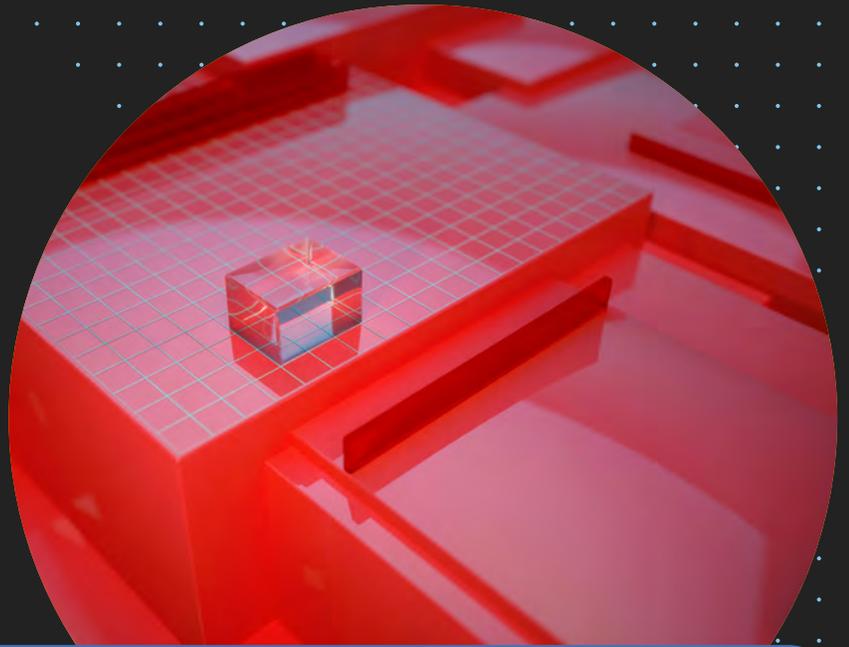


Solution Profile

Stop Managing Infrastructure and Start Orchestrating Intelligence

An autonomous enterprise AI infrastructure that optimizes itself—freeing IT to drive innovation



Eliminate Management Overhead

Reduce infrastructure management time by up to 40% with unified control across storage and the network through AI-powered autonomous optimization.

Accelerate Time-to-Insight

Deploy and scale enterprise AI workloads with integrated intelligence that automatically adapts to changing application demands, cutting deployment cycles in half.

Eliminate Vendor Complexity

Replace fragmented, multi-vendor tools with a single, integrated platform that automatically correlates analytics across storage and your SAN.

Enterprise AI demands are overwhelming IT teams with complexity, stifling innovation.

Organizations pursuing enterprise AI initiatives face a real challenge: their infrastructure management complexity is growing faster than IT teams can scale. Managing separate storage and SAN vendors creates performance bottlenecks that hinder AI innovation and time-to-value.

IT teams spend hours manually correlating performance issues across vendor silos, troubleshooting problems spanning storage and network boundaries, and continually tuning configurations for evolving AI workloads.

The challenge intensifies as AI workloads scale:

- Multi-petabyte datasets demand microsecond response times
- Distributed training datasets require massive east-west data movement
- Real-time inference engines need sub-millisecond latency

Traditional separate storage and SAN systems weren't built for this enterprise AI-driven world. AI-driven organizations must have infrastructure that self-manages by learning, adapting, and optimizing automatically as demands evolve.

The Hitachi VSP One Block High End integration with Brocade Gen 8 delivers an autonomous AI infrastructure that simplifies management complexity while accelerating AI deployment.



Autonomous Optimization

AI-powered intelligence recognizes workload patterns and self-optimizes across storage and network, reducing manual tuning by 75%.



Unified Visibility

A single pane of glass provides correlated analytics and insights across the entire infrastructure, accelerating issue resolution by 50%.



Predictive Intelligence

Automatic anomaly detection identifies and resolves issues before they impact performance, preventing 90% of potential disruptions.

