

# Veeam Software and Nimble Storage

## Flash-optimized hybrid storage with powerful, easy-to-use and affordable data protection

### Business challenges

- Long backup windows impacting business processes
- Managing backups in a mixed environment
- No granular recovery options
- Limited array capacity preventing more frequent RPO's
- Cost-prohibitive disaster recovery solutions

### Benefits of Veeam and Nimble Storage solution

- Flash-optimized hybrid storage performance
- Fast backup and recovery
- Capacity efficiency with backup compression and deduplication
- WAN-efficient replication for off-site DR
- Reduce cost and protect virtualization investments

Flash memory is revolutionizing data storage, bringing an unprecedented level of performance that legacy storage systems simply can't match. It serves as an excellent complement to the large capacities of hard disk drives. Nimble's CS-Series arrays seamlessly integrate flash memory with high-capacity disk drives. Combining Nimble CS-Series arrays with Veeam® Backup & Replication™ provides a complete storage solution and a comprehensive, easy-to-manage backup and recovery solution for any virtual environment.

### Business needs and challenges

Demands for better storage performance, scalability, improved data protection and simplicity are growing in today's datacenters. The rapid adoption of virtualization and server consolidation has further compounded the need for efficient network storage that can keep up with these unpredictable workload demands.

In virtualized environments, traditional solutions for storage, backup and recovery are unable to scale to meet the ever-increasing protection demands. Disaster recovery, though critical, can be too expensive and complex. Businesses need to drive down both Recovery Point Objective (RPO) and Recovery Time Objective (RTO) times in order to support an efficient, dynamic and agile infrastructure.

### Technical challenges

Virtualizing and consolidating applications such as Microsoft Exchange, business-critical databases and Microsoft SQL Server increase the need for higher storage performance. At the same time, managing backups in a mixed environment with both virtualized and bare-metal servers can be complex, time consuming and costly. Long backup windows can impact the availability of business-critical applications and services. And in some extreme cases, backups are not taken frequently enough or not at all, leaving important business data unprotected. Customers that have successfully implemented backup schemes into their environments may also face challenges around granular recovery, capacity optimization or cost-effective disaster recovery planning.

## Supported customer environments

- VMware vSphere 4.x-5.1
- Windows Server 2012 with Hyper-V (and 2008 R2)
- Hyper-V Server 2012 (and 2008 R2)
- Business-critical applications: email servers, databases, application servers
- Gigabit and 10Gb Ethernet networks

*"Nimble Storage and Veeam make up a great pair for our virtualized environment. Nimble's efficient storage and high performance compliments Veeam's efficient protection and granular recovery for our virtualized environment."*

**Robert Dixon**  
Director of Information Technology  
University of Colorado Boulder

## Accelerate and protect business-critical applications

### Microsoft Exchange

- Microsoft ESRP v3 validated for up to 40,000 mailboxes in 3U
- Eliminate need for tuning with pre-set performance templates
- Fast item-level recovery from Exchange VM backups

### Virtual Desktop Infrastructure (VDI)

- Dense virtual desktop deployments for VMware View and Citrix XenDesktop
- Adaptive storage performance to tackle boot & login storms
- Quick recovery of an entire VM, desktop, file or application item

## Veeam Backup & Replication

Veeam Backup & Replication is built specifically for virtual environments to provide fast backup and recovery for virtual machines. With a single license, from a unified console, you can support your entire virtual infrastructure with industry-leading features such as instant file level recovery and streamlined VM recovery, scalability, built-in deduplication, centralized management and much more. Whether you are using VMware or Hyper-V—we've got you covered!

## Nimble CS-Series arrays

As the industry's first flash-optimized storage designed from the ground up, Nimble effectively combines the performance of flash memory with the capacity of HDDs. This results in high-performance and efficient storage that can handle the dynamically changing needs of multiple different workloads. Nimble includes integrated data management functionality required by today's demanding applications. These characteristics make Nimble CS-Series arrays an ideal storage option for mainstream applications in environments ranging from midsize deployments with hundreds of users to large enterprises with thousands of IT users.



## Joint solution

Nimble CS-Series arrays and Veeam Backup & Replication complement each other as an ideal solution by combining high-performance storage with integrated data protection for all types of customer environments.

Retain months' worth of snapshots on a single Nimble array and perform restores in seconds. Use Veeam to archive backups for longer retention periods, while retaining flexible and granular recovery options. Veeam's image-based backups allow for quick recovery of an entire VM, file or application item. Customers can also choose to replicate VMs over the WAN for disaster recovery protection.

With Veeam and Nimble Storage, customers can ultimately reduce costs and protect their virtualization investments while simplifying their backup process and environment.

To learn more, visit [www.nimblestorage.com](http://www.nimblestorage.com) and [www.veeam.com](http://www.veeam.com)