Advantages of running Veeam software on Tegile Arrays

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

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

Veeam Software and Tegile Systems

Veeam® Software and Tegile Hybrid Arrays deliver an integrated, simple, yet powerful data protection solution for today's complex virtualized environments. Veeam Software takes advantage of both the industry-leading inline deduplication and the compression technology built into Tegile's Arrays. When combined, the result is a fast and compact backup, availability and site recovery solution. 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 demand 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, 24 X 7 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.

Benefits of Veeam and Tegile Systems

- Agentless backup solution

- Multi-hypervisor support

- Up to five times less storage space

- Hardware-based deduplication

- Hardware-based compression

- Network-efficient replication for disaster recovery

- Industry-leading data protection with a low TCO

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 http://www.veeam.com

About Tegile

Tegile® is pioneering a new generation of flash-driven enterprise storage arrays that balance performance, capacity and cost efficiency. The Tegile Hybrid and All-Flash arrays come bundled with a comprehensive set of data reduction, data protection and availability features at no additional cost. These features include in-line deduplication, compression, thin provisioning, thin snapshots and clones, end-to-end data integrity checks, dual active/active controllers, multipathing, and redundant hardware to eliminate the single point of failure. All arrays can be accessed using block and file protocols: FC, iSCSI, NFS and CIFS/SMB. The arrays are integrated with both VMware and Microsoft hypervisor technology to provide VM-consistent and application-consistent snapshots. The arrays also come with RESTful APIs which can be used together with applications and backup software for scripted and automated backups.

Additional information is available at www.tegile.com

Joint Solution

A combined storage solution built to maximize efficiency. Data reduction and deduplication technologies in both the flash-driven Tegile arrays 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.

A protection solution built for virtualization. VM-consistent and application-consistent snapshots enable efficient restore capabilities, allowing granular VM, application and even item-level recovery directly within Veeam's patented vPower® technology. Additionally, scripting using Tegile RESTful APIs and Veeam commands facilitates automation of complex backup operations.

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