Microsoft® SQL Server™ 2005

More solutions.
More value.
More reasons to buy.

Microsoft®
Windows Server System®

Microsoft® SQL Server™ 2005 is a next-generation data management and analysis solution. A solution that helps organizations deliver increased value to their business by decreasing the amount of effort required to maintain reliable systems, increasing the speed of software development, and enabling them to fully leverage their information assets. It's nothing less than a database revolution whose five years of development effort enables SQL Server 2005 to support some of the most demanding systems in the world.

SQL SERVER 2005 ENTERPRISE EDITION

A fully integrated data management and analysis platform for customers deploying business-critical enterprise systems in complex heterogeneous environments.

SQL SERVER 2005 STANDARD EDITION

An integrated data management and analysis platform for departments and medium-sized businesses.

SQL SERVER 2005 WORKGROUP EDITION

The easy-to-use and affordable database for workgroup applications, small businesses, and front-end Web database servers.

ADDITIONAL SQL SERVER 2005 PRODUCTS

Express, Developer, and Mobile Editions of SQL Server that provide developers with specialized capabilities.

SQL SERVER 2005:
A REVOLUTION IN DATA MANAGEMENT AND ANALYSIS.

Over the past ten years, Microsoft SQL Server has grown its install base from 1 percent to 39 percent and is world leading in terms of units sold.

More and more enterprises around the world are turning to SQL Server to run their mission-critical applications. In many cases, these enterprises are moving from Oracle or IBM databases and from other platforms, such as mainframes or UNIX, to take advantage of the total cost of ownership and productivity benefits they enjoy with SQL Server and Microsoft Windows Server System™.

With SQL Server 2005, we are doing even more to support mission-critical systems by providing reduced application downtime, increased scalability and performance, and tight security controls that enable SQL Server 2005 to support the most demanding systems in the world.

Your customers will want SQL Server 2005 because it improves on SQL Server 2000 in three important ways:

- **Reduces the cost and complexity** of building, deploying, and managing enterprise database applications through a comprehensive, familiar, and productive data management and analysis platform.
- **Delivers a faster return on information** through integrated and comprehensive business intelligence functionality.
- **Increases support for mission-critical systems** through advanced availability and scalability functionality.

FIVE YEARS IN THE MAKING—FOR GOOD REASON.

SQL Server 2005 represents the result of three major Microsoft initiatives. First and foremost, we greatly expanded our ability to support large-scale mission-critical workloads. Second, we created deep integration between SQL Server and Microsoft® Visual Studio® to cut development cost and time. Third, made major enhancements to our already market-leading business intelligence platform.

While many vendors would have rolled out this functionality incrementally in a number of different releases, we realize that approach would have meant we wouldn't have been able to provide the current level of functionality for the next three to four years. Instead, we seized the opportunity to outpace our competition in terms of developer productivity, extend our lead in business intelligence, and achieve equality in terms of mission-critical support.

BETTER TOGETHER:
SQL SERVER™ 2005 AND
VISUAL STUDIO® 2005

Separately, SQL Server 2005 and Visual Studio 2005 are exceptional data management and analysis platform and development tools. But together, they help businesses unleash the potential and power of their data. With both SQL Server 2005 and Visual Studio 2005, businesses get:

• **HIGH PRODUCTIVITY** through a platform and tools that reduce management and development time, helping developers and IT professionals deliver more business value faster.

• **GREATER BUSINESS INSIGHT** through an integrated business intelligence platform and tools that will enable organizations to take advantage of new growth opportunities and make better business decisions.

• **MISSION-CRITICAL ABILITIES** for efficiently delivering and operating the most demanding mission-critical systems.

IT decision makers to

- Reduce cost and complexity of database management
- Enable users to make better business decisions faster
- Deliver and operate the most demanding mission-critical applications, faster than ever

IT implementers to

- Build more robust applications using integrated business intelligence functionality
- Communicate and collaborate more effectively through the Microsoft Visual Studio Team System and gain better predictability of the software life cycle
- Depend upon a faster and more secure platform for building data-driven solutions by using the SQL Server Common Language Runtime and the Microsoft .NET Framework 2.0

Developers to

- Be more productive in building data-driven and business process automation solutions within a team environment
- Take advantage of existing data and business processes in new ways using integrated business intelligence
- Depend on the performance, scalability, and reliability of the .NET Framework 2.0

BUSINESS INTELLIGENCE

WHAT IS BUSINESS INTELLIGENCE?

