

All-Flash Buyer's Guide

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5 Reasons to Select Hitachi Vantara for All-Flash Solutions

To thrive in today's digital economy, you need a more advanced IT infrastructure that can handle data faster and more efficiently. With all-flash solutions, you can accelerate business decisions, enhance IT agility and improve customer satisfaction.

Our All-Flash Buyer's Guide will help you make more informed decisions when selecting an all-flash partner. Not every all-flash solution provides consistent performance, efficiency and simplified management. Yet, these capabilities are all necessary to achieve the comprehensive technical and business benefits offered by a shift to all-flash storage.

ALL-FLASH ADVANTAGES:

1 Improve Scalability for Growth



2 Maximize Data Reduction Technology



3 Confidently Consolidate Multiple Workloads



4 Reduce Disruption for Higher Performance



5 Achieve Consistent Long-Term Performance



A woman with long brown hair in a braid is looking at a server rack in a data center. The server rack is filled with various components and colorful cables. The background is dark and out of focus.

1. IMPROVE SCALABILITY FOR GROWTH



A flash array can quickly fix performance problems, but you can also outgrow your flash system if you don't develop a strategic plan that takes scalability into account. As a result, you may have silos of information that can't be easily shared.



Hitachi provides the tools required to successfully plan an all-flash investment to scale over time, without creating silos of information. If you have multiple all-flash products already, Hitachi can virtualize these to build a pool of all-flash capacity that is easy to manage and eliminates wasted capacity. We ensure that your all-flash solution grows seamlessly with your infrastructure.



2. MAXIMIZE **DATA REDUCTION** TECHNOLOGY



Data reduction technology reduces storage demands while saving space and money across all tiers. But most data reduction technologies come with a performance tradeoff: The processing power needed to run data reduction algorithms takes away from the overall system ability to move data at fast response times.



Hitachi offers solutions designed for specific workload needs that minimize performance issues. With Hitachi Virtual Storage Platform (VSP) F series you can adaptively manage data reduction on either patented flash modules or storage controllers for consistent performance and data reduction. This approach eliminates the bottlenecks that other flash systems experience when data reduction technologies are running. And you can choose which data reduction services to apply to accommodate high-volume transactions.



3. CONFIDENTLY **CONSOLIDATE** MULTIPLE WORKLOADS



Many all-flash vendors have solutions that work well with specialized workloads, but not all vendors can consolidate multiple workloads for cost savings and management efficiencies.

Unlike all-flash systems sold by vendors with a one-size-fits-all approach, our VSP F series and VSP G series can consolidate applications with block, file and object data on the same system. All of these models also include quality of service (QoS) controls, which protect against latency spikes by managing access priority across all applications. These controls ensure consistent performance for the most demanding applications. They help you:

- ✓ Manage workloads to avoid monopolizing bandwidth.
- ✓ Prevent full control of data reduction cycles.
- ✓ Integrate with VMware VVol for end-to-end QoS.



QoS controls can be set for logical volumes, host ports or host bus adapters (HBAs).



4. REDUCE DISRUPTION FOR HIGHER PERFORMANCE



Flash technology is simpler and less problematic than mechanical disks, so it is expected to cause less disruption, right? Unfortunately, many flash solutions can be very disruptive. It's important to know which ones to avoid.

Backed by our industry-leading 100% data availability guarantee, Hitachi all-flash solutions are designed to reduce disruption in ways that improve productivity: You see faster performance and more uptime.



We also offer solutions that provide nondisruptive data migrations, active-active clusters and zero recovery point and time objective (RPO and RTO) failovers.

5. ACHIEVE CONSISTENT LONG-TERM PERFORMANCE



You want an all-flash solution that consistently delivers high performance throughout its lifetime. But, with many all-flash solutions, when they fill and overwrite data, performance begins to suffer.

Hitachi offers hybrid and all-flash solutions designed to deliver maximum performance over time. From patented innovations in Hitachi Accelerated Flash to selectable data services, we deliver solutions that meet your specific application requirements.



We also offer ecosystem-monitoring tools that analyze and determine hot spots, to proactively identify and resolve issues that can affect performance, before they happen.

OPTIMIZE YOUR STORAGE INFRASTRUCTURE WITH ALL-FLASH SOLUTIONS FROM HITACHI

To stay competitive and satisfy your customers in today's digital economy, you need faster, scalable and more efficient IT performance. Adopting all-flash solutions can meet these performance demands. Now is the time to consider Hitachi as your long-term strategic partner for fast-evolving all-flash technology.

Hitachi Vantara is an acknowledged leader in storage, servers and networks, including converged and hyperconverged infrastructure solutions, and we already support the world's largest all-flash production environment. Hitachi's long-term commitment and investment in developing next-generation flash technologies is proven by its impressive 350 flash-related patents, more than any other vendor in the industry.

READY TO
LEARN MORE?

Read the Evaluator Group's Technology Insight Paper, "[Hitachi Flash Storage: Flash for Multiple Enterprise Data Center Deployment Strategies.](#)"

[Contact](#) our flash experts today. They can assess your storage challenges and tailor custom flash solutions to meet your changing needs.

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