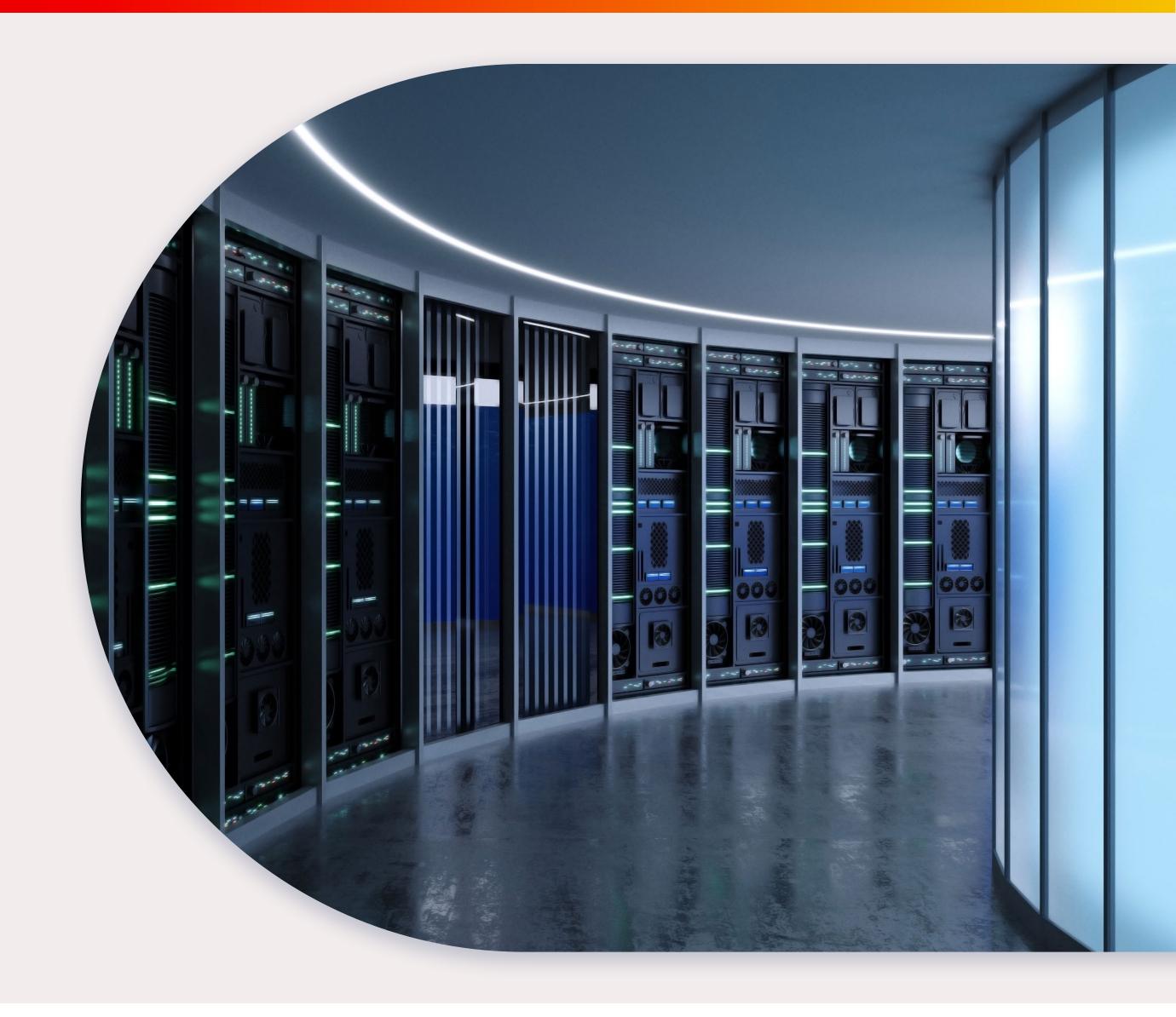**Hitachi Vantara**

eBook

Brocade Gen 7 + Hitachi VSP

Accelerate Innovation: Upgrade Your SAN and Storage

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

Hitachi Vantara | Brocade Gen 7 + Hitachi VSP

Hitachi and Brocade. Better Together.

Hitachi Vantara and Brocade have redefined the gold standard in modern storage networking—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.

