Dramatically Increase Database Performance and Efficiency with Oracle FS1 Flash Storage Systems

You can dramatically increase database performance and efficiency by deploying Oracle's newest application-engineered storage, the FS1 Flash Storage System, along with Oracle Database and Oracle Applications. Oracle's co-engineered hardware and software stack enables performance gains of up to 5x with Oracle Database while reducing storage costs by up to 75 percent and lowering overall deployment risk.

Today's IT Challenges Require a New Approach to Storage

Let’s face it. IT budgets aren’t keeping pace with exponential data growth, the increasing transaction loads of your enterprise databases, and the requirements of latency-sensitive applications. If you want to meet these needs without breaking your budget, you need a storage solution that delivers superior database and application performance, exceptional storage efficiency, and reduced risk—all at an affordable cost.

The Oracle FS1 Flash Storage System delivers on all of these requirements. Purpose-built for flash, Oracle FS1 is Oracle’s enterprise-grade SAN storage solution that intelligently places data across four tiers of flash and disk media to optimize performance, efficiency and cost. Since only around 10% of data is hot at any one time, you can reduce your costs by purchasing less of the expensive flash media and save as much as 30X by placing the other 90% of your data—data that is inactive—on disk.

Simplify IT and Reduce Costs

Oracle brings you application-engineered storage solutions that are co-engineered with Oracle Database and Oracle Applications to optimize performance and efficiency. Oracle FS1 is the only SAN storage solution to support Oracle Hybrid Columnar Compression, which enables you to compress the size of your Oracle Database by 10x-50x, reduce storage requirements by up to 90%, and speed queries by up to 5x.

And to streamline IT operations, the Oracle FS1 comes with predefined application profiles that provide tuned and tested out-of-the-box storage optimization for Oracle Database and key enterprise applications. This enables one-click provisioning for easy deployments with a minimum of administration.

ORACLE FS1 KEY BENEFITS

- Deliver performance gains of up to 5x while reducing storage costs by up to 75 percent.
- Support 24/7 operations with no single point of failure and rapid failover.
- Efficiently consolidate legacy SAN storage systems with QoS Plus intelligent data tiering and Storage Domains.
- Simplify IT and reduce management costs by reducing storage footprint and automating many administrative tasks.
- Streamline management with application profiles that provide tuned and tested out-of-the-box storage optimization, enabling one-click provisioning of Oracle Database and key enterprise applications.
- Leverage Storage Domains for highly secure multitenancy for cloud and IT as a Service environments.
- Reduce risks by using a storage solution that has been engineered and tested to work together with Oracle Database and Oracle Applications.
Meet Higher SLAs Within Budgets

With Oracle FS1 you can confidently consolidate your various legacy SAN storage systems into one robust platform so you can meet your SLAs cost-effectively. QoS Plus technology and Storage Domains (see sidebar) enable predictable performance for your critical applications—even in a consolidated environment. Consolidating storage with Oracle FS1 can help lower operational expenses by reducing costs for management, power, cooling, and space.

Support Cloud and Traditional IT

By running Oracle Database with Oracle storage, you are preparing your IT infrastructure for delivery of cloud services, Oracle Database 12c is designed for the cloud with a new multitenant architecture that simplifies consolidation and delivers high density schema-based consolidation. Oracle FS1 works with Oracle Database 12c to maximize the benefits of cloud services through storage efficiency and performance optimizations.

Storage Domains in the Oracle FS1 make it an ideal platform for private, hybrid, and public clouds. In addition to enabling predictable performance for multiple diverse workloads, they can help satisfy regulatory compliance requirements and simplify chargeback models.

Oracle’s complete cloud lifecycle management solution, Oracle Enterprise Manager, also enables you to quickly set up, manage, and support enterprise clouds as well as traditional Oracle IT environments.

Reduce Risk

As an enterprise-grade SAN storage with high availability features, including no single point of failure and rapid failover, Oracle FS1 is essential for keeping your business running 24/7. Its consolidation capabilities enable you to reduce the number of integration points in your data center, which results in lower complexity as well as lower operational cost and risk. By optimizing data placement and automating the storage provisioning for Oracle Database and key enterprise applications, it can also help reduce human error.

Oracle FS1 has been co-developed, tested and tuned to work together with the Oracle stack, helping you avoid the typical challenges in getting a multi-vendor environment up and running and maintaining it over time. In addition, one phone call to Oracle gets you support for the entire stack, eliminating the need to trace issues to a specific system component before calling for support.

Learn More

For more information about Oracle storage solutions for Oracle Database visit http://www.oracle.com/storage/ or call +1.800.ORACLE1 to speak to an Oracle representative.