Advantages of Running Veeam® Software on Tintri IntelliFlash™ Systems

IntelliFlash

Fast, simple site recovery and data protection solution for virtualized environments from Veeam and Tintri

Veeam Software and Tintri IntelliFlash

Veeam software and Tintri IntelliFlash storage solutions deliver an integrated, simple, yet powerful data protection solution for today's complex virtualized environments. Veeam software takes advantage of both the industry-leading real-time deduplication and compression technology built into IntelliFlash storage solutions. When combined, the result is a fast and compact backup solution, availability and multi-site recovery. This joint solution delivers dramatic reductions in the cost and complexity of protecting virtual server infrastructure, while meeting increasingly aggressive SLAs.

IT Needs and Challenges

Virtualization and data growth each pose storage challenges in the modern data center. In addition to the cost and complexity of deploying primary storage, IT organizations have to ensure proper data protection and maximize availability.

Virtualized environments require high performance from primary storage to meet the needs of demanding, business-critical applications. Data has to be protected and restored at a VM-level of granularity. Today's modern, 24x7 data centers mandate demanding Recovery Point Objectives (RPOs) and Recovery Time Objectives (RTOs). These data centers also require backups and restores to be performed in limited time windows in both a VM-consistent and an application-consistent manner.

In addition to protection and availability challenges, organizations are constantly tasked to overcome the obstacles in maintaining their target total cost of ownership (TCO). This task becomes increasingly difficult while driving toward consolidating data center operations to optimize benefits, because the expenses associated with managing workloads and purchasing hardware present core challenges in maintaining low costs. Addressing these core challenges enables organizations to overcome cost and complexity of issues, while continuing to consolidate operations and achieve more efficient results.

Business Challenges

- Backups take time and lots of costly storage space
- Complexity of backing up diverse virtualized environments
- High cost of storage and administration for data protection
- Tight backup and recovery SLAs

Benefits of Veeam and Tintri

- Perform Agentless application aware backups – Active Directory, Exchange, SharePoint, MS SQL Server, Oracle and other critical applications
- Minimize VMware backup API performance impact on production VMs during backup
- Achieve 2x the backup speed vs. standard VMware API backups
- Improve RTO and RPO times with technologies like Instant VM Recovery and Application Restore out of storage snapshots or backups
- Manage data across private, public, and multi-cloud environments
- Reduce required storage space by up to 5x
- Lower TCO with industry-leading hardware-based deduplication, compression, and data protection

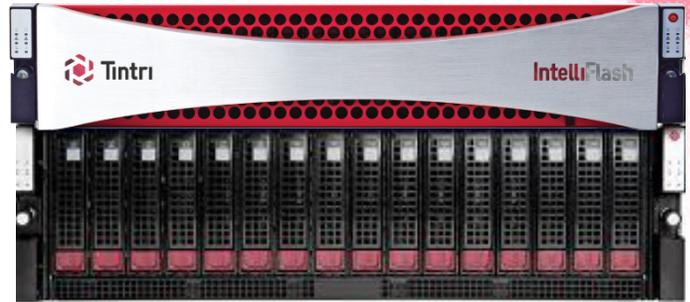## Joint Solution Improves Data Center Efficiency

This combined storage solution maximizes data center efficiency. Data reduction and deduplication technologies in both IntelliFlash systems and Veeam software combine to reduce the effective space required to store backup data. The fully redundant hardware and high availability features help maximize data availability. When combined, these features dramatically cut the overall cost of storage by enabling more data to be stored and quickly accessed, resulting in an efficient, small storage footprint.

VM-consistent and application-consistent snapshots enable efficient restore capabilities, enabling granular VM, application, and even item-level recovery directly within Veeam's patented vPower® technology.

Additionally, scripting with IntelliFlash RESTful APIs and Veeam commands facilitates automation of complex backup operations.

Analytics for IntelliFlash, an integrated no-cost feature, provides advanced and easy-to-use cloud-based storage system management with insights and analytics for all IntelliFlash storage systems. With Analytics for IntelliFlash, administrators can easily review through a single interface the system health, capacity utilization and other metrics down to the VM level across all IntelliFlash systems in your data center.

Together, Veeam and Tintri offer a reliable, easy-to-manage and "VM-aware" storage and data protection solution that is ideal for virtualized environments.

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Intelligent Infrastructure

About Veeam

Veeam enables the Always-On Business™ by providing solutions that deliver Availability for the Modern Data Center™, which provides recovery time and point objectives (RTPO) of less than 15 minutes for all applications and data. Veeam recognizes the challenges in keeping a business up and running at all times and addresses them with solutions that provide high-speed recovery, data loss avoidance, verified protection, leveraged data and complete visibility. Veeam Backup & Replication™ leverages technologies that enable the modern data center, including VMware vSphere® and Microsoft® Hyper-V, to help organizations meet RTPO, save time, mitigate risks, and dramatically reduce capital and operational costs. Veeam Availability Suite™ provides all of the benefits and features of Veeam Backup & Replication along with advanced monitoring, reporting and capacity planning for the backup infrastructure. Veeam Management Pack™ for System Center is the most comprehensive, intuitive and intelligent extension for app-to-metal management of Hyper-V and vSphere infrastructures, and includes monitoring and reporting for Veeam Backup & Replication. The Veeam Cloud Provider (VCP) program offers flexible monthly and perpetual licensing to meet the needs of hosting, managed service and cloud service providers. The VCP program currently includes more than 5,000 service provider partners worldwide.

Founded in 2006, Veeam currently has 25,000 ProPartners and more than 111,500 customers worldwide. Veeam's global headquarters are located in Baar, Switzerland, and the company has offices throughout the world.

To learn more, visit www.veeam.com

About Tintri

Based in Silicon Valley, Tintri by DDN is a wholly owned subsidiary of DataDirect Networks (DDN), the data-at-scale powerhouse and world's largest privately held storage company. Tintri solutions serve the needs of enterprise data centers with intelligent infrastructure. Our product portfolio includes advanced technologies from Tintri (acquired September 2018), Nexenta (acquired May 2019), and IntelliFlash (acquired from Western Digital November 2019). This portfolio offers a fresh choice and a new experience to elevate your user experiences through automation, analytic insight, and tight integration with application workflows for your enterprise applications, including mission-critical databases and business applications, virtualization, and flexible software defined solutions.

Experience Different! For more information on how Tintri IntelliFlash can turbo-charge your business success through a simple, Intelligent Infrastructure, visit tintri.com/intelliflash.

@tintri | **www.tintri.com** | **info@tintri.com**