

Hitachi Storage Systems and Microsoft® SQL Server® 2008

Microsoft SQL Server 2008 provides a comprehensive data platform with increased security, reliability and scalability for your mission critical applications, while the unmatched performance of Hitachi storage systems makes them the clear choice to support SQL Server.



Supporting Your Most Critical SQL Applications

The terms trusted, productive and intelligent describe the new Microsoft SQL Server 2008. Likewise, they describe Hitachi storage. More than one half of the top 100 companies listed on the Fortune 500® use Hitachi storage systems for their most trusted business applications, relying on features like the highest uptime guarantees, robust three data center replication, unmatched performance, Hitachi Dynamic Provisioning software and the company's heritage in enterprise mission critical environments.

Here are a few ways Hitachi storage and Microsoft SQL Server 2008 can help enable your most mission critical SQL applications.

Trusted

Business intelligence, data warehousing and analytics — all are critical components of your business. Hitachi enterprise storage and Microsoft SQL Server 2008 support these capabilities with a fast, reliable and available solution.

Fast

With the Hitachi Adaptable Modular Storage 2000 family active-active controllers, storage I/O is automatically load balanced, providing greater throughput with no configuration required; the dual controller configuration ensures fault tolerance and reliability. The unique properties of the Adaptable Modular Storage 2000 controllers also provide 75% more I/O paths than the nearest competitor, providing greater performance as more disk is deployed. At the same time, the “five nines” quality and reliability of the Adaptable Modular Storage 2000 family ensures 24/7 SQL Server database availability.

And at a blistering speed of more than four million input output operations per second (IOPS) of maximum performance and fueled by its next generation, large scale, heterogeneous virtualization layer and architectural innovations, the Hitachi Universal Storage Platform® V will accelerate your SQL applications' performance past the competition.

“The USP V [Universal Storage Platform V] takes performance to another level,” said Tony Asaro, senior analyst, Enterprise Strategy Group. “This is also innovation at its best — improving the architecture of a storage system to raise its performance at nearly all levels — in leaps. Performance is not discussed as often as it should be; if your applications don't perform well — then your business suffers.”

Reliable

Reliability is critical in the enterprise and is something Microsoft is committed to with Windows Server® 2008 and SQL Server 2008. So, don't trust your enterprise applications to just any storage vendor. Join the many top Fortune 500 companies who trust their data to Hitachi Data Systems and its strong heritage in their largest mission critical enterprise environments.

Available

With Windows Server 2008 and SQL Server 2008 now more robust and available than ever before, shouldn't you have a storage

platform that can keep your data safe without sacrificing performance or reliability? Hitachi offers industry leading backup software and high performance, controller-based replication solutions that protect SQL Server data through backup, archiving and disaster recovery. With the Hitachi server cluster on Microsoft Hyper-V™, the Adaptable Modular Storage 2000 family enables your Microsoft Exchange administrator to achieve the highest possible business resilience for SQL Server applications. Use Hitachi resilience technologies to protect your most valuable data from site and regional disasters.

Productive

With the proliferation of isolated departmental SQL Servers, it has become increasingly difficult for businesses to manage and protect their critical data. Hitachi storage systems have the features and tools to make sure SQL Server and Microsoft SharePoint are never starved for storage resources, overprovisioned or wasteful of IT assets, which saves you time and money. Relying on the robustness and scalability of SQL Server 2008 and Hitachi storage, you can now confidently align your business requirements with the appropriate level of storage.

By running Hitachi Tiered Storage Manager and Hitachi Universal Volume Manager software on the Universal Storage Platform V or Universal Storage Platform VM, you can transparently, nondisruptively and interactively migrate data across externally connected heterogeneous tiers of storage. In this way, you can match SQL Server application service level agreement requirements to the appropriate storage tier and allow your storage to be as productive as you are.

HITACHI STORAGE SOLUTIONS FOR SQL SERVER: KEY FEATURES

- Application-centric data delivery based upon performance, availability, cost and protection requirements
- Extreme performance, scalability and reliability
- Advanced backup, replication, migration and protection capabilities
- Thin provisioning for cost savings, simplified provisioning and improved performance
- Seamless implementation on Microsoft Windows® platform
- SQL Server application specific solutions
- Massively scalable, multitier capacity infrastructure for optimizing data storage cost across its entire lifecycle
- Consolidation and common management of infrastructure and resources

Intelligent

Your applications are intelligent; shouldn't the storage you run them on be equally intelligent? With Hitachi storage it will be. Hitachi Dynamic Provisioning software allows storage to be allocated to an application without actually being physically mapped until it is used. This "just in time" provisioning de-couples the provisioning of storage to an application from the physical addition of storage capacity in the storage system, achieving overall higher rates of storage utilization. Hitachi Dynamic Provisioning also reduces space, power and cooling costs with fewer physical disks required, resulting in a lower "carbon footprint," and allowing your business to save not only time and money but part of the environment as well. Now that's intelligent storage.

What Choosing Hitachi Storage Means to Your Business

Hitachi Data Systems provides a wide range of storage hardware and software to allow your business to take advantage of all the benefits of SQL Server 2008. From the smallest environments using Hitachi Simple Modular Storage to the largest most demanding environments running on the Universal Storage Platform V, Hitachi Data Systems has the tools to help you "right size" your storage environment now and in the future.

To see why Hitachi is the true leader in trusted, productive and intelligent storage contact your local Hitachi Data Systems Sales Representative today.

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