With Brocade® Gen 7 Fibre Channel, you gain a secure, cyber-resilient, autonomous SAN that amplifies the ROI of your servers and storage investments. Hitachi Virtual Storage Platform One (VSP One) Block appliances provide unparalleled storage networking performance, sustainability, and resilience for your mission-critical applications.

Brocade Gen 7 + Hitachi VSP One: The Future of Storage Technology

Brocade® Gen 7 combines powerful analytics, advanced automation, and integrated security capabilities to safeguard your SAN against cyberattacks, disruptions, and disasters, while learning, optimizing, and healing on its own. IT can proactively monitor application and network performance and take immediate action to dramatically improve application availability and the reliability of the network.

Secure, compact and hybrid cloud-ready, Hitachi Vantara Virtual Storage Platform (VSP) One simplifies data management, enabling you to get to market faster, drive operational success, and deliver better customer experiences.

Hitachi's 100% data availability guarantee, coupled with Brocade's renowned networking resilience, mitigates downtime by delivering global views and seamless integration across all systems and fabrics.

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.

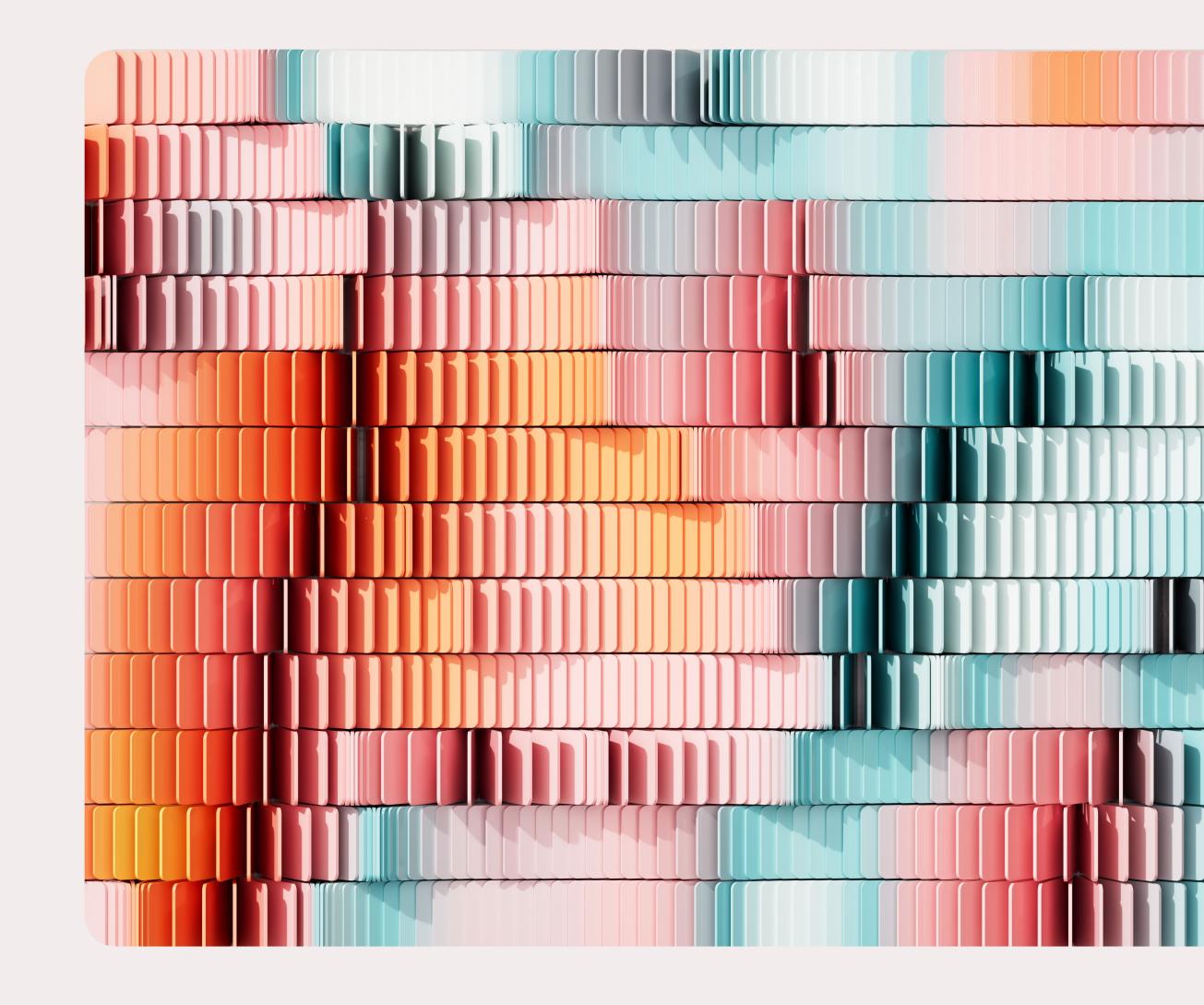# Brocade + Hitachi: Mitigate Mixed Platform and App Conflicts