When we talk about "turning data into smart decisions," we're talking about vital tools, applications, and technologies that enable business intelligence. Traditionally, business intelligence has been the domain of IT and marketing research specialists who extract data, process it, and deliver reports to an executive-level decision maker. But today, organizations of all sizes refer to business intelligence as the technology that powers both strategic and operational solutions that span reporting, analytics, scorecards, executive dashboards, data visualization, and performance management.

Microsoft's integrated platform for business intelligence provides the building blocks for end-to-end solutions that help organizations gain vital knowledge from their strategic, tactical, and operational data.

Created to deliver the right information to the right people at the right time by using a powerful data management and analysis platform along with familiar front-end tools, the Microsoft business intelligence solution provides:

- **REAL-TIME BUSINESS INSIGHT**

- **ROBUST REPORTING AND ANALYTICS**

- **ANYTIME, ANYWHERE ACCESS TO BUSINESS DATA**

- **A FASTER RETURN ON INFORMATION**

The SQL Server 2005 business intelligence toolset delivers end-to-end business intelligence application integration:

DESIGN

Business Intelligence Development Studio is the first integrated development environment designed for the business intelligence developer. Built on Visual Studio 2005, the Business Intelligence Development Studio delivers a rich, integrated, professional development platform for business intelligence system developers. Debugging, source control, and script and code development are available for all components of the business intelligence platform.

INTEGRATE

SQL Server Integration Services (SSIS) has been rewritten to perform complex data integration, transformation, and synthesis at high speed for very large data volumes. The Business Intelligence Development Studio makes building and debugging packages positively fun. Integration Services, Analysis Services, and Reporting Services work together to present a seamless view of data from heterogeneous sources.
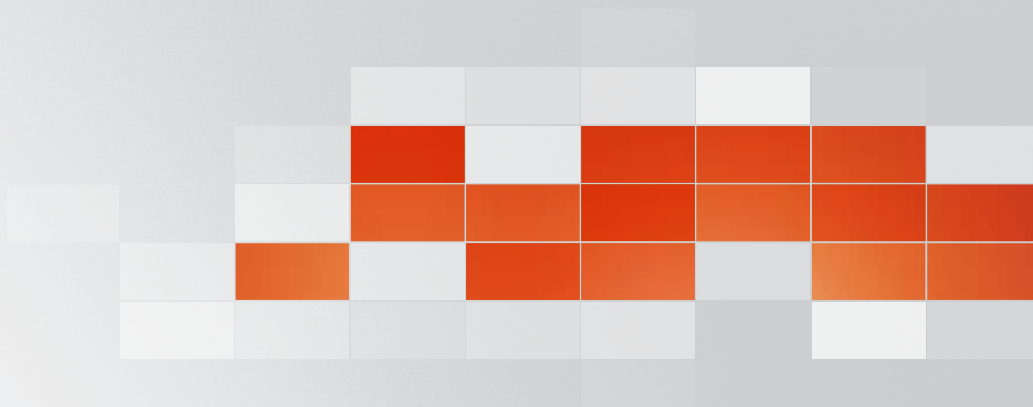
MANAGE

SQL Server Management Studio integrates the management of all SQL Server 2005 components. Business intelligence practitioners will benefit from Microsoft's extension of the server abilities you expect from the relational engine—scalability, reliability, availability, programmability, and so on—to the full set of business intelligence platform components.

ANALYZE

Microsoft Data Mining has always been easy to use. Now it's even better with the addition of important new algorithms, including Association Rules, Time Series, Regression Trees, Sequence Clustering, Neural Network, and Naïve Bayes. SQL Server 2005 blurs the lines between relational and multidimensional databases. You can store data in the relational database, in the multidimensional database, or use the new Proactive Cache feature to get the best of both worlds. Important new analytical capabilities have been added to Analysis Services cubes as well: these include a Key Performance Indicator (KPI) framework, MDX scripts, and other built-in advanced business analytics. The Reporting Services report delivery and management framework enables easy distribution of complex analytics to the widest-possible audience.

