



## Tintri VMstore™ T540

The only application-aware flash storage appliance purpose-built for the virtual enterprise

Tintri VMstore™ is the first and only application-aware storage solution designed exclusively for the IO and data-management challenges driven by virtual machines. Traditional shared-storage solutions require complex configuration, specialized knowledge and are cost-prohibitive to deploy in virtual environments. With Tintri VMstore, administrators get simple, fast storage without the management burden associated with LUNs, tiers or volumes. Tintri VMstore appliances run the Tintri OS, a file system specifically designed to accelerate virtualization, delivering VM-level and vDisk-level management and metrics. The Tintri OS intelligently and cost-effectively leverages multilevel cell (MLC) flash storage to provide unparalleled performance for thousands of VMs.

Tintri VMstore does for storage what virtualization has done for servers.

### Simple

- VM and vDisk-level management, with per-VM operations like such as cloning and snapshots, which dramatically simplify day-to-day operations.
- Simple to configure with out-of-the-box integration with vCenter. A single VMstore T540 appliance can connect to with up to 16 vCenter servers.
- Installation and configuration takes minutes. A phone-home system automates and simplifies the support experience.

### Intelligent

- An application-aware file system with inline deduplication, compression and working-set analysis delivers assured performance and data integrity.
- Instant VM bottleneck visualization makes it easy to identify and fix VM performance issues anywhere in the infrastructure.
- QoS provides IO control for each VM with automatic allocation of flash to individual vDisks.

### Fast

- Flash-First™ design provides flash-level performance at disk prices and delivers cost-effective performance for every VM with 99% of I/O from flash.
- Intelligent performance management delivers up to 75,000 IOPS at consistent sub-millisecond latency for every VM on the system.
- Provision hundreds of VMs with vCenter-integrated cloning in just minutes.

### Highlights

#### Intelligent storage:

- Make virtualization predictable with storage built with the industry's first and leading application-aware storage architecture.

#### Infrastructure insight:

- Keep your virtual environment running the way it should with an end-to-end picture of your virtual workloads.

#### VM control:

- Be in control of your virtual environment with granular data management.

*“Compared to our previous storage, Tintri VMstore can run ten times the VMs in less than a tenth of the data center footprint, and reduce latency by 98 percent at the same time. They helped us realize a fundamental goal of virtualization: consolidating workloads and increasing resource utilization, both on hosts and on storage.”*

—Mike Torgersen,  
vice president of IT at ParAccel



For More Information:  
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# Tintri VMstore T540

## VMstore T540

<b>Controller</b>	Type	Redundant dual hot-swappable controllers with automated, seamless controller failovers and non-disruptive software upgrades
	Capacity	26.4 TB* (8x 300 GB MLC + 8x 3 TB HDD all RAID6 hot-plug 3.5" carriers)
<b>Networking</b>	Usable	13.5 TB*
	Management	Included: 2x 1GbE (RJ-45)
	Data	Included: 2x 10GbE (SFP+ or 10GBASE-T) Optional: 2x dual-port 10GBASE-T NIC (RJ-45 Cat-6a or Cat-7 copper)
	Replication	Included: 2x 1GbE (RJ-45) Optional: 2x 1GbE (SFP)
	Software functionality	Ethernet failover link aggregation, VLAN tagging, IP aliasing
<b>Physical specifications</b>	Rackspace	3 RU rackmount
	Dimensions (HxWxD)	5.2" (132 mm) x 19" (483 mm) x 25.5" (648 mm)
	Weight	85 lbs (39 kg)
<b>Power &amp; environmental</b>	Power	100-140 V — 7.5 A @ 50-60 Hz, 180-240 V — 4 A @ 50-60 Hz 600 W (nom) / 750 W (max) Redundant, hot-swappable dual power supplies, NEMA or IEC
	Thermal	2,048 BTU (nom) / 2,560 BTU (max)
	Operating temperature	50 °F to 95 °F (10 °C to 35 °C)
	Non-operating temperature	-4 °F to 148 °F (-20 °C to 70 °C)
	Operating humidity	10% to 85% (non-condensing)
	Non-operating humidity	5% to 95% (non-condensing)
<b>Regulatory</b>	Compliance	RoHS
	Safety	CSA/EN/IEC 60950-1, GOST
	Emissions	FCC Class A, ICES-003 Class A, VCCI Class A
	Agency	CE, CSA, VCCI
<b>Product support</b>	Administration	Web interface (https), KVM (console), SMTP for alerts
	Support	Proactive support with automated phone home and case creation
<b>Virtualization SW support</b>	Hypervisor	VMware vSphere 4.x and 5.x (NFS)
	Desktop virtualization	VMware Horizon View and Citrix XenDesktop

\*Capacity values are based on Base 10 (i.e., 1 TB = 1,000,000,000,000 bytes)





**PTS**  
DATA CENTER SOLUTIONS

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