

## 20 YEARS OF APPLIANCES NEVER BUILT FOR RESTORE

Enterprise data protection requirements are vastly different today than even a few short years ago. The onslaught of ransomware has spawned a “digital pandemic” in which any organization can suffer crippling attacks and disastrous outcomes. The nature of the threat has moved IT organizations to re-evaluate data protection as a whole, from data backups and restores to entire system recovery.

Whereas as many as 90 percent of data restores went toward recovering small datasets from user error, recovery from ransomware attacks today represent many thousands of encrypted files, virtual machines, and containers. Too many organizations discover their legacy purpose-built backup appliances (PBBA) cannot provide the recovery performance they need when they need it.

VAST Data’s revolutionary Universal Storage enables organizations to restore 50x faster than legacy PBBAs and restore entire IT estates in real-time. Combining hyperscale flash storage with breakthrough levels of storage efficiency and data reduction, VAST makes all-flash restores an affordable reality for system operators seeking to future-proof and fortify their data protection agenda.

## RAPID RECOVERIES FOR THE RANSOMWARE ERA

PBBAs are not built for rapid restores; they are designed to meet backup windows and minimize storage costs. They achieve these objectives by deduplicating backup data across spinning disks, which is ideal for maximizing write speeds but causes read performance to suffer. In fact, most PBBAs back up data 4-10 times faster than they can restore, leaving customers to discover their recovery limitations at the worst possible times. It’s no wonder that PBBA vendors for decades have conditioned customers to consider backup throughput as the most critical performance metric.

### VAST’S KEY BENEFITS

#### All-Flash Performance

Restore and recover business-critical data and applications in minutes, not days or weeks.

#### Tier-5 Cost Efficiency

QLC flash, revolutionary data reduction, and highly efficient erasure codes bring flash to backup price points.

#### Petabyte to Exabyte-Scale Storage

Use one storage system for all your backup data, maximizing data reduction and minimizing complexity.



Today the rapid restoration of data is paramount, but data restores are only as fast as the infrastructure on which they're stored. Until now customers haven't been able to afford all-flash data centers due to the prohibitive cost differences between hard drive and flash storage systems. IT admins have tried to thread the needle between high performance and high cost by tiering data with a combination of expensive flash and cheap disk storage, but it's a cumbersome and complex process and ultimately fails to deliver the fast restore of an entire datacenter in the event of an attack.

## ALL-FLASH RESTORES AT ARCHIVE ECONOMICS

VAST Data's Universal Storage is architected entirely from next-generation NVMe media that provides the foundation for rapid restores of business-critical data and applications. VAST combines QLC flash, revolutionary data reduction, and highly efficient erasure codes to bring flash to backup price points, eliminating the economic arguments for mechanical media.

By removing the cost barriers of flash storage and making it feasible for organizations to leverage SSDs for all backups and restores, VAST has democratized real-time data recoveries to enable organizations to maintain a robust business continuity agenda.

### 50X Faster Restores

All-flash read performance ensures much faster restores than disk-based backup systems.

### Flash at the Cost of HDDs

VAST's combination of global data reduction and QLC flash deliver dramatically better efficiency than any other backup appliance.

### Safeguard Data from Ransomware

Indestructible snapshots protect critical backup copies and snapshots from being altered or destroyed by nefarious actors inside or outside the organization.

### Accelerate Backups at Any Scale

Complete backups of ever-growing datasets in ever-shrinking backup windows.

### Glean Insight From Backup

Gather insight via data classification and e-discovery without restoring to primary storage.

### Low Total Cost of Ownership

VAST's 10-year warranty provides an industry-best TCO advantage vs. typical 3-5 year refresh cycles.

## Universal Storage Single, Scale-Out All-Flash Namespace



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