Montfort

About Customer

Montfort is Ontario's francophone academic hospital, serving more than a million residents of the national capital region. It offers short-term primary and secondary health care in both French and English.
hopitalmontfort.com/en

Geo

North America

Industry

Healthcare

Solution Area

Accelerate Core Applications
Modernize Data Protection

Pure Storage®
Products in Use

FlashBlade//S™
FlashArray//X™
FlashStack®
Evergreen//Forever™
Pure1®

About Veeam and Pure

Integrated solutions from Veeam® and Pure Storage help customers meet the needs of today's application and data-driven world by delivering on-premises, cloudlike capabilities with superior data protection and business continuity.
www.veeam.com

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Hôpital Montfort Cures its Storage Woes

As Ontario's only francophone academic hospital, and one of few outside of Quebec, Montfort plays a unique role in the delivery of high-quality healthcare services. This level of care requires enterprise-grade storage—but the hospital's legacy infrastructure was simply not up to the task and was a burden for the small IT team to manage, upgrade, and maintain.

Montfort invested in a cost-effective, high-performing, unified block and file storage platform from Pure Storage. Now, it can keep critical clinical and administrative systems running without the need for extensive or disruptive forklift upgrades.

"We want our staff and care providers to focus on patients, not the stability and reliability of our systems. Pure enabled us to re-establish trust so that our teams can deliver exemplary care."

PATRICK LAMARCHE,
SYSTEMS ADMINISTRATOR, MONTFORT

A Critical Storage Diagnosis

Patrick Lamarche and Kevin Deschatelets oversee IT for more than 3,000 Montfort staff members. The systems administrators know that everything they do impacts the patient experience.

Impact on Montfort

Drives superior and seamless patient care with high-performing systems

Cuts data center footprint and related costs for public hospital system

50% reduction in storage management workload

Challenges

New security vulnerabilities required modern data protection strategy

Managing existing storage arrays was taxing for 2-person IT team

Even routine upgrades disrupted key clinical systems, including PACS cache

Results

99% less time to restore virtual machines—from 10 hours to 2 minutes

Completed migration of block workloads in a single week, versus months

Eliminates downtime and improves performance of diagnostic imagery

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A couple of high-visibility storage outages during routine upgrades rendered the hospital's enterprise imaging solution and file services temporarily unavailable. These incidents prompted the decision to look for a new enterprise-grade solution.

"Our storage environment was always expensive and complicated to support, to upgrade, and to scale," says Lamarche. "What Pure Storage offered was like a dream come true."

Powering a Health Hub

Unified block and file storage from Pure Storage supports nearly every aspect of Montfort's operations. Built on FlashStack from Pure Storage and Cisco, the pre-validated solution meant that Montfort was up and running within a day.

All VMware workloads sit on Pure Storage FlashArray//X, including virtual machines (VM) running clinical and administrative services, and IT services such as Wi-Fi firewalls. FlashArray//X also supports file shares and VMware Horizon virtual desktop infrastructure (VDI), which can have up to 300 active sessions running concurrently at any given time.

"Since implementing Pure, performance has gone through the roof," says Deschatelets. "The technology is so easy to use. We migrated block workloads from our old array to a new one in less than a week. With our previous storage, this would have taken months."

To reduce image opening times for radiologists, short-term diagnostic files from Montfort's Agfa picture archiving and communication system (PACS) reside on FlashBlade//S, which also serves as a destination for Veeam to back up critical file servers. Restoring a VM used to take up to 10 hours—now, it takes two minutes. Immutable SafeMode™ Snapshots safeguard the Veeam repository for added security, reinforcing Montfort's commitment to protecting critical healthcare data and delivering a seamless and secure environment for radiologists.

Driving Excellence in Patient Care

A single window into the environment via Pure1—Pure's AI-powered management tool—and no more disruptive forklift upgrades thanks to the Pure Storage non-disruptive architecture and Evergreen//Forever subscription reduced the team's workload by 50%. This frees them to assist clinical teams with their application needs. In addition, Pure takes up a fraction of the footprint, contributing to significant power and cooling savings in the data center—and to the public hospital.

"We want our staff and care providers to focus on patients, not the stability and reliability of our systems," says Lamarche. "Pure enabled us to re-establish trust so that our teams can deliver exemplary care."

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