Tintri VMstore™ T1000™
All-Flash Storage System

VMstore

Maximum Performance for Remote and Branch Offices

Flash storage has the power to fundamentally transform how you do business. But most solutions force you to compromise on performance, price, or features. Tintri VMstore T1000 all-flash storage systems provide an Intelligent Infrastructure to deliver powerful and efficient all-flash performance across your data center.

The T1000 as with other VMstore storage systems is managed from single point, providing a consistent experience across your organization. Whether the T1000 is placed in the core or the main data center, when you need to expand to smaller locations or areas where you do not need the robust performance and scalability, the T1000 can be managed from the same Tintri Global Center console. You get the same level of analytics, replication at the virtual machine level, and enterprise cloud management across all your VMstore environment.

At the core of the VMstore T1000 is the unique VMstore file system that is built specifically for virtualized workloads. This enables you to control each application automatically and match capacity to business needs one drive at a time. The VMstore T1000 delivers an exceptional user experience through completely autonomous operation, real-time and predictive analytics, and powerful automation at the application level to support your virtualized workloads.

Consolidate your virtualized enterprise applications onto a scalable, performant, and easy-to-use Intelligent Infrastructure. When the data that drives your line-of-business applications resides on VMstore T1000, your operations are dramatically simplified. Go from pilot to production with a few clicks of a button. Enjoy a simplified administrative experience so you can focus on your business. Experience Different!

Features

- Consistent Performance – Isolation for every application all the time
- Data Services – Real-time deduplication and compression, public cloud connector, copy data management, and more
- Real-Time Analytics – Visibility across storage, network, and hosts on a per-application basis
- Actionable Analytics – Get to root cause in one click; fix and see results instantly
- Predictive Analytics – Profile application types, then model and forecast capacity and performance needs over the next 18 months
- High Availability – RAID, active-standby controller with hot spares, and more
- Developer Choice – Select Tintri's native REST APIs, PowerShell toolkit, Python SDK, or plugins such as our vRealize Orchestrator that meet your needs
- Per-Application Data Management – Manage snapshots, clones, replication, and QoS policies on a per-VM basis

Benefits

- T1000 is an option for extending main datacenter to smaller sites and ROBOs.
- Tintri Global Center intelligently manages up to 64 VMstores across your entire infrastructure.
- Guaranteed high performance for every application without manual intervention
- Concurrent multi-hypervisor support enables you to operate vSphere, Hyper-V, RHEV, XenServer, and OpenStack simultaneously on a single system without partitioning
- Remote management of both initial system configuration and power simplifies administration of your distributed environment
- Share analytics data with vRealize Operations, Microsoft System Center Operations Manager, and other platforms to gain valuable holistic insight
- Easy configuration enables you to go from box to production workloads in under an hour in most cases
- Autonomous operation eliminates many manual steps saving time and reducing errors
- Support for open APIs delivers choice while making scripting simple, standardized, and powerful

Tintri
Intelligent Infrastructure

VMstore T1000 All-Flash Storage System

Model		Tintri T1000
Flash	Effective capacity [a] [b] [c]	10TB
	Raw capacity [c]	3.1TB
Application Density	VMs (max)	100
	VDisks (max)	300
Onboard Network ports per controller	DATA ports	2 x 10GbE
	ADMIN ports	2 x 1GbE
	REPL ports	2 x 1/10GbE
Optional Network ports per controller	DATA ports	2 x 10GbE SFP+
Physical Specifications	Dimensions (HxWxD)	2RU, 3.5" x 19.0" x 34.63" (89mm x 483mm x 880mm) without bezel
	Operating temp.	5°C to 40 °C (41°F to 104°F)
	Non-oper. temp.	-40°C to 70°C (-40°F to 158°F)
	Operating humidity	8% to 90% (non-condensing)
	Non-oper. humidity	5% to 95% (non-condensing)
System	Type	All-flash dual controller (active-standby)
Software	Tintri OS	Requires Tintri OS 4.3.3.x or higher
Virtualization	Supported Hypervisor Integrations	VMware vSphere, Microsoft HyperV, Red Hat Enterprise Virtualization (RHEV), Citrix XenServer, OpenStack, and Microsoft SQL Server
Additional Software	Management	Tintri Global Center™ Standard (included)
	Analytics	Tintri Analytics (included in active VMstore maintenance contract)
	Tintri Software Suite	Synchronous and Asynchronous Replication: ReplicateVM™ Public Cloud Connector: VMstore Cloud Connector™ VM Scale-out: Tintri Global Center™ Advanced Copy Data Management: SyncVM™ Data-at-rest Encryption: SecureVM™
Product Support	Administration	Tintri Global Center, web interface (https), KVM (console), SMTP and SNMP for alerts
	Support	Proactive support with automated phone home and case creation
Regulatory		UL/CSA/EN/IEC 60950-1, EMC Emissions Class A, FCC, IC, CE, VCCI, RCM, BSMI, EAC, KC, ROHS, REACH, WEEE

a. b. Effective capacity refers to usable space. It is calculated by removing data protection overhead from RAW capacity, and then a space savings multiplier is applied. Data protection overhead includes double parity RAID-6, hot spare and internal reserves for metadata. Space savings is derived from inline deduplication, compression and clone savings, but does not include thin provisioning. Data reduction typically provides 2.5-5x capacity savings; 5x was used for the value shown.

b. 1 TB = 1,000,000,000,000 bytes. 1 PB = 1,000,000,000,000,000 bytes=1000 TB.

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