

eBook

# Brocade Gen 8 + Hitachi VSP One Block

*Two Leaders. One Solution.*

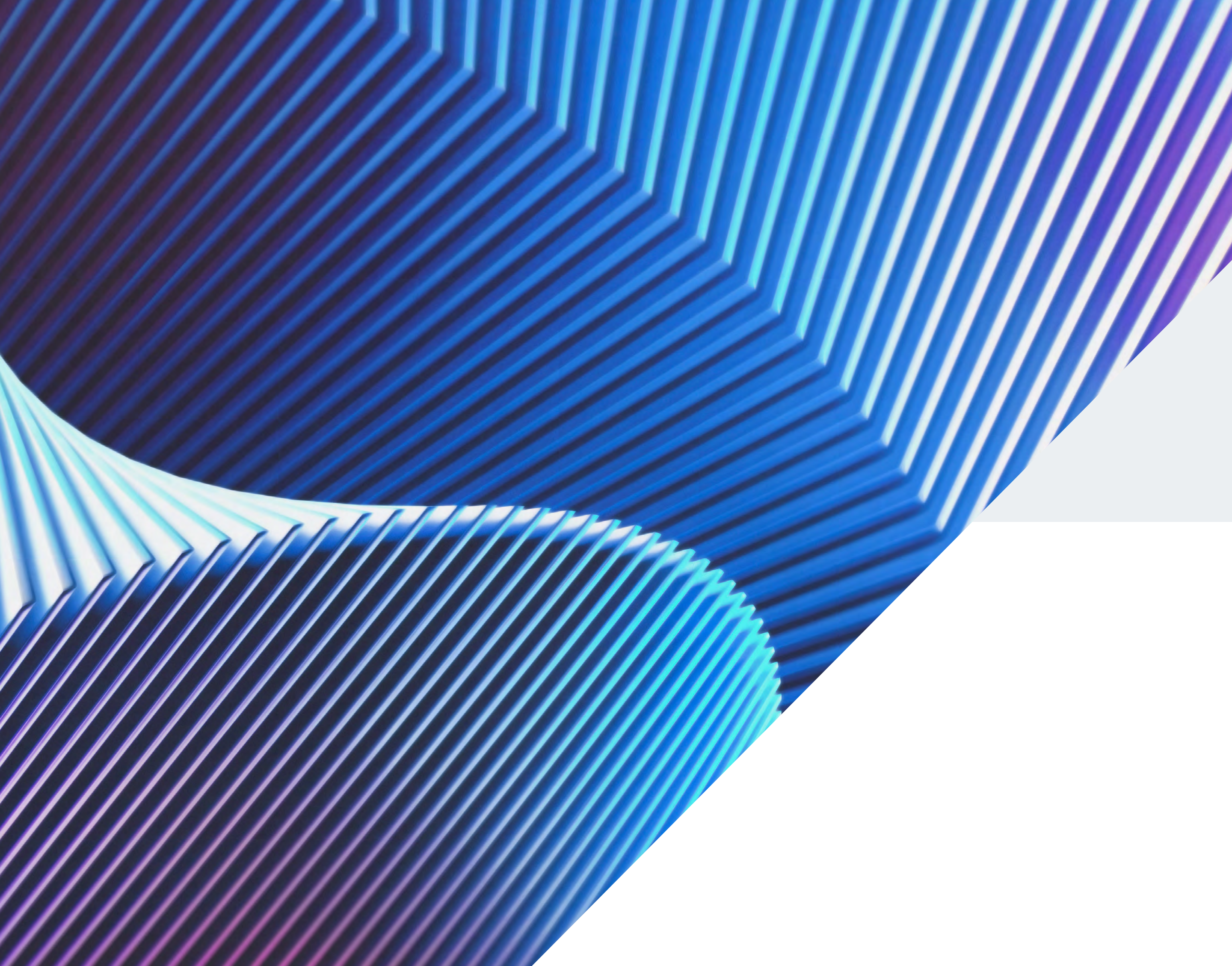




# Table of Contents

<b>AI Demands More Than Legacy Can Deliver.</b>	<b>3</b>
<b>Brocade + Hitachi. Two Leaders, One Solution.</b>	<b>4</b>
<b>Brocade + Hitachi. Intelligence Meets Resilience.</b>	<b>5</b>
<b>Brocade + Hitachi. How Integration Changes Everything.</b>	<b>6</b>
<b>Brocade + Hitachi. AI-Powered Autonomy Without Complexity.</b>	<b>7</b>
<b>Brocade + Hitachi. Quantum-Safe Security Architecture.</b>	<b>8</b>
<b>Brocade + Hitachi: ROI, Sustainability, and Scale. Guaranteed.</b>	<b>9</b>
<b>Brocade + Hitachi. Reduce Network Latency, Maximize Performance.</b>	<b>10</b>
<b>Brocade + Hitachi. Complete Visibility, Faster Insights.</b>	<b>11</b>
<b>Brocade + Hitachi. Your Upgrade Starts Here.</b>	<b>12</b>





