Hewlett Packard Enterprise | VEEAM

Brochure

Improving data availability for mission-critical applications

3PAR StoreServ and Veeam Backup & Replication

Improving efficiency while removing cost, risk, and complexity from data protection.

Solution highlights

Virtualize with confidence
3PAR StoreServ is tightly integrated with Veeam Backup & Replication to provide a comprehensive data protection solution for virtualized environments that optimizes application availability and minimizes data loss.

Ensure greater application availability
Leverage storage snapshots for backup efficiency and reliability.

Get faster, better backups
Accomplish fast, efficient backups with no impact on virtual machine (VM) performance and more effective use of HPE storage resources; accelerate data recoverability and reduce risk.

Increase return on investment
Decrease management complexity, lower backup retention costs, and reduce downtime to enhance the value of virtualization investments.

Data availability and backup is a business issue, not an IT issue

Protecting organizational data is not a choice – it's a necessity that underpins business performance, reliability, and resiliency. In the Forester Report "**The Ongoing IT Struggle: Delivering Availability 24x7x365**," they talk about the increasing number of mission-critical and business-critical workloads and the demand for Always-On availability. The IT function has become ever-more critical to business success as the architects of a new era of business are tasked with delivering a New Style of IT. It is increasingly apparent to CIOs and storage managers that backup and recovery processes must evolve to harmonize with this new architecture. The transformation that is already happening in many IT departments today is increasing the pressure on traditional backup architectures with wide ranging implications.

Data growth continues to be a significant challenge, but others also add pressure to the backup process. As your infrastructure fills up with data, systems slow down, expenditures on hardware and resources increase, and the ability to keep pace with service-level agreements (SLAs) diminishes the ability to meet SLAs. Maintaining service levels in the event of failure is critical, whether using midrange, high-end, or All-Flash storage. Small enterprises to global services providers have to ensure Tier-1 storage availability.

The convergence of primary storage and backup software is helping companies address more stringent services levels. Backup software can now bridge the gap between primary and secondary storage, allowing the overall solution to work in concert together vs. the siloed solutions of the past to provide a more comprehensive data protection strategy with availability for mission-critical applications. Many IT departments today are increasing the pressure on traditional backup architectures because of lack of capabilities and IT's inability to meet company demands.

When modernizing data centers, high-speed recovery (59%) and data loss avoidance (57%) are the two most sought-after capabilities; however, cost and lack of skills is inhibiting deployment, according to CIOs.

– Forester Report, "The Ongoing IT Struggle: Delivering Availability 24x7x365"

How to gain Always-On availability

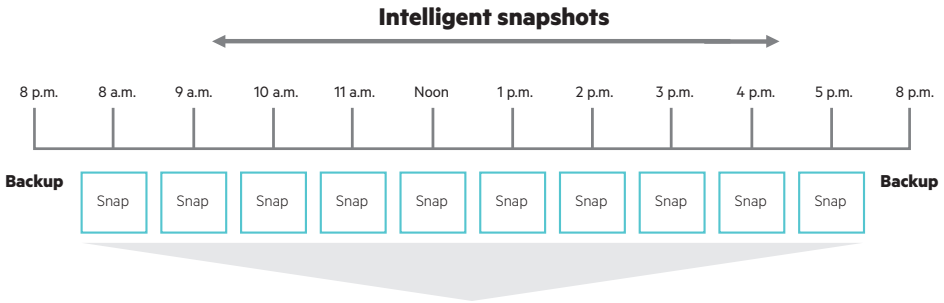
The introduction of virtualization and cloud/IT-as-a-Service (ITaaS) into your data center requires you to deliver predictable IT service levels in an unpredictable world. At the same time, loss of data access means loss of productivity, impacting company business. Data availability starts with primary storage, so having modern Tier-1 storage architecture designed for today's mission-critical applications will improve high availability and Tier-1 resiliency with optimization. Further, utilization of storage snapshots for recovery and backup ensures application availability and better recovery point objectives (RPOs), which improve SLAs.

By leveraging primary storage and data availability software, you

- Reduce management complexity
- Improve backup performance
- Expand and simplify recovery capabilities
- Reduce cost

With the integration between 3PAR StoreServ and Veeam Backup & Replication you are able to reduce cost typically associated with downtime, while also minimizing the amount of data loss. With companies identifying a growing number of applications as 'mission critical,' requiring Always-On availability is needed to ensure business continuity.

