VERITAS NETBACKUP + VAST
COMPOUNDING DATA REDUCTION DELIVERS UNRIVALED SAVINGS

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 re-evaluate 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 data center scale following a cyberattack.

VAST Data and Veritas® partner to deliver a modern flash-based data protection and recovery solution that enables rapid backups and fast restores and instant data recovery in the event of a ransomware attack, disaster, or rogue employee. VAST Universal Storage serves as a high-performance target for Veritas NetBackup 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 Veritas enable organizations to meet stringent RPOs/RTOs, reduce downtime, and recover at scale.

COMPREHENSIVE RANSOMWARE PROTECTION

The threat of ransomware has flipped the world of data protection upside down – while legacy vendors continue to promote backup performance, recovering from a ransomware attack requires massive restore performance to resume business operations.

Restores of deduplicated backups from spinning disks can take days to weeks – downtime that can cost millions of dollars in lost business. Flash is the logical choice but 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 reduces flash to backup price points by combining low-cost flash with revolutionary data reduction and highly efficient erasure codes.

Experienced data protection administrators know a layered defense is the best strategy. The first layer of defense is Veritas Cross-System Anomaly Detection to detect suspicious activity. Next VAST Indestructible Snapshots to ensure that a valid copy of data is available and protected even from insider threats. And finally, snapshots can be replicated to remote data centers or to cloud targets to protect against site and regional disasters.

KEY BENEFITS OF VAST + VERITAS NETBACKUP

Affordable All-Flash Data Protection
Drive flash costs down to archive price points with QLC flash and revolutionary data reduction.

All-Flash Performance for Backup and Restores
Recover 50x faster than disk-based backup appliances and reduce downtime to minutes instead of days.

Leverage instant recovery instances without the bottleneck of slow backup appliances.

Superior Resilience
Erasure coding that's 2X more resilient, 10X more efficient and 75% faster rebuilds.

Ransomware Protection
Comprehensive ransomware mediation includes immutable snapshots that ensure data and policies are protected.

Unprecedented Storage Efficiency
VAST's next-gen algorithms deliver up to 10X data reduction on top of NetBackup deduplication and compression.

UNPARALLELED SCALE AND SIMPLICITY

Universal Storage, with a global namespace, delivers radical simplicity to end data management tasks that plagued legacy storage architectures. When you can store everything in a single tier of flash storage you eliminate silos and optimize utilization.

In contrast to purpose-built backup appliances where adding a new appliance forces you to migrate backup jobs and burdens you with ensuring even utilization, VAST's single massive namespace dynamically adds storage and performance to grow with your needs. No more stranded resources or islands of underutilized storage.

THE INFINITE REFRESH CYCLE

6-12 MONTHS MIGRATION

3 YEARS OF UTILITY → 3 YEARS OF UTILITY

3 YEARS OF UTILITY → 3 YEARS OF UTILITY

6-12 MONTHS MIGRATION

6-12 MONTHS MIGRATION

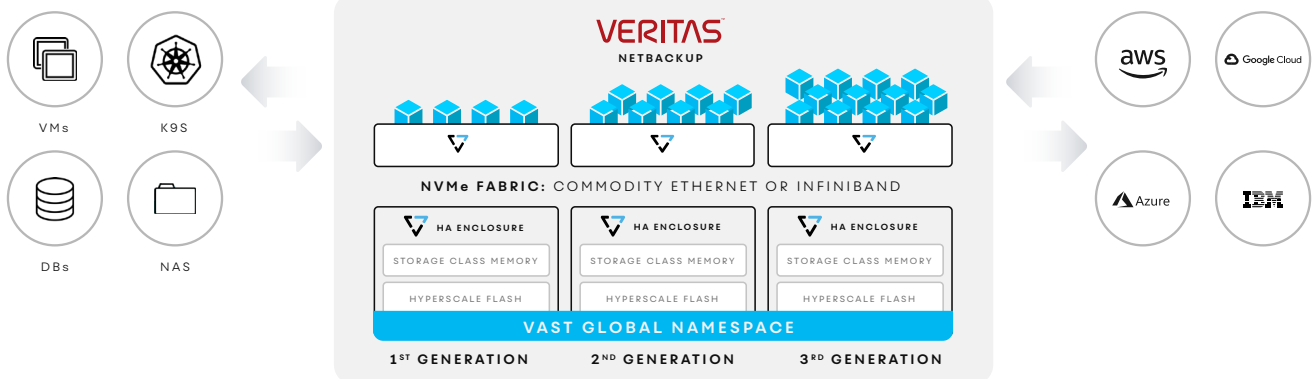### THE INFINITE STORAGE LIFECYCLE

NEVER MIGRATE AGAIN

The typical 3-5 hardware refresh cycle of legacy storage vendors is out of step with the needs of backup applications. VAST Universal Storage supports hardware platforms for 10 years and multiple generations of appliances in the same cluster creating a storage life cycle that aligns with your business needs.

SIMILARITY-BASED DATA REDUCTION

VAST's Similarity-Based Data Reduction delivers advanced levels of data reduction in addition to Verita NetBackup'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

V A S T + VERITAS

VERITAS
NETBACKUP

VMs   K9S   DBs   NAS

NVMe FABRIC: COMMODITY ETHERNET OR INFINIBAND

HA ENCLOSURE | HA ENCLOSURE | HA ENCLOSURE
STORAGE CLASS MEMORY | STORAGE CLASS MEMORY | STORAGE CLASS MEMORY
HYPERSCALE FLASH | HYPERSCALE FLASH | HYPERSCALE FLASH

VAST GLOBAL NAMESPACE

1ST GENERATION   2ND GENERATION   3RD GENERATION

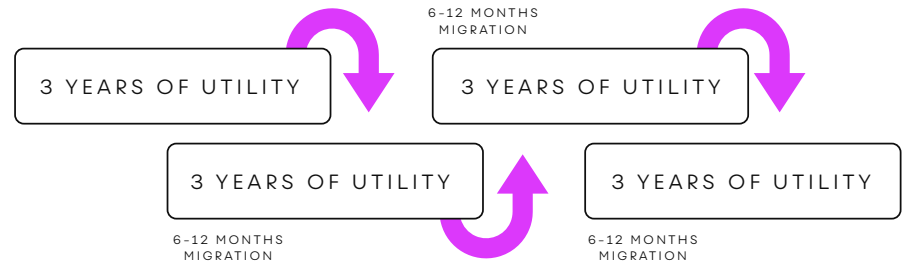aws   Google Cloud   Azure   IBM

BACKUPS, RESTORES AND ANALYTICS AT NVME SPEEDS

UP TO 50X FASTER THAN HDD INFRASTRUCTURE

COMPOUNDING DATA REDUCTION DELIVERS UNRIVALED SAVINGS

UP TO 10:1 ON NETBACKUP WORKLOAD

EXABYTE SCALE, INFINITE LIFECYCLE

EXABYTES IN A SINGLE NAMESPACE MULTI-GENERATION CLUSTER

VASTDATA.COM