REPORT

Reporting Services extends the Microsoft business intelligence platform to reach the business user who needs to consume the analysis. Reporting Services is an enterprise managed reporting environment, embedded and managed via Web services. Reports can be personalized and delivered in a variety of formats, with a range of interactivity and printing options. Complex analyses can reach a broad audience through the distribution of reports as a data source for downstream business intelligence. New with SQL Server 2005 is the reporting tool, Report Builder.

"[For Townsend Analytics,] as an online trading operation, high performance, reliability, and security are mandatory requirements. In our experiences with the beta version, SQL Server 2005 has met our performance demands and provided critical security enhancements. At Townsend Analytics, we are continually trying to improve customer satisfaction through increased profitability and reliability. We are very excited about the security enhancements and high availability we've seen in SQL Server 2005, as this will directly help us provide greater value to our customers."

Jim Holt, Director of Server Development
Townsend Analytics

A fully integrated data management and analysis platform for business-critical enterprise applications:

SQL Server 2005 Enterprise Edition

SQL Server 2005 Enterprise Edition scales to the performance levels required to support the largest enterprise online transaction processing (OLTP), highly complex data analysis, data warehousing systems, and Web sites. Its comprehensive business intelligence and analytics capabilities and its high-availability features, such as failover clustering and database mirroring, allow it to handle the most critical enterprise workloads.

SQL Server Enterprise Edition is the most comprehensive edition of SQL Server and is ideal for the largest organizations and the most complex requirements.

And, unlike our competitors, SQL Server 2005 doesn't rely on add-ons—everything your customers need is already built in. This full database solution includes manageability, high availability, and business intelligence features. It also includes the ability for customers to run multicore. In fact, in 2004, Microsoft was the first database vendor to announce that its servers will cost the same per processor, no matter how many cores are in the processor, and it continues to be an industry leaderin providing a cost-effective database solution.

Microsoft®
SQL Server™ 2005
Enterprise Edition

PRODUCT DESCRIPTION

SQL Server 2005 Enterprise Edition offers advanced enterprise data management, developer productivity, and business intelligence tools to meet the needs of mission-critical applications. Significant advancements in high availability technologies have been made, including new advanced database mirroring functionality, online operations that allow maintenance with stopping the database, and fast recovery to allow organizations to build and deploy highly reliable applications.

SQL Server 2005 Enterprise Edition provides:

- **Analytical and enterprise reporting capabilities** to deliver business insights to all levels of your organization.

- **Out-of-the-box robust scalability, high availability, and advanced business intelligence features.**

- **The most competitively priced and comprehensive** enterprise solution available.

KEY FEATURES

1 Unlimited scale and partitioning means there are no limits of CPUs, RAM, or database size, and includes support for multicore processors

2 Advanced database mirroring with fast failover and automatic client redirection for high availability

3 Advanced analysis tools enable organizations to more easily integrate and analyze data from multiple heterogeneous information sources

4 Customized, high-scale enterprise reporting provides enterprises the ability to transform information into better business decisions at all organizational levels

5 Advanced SQL Server Integration Services include data mining, text mining, and data cleansing, and Oracle Replication, which allows replication with an Oracle database as a publisher

TARGET CUSTOMERS ARE THOSE WHO:

- Demand high availability

- Require complete online and parallel operations

- Run large ERP and business intelligence workloads

- Have complex and growing requirements for analytics, ad hoc reporting, and integration with multiple data sources

- Are looking to consolidate across a single platform (see facing page on SQL Server 2005 Consolidation)

CONSOLIDATION ON SQL SERVER 2005

Many organizations have multiple data storage and management platforms, suites, and tools, including relational databases; multidimensional online analytical processing (OLAP) databases; data replication technologies; extract, transform, and load (ETL) tools; data mining products; and notification engines. This results in software complexity for the customer, increased costs for dedicated servers, and training costs for different development and operational skill sets. By consolidating on SQL Server 2005, your customers will benefit by:

- Concentrating hardware tools and personnel resources around a unified platform.

- Decreasing the number of servers needed, increasing the customer's ability to manage their environment.

- Increasing efficiency through powerful tools that focus on overall productivity for the developer, administrator, and end user.

- Leveraging the integrated innovation of Microsoft software that provides easy and familiar tools across the platform and front-end Microsoft Office System.

