Microsoft® SQL Server® 2008
Fast Track Data Warehouse

SQL Server Fast Track Data Warehouse accelerates your data warehouse roadmap with new scalable reference architectures for SQL Server 2008 Enterprise. Reduce costs, save time and reduce risk with reliable, Reference Architectures and best practices for warehousing.

KEY FEATURES

- Accelerate your data warehouse roadmap with new reference configurations

- Reduce hardware testing and tuning with better Data Warehouse performance out-of-the-box

- Scale from 4 up to 48 terabytes using compression capabilities in SQL Server 2008 Enterprise

- Enjoy a lower cost of ownership through better price performance, rapid deployment and industry-standard hardware

- Choose from industry-standard hardware from Dell, HP, Bull, IBM, EMC and other leading vendors

- Choose the right performance, scalability and pricing to suit your business needs

- Take advantage of rigorously developed best practices

Scale up your warehouse on SQL Server 2008 Enterprise with SQL Server Fast Track Data Warehouse. Deploy a high performance, enterprise-class warehouse – up to 48 terabytes – without the high cost of traditional systems.

Reduce data warehousing costs while improving performance out-of-the box. A SQL Server Fast Track Data Warehouse consists of:

- Pre-configured servers, storage and networking, specifically balanced and optimized for warehousing
- SQL Server 2008 Enterprise for a scalable enterprise data warehouse platform

FASTER TIME TO VALUE

Deploy a high-performance warehouse faster. Fast Track Data Warehouse hardware is tested for Data Warehousing which eliminates guesswork and is designed to save you months of configuration, setup, testing and tuning.

- Buy all the hardware you need from just one vendor – servers, storage and networking

- Speed up creation or migration of data warehouses
- Enable business units to build dedicated symmetric multi-processing (SMP) data warehouses on a standard platform

ENTERPRISE DATA WAREHOUSING AT LOW COST

Fast Track Data Warehouses enable you to build Enterprise Data Warehouses at low cost, thanks to SQL Server 2008 Enterprise and industry-standard hardware. Deployment is accelerated and the level of maintenance effort is predictable.

- Select from different levels of performance, scalability and price to suit specific business needs.
- Choose from two, four or eight processor configurations
- Implement an enterprise-class solution for less than one-third the price of a comparable Oracle system

RAISING THE BAR ON PERFORMANCE AND SCALABILITY

Fast Track Data Warehouse customers enjoy better performance out-of-the-box with less effort because solutions are optimized for Data Warehousing.

What distinguishes a Fast Track Data Warehouse from a typical online transaction processing (OLTP) database is that all components – from CPU to disk - are balanced for online analytical processing (OLAP), with a primary emphasis on eliminating potential performance bottlenecks.

Optimized for sequential IO rather than random IO, each Fast Track Data Warehouse is designed to provide up to 200 MB/s per CPU core. This offers similar performance at less than a fifth of the price of other leading Vendors. Using Microsoft's technical guidance and best practices, Data Warehouse managers and DBAs can expect their data warehouses to deploy smoothly and perform consistently and predictably.

A BETTER APPROACH TO DATA WAREHOUSING

Fast Track Data Warehouse solutions are designed with a rigorous, holistic approach to data warehousing. Using best practices on Windows® configuration and SQL Server database management they help customers to build Data Warehouses that offer predictable performance.

The Fast Track approach derives its strength not only from consistent, reliable hardware, but also from the advanced data warehouse enhancements included in SQL Server 2008 Enterprise such as compression, parallel partitioning and star join query optimization.

An updated best-practices methodology provides implementers with step-by-step technical guidance to lay data out for improved performance. This new Fast Track methodology improves the data warehouse team's agility and responsiveness by enabling rapid deployment and advanced tuning techniques.

- Customize to suit your unique workload and performance requirements
- Enhance performance, scalability and manageability through data warehousing enhancements in SQL Server 2008 Enterprise
- Build, tune and deploy with confidence using established data warehouse best practices

LOOKING AHEAD

Fast Track Data Warehouses offer a solid roadmap to large-scale enterprise data warehousing on SQL Server. Data warehouses built on Fast Track configurations today can be fully integrated SMP "spokes" in a hub-and-spoke architecture. As your data grows to hundreds of terabytes, your Fast Track data warehouse can become part of a scale-out solution on SQL Server 2008 R2 Parallel DW (previously codenamed Project "Madison").

Additional Information

For more information about the SQL Server Fast Track Data Warehouse, visit www.microsoft.com/fasttrack.

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