

Balance the Datacenter with ioTurbine

Cost-effectively protect application performance, while preparing for tomorrow's growth

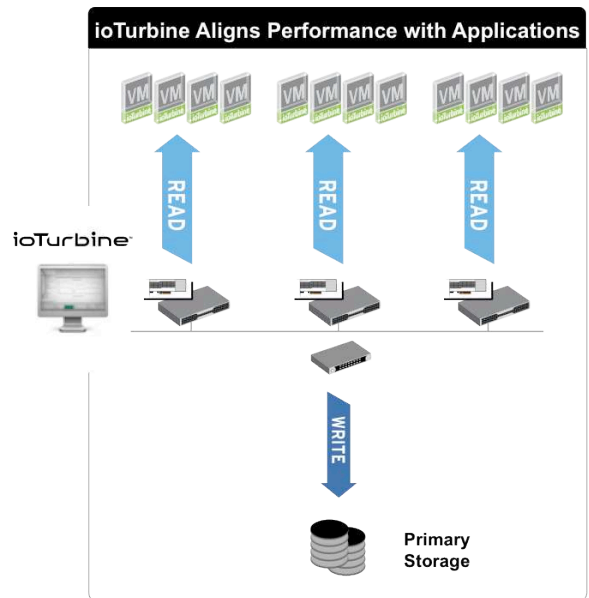
Organizations are challenged to maintain high-levels of application performance as business and data volumes increase.

ioTurbine offloads read workloads from expensive SAN and DAS infrastructure to high performance flash in servers. The result is a more efficient and resilient datacenter architecture that protects users from resource contention slowdowns common to traditional disk-based systems.

ioTurbine is an ideal solution for enterprise environments because it supports both physical and virtual servers.

IOTURBINE FEATURES

- Offloads any SAN or NAS storage
- Host-based caching for easy deployment
- Virtualization-aware architecture for optional disk, file, volume and VM-specific caching
- Dynamic support for VMware vMotion, DRS and HA features
- Automated cache reallocation across servers and guests without reservations or identical configurations
- Industry-leading [server OEM support](#)
- ioTurbine Profiler tool identifies benefit potential



IOTURBINE BENEFITS

- **Frees up to 96% SAN or NAS resources** to reduce storage costs
- **Protects application performance** with 40x server workload increase
- **Doubles server VM density** to consolidate server hardware and reduce software license costs
- **Non-disruptive deployment** that delivers immediate results

Product Features

Virtualization-aware caching	Disk, file, volume and VM-specific caching
Dynamic cache reallocation	Automatic cache allocation on vMotion without scripting
Unified architecture	Hypervisor, optional guest, and physical modes
Large cache capacity	Configurable capacity: 16TB per device, with up to 128TB total between host and guest caching Host-based caching: Up to 2.2TB aggregate capacity. Guest-based caching: Up to 24TB aggregate capacity.
High Availability ready	Certified for Microsoft MSCS, SQL HA, Exchange HA
Heterogeneous server support	Supports heterogeneous cache configurations across servers and guests
Unified management support	vCenter plugin, ioSphere Web-based management, CLI

System Compatibility

For flash directly installed in servers	Fusion ioMemory products
For external flash shared across servers	Fusion ION Data Accelerator systems and Fusion ioControl SPX
Guest operating systems	<ul style="list-style-type: none">- Microsoft Windows Server 2012 R2 and Windows Server 2012- Microsoft Windows Server 2008 64-bit and 2008 R2- Red Hat Enterprise Linux (RHEL) 5.6, 5.7, 5.8, 5.9, 5.10, 6.1, 6.2, 6.3, 6.4, 6.5 (64-bit)- CentOS 5.6, 5.7, 5.8, 5.9, 5.10, 6.1, 6.2, 6.3, 6.4, 6.5 (64-bit)- SLES 11 SP2, SP3- Oracle RHEL Compatible Kernel 5.9, 5.10, 6.4
Hypervisor support	VMware ESXi 5.x and all VMware supported guest operating systems
Supported SAN and NAS systems for persistent writes	Any VMware HCL-approved hardware