SAN traffic is far from uniform. Most IT infrastructure deals with a mix of platform and application generations. However, running unsupported products across your storage networking fabric can create significant traffic, workloads and compliance issues. Traffic running on older technology can also impact its delivery.
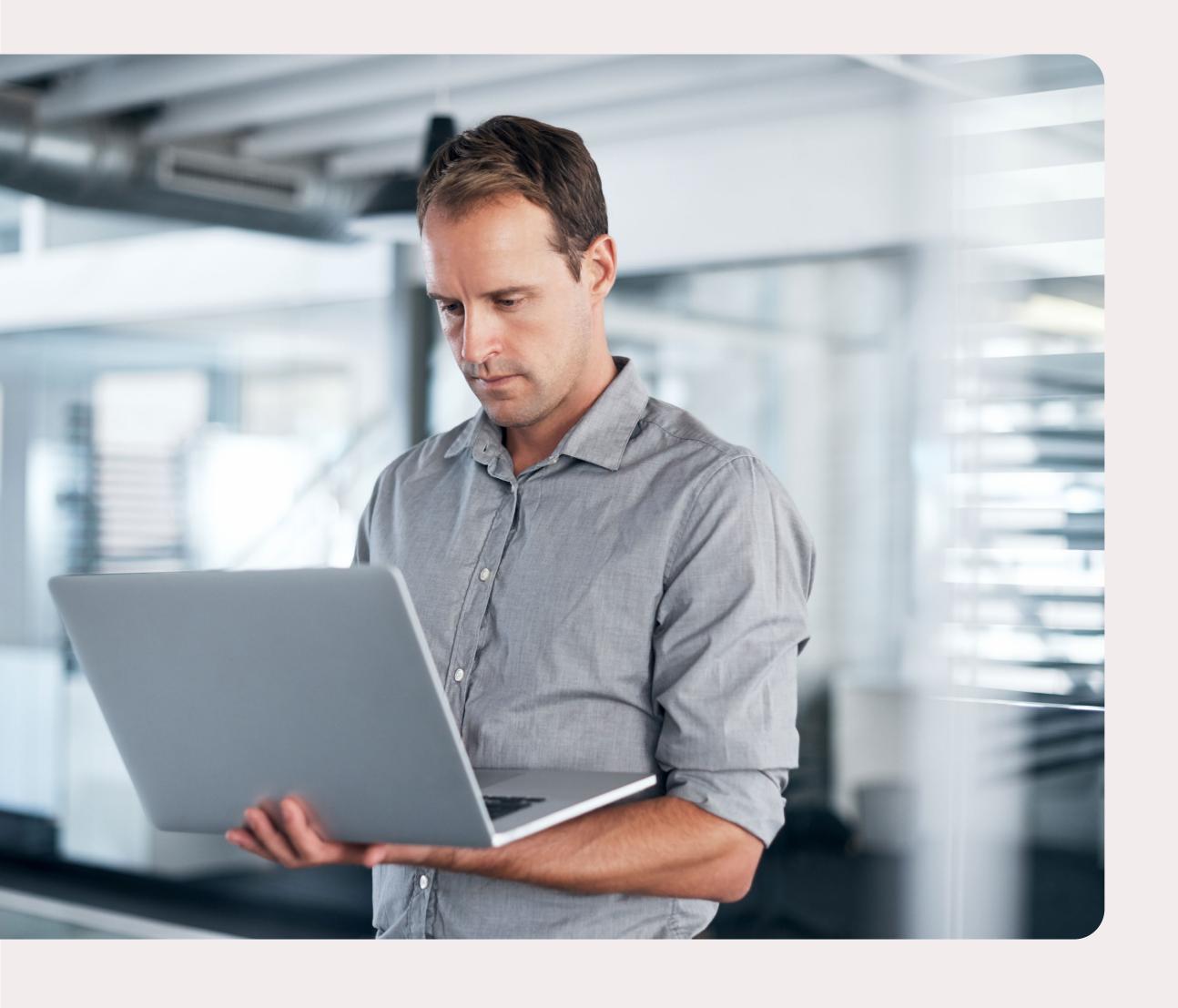
With insight into the fabric, Brocade Gen 7 automatically detects abnormal traffic patterns and areas where performance is degraded. Countless cycles of manual analysis are eliminated. But it's not just about automating existing tasks; Brocade self-learning capabilities are essential as the volume and complexity of data spiral far beyond the capabilities of IT to manage.

