
- Mitigate the risk of cyberattacks with resilient infrastructure

Business results

- Achieved a 50:1 data deduplication ratio
- Successfully backed up approximately 350 virtual servers
- Secured critical patient data on the cloud
- Centralized data governance

Solutions at a glance

- Dell PowerProtect Data Manager
- Dell PowerProtect Cyber Recovery

Customer Profile

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"We need to be more cautious about the backup of our data, which is what Dell PowerProtect Cyber Recovery enables since the system can guarantee healthy backups."
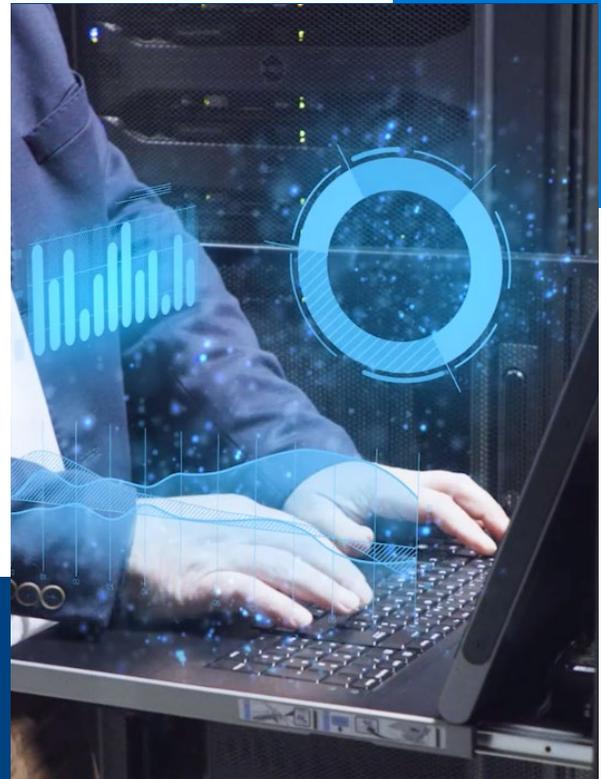
Franck Mestre
Chief Information Security Officer
Centre Léon Bérard

Harnessing technology to bring new methods to fight cancer

Founded in 1945, the Centre Léon Bérard is a healthcare center based in Lyon, France, that's dedicated to providing cancer care and research. By bringing together doctors from multiple specialties, the Centre aims to provide its cancer patients with the most innovative therapies.

The Centre supports its patients by offering services starting from screening and diagnosis all the way through to treatment and rehabilitation. The Centre Léon Bérard is certified by France's National Cancer Institute (INCa) as a referral center for rare forms of ovarian cancer, pathologies and mesotheliomas.

Aside from its cutting-edge medical care facilities, the Centre is also committed to the global fight against cancer with a research department as well as a center for education and training. The Centre Léon Bérard is part of the UNICANCER group, which brings together 18 centers spread over 20 geographical locations — all specializing in cancer care.

Simplifying data storage and cybersecurity for improved staff and patient experiences

To continue delivering innovative healthcare solutions for its patients, and support its doctors and staff, the Centre needed to transform its storage to get the most from its data, virtual machines (VMs) and infrastructure.

Centre Léon Bérard had already begun a digital transformation but it wanted to go further and extract clinical insights from digital medical records going back 30 years. The Centre was ready to go beyond just data storage and implement AI capabilities to provide smart analytics on patient care data.

The Centre offers more than just medical care, so it required a storage solution that was capable of securely managing large quantities of data from its research and education departments. Furthermore, the solution would have to support the Centre's web portal and the myCLB App, which offers patients the freedom to access medical reports and schedule appointments.

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For operational efficiencies, and for futureproofing, the Centre would need to make regular backups of both its virtual and physical machines. The backups require a low recovery point objective (RPO) so the most recent backups of patient data can be recovered in the event of downtime or data loss.

Healthcare institutions are becoming increasingly susceptible to cyberattacks, especially since the pandemic. Therefore, it's imperative that the Centre has effective cybersecurity and a reliable system to recover data quickly and mitigate potential compromises of patient records.

As the Centre already had infrastructure in place, it needed a single, comprehensive solution that could seamlessly integrate with its existing systems.

To meet these requirements, Centre Léon Bérard engaged with Dell Technologies to find a storage solution that could provide security, resilience and seamless integration right out of the box. With all this considered, it became clear that Dell PowerProtect Data Manager and Dell PowerProtect Cyber Recovery were the ideal solutions for the Centre.

Unlocking new efficiencies and huge data deduplication

Dell PowerProtect Data Manager is a one stop shop for tried and tested data protection. With built-in cloud, VMware and cyber recovery capabilities, PowerProtect Data Manager enables customers to keep up with perpetual data growth and manage their mission-critical data with ease. PowerProtect Data Manager's fast backup speeds and reduced VM latency are perfect for Centre Léon Bérard's storage requirements.

By managing infrastructure, VMs and large quantities of data on PowerProtect Data Manager, Centre Léon Bérard has successfully met its storage and data protection goals. The Centre has also achieved a data deduplication ratio of 50:1, enabling improved data utilization for backup and recovery.

After deploying the Dell PowerProtect portfolio, the Centre Leon Berard was able to successfully backup approximately 350 virtual servers through a centralized data governance console. The PowerProtect portfolio enabled the Centre to monitor and analyze its data easily and efficiently, as well as automate new objects created on its VxRail appliance.

Centre Léon Bérard's previous solution had taken weeks to deploy. With PowerProtect Data Manager, it only took a few clicks to set up the parameters, and all VMs were saved.

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> **"Dell Technologies has helped to move our digital transformation forward, thanks to a homogenous offer on different parts of our architecture"**
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> **Franck Mestre**
> Chief Information Security Officer
> Centre Léon Bérard

Reducing risk with world-class security

In addition to PowerProtect Data Manager, the Centre implemented PowerProtect Cyber Recovery to bring a high level of resilience to its backups and to quickly recover critical data in the event of a cyberattack.   Thanks to operational air gaps, golden copies and CyberSense analytics, the Centre is equipped to rapidly respond to cyberattacks and recover compromised data with ease.

Today, the Centre completes back-ups of 400 different databases which are saved every half an hour — all taking just 15 minutes to complete.

Centre Léon Bérard now has the storage, protection and recovery measures it needed to complete a digital transformation, while maintaining cyber resilience.

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"Today, our backups and recoveries are way faster and made easy thanks to the integration of PowerProtect Data Manager"

Franck Mestre
Chief Information Security Officer
Centre Léon Bérard

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