



DATA SHEET

ZeroStack & Nimble Storage

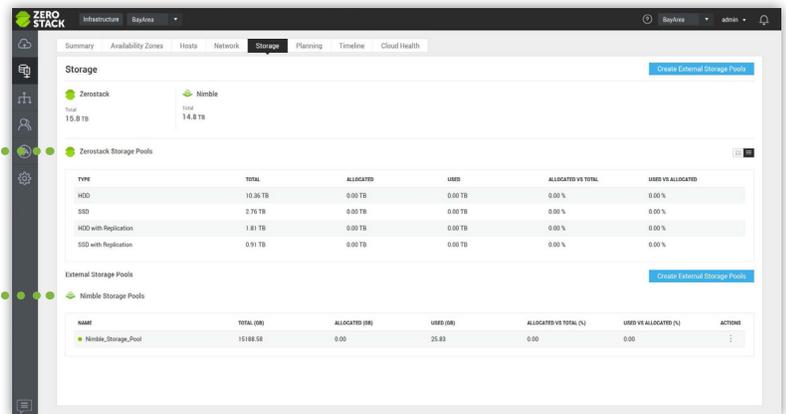
Production-ready Private Cloud with Predictable Performance & Simplified Operations

INTRODUCTION

ZeroStack has teamed up with Nimble Storage (NYSE:NMBL) to create a fully integrated private cloud solution that radically simplifies operations and delivers predictable performance. With ZeroStack's Intelligent Cloud Platform and Nimble's Predictive Flash Storage Platform, enterprises get a pre-tested, integrated, and fully-supported private cloud solution delivering the following joint value proposition:

Cloud users can leverage Nimble's storage capabilities simplify by creating VMs with the appropriate Nimble pool type and performance policies.

Nimble Storage Administrators can continue to use the InfoSight management portal while leveraging the ZeroStack console to configure storage pools for cloud users.



Rapid deployment accelerates time to value Customers can use their existing Nimble Storage to integrate with ZeroStack's Intelligent Cloud Platform and they can immediately get the fastest and the most reliable access to the data

- Integrated Features**
- The pre-integration and testing means that cloud users have access to enterprise features to confidently deploy workloads into production
 - Quality of Service** feature provides customers to set a maximum I/O per second or maximum MB per second limit to prevent a particular volume or group from using a disproportionate share of resources. It is possible to set I/O limits, MB limits, or both, at the volume or folder level, or at both the volume and folder levels. If an application requests more throughput than the maximum allowed, it will be limited to the values set
 - SmartSecure encryption** provides cloud workloads and VM's with FIPS-certified software-based encryption, secure data shredding, end-to-end security for data at rest and on-the-wire when replicated offsite
 - Dramatic **data center footprint reduction** as both ZeroStack and Nimble use converged infrastructure which allows dense compute, ash, and disk media to be used without compromise
 - Snapshots, clones and restores** can be performed directly from the ZeroStack platform leveraging the instantaneous snapshots/clone capabilities of the underlying Nimble storage
 - Replication across sites enables** volumes to be created on one Nimble platform through ZeroStack and then replicated on a second, remote Nimble device. When the remote Nimble device is added as external storage to remote ZeroStack devices, those volumes can be accessed as well
 - ZeroStack integrates with Nimble's performance policy where customers can set predefined policies for databases like SQL server, which can be deployed from ZeroStack zAppStore portal
 - Multi-Path IO integration provides customers with **highly fault-tolerant and high performance access** to their data

Migration Applications and data from VMWare or AWS can be migrated to the ZeroStack+Nimble environments with built-in automated migration capability

Leverage Existing Assets Enterprises can now leverage their existing investments in Nimble Storage and standard servers to build a highly resilient and high performing cloud for running packaged enterprise applications, application development and hosting



Use Cases

The joint solution is best suited for the following:

Cloud for enterprise workloads, packaged applications, databases

Self-service application development environment for Engineering teams

Remote-office, branch office set up with centralized management

Benefits of Converged Infrastructure for Private Cloud

Accelerate Time to Value	<ul style="list-style-type: none"> • Less than 30 minutes to installation • 100% Self-service SaaS-based user portal with integrated service catalog for ongoing application provisioning and deployment
Reduce CapEx	<ul style="list-style-type: none"> • Lower cost and complexity compared to VMware-based deployments • Lower cost, higher performance and control compared to public cloud (e.g. AWS) • Run on commodity x86 servers and Nimble Storage
Reduce OpEx	<ul style="list-style-type: none"> • Zero ongoing infrastructure administration and management using innovations in machine learning and Artificial Intelligence. Nimble’s InfoSight, a cloud-based, machine learning tool, provides internal insights into the performance of the hardware stack, the VM layer for storage health and performance. InfoSight, together with ZeroStack’s Z-Brain brings end-to-end performance analytics platform, eliminates the visibility gaps between applications and hardware, providing both bottom-up and top-down visibility, transforming silos of data into actionable intelligence and reducing management and operational costs • Eliminate silos and satisfy different application requirements with pre-configured rack-converged platform
Eliminate risk	<ul style="list-style-type: none"> • Carefully pre-designed, pre-tested, supported solution versus solutions cobbled together on the fly • Real-time proactive monitoring and troubleshooting with AI-machine learning and Big Data analytics built into ZeroStack’s Z-Brain and Nimble Infosight • Zero vendor lock-in with future proof, open standards based cloud solution • Scale-as-you-grow eliminates financial risk



About Nimble Storage

Nimble Storage (NYSE: NMBL) provides predictive flash storage solutions for all enterprise storage needs. Its predictive flash platform gives users the fastest, most reliable access to data while radically simplifying their operations.



About ZeroStack

ZeroStack Intelligent Cloud Platform is a fully integrated cloud solution that delivers the simplicity and agility of a public cloud along with the performance and control of a private cloud at a fraction of the cost.