Two Leaders. One Solution. Autonomous Intelligence Across Storage and Network

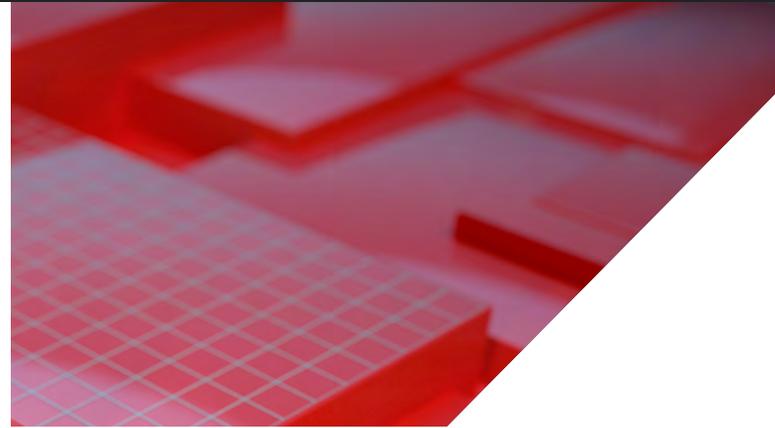
The Hitachi VSP One Block High End integration with Brocade Gen 8 delivers the industry's first truly autonomous AI infrastructure platform.

This solution combines Hitachi's award-winning data engine with Brocade's 30+ years of Fibre Channel leadership and embedded SAN AI technology. Together, they create a unified platform where storage and networking work as one intelligent system, rather than separate components competing for resources.

VSP 360 provides unified control across your entire hybrid cloud estate while Brocade's SAN Fabric Intelligence delivers autonomous network optimization. The result? Infrastructure that learns, adapts, and self-corrects automatically. IT teams transform into strategic innovators, reclaiming the time previously spent on reactive troubleshooting.

This isn't retrofitted legacy technology adapted for AI. It's purpose-built intelligent automation designed specifically for taxing enterprise AI workloads.

Integrating Hitachi VSP One Block High End with Brocade 128 GB Gen 8 Fibre Channel delivers the performance AI workloads demand. VSP One Block High End delivers up to 50M IOPS with sub-millisecond latency, ensuring GPUs receive a continuous data stream without starvation. Brocade Gen 8 Fibre Channel eliminates network bottlenecks and controls tail latency, maintaining predictable SAN performance at scale. Together, they accelerate checkpoint/restart operations and sustain the consistent throughput enterprise AI initiatives require.



Use Cases

Accelerate AI Model Development and Training

Enterprise AI teams need infrastructure that keeps pace with rapid experimentation and iteration cycles. Data scientists can't afford to wait hours for manual infrastructure tuning when they're running dozens of training jobs daily.

With the Hitachi VSP One Block + Brocade Gen 8 integration, embedded SAN AI automatically recognizes workload patterns and dynamically optimizes traffic across the fabric. When a new large-scale training job begins, the system identifies the pattern and proactively allocates bandwidth, preventing bottlenecks from impacting performance.

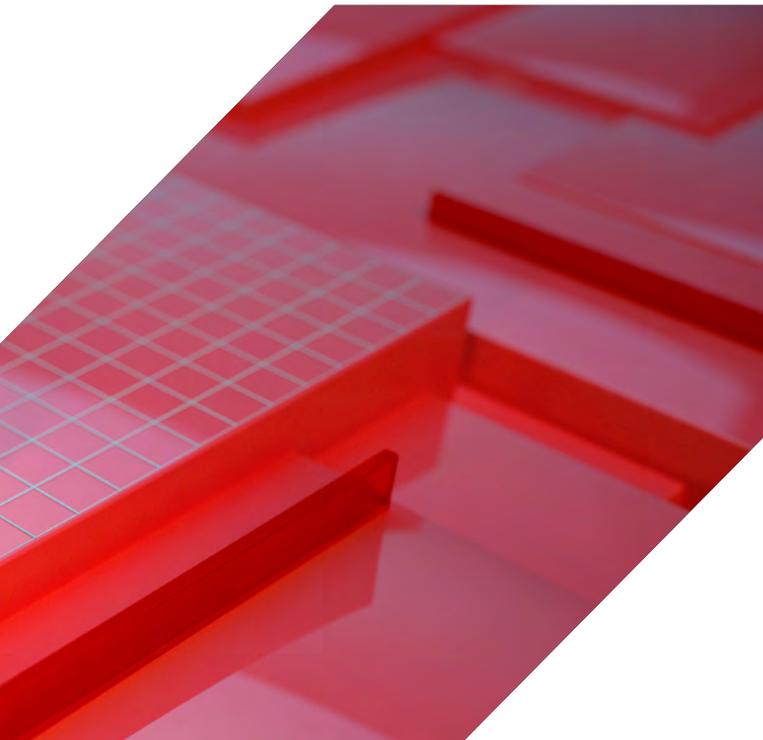
VSP 360's unified visibility shows exactly where data is flowing across storage and network, enabling instant identification of optimization opportunities. The outcome? AI training jobs complete 60% faster, data scientists get results sooner, and IT teams spend zero time on manual fabric tuning. Organizations accelerate from AI experimentation to production deployment while reducing infrastructure management overhead by 40%.