Together HPE 3PAR StoreServ and Veeam Backup & Replication create a powerful combination that defies the limitations typically associated with traditional data protection approaches. By leveraging primary storage and data availability software, convergence between primary storage and data availability software, you reduce management complexity, improve backup performance, expand and simplify recovery capabilities, and reduce costs.



HPE and Veeam solution benefits

1. Near continuous data protection = better SLAs
2. More frequent recovery points = less data loss
3. Better recovery times = less down time
4. Item-level recovery = minimal effort and more time for other issues

Faster recoveries with minimal data loss

Most organizations perform backups daily, so if an outage occurs late in a business day, the most recent restore point is many hours old. This traditional approach significantly increases the potential for data loss, a situation that is much less acceptable in today's enterprises. With an Always-On availability approach you will leverage storage snapshots taken frequently, between nightly backups, to decrease data loss and improve recovery times for VMs, files, and applications.

Enabling non-disruptive backups

The integration of HPE 3PAR StoreServ and Veeam software allows you to create application -consistent VM snapshots by offloading the operation to storage reducing the impact to VM's improving application availability. The result is a greater number of frequent recovery points for instant recovery of VMs, applications, and individual items to significantly improve RPOs—all without any impact to the production environment. The integration also allows non-disruptive backup of VMs to external, disk-based systems via snapshots, shortening backup run times.

Efficient, fast, and simple backup and recovery

Together, HPE and Veeam allow you to recover at Always-On speeds with a solution that is:

Efficient

- Achieve RPOs without impacting VM or application availability
- Increase IT resource efficiency and capabilities
- Easily scale your data protection solution to meet business need

Fast

- Reduce recovery time from hours to minutes
- Instantly recover VMs, files, and application items from HPE Storage Snapshots
- 20X faster backups from storage snapshots using Changed Block Tracking

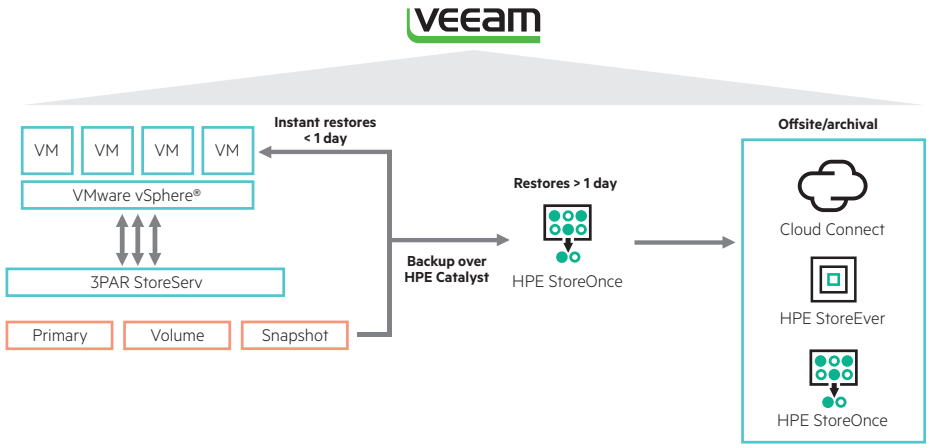
Simple

- Browse, click, and restore files with Veeam Explorer for Storage Snapshots
- Protect and restore your entire virtual infrastructure with a single pane-of-glass management interface
- Easy to configure – no additional modules or agents required

Faster backups and better storage utilization

Veeam and StoreOnce is also seamlessly integrated to help drive further improvements with backup performance and application availability. HPE StoreOnce Systems with HPE StoreOnce Catalyst is the only federated deduplication solution providing disk-based backup for IT environments, from the smallest remote sites to the largest enterprises. It helps customers reduce the risk of data loss, reduce the cost of data protection, in particular management overhead and increase their agility to move backup data around their organization in deduplicated form providing disaster recovery and reducing network bandwidth expense.

You can reduce the amount of space needed to store backup data by 95 percent and choose between powerful dedicated appliances for larger offices and data centers, and flexible virtual appliances for small and remote offices. HPE StoreOnce industry-leading backup and restore speeds means that you can meet shrinking backup windows and recovery SLAs.



Learn more at:

hpe.com/us/en/storage/3par.html

hpe.com/storage/storeonce

4AA5-7690ENW, March 2016, Rev. 1

Hewlett Packard Enterprise | VEEAM