

HPE Nimble Storage Secondary Flash Array with Veeam

Put your backup data to work with HPE Nimble Storage and Veeam Software

Solution overview

HPE Nimble Storage Solution for Secondary Flash with Veeam Software creates a powerful, efficient, and simplified secondary storage solution. Top benefits include the following:

- Eliminate restore and recovery windows
- Put your backup data to work
- Simplify storage management

Why Veeam

Veeam Software has pioneered a new approach in delivering Availability for the Always-On Enterprise. Their data protection software helps organizations meet strict recovery time and point objectives (RTP0) for all applications and data, through a fundamentally new kind of solution that delivers high-speed recovery, data loss avoidance, verified recoverability, leveraged data, and complete visibility.

HPE Nimble Storage Secondary Flash Array represents a new type of secondary data storage optimized for both capacity and performance. It adds high-performance flash storage to a capacity-optimized architecture for a unique backup platform that lets you put your backup data to work.

HPE Nimble Storage Secondary Flash Array

is optimized for backup, disaster recovery, and secondary data storage. By using flash, it lets you put your backup data to work for Dev/Test, QA, and analytics. Instantly backup and recover data from any primary storage system. And our integration with Veeam backup software simplifies data lifecycle management and provides a path to cloud archiving.

Integrated with Veeam for leading functionality, management simplicity

HPE Nimble Storage Solution for Secondary Flash with Veeam Software simplifies data management through deep integration, and it enables many powerful capabilities beyond that of the array itself. The tight integration between the HPE Nimble Storage Secondary Flash Array and Veeam Backup & Replication software lets backup administrators access array capabilities without using a separate interface. They can focus on using the software they know without having to become experts on the storage hardware. Key array-based features that are managed through the Veeam interface include

snapshots and replication (Veeam Explorer), as well as instant cloning for Dev/Test with Virtual Lab (On-Demand Sandbox).

Flash-enabled data protection solution with HPE Nimble Storage and Veeam Software

The combination of HPE Nimble Storage flash hardware and Veeam Software enables both near-instant backups as well as near-instant data recovery directly from the snapshot, and down to the granularity of a virtual machine (VM). In addition, the secondary flash system has the performance to allow the fast and frequent verification of backups (SureBackup), which on typical backup systems often takes too long to run regularly. Flash lets you quickly protect and verify your data providing peace of mind.

Put your backup data to work

Run real workloads with flash performance, such as Dev/Test, QA, patch testing, reporting, and analytics. Zero-copy clones let you reuse backup data and instantly spin up hundreds of application copies. HPE Nimble Storage Secondary Flash Array lets you quickly and easily get to your data: reads are over 100X faster than traditional hard-drive-based backup appliances.¹ Restores can be near-instantaneous or you can just run your application directly from the array for performance similar to primary storage.

¹ **Your SSDs Need a Workout from Time to Time— Like Any Other Drive.** StudioDaily, September 2017

Solution brief

About iland

iland is an award-winning enterprise cloud infrastructure provider with data centers located across North America, Europe, and Asia. They were an early adopter of HPE Nimble Storage Solution for the Secondary Flash with Veeam and provided guidance on ensuring it would stand up to the most demanding, global-scale, enterprise-class environments. iland uses the solution as a platform for their hosted data protection services.

“iland is committed to the highest levels of availability and performance in our hosted services such as disaster recovery, and with the HPE Nimble Storage Solution for Secondary Flash with Veeam, we are delivering the recovery objectives, customer satisfaction, and economic value our customers have come to expect.”

– Justin Giardina, CTO, iland

² Based on actual customer environments (actual SFA customer engagements) analyzed and engineering data, 2017

³ hpe.com/storage/infosight

VEEAM

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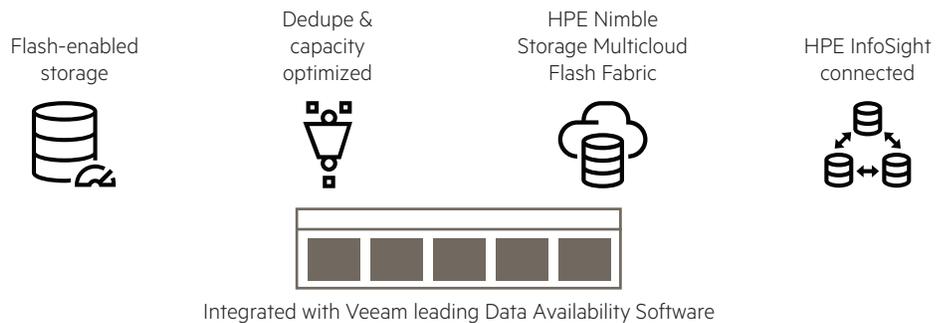


Figure 1. A complete solution for data protection

A fast and affordable secondary storage solution

The flash-enabled secondary storage architecture delivers fast backup and restore and doesn't compromise on storage efficiency. With secondary flash, you can quickly access files, VMs, applications, or entire systems, or rapidly copy them back to primary. Alternatively, don't wait to restore: run production workloads at full speed on HPE Nimble Storage Secondary Flash Array and restore in parallel.

HPE Nimble Storage Secondary Flash Array is capacity-optimized to reduce your cost per gigabyte—delivered in part through flash-enabled inline data reduction that deduplicates and compresses data with typical 3X to 18X savings, based on a backup data retention policy, with no performance impact.²

Manage within HPE Nimble Storage Multicloud Flash Fabric

For HPE Nimble Storage environments, execute thousands of instant, zero-impact snapshots on primary storage and natively replicate to HPE Nimble Storage Secondary Flash Array.

The Secondary Flash Array: also a Predictive Flash platform

HPE Nimble Storage Secondary Flash Array is built on the same innovative data management platform as the HPE Nimble Storage AF- and

CS-Series arrays. With this comes the extensive instrumentation and cloud-based intelligence of HPE InfoSight. With HPE InfoSight predictive analytics, HPE Nimble Storage Secondary Flash Array, along with your entire HPE Nimble Storage Multicloud Flash Fabric, is automatically monitored. On-demand status and performance insights are available at a click of a button along with trend analysis to help plan for future infrastructure needs. HPE InfoSight predicts and prevents 9 out of 10 problems, and has visibility across the application-to-storage stack achieving 99.9999% uptime across the customer base.³

Get started

HPE Nimble Storage Solution for Secondary Flash with Veeam Software is an integrated offering combining flash-enabled storage hardware and leading data protection software that stores and protects secondary data. The flash-powered solution eliminates restore and recovery windows and lets you put your backup data to work. Also, the deep integration and ability to converge multiple storage uses onto a single device simplifies and lowers the cost of storage management.

Learn more at hpe.com/storage/nimble

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