- Reducing maintenance through self-tuning functionality, rapid deployment features, product interoperability, and a strong support community.

"Hardware and software consolidations are becoming more and more important while demands are increasing to get faster control over information and process flows. With its rich out-of-the-box functionality, SQL Server 2005 has helped Sandvik Coromant respond to those business needs in a fast and efficient way."

Patrik Sköld, Enterprise Architect, Tooling IT Architectures
Sandvik Coromant

"Around here, complex workloads, sophisticated data analysis, and high avail-ability are givens. SQL Server 2005 Enterprise Edition addresses requirements such as those with advanced features like unlimited scale and partitioning, advanced database mirroring, complete online and parallel operations, and advanced analysis tools—including full OLAP and data mining."

EXAMPLE BUSINESS SITUATION

Company Y needed to improve its sales forecasting system, which relied on a manual process that was both time-consuming and labor-intensive, resulting in high costs and lost business opportunities.

SOLUTION

The company automated its forecasting by implementing a multi-terabyte data warehouse along with a Business Performance Management (BPM) solution for real-time analysis and reporting based on SQL Server 2005, Office System, and a third-party business performance application.

BENEFITS

- Cut report management time by 98 percent

- Saved $540,000 by automating forecasts

- Projected annual savings of $4 million to $5 million

SOFTWARE AND SERVICES

- Microsoft Office Business Scorecard Manager 2005

- Microsoft Office Excel® 2003

- Microsoft Office Professional Edition 2003

- Microsoft Office SharePoint® Portal Server 2003

- SQL Server 2005 (Integration Services, Analysis Services, and Reporting Services with Report Builder)

- Microsoft Visual Studio .NET 2003

EXAMPLE BUSINESS SITUATION

Company X needed a cost-effective business intelligence solution with comprehensive reports that were easy for users to access and simple for the development group to maintain.
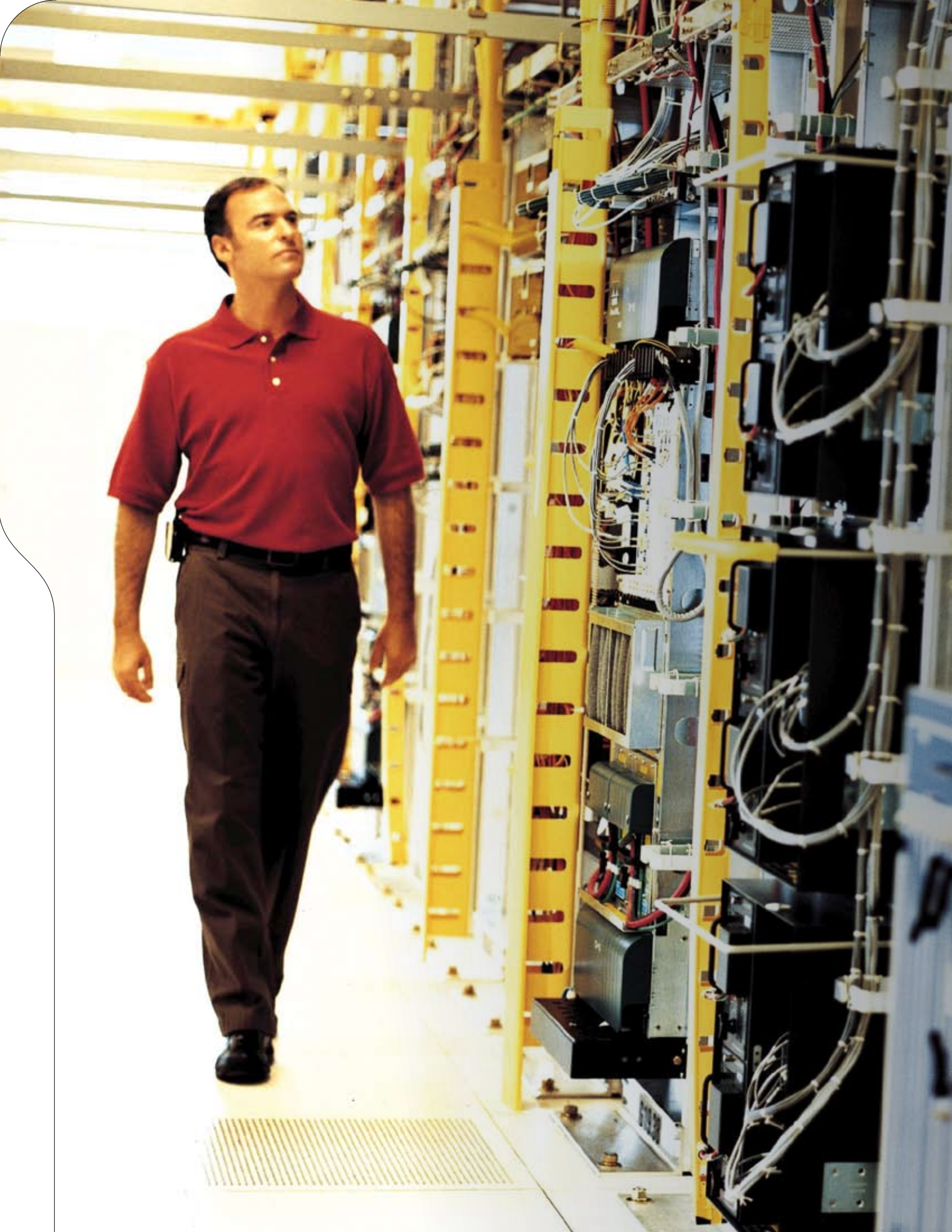
SOLUTION DESCRIPTION