Brocade + Hitachi: Cut Network Latency by 50%

The Brocade Gen 7 Traffic Optimizer feature proactively puts like traffic together over virtual channels, creating separate performance groups. It automates the segregation of traffic based on characteristics such as speed, latency, or protocol, like NVMe or SCSI.

NVMe and NVMe over fabric boost performance, scalability, availability, and efficiency. But for NVMe technology to really shine, it needs speed. That's where VSP One comes in—it's the industry's fastest and most reliable NVMe flash-optimized storage. Pair it with Brocade Gen 7, and you'll get the most out of your NVMe arrays by handling high-transaction workloads while reducing network latency by 50%.

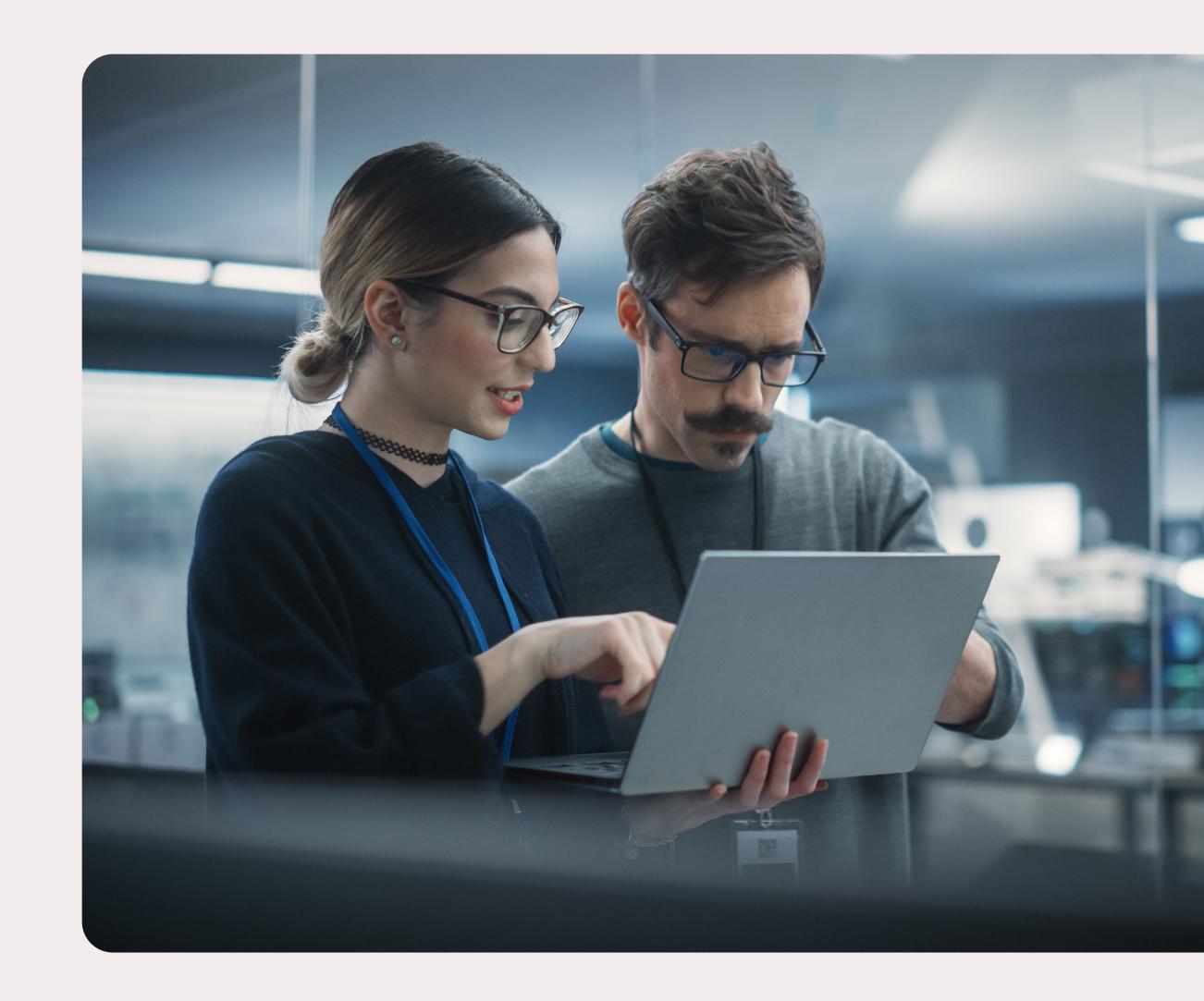# Brocade + Hitachi: Maximize Uptime and Optimize Compliance

