Unified Analytics Powered by Flash-Optimized Data Lakes

VAST + VERTICA

The Fastest Way to Power Vertica Queries

Today organizations spend far too much time managing data across data lakes, data warehouses and other siloed data sources. Together, VAST Data and Vertica deliver a unified data analytics platform that helps enterprises consolidate their structured, semi-structured, and unstructured data silos on a flash-powered data lake.

Data-driven customers need more speed than ever, especially as users and datasets grow. Vertica expands on this mission by providing organizations with a flexible and efficient way to scale compute performance independent of storage, while delivering workload isolation for different types of analytics. In line with that mission, storage must also be architected to ensure real-time performance even as users, applications, and datasets scale.

Enter VAST Data

With its unique disaggregated shared everything (DASE) architecture, The VAST Data Platform allows customers to benefit from real-time storage performance for all their use-cases, ranging from data warehouse analytics and ad-hoc queries to complex data science jobs. This combined with exabyte levels of scalability and multi-tenant quality of service tools, makes it possible for customers to consolidate all their data onto one scale-out tier of affordable flash.

Why VAST?

Real-Time Response

Massively-parallel architecture delivers concurrency and real-time access to billions of files and objects.

Best in Class Performance

Vertica queries run queries 3x faster when powered by The VAST Data Platform.

EON Workload Isolation with QoS

Get dedicated Quality of Service (QoS) for Vertica sub-clusters supporting different departments.

Built for Scale

Elastically scale storage as the database grows from terabytes to multiple petabytes and beyond.

Radical Savings & Efficiency

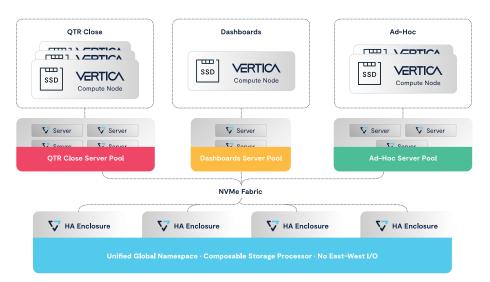2x better data center density and all-flash performance at 1/2 the cost.

About Us

VAST is the data platform for simplicity at scale. VAST engineered the first new scale-out architecture in 20 years to take you beyond the conventional limits of scale, resilience and cost.

Looking to simplify your data center and unlock insights from all of your data? Contact us at hello@vastdata.com

Running Vertica Sub-Clusters on the VAST Data Platform

The Better Option: The VAST Data Platform

Most storage technologies just repackage the 20-year old shared-nothing, scale-out architecture, which struggle to reliably scale performance and capacity beyond a few petabytes. With it's DASE (Disaggregated and Shared Everything) architecture, VAST Data has reimagined every aspect of what has become typical in storage system design, delivering superior scalability, resilience, and Quality of Service (QoS) at a radically lower TCO for your rapidly evolving data analytics applications.

Vertica Use Cases Powered by VAST DataStore

Data Lakehouse
Vertica leverages ORC, Parquet, JSON, Avro and text formats in your VAST data lake and provides analytics for semistructured data. Seamlessly mix and match data in the data warehouse and data lake.

Data Warehouse
Consolidate data warehouses and other siloed data on VAST Data as a single, unified repository for Vertica and deliver fast, scalable data warehouse analytics on structured data.

Data Science
Enable data scientists to choose from a comprehensive list of analytical capabilities that include SQL, Python, AI and ML, time-series, geospatial and more. Connect it to your ecosystem of ETL and BI tools for easy integration.

Trusted by Industry Leaders

VAST is trusted by leading companies around the world to leverage a single radically affordable all-flash innovative platform.

Scale-Out Architecture
DASE allows users to scale the performance, independently from the capacity of their system.

Massively-Parallel Scalability
Get real-time responsiveness for all your data. With no east-west cluster traffic, DASE enables virtually unlimited linear, predictable scale.

Multiprotocol Support
Enable access to the same data via S3 and NFS simultaneously, eliminating the need to create multiple copies of the same data

Dedicated Quality of Service (QoS)
Pool compute servers to provide dedicated QoS for competing applications on the same namespace.

Superior Data Reduction
VAST's unique similarity based data reduction provides the industry's highest.

No More Migration
Add enclosures and compute servers of multiple generations into a single cluster and namespace.