The company developed and created reports generated from the SQL Server 2005 data warehouse. Users access these standardized reports through SharePoint Portal Server 2003.

BENEFITS

- Improves quality of reports

- Decreases time to create and maintain reports by 75 percent

- Extends the reach of reporting throughout the enterprise

- Increases user productivity

SOFTWARE AND SERVICES

- Microsoft Active Directory®

- Excel 2003

- Office Professional Edition 2003

- SharePoint Portal Server 2003

- SQL Server 2005 (SSIS, SSRS)

- Visual Studio .NET 2003

The integrated data management and analysis platform for medium businesses and large departments.
SQL Server 2005 Standard Edition

SQL Server 2005 Standard Edition is a complete data management and analysis platform designed for medium-sized businesses, departments, and infrastructures that require highly available systems.

We've improved Standard Edition by adding 64-bit support, high-availability features such as clustering and database mirroring, and new business intelligence functionality such as Report Builder.

Standard Edition also offers enhanced business intelligence functionality with SQL Server Integration Services, SQL Server Analysis Services, and SQL Server Reporting Services.

Microsoft®
SQL Server™ 2005
Standard Edition

PRODUCT DESCRIPTION

SQL Server 2005 Standard Edition is Microsoft's next-generation data management and analysis solution that will deliver increased security, scalability, and availability to enterprise data and analytical applications while making them easier to create, deploy, and manage.

Building on the strengths of SQL Server 2000, SQL Server 2005 will provide an integrated data management and analysis solution that will help organizations of any size to:

- **Build and deploy enterprise applications** that are more secure, scalable, and reliable.

- **Maximize the productivity of IT** by reducing the complexity of creating, deploying, and managing database applications.

- **Empower developers** through a rich, flexible, modern development environment for creating more secure database applications.

- **Share data across multiple platforms, applications, and devices** to make it easier to connect internal and external systems.

- **Deliver robust, integrated business intelligence solutions** that help drive informed business decisions and increase productivity across their entire organization.

- **Control costs** without sacrificing performance, availability, or scalability.

KEY FEATURES

1 Supports up to four CPUs and unlimited RAM, with support for 64-bit processors

2 Database mirroring with fast failover and automatic client redirection

3 Analysis Services and Reporting Services with data mining

4 Full Replication and SSB Publishing

5 New Integration Services with Basic Transforms provide graphical extract, transform, and load (ETL) capabilities

TARGET CUSTOMERS ARE THOSE WHO:

- Are a mid-sized business or large department that requires a data warehouse

- Have line-of-business applications

- Require business intelligence functionality

- Do not have mission-critical requirements or ERP systems, which should run on SQL Server 2005 Enterprise Edition

QUESTIONS TO ASK YOUR CUSTOMERS:

- How critical is anytime, anywhere data access for your employees?