# AI Demands More Than Legacy Can Deliver.

With the rapid growth of AI traffic and the increasing complexity of modern storage systems, your network must be smarter. You need to automate, simplify, and ensure nonstop operations while pushing the boundaries of performance and security.

AI inference engines demand microsecond response times that legacy infrastructure cannot provide. Meanwhile, quantum computing threatens to make current encryption obsolete. Organizations managing separate storage and SAN vendors face complexities that slow AI innovation and time-to-value.



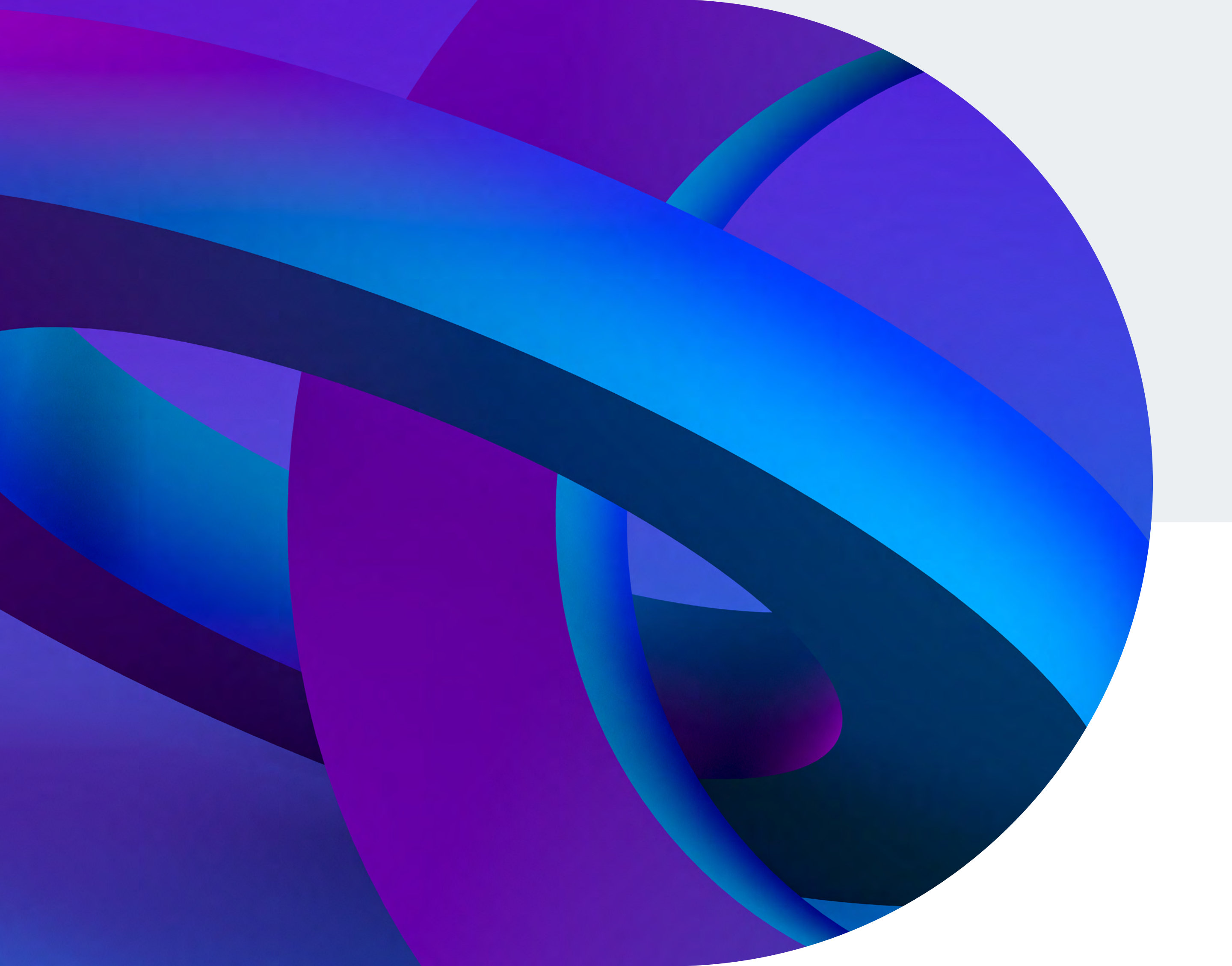


# Brocade + Hitachi. Two Leaders. One Solution.

Hitachi Vantara and Brocade have redefined the gold standard in modern storage networking by delivering future-proof performance, resilience, and security. Together, they dramatically reduce complexity and TCO while offering the highest performing, lowest latency enterprise-grade solution in the market.

Brocade Gen 8 delivers a secure, cyber-resilient, autonomous SAN. Hitachi Virtual Storage Platform (VSP) One Block provides unparalleled storage networking performance and resilience. Together, this integrated solution eliminates the complexity of managing separate systems while delivering quantum-safe security that future-proofs your investments.



