ST GEORGE'S HOSPITAL
A TRADITION OF EXCELLENCE

About Customer

St George's Hospital is a private hospital with charity status based in Christchurch, New Zealand. It invests heavily in the latest technology to position itself at the forefront of medical innovation.

www.stgeorges.org.nz

Geo

APJ

Industry

Healthcare

Solution Area

Accelerate Core Applications

Products in Use

Pure Storage® FlashArray//X™
Pure1®
Evergreen™ Storage

St George's Hospital Accelerates Critical Healthcare Applications

Like many healthcare institutions, St George's Hospital is going through a digital transformation, moving from traditional paper-based records to digital platforms. Facing end-of-life hardware and ongoing digital growth, the hospital needed to rethink its storage environment.

St Georges Hospital turned to Pure Storage FlashArray//X for greater capacity and performance with lower risk. The hospital can now ensure round-the-clock, high-speed access to critical patient information.

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>
> **FENTON KITCHEN,**
> CHIEF DIGITAL OFFICER,
> ST GEORGE'S HOSPITAL

Investing in Digital Healthcare

St George's Hospital has invested significantly in digital systems over the past ten years. Many departments, including moving patients' paper clinical records to a new digital medical records for surgical patients and the Cancer Care Centre using high-resolution images in treatment plans, results in a much larger data footprint.

Impact On St George's

Delivers superior patient care through fast and reliable system access

Maintains high resiliency to keep systems running during natural disaster

Gains storage scalability needed to support digital transformation

Challenges

Legacy storage struggled to meet growing capacity needs

End-of-life storage caused speed and performance issues

Future digital transformation plans required greater storage scalability

Results

Expands storage as needed to keep up with growing demand

Accelerated speed of file access and SQL instances

IT staff gain peace of mind with proactive monitoring to prevent issues

The IT staff reassessed the hospital's storage requirements and considered future needs. The hospital decided it needed to migrate to a faster and more efficient storage cluster in Pure Storage FlashArray//X.

Implementing Pure During Lockdown

St Georges' legacy systems were running out of capacity and needed to be retired as soon as possible. But a COVID-19 lockdown was looming.

"We wanted to get the new Pure Storage implemented quickly as our storage needed to be ready to take on extra workload during the height of the pandemic," says Fenton Kitchen, Chief Digital Officer from St George's Hospital.

The St George's IT team moved quickly with remote support from the Pure Storage team. "Once the hardware was delivered onsite at St George's, the Pure arrays were up in under six hours," says Fenton.

Keeping Up With Growing Storage Demand

"We chose Pure for the speed of its storage, and for the real-time monitoring and updates from Pure1," says Fenton. "We purchased 20 terabytes, but we're actually getting much more with a potential data reduction ratio of 3:1."

The hospital also chose the Pure Storage Evergreen Storage model to enable IT staff to rapidly expand storage as needed. Since moving onto Pure, the team has not only increased storage capacity, but also gained significant speed and smoother integration with the VMware environment.

"Our file access and Microsoft SQL Server instances are much faster, helping to improve the stability of SQL connections for applications," says Fenton. "Backups and snapshots are significantly faster too."

Resiliency in the Face of Disaster

Christchurch is no stranger to natural disasters. The St George's team implemented ActiveCluster and advanced data protection measures that help maintain availability and deliver high resiliency should an unforeseen event occur. In addition, IT staff receive pre-emptive alerts with Pure1.

"We worry less about security risk and cyber threats knowing we have a secure platform that is optimised and up to date," says Fenton. "Working with the Pure team has been an incredibly positive experience. The team's knowledge and expertise provide us with peace of mind."