Running unsupported products across your storage networking fabric can create major issues: older platforms weren't designed to handle today's traffic, workloads, and compliance needs. Even 16G or 32G technologies at are risk of failing over time. And the shortest delays can impact critical application performance.

With Brocade Gen 7 and Hitachi Virtual Storage Platform your storage fabric delivers the agility, speed, and NVMe capabilities required to maximize uptime, ensure compliance, and protect your mission-critical apps.

Brocade + Hitachi: Gain Valuable Insights and Diagnostics

You can't manage what you can't measure. To rapidly diagnose and resolve the causes of application issues, meet SLAs, and enable the fast, accurate analytics critical to application delivery and evolution, you need full visibility of every asset across your storage network.

With integrated advanced monitoring and diagnostics, Brocade and Hitachi provide visibility, maximizing performance and insight, accelerating remediation, and ensuring peace of mind. Reducing the number of steps needed, the integrated analytics and advanced automation built into Gen 7 ease and simplify SAN resource deployment, configuration, and management via easy-to-use tools. No more java – all html5.

Brocade + Hitachi: Save on Support Renewal Costs

Since Brocade Gen 5 has reached end of life, renewal support pricing has risen by 50%. So, upgrading to Gen 7 actually reduces renewal support costs while offering all the networking performance you need to optimize your storage.

Plus, Gen 7 includes essential software licenses like Fabric Vision, ISL Trunking, and FICON CUP, at no additional cost.

Brocade and Hitachi: A Data Advantage Without Equal

No competitive solutions offer nearly the same levels of performance and resilience. Hitachi and Brocade deliver:

