

NVMe/TCP Block Storage

for Private Cloud

What's Wrong

As private cloud environments scale, storage and networking can become a bottleneck: performance inconsistency, added complexity and expensive proprietary networking, overprovisioning and hardware inefficiency. Teams supporting high-performance workloads need solutions that deliver consistent low-latency and high throughput, better economic value, and data services that simplify storage management.

The Solution



JetStor Platform

High-density, NVMe-optimized server nodes alongside fully validated reference configurations, purpose-built for massive scale-out deployments.



Lightbits Software-Defined Storage

Clustered block storage providing highly available persistent volumes, up to 75M IOPs, and consistent sub-millisecond latency over standard TCP/IP.

How it Works



Deploy

Install Lightbits on JetStor NVMe-optimized nodes.



Connect

Link compute nodes over standard TCP/IP Ethernet.



Provision

Volumes via Kubernetes CSI or OpenStack Cinder.



Scale

Add JetStor storage nodes online as demand grows.

Why It Works

Simple, Standard, Scalable. NVMe/TCP enables an efficient data path over Ethernet, accelerating compute while reducing overhead. A scale-out design keeps performance consistent as you grow—without forcing proprietary storage, networking or disruptive re-architecture.

Where It Fits

- 1 Kubernetes, OpenShift & OpenStack:** Support hundreds of clusters with peak and persistent storage for private and on-premises clouds.
- 2 Financial Services:** Power latency-sensitive real-time analytics, transactional and high-concurrency workloads with stable and consistent speed at scale.
- 3 High-Performance Databases:** Unleash the full potential of your MySQL, PostgreSQL, MongoDB, and Cassandra with micro latency.

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