

Fusion ioVDI: Intelligent Performance for Desktops

Simple, Fast, Cost-Effective VDI

ioVDI changes the VDI landscape with a unique desktop-aware solution using server-side flash for performance and integrates with shared storage to preserve vMotion mobility and vSphere high availability features.



UNIQUE IOVDI FEATURES AND BENEFITS

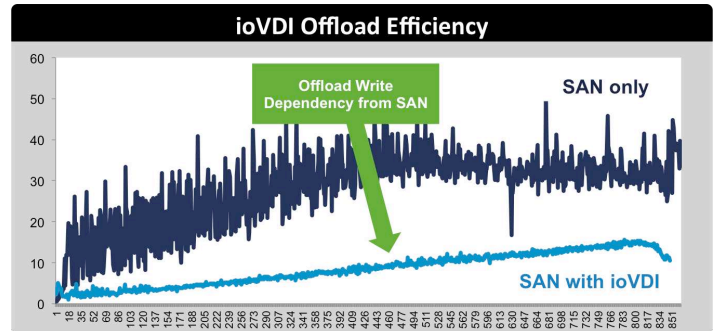
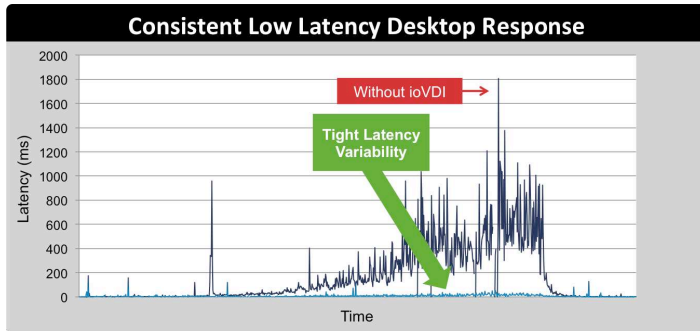
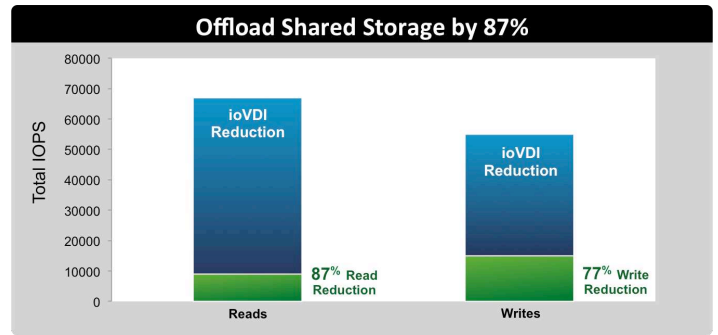
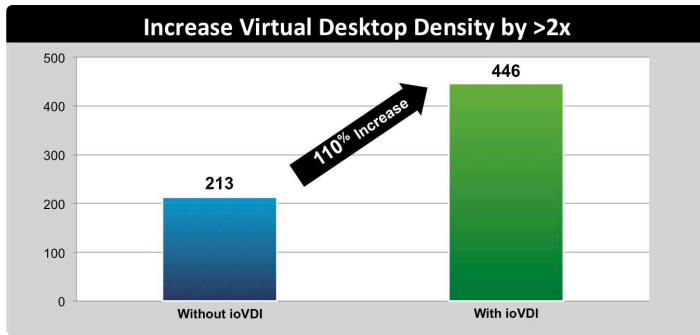
- *Write Vectoring* monitors desktop writes and intelligently vectors non-persistent writes to local server flash for acceleration.
- *Transparent File Sharing* allows all virtual desktops to share common files available on local server flash to speed boot times.
- *Storage-agnostic Architecture* supports any SAN or NAS storage to preserve storage and data protection investment.
- *Seamless VMware vMotion, HA, DRS, and SRM Support* through intelligent vectoring of persistent writes to shared storage.
- *Storage Snapshots transparently supported* with any VAAI shared storage management solution.

Key Benefits



- Storage traffic was reduced up to 90%
- Desktop responsiveness better than a laptop with SSD
- Significant increase in desktop density
- Linear scaling in practical increments

IOVDI TEST RESULTS



Solution Components	Host Requirements for 200 Virtual Desktops 1 x vCPU, 1GB vRAM, >1000 IOPS per Desktop
Fusion ioVDI Software	VMware ESXi 5.0, ESXi 5.1, ESXi 5.5
Server-side PCIe Flash	<p>Cisco 1.2TB accelerator for UCS C-Series (175 desktops with 785GB mezzanine card for B-Series)</p> <p>Dell 1.2TB PCIe accelerator</p> <p>HP 1.2TB HP IO Accelerator</p> <p>IBM 1.2TB IBM High IOPS PCIe Adapter</p> <p>Fusion-io ioMemory 1.2TB or higher recommended</p>
Recommended Host Server	Dual-socket Intel E5-2670/Dual-socket AMD 6376; 256GB RAM
Virtual Desktop Software	VMware Horizon View 5.0, 5.1, 5.2, and 5.3
Management	Intelligent scripting via CLI
Storage Support	Any DAS/SAN/NAS
vSphere Compliance	Supports VMware vMotion, HA, DRS, and SRM

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