Quantum®

Unlocking Life's Code with Intelligent Tiered Storage for Genomics

Advances in genomics and bioinformatics are changing the world. Declines in the cost and run times for next-gen sequencing are creating opportunity along with a flood of data. Researchers need storage that delivers high-speed access to large data sets and allows valuable genomics data to be kept available for decades. Quantum delivers intelligent data management for genomics—storage that provides the right speed, scale, access, and economy to allow teams to focus on what they do best—the science.

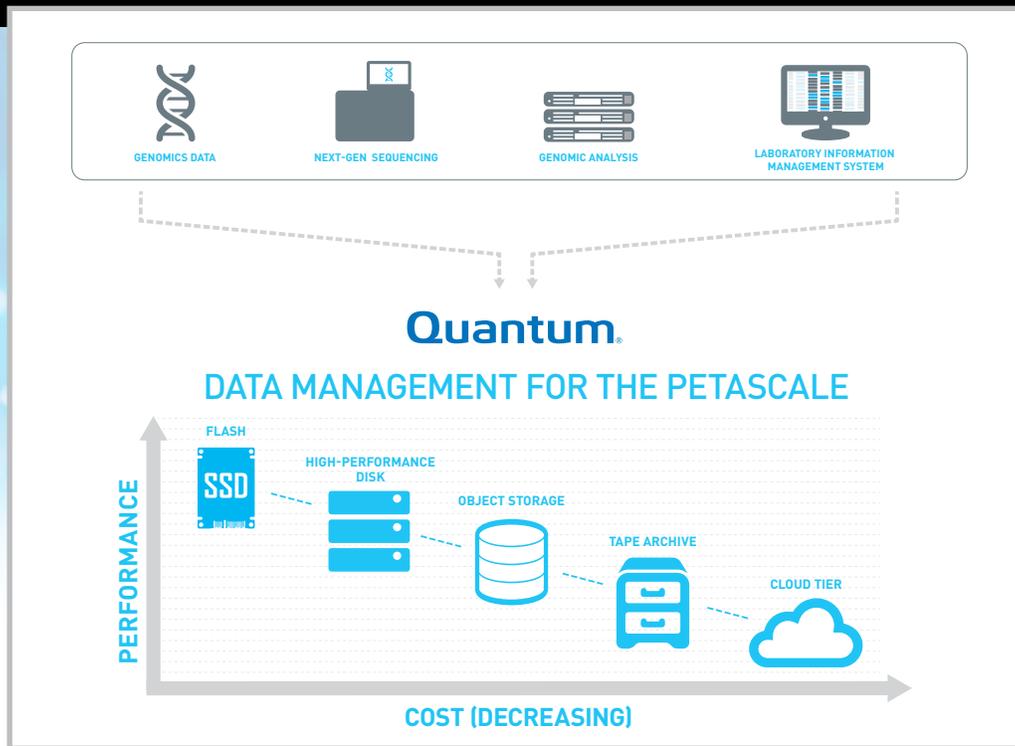## MANAGING PETASCALE GROWTH FOR GENOMICS DATA

Legacy storage can't keep up with today's "genomical" data growth. Quantum provides immediate, high-speed access to billions of files with storage that can easily scale to petabytes. Data is ready for tens, hundreds, or thousands of scientists when and where they need it.

ECONOMICS OF TIERED STORAGE LETS YOU KEEP DATA FOR DECADES

The economics of tiered storage can't be beat. With a mix of flash, high-speed disk, object storage, LTO/LTFS tape, and cloud (according to customer policy), tiered storage from Quantum enables researchers to preserve genomics data for decades.

QUANTUM = WORKFLOW STORAGE FOR GENOMICS & BIOINFORMATICS

GENOMICS DATA   NEXT-GEN SEQUENCING   GENOMIC ANALYSIS   LABORATORY INFORMATION MANAGEMENT SYSTEM

Quantum

DATA MANAGEMENT FOR THE PETASCALE

FLASH · SSD · HIGH-PERFORMANCE DISK · OBJECT STORAGE · TAPE ARCHIVE · CLOUD TIER
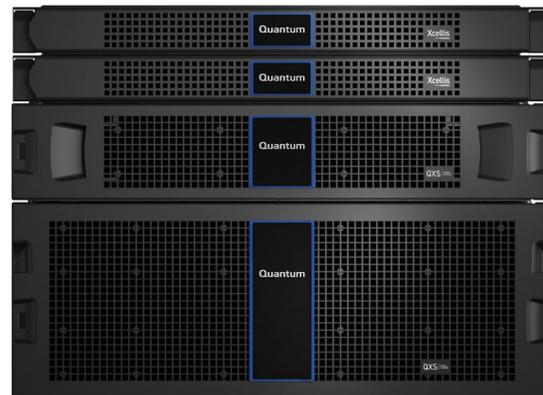
PERFORMANCE

COST (DECREASING)

Quantum tiered storage delivers the right balance of speed, scale, and cost so genomics researchers can turn the flood of life sciences data into insights.

OBJECT STORAGE IS THE FUTURE OF SCIENTIFIC DATA

Next-gen object storage from Quantum offers massive scale and data durability, ensuring long-term data integrity for genomics archives. With shared access and compatibility with S3 and cloud protocols, teams can collaborate easily.

WORKFLOW STORAGE BUILT FOR GENOMIC SEQUENCING & ANALYSIS

Bioinformatics depends on fast data capture and analysis. Proven in data-intensive industries like geospatial intelligence and oil and gas, the industry's fastest streaming file system helps teams focus on what they do best—the science.

Quantum