



WHY TINTRI FOR SERVER VIRTUALIZATION?

“Issues that used to take days to troubleshoot now take minutes.

The best part is that we are able to monitor our mission-critical VMs in real-time directly from the VMstore GUI.”

Dustin Mommen, Systems Manager, Liongate Capital Management

Over the past twenty years, the world around storage has gone through revolutionary change—driven by virtualization and cloud. Despite this, conventional storage is built on the same underlying architecture as it was twenty years ago.

Tintri challenges convention with a storage system built specifically for virtualized and cloud environments.

The ‘storage quo’ forces you to work with physical-world concepts like LUNs, volumes, RAID, striping and more. Conversely, Tintri lets you focus only on what matters—individual virtual machines. That level of granularity massively simplifies storage management, transforming it from tedious troubleshooting to hands-free and highly automated. Here are three differentiators that make Tintri storage uniquely suited to support your virtualization effort:

Challenge #1: Storage MUST be managed by experts

CONVENTIONAL STORAGE

Retrofitted from physical use cases to virtualization, conventional storage relies on archaic concepts—LUNs, volumes, RAID, striping, etc.—that require deep expertise.

TINTRI

Tintri VMstore goes from box to rack to running VMs in minutes. There is no complicated configuration, and the unit of management is individual virtual machines. The simplicity frees storage admins to focus on higher impact activities (than troubleshooting), and/or allows the virtualization admin to manage their own storage footprint.

Datastore performance [view trends](#)

IOPS	Throughput	Latency	Flash hit ratio
20,716 IOPS 15,129 - 20,424	146 MBps 113 - 158	0.7 ms <div><div></div></div> 0.8 ms	100%

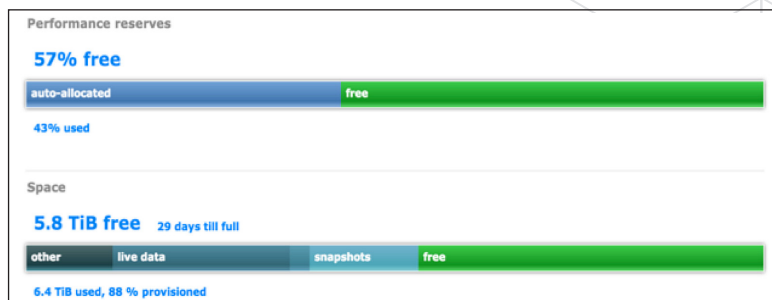
Challenge #2: Ensure performance by over-provisioning storage

CONVENTIONAL STORAGE

Since there is no visibility into performance reserves, admins must leave buffers or over-provision to try and ensure good performance.

TINTRI

Tintri's dashboard includes a performance gauge that shows you the VMstore's exact performance reserves. And it shows how performance consumption is trending for every individual VM. That transparency ensures you will never need to over-provision.



Challenge #3: Quality of service requires manual tweaking and tuning

CONVENTIONAL STORAGE

I/O requests are scheduled sequentially—First-In-First-Out. So, to maintain performance, admins constantly have to shuffle around LUNs and tweak policies.

TINTRI

Tintri assigns every individual VM its own 'lane' to guarantee quality of service. That means VMs can be managed simultaneously, not sequentially, avoiding traffic jams and delivering a better end user experience.



"Not a single storage solution could outperform Tintri on any aspect of our POC.

Tintri left all of the other storage vendors in the dust."

Steven Goodson, Network Support Manager, William Woods University

"Tintri has allowed me to get part of my day back with dramatically simplified storage management." The number of datastores in my environment went from 40 to 1, and I no longer have to keep moving VMs around to meet performance needs."

Andy Chambers, System Administrator, Makino

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