Reduce Cross-Vendor Troubleshooting

When enterprise AI applications experience performance issues, IT teams can spend hours or even days manually correlating metrics across separate storage and SAN vendor tools to identify the root cause. Is it a storage bottleneck? Network congestion? Application configuration? This vendor silo problem delays resolution and impacts business outcomes.

The Hitachi + Brocade integrated platform eliminates cross-vendor inefficiencies. Correlated analytics automatically span storage and networks, providing instant visibility into the entire data path. When an AI inference application shows latency spikes, unified intelligence immediately identifies whether the issue stems from storage IOPS, network congestion, or application behavior.

SAN Fabric Intelligence detects anomalies instantaneously and can self-correct many issues before they impact applications. For problems requiring human intervention, drill-down analytics cut troubleshooting time in half, enabling IT teams to resolve issues in minutes instead of hours while maintaining service levels for mission-critical AI workloads.



Scale Enterprise AI Without Scaling IT Headcount

As organizations scale from pilot AI projects to dozens of production workloads, the burden of infrastructure management typically grows exponentially. Traditional approaches require hiring specialized staff to manage storage, networking, and AI operations separately. That's an unsustainable model.

Hitachi VSP One Block + Brocade Gen 8 breaks this paradigm with intelligent automation that scales infrastructure management without intervention. As new AI workloads are deployed, the integrated platform learns behavioral patterns and optimizes resource allocation without manual configuration.

Dynamic load balancing adapts to changing demands across virtual channels. Predictive analytics identify capacity needs before constraints emerge. Automatic anomaly detection resolves issues proactively. The unified management interface eliminates constant context switching between disparate vendor tools.

Organizations running hundreds of enterprise AI workloads maintain the same IT team size while managing 10x more infrastructure. The platform's intelligent automation handles operational complexity, freeing teams to focus on strategic AI initiatives that drive revenue and accelerate competitive advantage.

Summary

Transform Complexity into Competitive Advantage

Enterprise AI initiatives succeed or fail based on the agility of their infrastructure. Organizations can't afford to have IT teams overwhelmed by management complexity while competitors race ahead.

Hitachi VSP One Block High End, integrated with Brocade Gen 8, delivers an autonomous AI infrastructure that learns, adapts, and optimizes automatically as demands evolve. Reclaim up to 40% of your team's time. Cut deployment cycles in half. Eliminate vendor silos with unified intelligence across storage and networks.

Stop managing infrastructure. Start orchestrating intelligence. With guaranteed performance, autonomous optimization, and unified control, your IT teams can focus on driving AI innovation instead of putting out infrastructure fires.

Discover how autonomous infrastructure can fast-track your AI initiatives. Get a personalized assessment of your current environment to assess projected time savings and performance improvements.

[Learn more →](#)

About Hitachi Vantara

Hitachi Vantara is transforming the way data fuels innovation. A wholly owned subsidiary of Hitachi, Ltd., we're the data foundation the world's leading innovators rely on. Through data storage, infrastructure systems, cloud management and digital expertise, we build the foundation for sustainable business growth.

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