- Would you be interested in increasing the performance of your datacenter while decreasing the number of servers you have to manage?

- Does your company run complex ERP systems or compute-intensive business intelligence workloads?
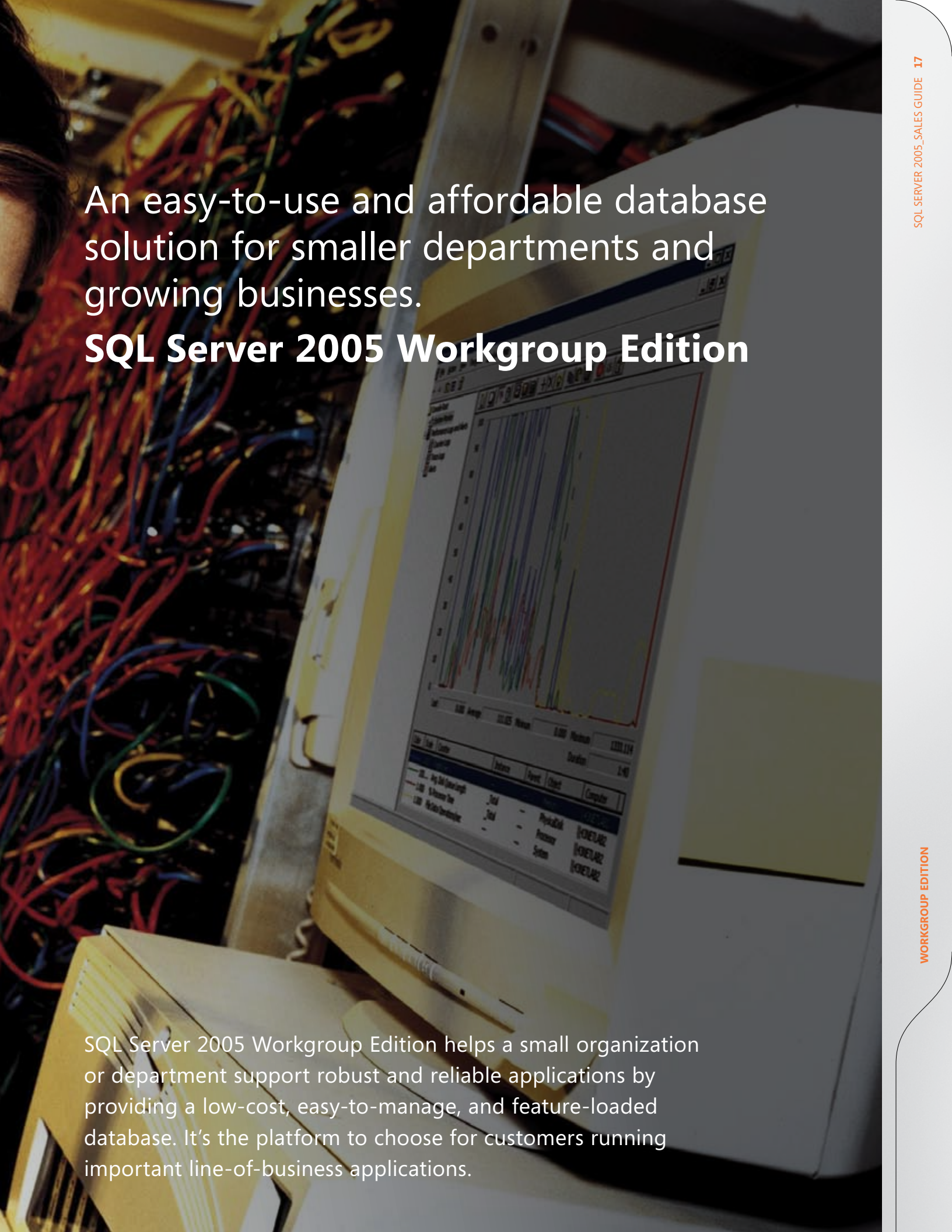
WHEN SQL SERVER 2005 ENTERPRISE EDITION IS A BETTER CHOICE THAN SQL SERVER 2005 STANDARD EDITION

Customers deploying the following types of applications should deploy on SQL Server 2005 Enterprise Edition when their organizations require:

- **High scale or large data volumes.** SQL Server Enterprise Edition supports more than four CPUs and partitioning, which enables management of large data volumes.

