

# Power Your Business with Microsoft SQL Server Fast Track Data Warehouse on Cisco Unified Computing System

Brochure  
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The speed at which an organization gathers and uses business intelligence governs how well it can adapt to rapidly changing business conditions, surpass competitors, and maintain profitability.

With Cisco Unified Computing System™ and Microsoft SQL Server 2008 Release 2 (R2), organizations now have a choice that helps them migrate, deploy, and scale more rapidly, adapt more quickly, outperform competitors, and reduce total cost of ownership (TCO).

## Choices Available Only from Cisco

Microsoft SQL Server is gaining importance as a critical tool for enterprises and midsize companies to gather business intelligence. The Cisco® reference configuration for SQL Server Fast Track Data Warehouse for scale-up data warehousing empowers customers with choices only Cisco can offer. It employs industry-standard rack-mount servers that can be configured as standalone devices or as part of the Cisco Unified Computing System. It supports both native and virtualized environments. The result is excellent performance, easy and speedy deployment, agility, and a solution that customers can deploy with confidence.

## Built with Cisco Servers

The Cisco Unified Computing System begins with industry-standard x86-architecture servers powered by Intel® Xeon® processors (Figure 1). Optional Cisco Extended Memory Technology gives customers flexibility to increase consolidation ratios or store more content in main memory to speed performance.



## Simplified Deployment and Management

Cisco unites the Cisco Unified Computing System with a high-bandwidth, low-latency, virtualization-aware unified network fabric that carries all server I/O over a single set of cables to access either Fibre Channel or network-attached storage from industry leaders such as EMC and NetApp. The system uses unified, model-based management to automatically deploy servers with click-of-the-mouse simplicity. Cisco service profiles speed system deployment and scaling while eliminating configuration errors that can cause downtime.

## Benefits That Affect Revenue

The solution brings important benefits to customers, including:

- Rapid migration, deployment, and scalability
- Increased consolidation ratios when running in virtualized environments
- Management scalability
- Advanced security at every infrastructure level
- Infrastructure that is ready to grow to meet future business needs

## Deploy with Confidence

Cisco backs the SQL Server Fast Track Data Warehouse with rigorous testing, integration expertise, and deployment services.

### Proven Technology

The Microsoft Fast Track Data Warehouse program puts proven technology in the hands of data warehousing customers faster, with better out-of-the-box performance, and with less effort compared to traditional solutions. To make sure that vendors deliver on this promise, Microsoft requires completion of a comprehensive, automated testing suite to qualify solutions for the program.

### Flexible Storage Options

To increase customer flexibility, Cisco has partnered with leading storage vendors, including EMC and NetApp, to bring state-of-the-art, scalable storage systems to the solution.

### Backed by Cisco Reference Configuration

Cisco backs up this testing with a reference configuration and sizing guidelines that help organizations deploy and scale without the cost and risk of custom solutions. Using Cisco service profiles to configure servers, customers can use a template approach that reduces deployment time while helping ensure compliance with data center best practices and standards.



Figure 1. Cisco UCS C-Series Rack-Mount Servers

### Verified Track Record

Cisco has a history of delivering high-performance Microsoft SQL Server solutions running in bare-metal and virtualized environments, proven by independent testing laboratories.

### Accelerate Deployment with Cisco Services

Cisco offers professional and technical services to help accelerate deployment and optimize data warehouse infrastructure solutions. These services are designed to assist in planning, design, and implementation of the database infrastructure to accelerate time to value and reduce risk. Cisco award-winning global technical support services help increase uptime, resolve issues quickly, and optimize solution performance.

### Comprehensive, Trusted Platform

The SQL Server Fast Track Data Warehouse solution employs a comprehensive, trusted, intelligent platform to help customers gain a competitive advantage by using existing

administration staff and complying with data center policies and best practices, all leading to reduced TCO.

### Commitment to Microsoft

Cisco is excited to speed adoption of its industry-leading innovations as part of the SQL Server Fast Track Data Warehouse program. This program is one in a growing list of Microsoft applications that Cisco has pretested, validated, and backed with Cisco Validated Designs—Microsoft Exchange 2010 with Microsoft Windows Server 2008 R2 Hyper-V, Microsoft SharePoint, and virtual desktops with Microsoft virtualization—all running on the Cisco Unified Computing System.

As you plan your organization's move to Microsoft SQL Server 2008 R2, consider optimizing your investment with some of the best technology that the industry has to offer: Cisco.

### For More Information

To learn more about the SQL Server Fast Track Data Warehouse solution, visit [www.cisco.com/go/microsoft](http://www.cisco.com/go/microsoft).



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