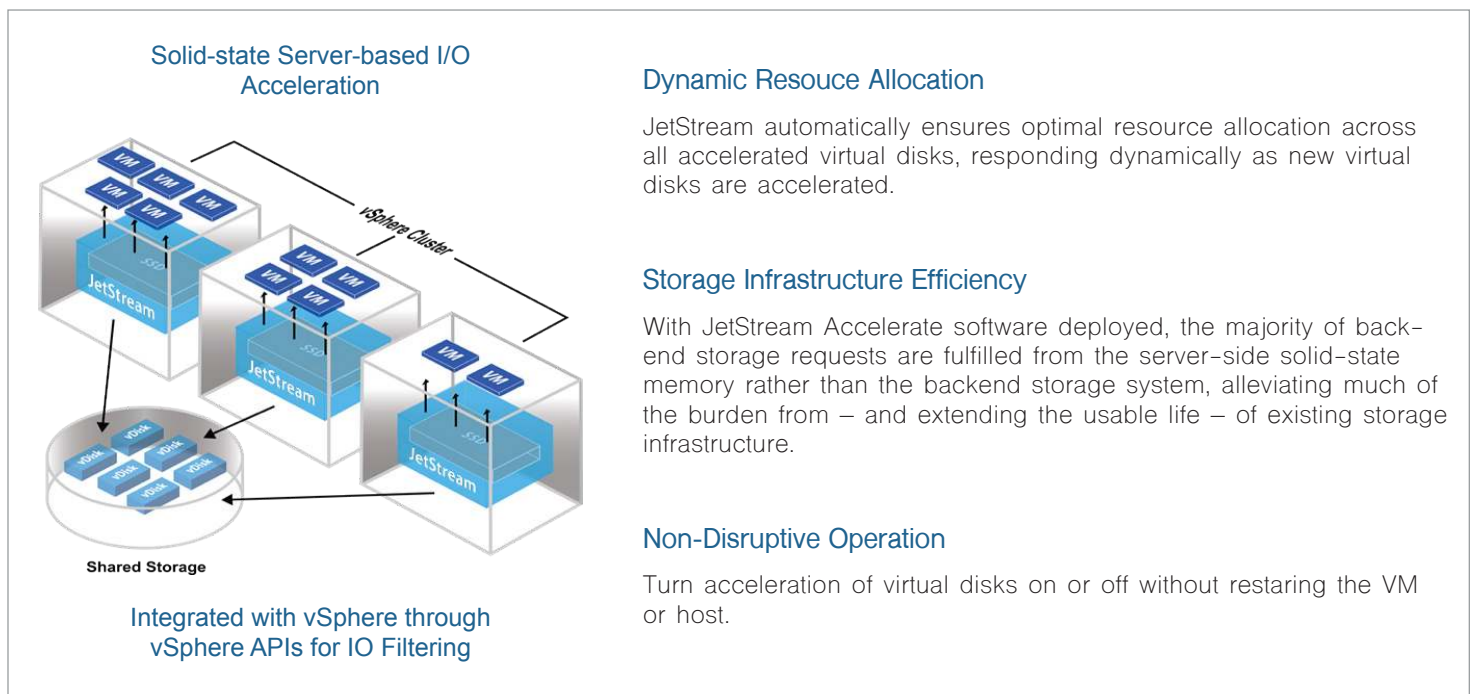


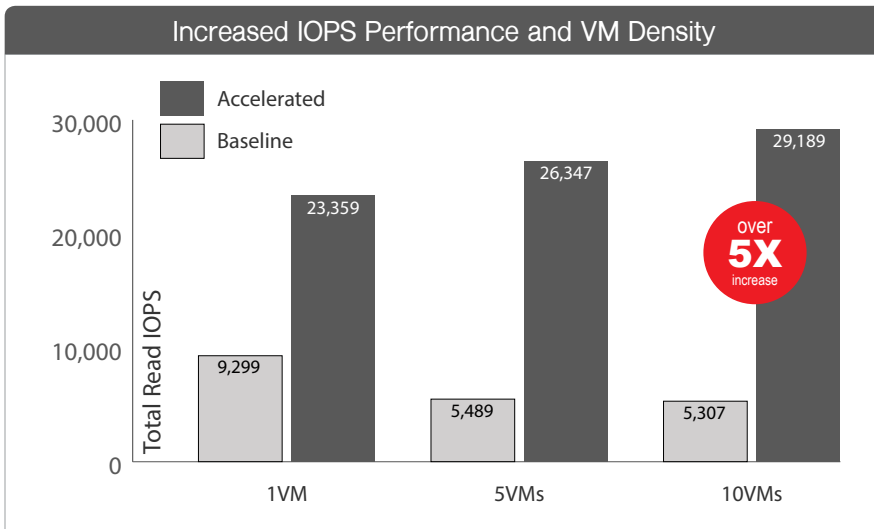
JetStream Accelerate 4.5 for VMware® vSphere® 6

JetStream Accelerate software enables cloud datacenters to cost-effectively boost database and application performance while simultaneously increasing the efficiency of existing storage infrastructure. JetStream Accelerate software uses host based solid-state memory as an accelerator for frequently accessed data. The software takes full advantage of the VMware vSphere APIs for IO Filtering (VAIO), allowing it to be integrated seamlessly within vSphere.