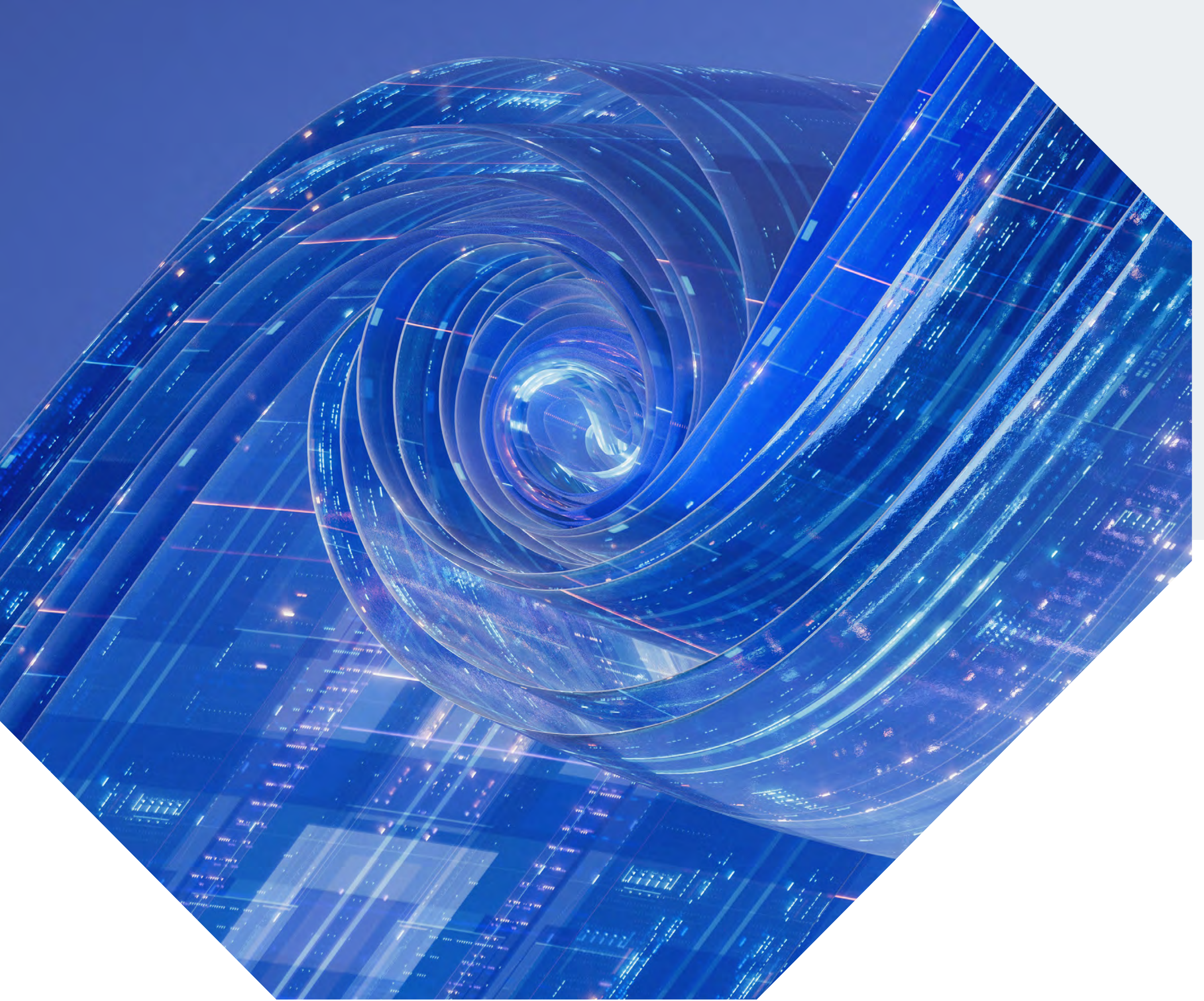


# Brocade + Hitachi. Intelligence Meets Resilience.

Brocade Gen 8 combines powerful analytics, advanced automation, and integrated security to safeguard your SAN against cyberattacks while learning, optimizing, and healing on its own. IT can proactively monitor performance and take immediate action to dramatically improve application availability.

Hitachi's 100% data availability guarantee, coupled with Brocade's renowned networking resilience, mitigates downtime through seamless integration. More than 75% of the Fortune 100 rely on VSP One, including 10 out of 10 top insurers and telcos, 9 out of 10 top manufacturers and health providers, and 8 out of 10 top banks.





