Accelerating Discovery: TGen Research Supercharged with Versity Archival Solution

The Translational Genomics Research Institute (TGen), part of City of Hope, needed a cost-effective way to archive data to support its research and precision medicine initiatives. Versity provided a solution.

TGen is a leader in biomedical research, with a focus on cancer, neurodegenerative disorders, pathogens and rare childhood disorders. Powering its research is an extensive collection of genomic and proteomic data. This important data archive is essential for TGen, allowing the organization to advance its research and develop life-saving breakthroughs. However, managing the large amounts of data posed significant challenges.

Outdated Infrastructure

TGen had a unique opportunity to enhance its data management system, paving the way for greater innovation in their pursuits. Their existing archiving system, once at the pinnacle of technological advancement, required significant improvement. Upgrading it would enhance their storage infrastructure, eliminating issues of accessing or storing data and better support the demands of modern research.

TGen needed to make an important choice: move to a cloud-based solution or improve their current on-premises infrastructure. While the cloud offered the appeal of enhanced efficiency, its unpredictable costs could affect budgets as their research expanded. Varsity presented a cost-effective data management package that could match the scalability and efficiency of cloud systems.

Strategic Synergy: ScoutAM's Fusion of Modernity and Predictability

To address their challenges, TGen chose Versity's ScoutAM. ScoutAM is notable for its high-performance archiving capabilities and focus on scalability. As TGen sought to expand its research, it needed a system that could grow with their needs, and that's exactly what ScoutAM was designed to do.
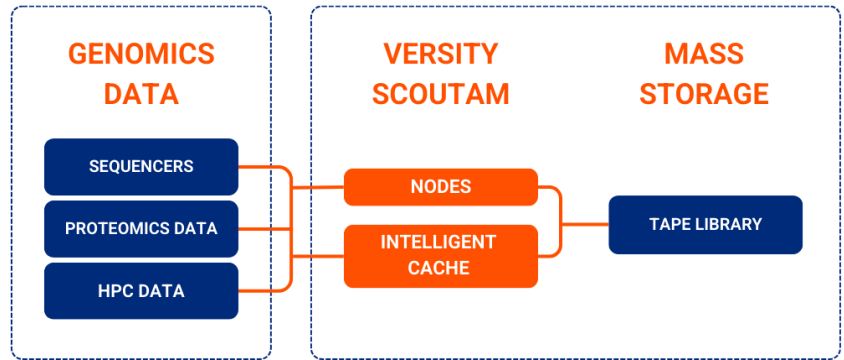
Its scalable architecture ensured that TGen could seamlessly expand its storage architecture as their research efforts called for increased capacity. Versity's stable pricing model also offered greater financial predictability, helping TGen more precisely plan and budget for future growth.

Furthermore, adopting ScoutAM led to significant improvements in data retrieval speeds. Its robust architecture matched the performance of the best cloud archives, ensuring rapid access to large datasets and efficient storage management. This enhanced performance allowed TGen to handle larger datasets and more complex queries without compromising speed. As

a result, TGen could process and analyze data more swiftly and accurately, further enhancing their genomic studies and contributing to future discoveries and advancements.

Versity's solution was comprehensive, addressing more than just storage and migration needs. Recognizing the crucial role of integration in IT projects, Versity prioritized smooth system interoperability. ScoutAM seamlessly integrated with

TGen's existing workflows and legacy tools, ensuring compatibility and preserving the richness of TGen's historical data. This preservation of data integrity and accessibility enabled TGen to build on past findings, support longitudinal studies, and conduct comparative analyses with new data. Such continuity was vital for enhancing their research capabilities, making well-informed decisions, and achieving more precise and impactful results in their genomic studies.

Tailoring Turnkey Solutions

TGen found an exceptional solution to its data management challenges through its strategic OEM partnership between Versity Software, Dell Technologies, and Spectra. This partnership leveraged their industry-leading capabilities to design an integrated solution tailored to TGen's specialized demands. Versity's pioneering software solutions, expertly honed for optimal data storage and management, melded flawlessly with Dell Technologies' robust and high-performance hardware, while Spectra provided complementary advancements and support. This collaboration distilled what could have been a complex procurement process into a simplified experience, granting TGen a turnkey solution perfectly aligned with its current needs and scalable for future advancements.

Complementing this integrated solution, TGen experiences frictionless technical support and responsiveness for problem resolutions and performance questions, through Versity's streamlined combination of webform-based ticket creation and Slack-enabled interactions with their engineering team.

"We deeply value this partnership with Versity, Dell, and Spectra. Their best-of-breed solution and support for our increasing workloads and scale means that our invaluable research data is anchored in a robust archive system, built on a future-ready architecture with long-term cost predictability."

-Lyn Gerner, VP Technology Operations, TGen

Recap: TGen's Choice for Data Management

Choosing between cloud and on-premises solutions poses challenges for any research institution. In the rapidly changing field of genomic research, TGen chose to adopt Versity's ScoutAM data management solution. This decision provided a clear path for handling data storage and retrieval that provided a number of benefits. At the core was a high-performance, cost-effective and scalable archive structure that accounted for both storage and integration. ScoutAM seamlessly melded with TGen's workflows, preserving invaluable compatibility with their existing tools and methodologies. The cohesive team of vendor partners —Versity, Dell Technologies, and Spectra— ensured the success of its deployment and operational excellence at TGen. This venture provided not just a technological upgrade, but also strengthened TGen's research framework and improved their data management, helping the Institute stay at the forefront of today's biomedical research advances.

Versity provides a simple yet powerful platform for managing and preserving massive collections of unstructured, offering the first scalable, modular, and cost-efficient solution for exabyte-scale data orchestration.