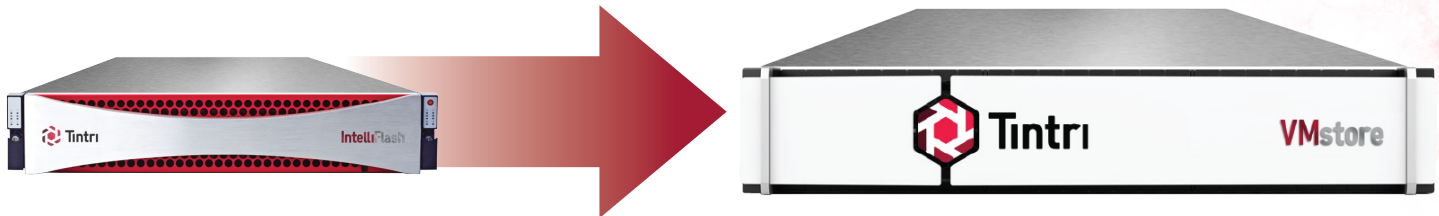


# The Smart Path to Intelligent Infrastructure: From Tintri IntelliFlash™ T4100/T4200 to Tintri VMstore™ EC6000

## VMstore IntelliFlash

Experience Different! Tintri offers a broad and highly-regarded range of Intelligent Infrastructure solutions to meet any enterprise storage requirement. Tintri delivers an exceptional user experience through automation, analytic insights, and a variety of time-saving features to simplify management for your most valuable workloads.



- The Tintri IntelliFlash product family includes hybrid systems that enable organizations to mix hard disk drives (HDDs) with flash memory within the same unit. This flexibility empowers businesses to select the optimal combination of SSD-based performance with HDD-driven economics.
- Also within Tintri's portfolio is the VMstore product family, comprising Intelligent Infrastructure that delivers powerful analytics, high performance, and extreme scalability. VMstore simultaneously simplifies management to improve the operational efficiency of virtualized mission-critical workloads – up to hundreds or more.

As workloads currently running on hybrid systems are increasingly virtualized, they become ideal candidates for Intelligent Infrastructure – such as the VMstore EC6000 Series that is specifically designed to support virtualized workloads and databases. Thus, applications currently running on IntelliFlash T4100/T4200 hybrid systems that have grown to support a greater number of users and VMs, and thus have become more vital to the success of the business, can be migrated to VMstore systems to leverage the most powerful Intelligent Infrastructure available for virtualized workloads. VMstore delivers VM-aware storage with advanced machine learning and automation that greatly reduce management effort and cost. You can even migrate workloads that are currently supported by IntelliFlash T-Series to VMstore EC6000 series with minimal disruption using standard virtualization vendor-specific tools.

Here are some reasons why your organization might consider upgrading from an IntelliFlash T4100/T4200 hybrid to the VMstore EC6000 Series:

- Your organization has embraced virtualized databases and/or applications
- An increasing number of your workloads are supported by virtual machines
- Time-consuming administrative tasks are an increasing burden and distraction to your staff
- You have a requirement for increased analytics, and faster troubleshooting and problem-resolution
- As a matter of policy your organization seeks to leverage the latest advancements in enterprise storage technologies
- Your organization needs greater application performance
- Your organization has rapidly growing data sets and a need for large scale-out systems

A technology refresh may also represent an opportunity to deploy a VMstore system in tandem with existing IntelliFlash systems, whereby VMstore becomes the primary storage system and IntelliFlash serves as secondary storage for cost-effective backup.

The following table (on next page) will help you determine whether you could benefit from the intelligent, enterprise-class capabilities of VMstore. If you happen to be an existing IntelliFlash T4100/T4200 customer, you can see which VMstore attributes will be most valuable as you continue to evolve your Intelligent Infrastructure.

Selection Criteria	IntelliFlash Hybrid System (T4100/4200 Series)	VMstore All-Flash System (EC6000 Series)
<b>Key enterprise storage challenges addressed by each product</b>	<ul style="list-style-type: none"> <li>• Poor storage cost-efficiency</li> <li>• A need to protect investments in existing storage technologies</li> <li>• A need to support a mix of block and file storage protocols</li> </ul>	<ul style="list-style-type: none"> <li>• Excessive amount of time and money spent on storage management</li> <li>• Poor visibility into different layers of the IT stack</li> <li>• Insufficient analytics to troubleshoot and improve service levels</li> <li>• A lack of IT resources to keep up with growing infrastructure resources</li> <li>• Sub-optimal application performance</li> </ul>
<b>Value differentiation</b>	<ul style="list-style-type: none"> <li>• Offers low cost/capacity (excellent price/performance)</li> <li>• Provides media flexibility (SSD, HDD)</li> <li>• Supports block protocols (iSCSI, FC)</li> <li>• Optimizes performance and economics</li> </ul>	<ul style="list-style-type: none"> <li>• Provides advanced automation, and real-time and predictive analytics for simplified administration</li> <li>• Accelerates productivity by spinning up thousands of VMs and clones in minutes</li> <li>• Extreme scalability to 64 systems, 480,000 VMs and 40PB+ capacity</li> <li>• Delivers high performance with certainty</li> </ul>
<b>Storage Tiers</b>	Tier 1 (for small environments)/Tier 2+	Tier 0/1
<b>Use cases</b>	<ul style="list-style-type: none"> <li>• Data protection (backup, disaster recovery) and/or file services</li> <li>• Note that an increasing number of hybrid workloads are virtualized</li> </ul>	<ul style="list-style-type: none"> <li>• Virtualized server and VDI</li> <li>• Mission-critical applications</li> <li>• Databases</li> <li>• Dev/Ops</li> </ul>
<b>Protocols</b>	File (NFS/SMB) or Block (iSCSI/FC)	File (NFS/SMB)
<b>Number of VMs deployed</b>	< 150	> 150
<b>Effective system capacity<sup>1</sup></b>	Up to 1.4 PB <sup>2</sup>	Up to 41.3 PB <sup>3</sup>

<sup>1</sup> Effective capacity calculations incorporate double parity data protection and metadata overhead, and include the benefits of data reduction technologies such as inline deduplication and compression. Data reduction typically provides 3–5x capacity savings.

<sup>2</sup> Reflects maximum effective capacity for an IntelliFlash T4200 hybrid configuration.

<sup>3</sup> Stated capacity assumes a homogeneous pool of 64 nodes equipped at maximum capacity.

At the core of the VMstore EC6000 Series is the unique VMstore file system that is built specifically for virtualized workloads. VMstore delivers an exceptional user experience through autonomous operation, real-time and predictive analytics, and enhanced productivity to drive your virtualized workloads and enable you to focus on your strategic business priorities. You can also automatically deliver the required quality of service for each VM – each application – and align performance and capacity with business needs.

Experience Different! To learn more about how Tintri VMstore can turbo-charge your business success through a simplified, Intelligent Infrastructure, visit [tintri.com/vmstore](http://tintri.com/vmstore). Or better yet, contact your Tintri representative or infrastructure partner and request a VMstore demo.