# Brocade + Hitachi. Integration Changes Everything.

Managing separate storage and SAN creates AI performance challenges. Manual correlation between storage and network issues burns valuable engineering cycles. Separate management planes slow problem resolution, which is problematic when time-to-insight determines competitive advantage.

The Hitachi VSP One Block + Brocade Gen 8 integration delivers storage and networking that work as one intelligent system. Correlated analytics pinpoint bottlenecks instantly, turning hours of troubleshooting into minutes. A single security fabric protects AI data from ingest through training to inference. Embedded intelligence automatically adapts to changing AI demands faster than any human operator.





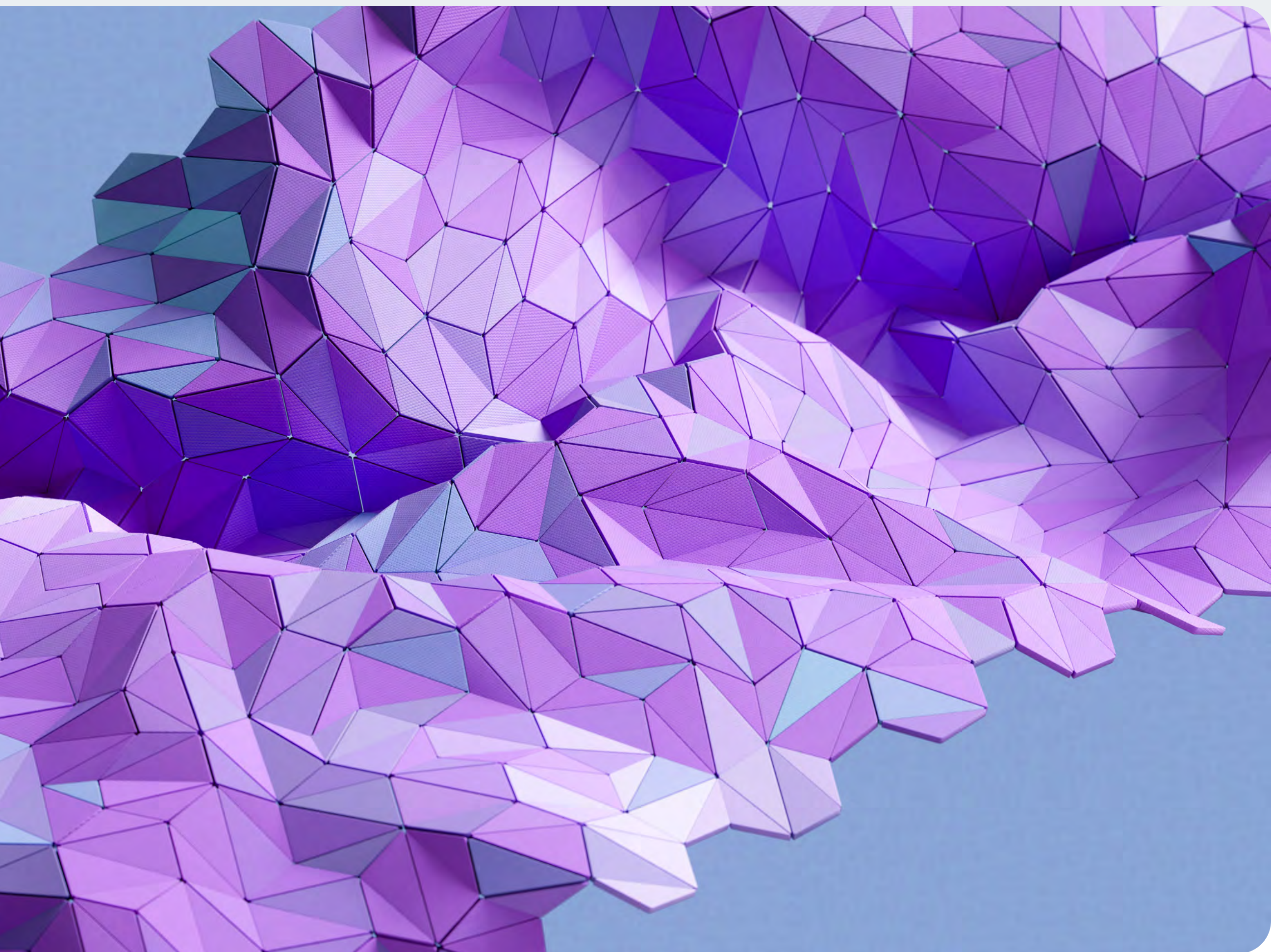
# Brocade + Hitachi. AI-Powered Autonomy Without Complexity.

