Solution Brief

Backup, Restore, and Recover at the Speed of Flash

VAST + veeam

All-Flash Backups and Restores at Archive Economics

The onslaught of ransomware has spawned a "digital pandemic" in which organizations worldwide are susceptible to crippling attacks and disastrous outcomes. The nature of the threat has moved IT organizations to reevaluate all elements of data protection strategy, including backups, restores, and full system recoveries. With industry analysts predicting ransomware attacks to be when—not if—scenarios for most organizations, IT leaders are urgently focused on how fast they can recover at datacenterscale following a cyberattack.

VAST Data and Veeam® partner to deliver a modern flash-based data protection and recovery solution that enables rapid backups and fast restores for instant data recovery in the event of a ransomware attack, disaster, or rogue employee. VAST Universal Storage serves as a high performance target for Veeam Backup & Replication™ to enable blazing fast backup and restore performance, as well as simple, flexible, and reliable solutions for protecting cloud, virtual, and physical workloads. Together VAST and Veeam enable organizations to meet stringent RPOs/RTOs, eliminate downtime, and recover at scale.

Until now IT organizations haven't been able to afford all-flash backup infrastructure due to the prohibitive cost differences between disk and flash. VAST brings flash to backup price points by combining low-cost flash with revolutionary data reduction and highly efficient erasure codes. The VAST and Veeam joint solution helps customers eliminate downtime and ensure availability of critical data and applications, laying the foundation for a modern data protection and business continuity plan at a cost lower than legacy systems.

Why VAST?

All-Flash Backups and Restores

Recover 50x faster than disk-based backup appliances and reduce downtime to minutes instead of days.

Ransomware Protection

Prevent, detect, and restore rapidly from an attack without having to pay ransom. Comprehensive ransomware mediation includes immutable snapshots that ensure data and policies are protected.

Simplicity at Scale

Manage backups, restores, archives on a single exabyte-scale system.

Archive Economics

Drive flash costs down to archive price points through QLC flash, revolutionary data reduction, and highly efficient erasure codes.

Unprecedented Storage Efficiency

VAST's next-gen algorithms deliver 3X data reduction after Veeam deduplication and compression.

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**

One Universal Platform for All your Data

Organizations spend far too much energy and money moving data throughout a storage hierarchy that is rapidly growing in complexity. With VAST Data, you store everything in a single tier of flash storage that's fast enough for demanding applications, large enough for all of your data, and affordable enough that HDDs are no longer relevant. Our radical flash economics make VAST Data universally applicable for a wide range of applications, including backups and restores using Veeam.

Similarity-Based Data Reduction

VAST's Similarity-Based Data Reduction delivers advanced levels of data reduction in addition to Veeam's data compression and deduplication technology. VAST's data reduction algorithms reduce data in similar blocks down to minimum-sized delta blocks by compressing similar blocks together. The result is a best of all worlds approach that brings the effective cost of flash in line with HDD-based systems for backup scenarios without compromising on performance or resiliency.

Partners in All-Flash Data Protection

Meet stringent RPOs/RTOs, eliminate downtime, and recover at scale with VAST and Veeam.

Trusted by Industry Leaders

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

verizon NASA CoreWeave NIH Lambda Lawrence Livermore National Laboratory U.S. AIR FORCE jumptrading Crusoe RESEARCH salk Chan Zuckerberg Initiative

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