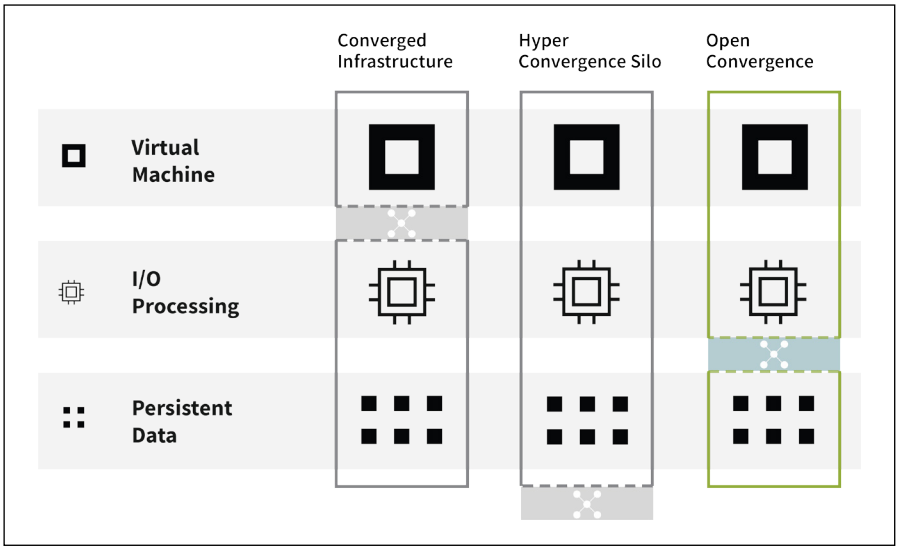
DATRIUM DVX SYSTEM FOR RACKSCALE OPEN CONVERGENCE

Infrastructure for Private Clouds

Complexity is the top problem plaguing data centers and the move to private and hybrid clouds. With the cost and rigidity of traditional storage arrays, the market is looking to SDS and hyper-converged infrastructure (HCI) on standard x86 platforms. However, these technologies also have compromises, including a forklift overhaul of the server infrastructure, server maintenance complexities, network bottlenecks and high cost to scale. Thankfully there is a new wave of convergence, Open Converged Infrastructure, which offers vastly simpler performance, scalability and protection for virtualization and private clouds, enterprise applications, Dev/Ops, analytics and virtual desktop environments.

Turnkey Private Cloud Solution for the VMware Software Stack

Datrium DVX combines compute nodes, flash-based servers for high performance, with data nodes, low cost, erasure-coded object stores for durable primary data and copy data management. This separation of node types, unachievable with hyperconverged architectures, enables simple and efficient Google- or Facebook-style infrastructure for private cloud data centers.



Customers eliminate lock-in and reduce costs by bringing their own servers to converged infrastructure deployments. Because mixed workloads are supported within a single petabyte-scale system with high and predictable performance, management is simplified and capacity efficiency is maximized. Servers remain stateless for ultimate serviceability and higher availability. Low latency performance is assured for tier 1 applications at scale. Finally, Datrium DVX allows both primary and copy data to be maintained on cost-optimized storage without affecting primary workload performance.

"We replaced a rack full of array gear in our colocation facility with Datrium's 2U appliance. The footprint savings alone in our colocation facility paid for the DVX."

MICHAEL BROWN
DIRECTOR OF TECHNOLOGIES
NATIONAL PHYSICIAN SERVICES

VMWARE vSPHERE®

vSphere helps you get the best performance, availability, and efficiency from your infrastructure and applications.

DATRIUM DVX

The Datrium DVX system converges storage and compute in a radical new way to enable a simpler journey to hybrid clouds. DVX integrates CPU and flash performance on ESXi hosts with VM-centric, high-efficiency, scalable cloud data management tools to enable VM administrators to effortlessly accelerate, backup, copy and recover VMs across their data lifecycle.

DATRIUM

Datrium is the leading provider of Open Converged Infrastructure for private clouds, providing a turnkey solution with universal protection, data privacy and lifecycle control across multiple clouds for resiliency, mobility, performance, and security.

VIRTUAL DESKTOP INFRASTRUCTURE

With all desktops sitting in cache, boot and login storms are no problem, apps load and run super-fast and your end users work happy.

PRIVATE CLOUD CONSOLIDATION

Your mixed use private cloud is always fast and always efficient, powered by a level of automation achievable with Open Convergence.

HIGH PERFORMANCE SQL AND DATA WAREHOUSING

With your entire database running in host cache, you get 50-80% lower latency transactions than flash array-based solutions.

SEE DATRIUM SOLUTIONS IN THE VMWARE SOLUTION EXCHANGE

https://solutionexchange.vmware.com/vsx/solutions/datrium-dvx-2-0

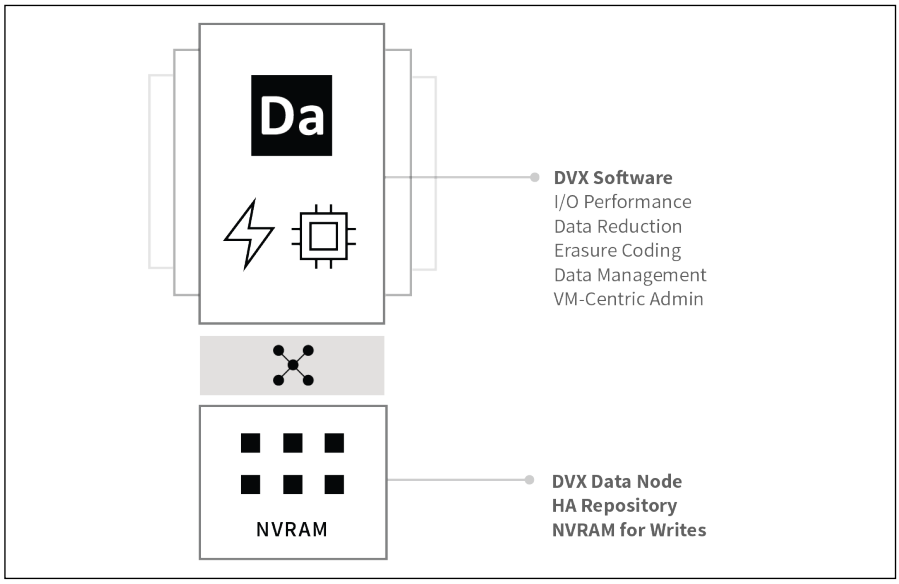
vmware READY APPLICATION SOFTWARE

How is Datrium DVX with VMware vSphere Different?

- DVX Rackscale flash performance is up to 5x faster than all flash arrays at less than half the cost per terabyte.
- Datrium eliminates storage management entirely, reducing VM provisioning time by 50% to 75%.
- While Datrium DVX leverages flash based compute nodes for primary workload performance, the DVX Data Node has all the cost optimization features of secondary storage built right in. No other platform provides as robust a combination to support VMs through their lifecycle.
- Datrium Blanket Encryption supports end-to-end data security (host, network and storage) with full data reduction. No other converged platform on the market offers this combination of security and efficiency.

How it Works

DVX separates on-host, software-driven IO services and performance from an off-host durable data repository, so speed and persistent capacity can each be provisioned incrementally. While it takes advantage of host CPU and local flash performance, compute node availability is independent of data availability. DVX is simple and cost-effective, combining the use of underutilized server capacity with always-on, end-to-end dedupe, compression, data management and encryption.



Learn More

Visit www.datrium.com or Download the Datrium DVX Datasheet.

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