Traditional separate storage and SAN systems require IT teams to correlate performance issues manually, troubleshoot across vendor silos, and continually tune configurations for evolving AI workloads.

Our Autonomous Intelligence Solution transforms you from reactive infrastructure management to proactive, AI-driven optimization that scales automatically with your business:

- Embedded SAN AI automates application infrastructure management and eliminates time-consuming manual correlation
- VSP 360 provides unified control across the entire hybrid cloud estate
- Dynamic load balancing adapts to AI workload patterns automatically
- Automatically monitors fabric behavior, detects anomalies, and self-corrects before issues impact performance





# Brocade + Hitachi. Quantum-Safe Security Architecture.

Full-stack, quantum-resistant security protects AI intellectual property from current and future threats, offering end-to-end protection from data ingestion through model training to inference deployment. Quantum computers could render current encryption obsolete within 24 months. Protecting AI IP requires quantum-safe architecture today, not reactive patches tomorrow.

The integrated solution delivers 256-bit encryption with Root of Trust across storage and SAN, FIPS 140-3 Level 2 certification, and advanced cryptographic algorithms protecting SAN fabrics. Strong access controls minimize the attack surface while continuous monitoring tracks security events. A single security fabric eliminates gaps created by separate storage and SAN policies.



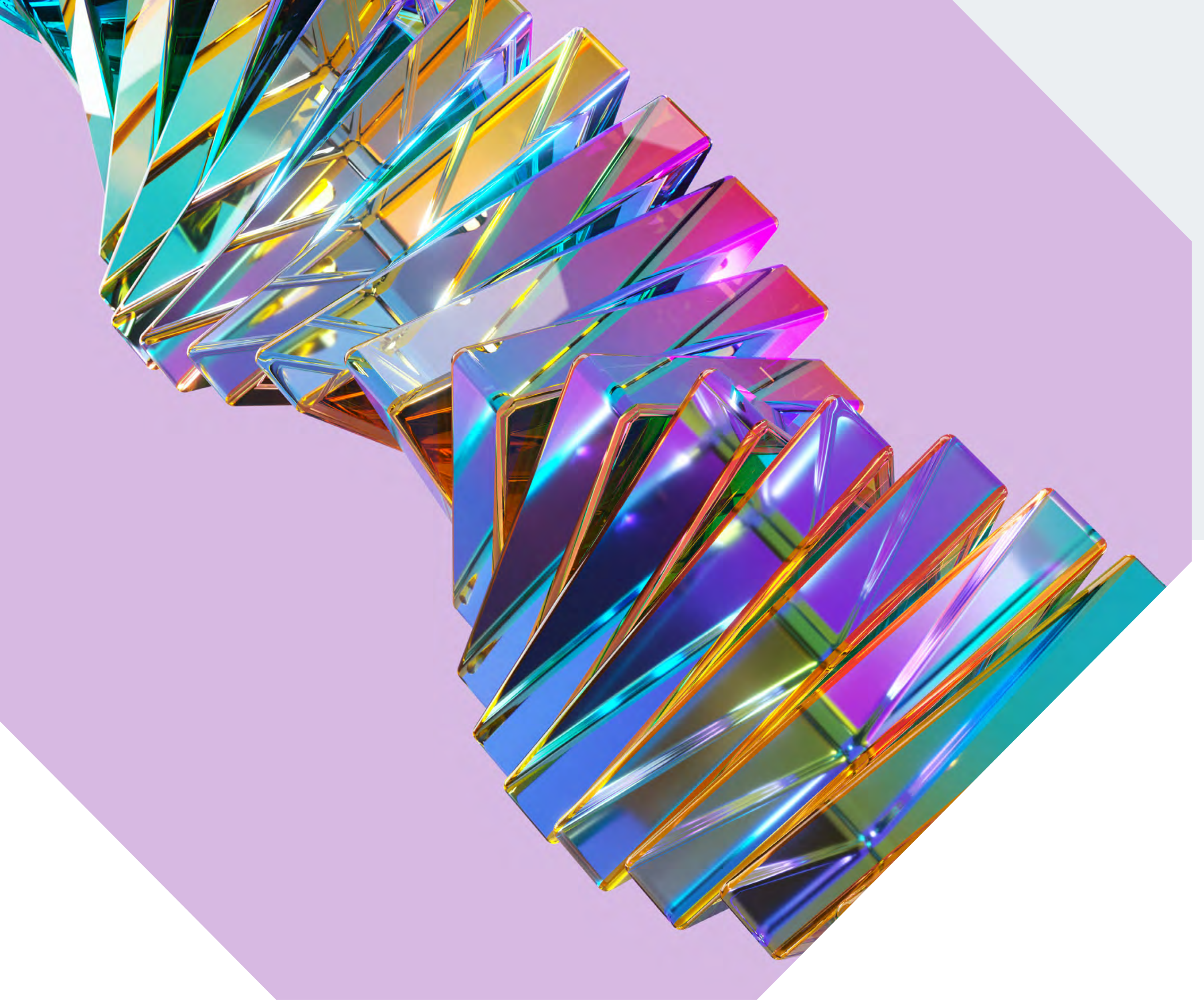


# Brocade + Hitachi. ROI, Sustainability, and Scale. Guaranteed.

CFOs demand better ROI. Boards mandate sustainability. AI demands massive scale. This integration delivers all three with guarantees that protect budgets and reputations.

A 4:1 data reduction guarantee provides 75% less raw capacity requirements. Any IO converged fabric eliminates separate networks and scales to 384 x 128 GB ports. Data-in-place upgrades avoid forklift refreshes. A single vendor relationship reduces management overhead by 40%, maximizing VM and application density for unmatched efficiency.





