Affordable, Reliable, Fast & Scalable Infrastructure for Ivanhoe Grammar School

Challenge

- Aging infrastructure
- High availability requirements
- Proactive upgrades
- Scalability
- Energy efficiency

Technology

- HPE ProLiant Servers
- HPE Nimble Storage Arrays
- Apollo Tape Libraries
- SAN Switches

Benefits

- Increased availability
- Enhanced performance
- Energy efficiency
- Ease of management

Ivanhoe Grammar School's storage solution was reaching the end of its life. They wanted to proactively update their systems to ensure maximum availability and performance to support 2,800 users. They deployed two HPE Nimble Storage arrays with predictive analytics from HPE InfoSight to support a range of core business and educational functions. It provides a reliable, high-performing storage platform that is simple to manage, scales easily, and consumes less energy than the earlier solution.

CHALLENGE

Ivanhoe Grammar School is one of Melbourne's leading private schools. It offers Early Learning to Year 12 across 3 campuses, supporting over 2,800 students and staff.

The school's storage platform, consisting of two arrays, had been in place for four years, was reaching capacity, and was draining resources from a management perspective. The school wanted to refresh this storage environment with an affordable solution that would be easier to manage and could help them proactively update their systems to ensure maximum availability and performance.

> "We wanted to look into the future and see what we could do with new technology."

Winston Mattson, Director of Systems and Infrastructure, Ivanhoe Grammar School

LONG-TERM PARTNERSHIP

Ivanhoe Grammar School turned to their long-term IT partner, Novo3, for help in their infrastructure refresh project. As this was the third major HPE infrastructure upgrade Novo3 had completed at IGS, they were fully aware of the school's goals and how to design an infrastructure setup to meet their needs.

Novo3 undertook a comprehensive approach to design and implement the new infrastructure for Ivanhoe Grammar School. They began with the design and planning phase, creating a solution that included 8 HPE Proliant servers, 4 SANs, 8 Apollo tape libraries, and SAN switches, spread across 5 data centres on 3 campuses. Novo3 managed the entire project, providing all necessary technical resources and overseeing the deployment process. The deployment phase involved setting up the new infrastructure, migrating data, and ensuring minimal disruption to the school's operations. Thorough testing was conducted to ensure all systems functioned correctly and met performance and availability requirements. Novo3 also provided training for the school's IT staff on managing and supporting the new systems.

SOLUTION

The products used in this project included 8 HPE Proliant Servers for reliable computing power, 4 HPE Nimble Storage Arrays equipped with predictive analytics from HPE InfoSight for enhanced performance and reliability, Apollo Tape Libraries for data backup and archival needs, and SAN Switches for efficient data centre connectivity and data transfer.

"Our relationship with HPE allows us to bring the most innovative storage technology to our customers."

Stuart Wilson, Novo3 Senior Technical Account Manager

BENEFITS

The new infrastructure at Ivanhoe Grammar School brought several key benefits. It ensured reliable and high-performance IT services, keeping essential systems running smoothly for students, staff, and parents. By proactively updating and enhancing the systems, the school reduced the risk of disruptions, keeping a seamless educational environment.

The solution's scalability means it can grow with the school's needs, ensuring long-term efficiency and flexibility. Improved energy efficiency lowers operational costs and supports the school's sustainability efforts. Simplified management of the storage platform allows IT staff to focus on more strategic tasks, boosting overall productivity.

With predictive analytics from HPE InfoSight, the school gains insights to enhance system reliability and performance, preventing potential issues before they affect operations. In summary, the new infrastructure supports around 2,800 users, enhancing their experience and keeping the school at the forefront of educational technology.

"Since the project has been completed, we have noticed that the systems are running well. Testing and benchmarking show we are getting extra performance out of the infrastructure with zero downtime."

Winston Mattson, Director of Systems and Infrastructure, Ivanhoe Grammar School

NOVO3 EDUCATION STORAGE SOLUTIONS

Speed, stability, scalability. Our team of experts has worked in multiple industries; architecting, designing, and deploying solutions to organisations of all sizes. We take immense pride in the work we do and ensure industry best practices are followed for successful project delivery.

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