Key Features

- **Compatibility: VMware Ready™ Technology.** JetStream Accelerate software is implemented as an IO filter, integrated with vSphere through the VMware vSphere APIs for IO Filtering (VAIO).
- **Scalability.** The software is installed as a VIB, and is deployed and managed cluster-wide by vSphere. Updating and uninstallation are also managed natively.
- **Ease of Administration.** JetStream Accelerate software can be managed directly within the standard vCenter Web GUI. The software operation is managed through VMware Storage Policy Based Management (SPBM).
- **Granularity: Virtual Disk Level Acceleration.** IO acceleration may be configured on a per-virtual disk basis. JetStream Accelerate software offers acceleration configuration options from the cluster level to the virtual disk level.
- **No Agents in Guest.** JetStream Accelerate software does not install any agent components in the guest VMs' operating systems, ensuring all VMware-compatible guest OSs are supported.
- **Support for All Datastore Types.** JetStream Accelerate software enhances application performance for all VMware-supported data stores including VMFS, NFS, Virtual Volumes, and Virtual SAN.
- **Seamless Support for all VMware Cluster Solutions.** JetStream supports all VMware cluster solutions including vMotion, Storage vMotion, DRS, HA etc.

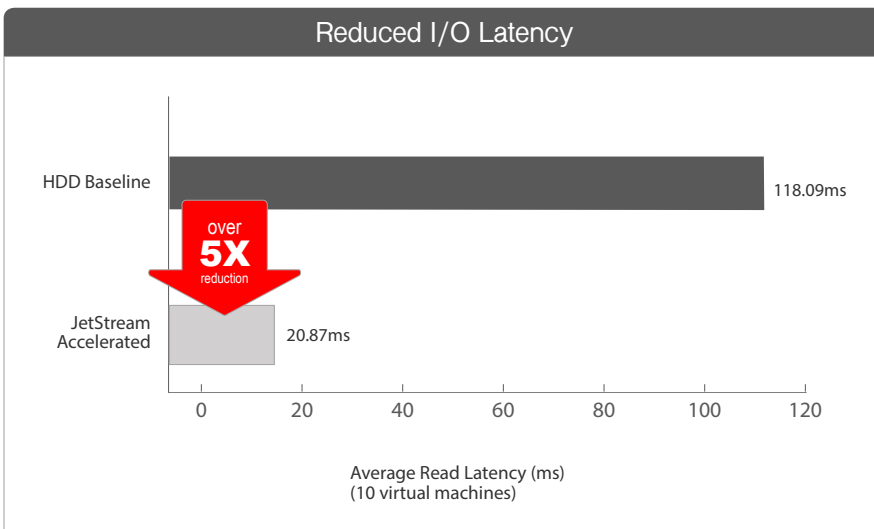




Increase Application IOPS and VM Density

Application performance and virtual machine density are increased using JetStream Accelerate software.

This example demonstrates how JetStream Accelerate software increased the read IOPS of varying number of VMs from 2.5x to 5x compared to HDD-based storage. Furthermore, IOPS of the 10 accelerated VMs was more than 5x greater than that of a single, non-accelerated VM.



Decrease I/O Latency

JetStream Accelerate software significantly reduces I/O latency of virtual machines.

A test of 10 VMs accelerated with JetStream Accelerate software showed a greater than 5x reduction of read latency compared to the same number of VMs running the same workload on a non-accelerated HDD storage backend.

vmware
READY

APPLICATION
SOFTWARE

OPERATING SYSTEM

- » VMware vSphere 6.5 or later

SSD HARDWARE

- » JetStream Accelerate software works with any standard SSD (PCIe, NVMe, SAS or SATA)
- » Minimum Size: 16GB
- » Maximum Size: 16TB

SERVER MEMORY & CPU

- » Recommended CPU: 64-bit x86 processor, 2 or more cores
- » Memory utilization: 500MB (approx.)
- » CPU utilization: 3%-5%
- » All server configurations: rack mount, tower, blades or skinless

STORAGE

- » All vSphere 6 compatible datastores (VMFS, NFS, Virtual Volume or Virtual SAN)