# Brocade + Hitachi. Reduce Network Latency, Maximize Performance.

Brocade Gen 8 Traffic Optimizer proactively segregates traffic based on speed, latency, or protocol, creating separate performance groups for optimal throughput. It automates the segregation of traffic.

But for NVMe technology to really shine, it needs speed. VSP One Block is the industry's fastest NVMe flash-optimized storage, designed to support NVMe over Fiber Channel for ultra-low latency and high throughput. Brocade Gen 8 SAN delivers 128 GB Fibre Channel with unmatched latency, ensuring that the network does not bottleneck the storage array's performance.





# Brocade + Hitachi. Complete Visibility, Faster Insights

To rapidly diagnose application issues, meet SLAs, and enable fast analytics, you need complete visibility across your storage network.

With integrated monitoring and diagnostics, Brocade and Hitachi provide complete visibility through easy-to-use HTML5 tools. Advanced telemetry provides deep visibility into traffic patterns, bottlenecks, and performance metrics, helping administrators optimize usage and plan capacity effectively. The result: 75% reduction in time spent on inventory tasks and 50% faster troubleshooting.





# Hitachi + Brocade. Your Upgrade Starts Here.

Storage connectivity must deliver on rapidly evolving requirements to keep up with new technologies. Brocade Gen 8 enables SAN admins to support connectivity demands today and migrate to higher performance as needed.

VSP One Block delivers enterprise-class block storage for all mission-critical workloads. Its NVMe all-flash scalable architecture with symmetric active-active controllers ensures you can efficiently accelerate and consolidate workloads at any scale.

Upgrade to Brocade Gen 8 and deploy VSP One Block today to eliminate complexity while maximizing data availability, security, and efficiency. Embrace the future of storage networking built for AI—tomorrow's benchmark of performance, availability, resilience, simplicity, and security.



Learn more →

