

# Nimble Storage for Federal Government

**Nimble Storage flash-accelerated hybrid solutions provide cost-efficient performance, simplified data protection, seamless scalability, and ease of management for federal datacenters.**

## Meeting the Demands of Virtualization in Modern Federal IT Initiatives

New technology is transforming IT, dramatically increasing the efficiency and effectiveness of today's datacenters. Nimble Storage flash-accelerated solutions have been designed to satisfy the unique performance demands of virtualization and to deliver cost-efficient performance, simplified data protection, seamless scalability, and ease of management.

### Cost-Effective Performance

Nimble Storage arrays deliver adaptive performance for all mainstream business applications and environments, including Microsoft Exchange, SharePoint, and SQL Server, as well as Oracle databases, virtual desktop infrastructure (VDI), and server virtualization. At the core of every Nimble Storage solution, is its patented Cache Accelerated Sequential Layout (CASL™) architecture. CASL was designed from the ground up to leverage the random read performance of flash, and incorporates innovative efficiency features such as inline variable-block compression.

### Data Protection

Nimble Storage offers maximum availability to business-critical applications with frequent snapshots and consistent backups, fast restores, and efficient replication for disaster recovery. Nimble delivers simplified and affordable data recovery, efficiently protecting months of data in the storage systems, easing the burden on the server and network. Nimble efficiently replicates data to another array by transferring compressed, block-level changes only. These remote copies can be activated even when the primary array is unavailable, making data recovery both easy and affordable.

Nimble Storage's key data protection advantages:

- Built-in high availability minimizing downtime during failures
- Active/standby controller architecture for non-disruptive storage upgrades near zero impact during controller failures
- Robust protection against data loss with fast multi-parity RAID, and overall data reliability and integrity
- Built-in fault tolerance across the platform, leveraging redundant components with no single point of failure

### Scalability

Matching storage infrastructure to application requirements is a challenge for most IT organizations. Data growth is accelerating while new applications are launched to support the enterprise's needs. Nimble Storage eliminates storage silos so that performance and capacity can be scaled independently, saving money and minimizing disruption.

### Ease of Management

Nimble Storage arrays are easy to deploy and manage. Unlike traditional hard disk storage that often requires days to deploy, Nimble arrays can be setup in a fraction of the time by an IT generalist without prior training.

InfoSight™ is Nimble Storage's innovative approach to storage management using cloud-based analytics to deliver true operational efficiency across all storage activities. InfoSight monitors all Nimble Storage arrays, collectively and individually, from the cloud,

## Overview

Nimble Storage delivers a powerful and cost-effective storage solution for your Federal datacenter. Nimble Storage systems provide:

### Adaptive Performance

Get optimal storage performance for all mainstream business applications and environments, including Microsoft Exchange, SharePoint, and SQL Server, as well as Oracle databases, virtual desktop infrastructure (VDI), and server virtualization.

### Enhanced Protection and Availability

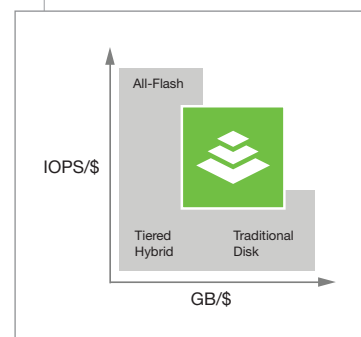
Enable frequent and fast backup, simple recovery, and affordable disaster recovery to meet the needs of storage teams and application users.

### Improved Efficiency and Scalability

Spend less time and budget on your storage, scaling performance and capacity as your application and virtualization needs grow.

### Simplified Management

Speed up deployment and simplify management with InfoSight. InfoSight is Nimble Storage's innovative approach to storage management using cloud-based analytics to deliver true operational efficiency across all storage activities.



Nimble Storage delivers the best of both price/performance and cost-effective capacity.

automatically gathering millions of data points per array each day and making sense of them in real-time. Using that data InfoSight identifies potential problems — and offers solutions in real-time, long before they can bring systems down.

## Accelerate Virtualization With Nimble Storage

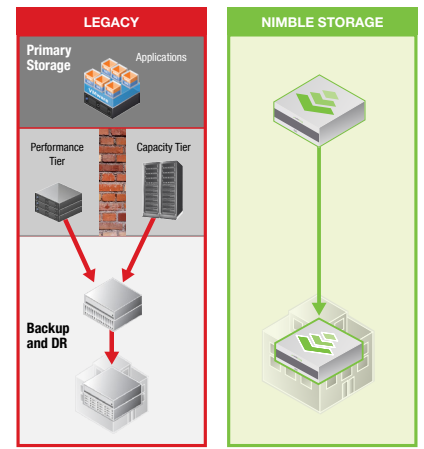
Nimble Storage's seamless integration with modern applications including VMware's vSphere, Microsoft's Hyper-V, and Linux virtualization allows federal datacenters to quickly and effectively virtualize critical applications.

With Nimble Storage, Federal IT organizations can achieve:

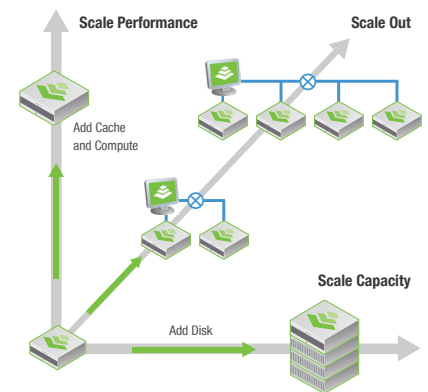
- **Greater Consolidation:** High-capacity disks and inline compression accommodate more data in a 3U appliance. IT organizations can realize as much as a 75 percent reduction in their data footprint and a 50 percent reduction in the physical foot print compared to traditional solutions.
- **High Performance:** Adaptive performance for rich desktop and server virtualization functionality for a positive user experience even at times of heavy-application use and/or during boot/login storms, patch operations and upgrades.
- **Simplified Operation:** VMware vSphere API integration and the vCenter plug-in for streamlined and effective deployments, monitoring, and management.
- **Enhanced Data Protection:** Deep integration with VMware vCenter and Microsoft VSS. Application data and/or virtual machines can be restored without complex recovery procedures. Efficiently sends data to a remote location for disaster recovery. Integrated with VMware's Site Recovery Manager for complete workflow automation.
- **Fast Deployment:** SmartStack™ is a pre-validated reference architecture leveraging Nimble Storage's flash-accelerated storage arrays and best-of-breed partner solutions from industry leaders like VMware, Citrix, and Microsoft. SmartStack solutions allow organizations to confidently deploy the best solution stack for server virtualization and desktop virtualization (VDI).

## The Bottom Line

Virtualization is central to most new federal IT projects. Nimble Storage's flash-accelerated storage solutions have been built to meet the unique performance of virtualized environments. In addition, they offer superior efficiency, management capabilities, application availability, and data protection compared to traditional hard disk-only storage. And unlike traditional storage systems that often take days to deploy, Nimble solutions can be quickly set up by an IT generalist without the need for prior training. For more information, visit [www.nimblestorage.com/solutions/government/federal](http://www.nimblestorage.com/solutions/government/federal) or contact Pilar Fiore, Federal Channel Manager, at [pfiore@nimblestorage.com](mailto:pfiore@nimblestorage.com) for reseller information.



Nimble Storage simplifies IT infrastructure by eliminating the need for separate storage solutions for backup/restore and disaster recovery.



Scale performance and capacity independently with Nimble's unique scale-to-fit architecture.



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