- 50X more throughput over distance
- Scalable Ethernet switching from 1Gb to 40Gb
- Built-in compression for 4:1 efficiency
- Strong 256-bit AES hardware encryption
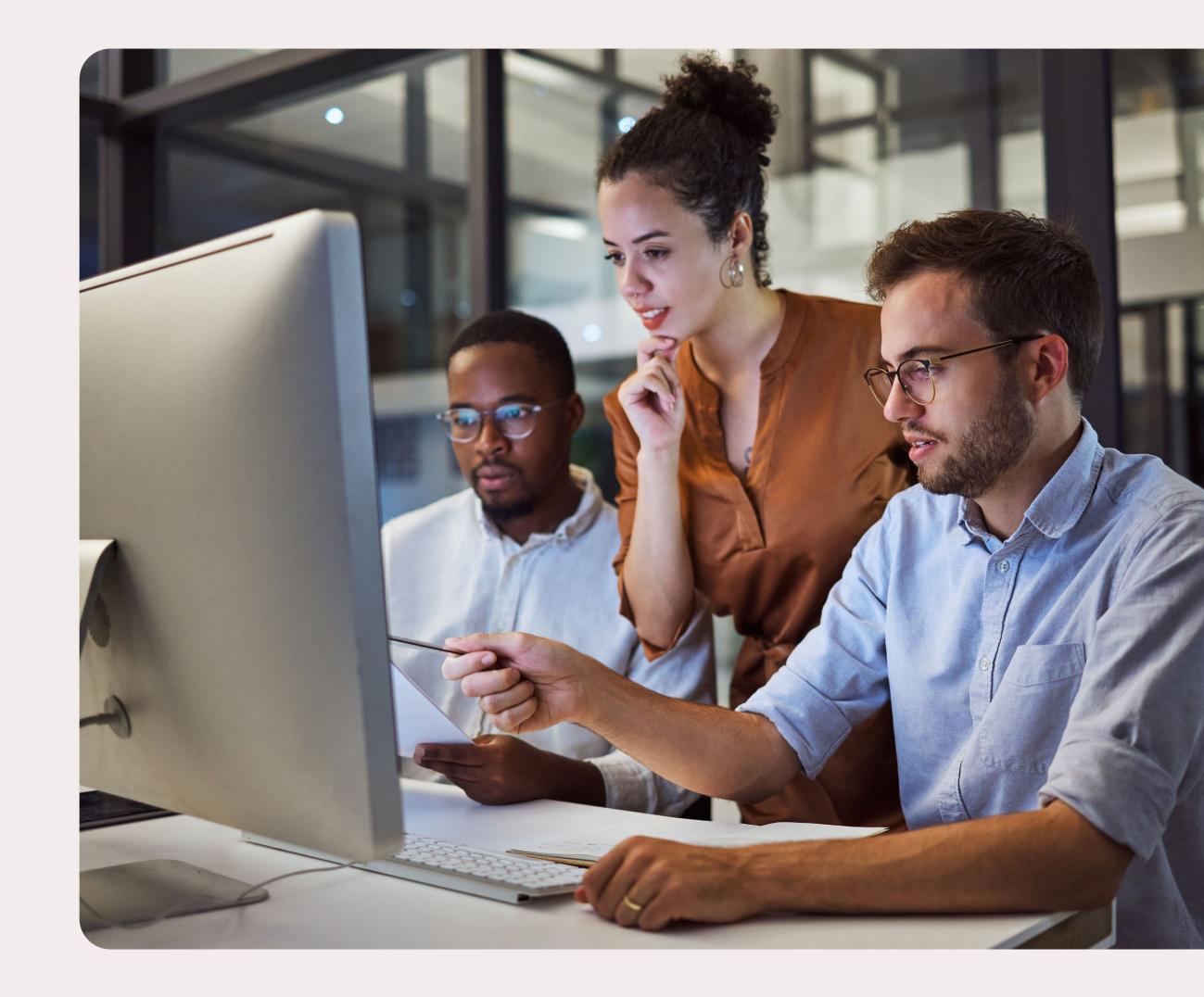- Flexible bandwidth management

Upgrading from Brocade Network Advisor to Brocade SANnav

As storage fabrics become more complex, Brocade SANnav streamlines management with advanced automation, real-time troubleshooting, and HTML5 interfaces. SANnav integrates seamlessly with Hitachi OpsCenter, accelerating your team's efficiency and slashing the time spent on inventory and reporting tasks.

Plus, simplifying management through self-optimizing, self-learning and self-healing delivers a truly autonomous SAN with root cause analysis, critical traffic prioritization, full device protocol, I/O and application monitoring.

Why Brocade SANnav?

- Brocade Network Advisor is no longer supported
- Brocade Network Advisor is not compatible with Gen 7
- Brocade SANnav is complementary to Hitachi OpsCenter
- SANnav supports Gen 7 for next-gen storage needs
- 75% reduction in time spent on inventory tasks
- 50% faster troubleshooting and insights

Brocade Extension products—Deliver Data Anywhere

WAN Connections are expensive, and maintaining the bandwidth, quality and security of those connections drives costs up. Brocade Extension switches can provide a less costly, lower-quality connection while using less bandwidth, so customers can deliver data with high performance and high availability no matter the distance and with always on encryption at a much lower cost.

Hitachi + Brocade. Embrace the Future

The evolution of on-demand data centers has changed the expectations of storage networks. Reliably passing data between compute and storage no longer meets rising business demands. Storage connectivity must be able to deliver on rapidly evolving requirements to keep up with new server and storage technologies.

Brocade Gen 7 innovation enables SAN admins to support storage connectivity demands today and migrate to higher levels of functionality, performance, and resiliency as needed to meet their on-demand data center requirements.

VSP One delivers enterprise-class block storage for all mission-critical data workloads, from legacy databases to modern applications. Its NVMe all-flash scalable architecture with symmetric active-active controllers ensures you can use VSP One to efficiently accelerate and consolidate workloads at any scale.

Hitachi + Brocade.
Your Upgrade Starts Here.

Upgrade to Brocade Gen 7 and deploy VSP One today to eliminate complexity while maximizing data availability, security, and efficiency. Embrace the future of storage networking and tomorrow's benchmark of performance, availability, resilience, simplicity, and security.

For more information on the advantages of Brocade and Hitachi solutions, please visit our website.

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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