- **High availability.** Online operations and fast recovery decrease both your planned and unplanned downtime. In addition, Fast Redo ensures that the customer database is available when undo operations begin.

- **Advanced reporting.** Infinite drilldown with Report Builder allows you to find the detailed information that you need quickly. Deliver customized reports to your users leveraging data-driven subscriptions. Leverage Web farms to scale reports to thousands of users.

- **Data warehousing generation.** SQL Server Integration Services, which includes advanced transforms in SQL Server Enterprise Edition.

"We've grown to the point where we need additional database functionality. SQL Server 2005 Standard Edition gives us exactly what we need, such as business intelligence tools that include enhanced Integration Services, Analysis Services, and Reporting Services."

An easy-to-use and affordable database solution for smaller departments and growing businesses.

SQL Server 2005 Workgroup Edition

SQL Server 2005 Workgroup Edition helps a small organization or department support robust and reliable applications by providing a low-cost, easy-to-manage, and feature-loaded database. It's the platform to choose for customers running important line-of-business applications.

Microsoft® SQL Server™ 2005
Workgroup Edition

PRODUCT DESCRIPTION

SQL Server 2005 Workgroup Edition is the newest member of the SQL Server family. Designed to provide a fast and easy-to-use database solution, it is the ideal choice for small and medium-sized organizations that have outgrown SQL Server 2005 Express Edition and are looking for an affordable full-size database. It provides basic database functionality and installs on servers with up to two processors and up to 2 GB of memory. There is no limit to the size of the database itself.

SQL Server 2005 Workgroup Edition enables users to:

- **Support robust and reliable applications** by providing a low-cost, easy-to-manage, and feature-loaded database.

- **Install, manage, and operate with ease,** using built-in management and administration management tools.

- **Dynamically tune database parameters** to respond to changing usage characteristics, easing the workload on smaller organizations.

- **Deploy at smaller branch and remote locations,** which can take advantage of a robust local data store with no limitations on database size or connections.

- **Take advantage of automated tuning and management and automated patching and servicing** to deploy and support SQL Server Workgroup Edition in the farthest reaches of the organization.

- **Quickly develop dynamic, robust, integrated applications,** thanks to integration with Visual Studio and the .NET Framework.

KEY FEATURES

1. Supports up to two CPUs and 3 GB RAM

2. Management Studio, a full management platform that includes Business Intelligence Development Studio; Auto-Tuning, which automatically tunes the database for optimal performance; and Full-Text Search

3. Import/Export enables users to bring data into and out of SQL Server from external data sources

4. Limited Replication Publishing enables users to implement merge, snapshot, and transactional replication with publish and subscribe capability for distributing data

5. Backup Log-shipping provides a data backup and recovery solution

TARGET CUSTOMERS ARE THOSE WHO:

- Are small or mid-sized organizations that have line-of-business applications

- Have branch or remote office locations where a full local database is needed

- Require local data stores that exceed the limits and scale of MSDE

WHEN SQL SERVER 2005 STANDARD EDITION IS A BETTER CHOICE THAN SQL SERVER 2005 WORKGROUP EDITION

Customers deploying the following types of applications should deploy on SQL Server 2005 Workgroup Edition when their organizations require:

- **Additional scale or volume.** SQL Server Standard Edition supports four CPUs, there is no limit on database size, and it can scale to 64-bit.

- **Business intelligence reporting.** SQL Server Standard Edition includes enhanced business intelligence functionality, including Analysis Services and data mining technologies.

- **Increased availability.** SQL Server Standard Edition includes database mirroring with fast failover and automatic client redirection and failover clustering.

- **Programmability.** SQL Server Standard Edition includes Notification Services, which allows the building of advanced subscription and publication applications.

SQL SERVER 2005 WORKGROUP EDITION: KEY COMPARISONS TO SQL SERVER 2005 EXPRESS EDITION

The free SQL Server 2005 Express Edition enables novice developers and organizations to deploy simple database applications. Here are some ways to determine if your customer should consider SQL Server 2005 Workgroup Edition:

- **Does your customer require a larger database then 4 GB?** If yes, they should acquire SQL Server Workgroup Edition, which allows for 2 CPUs, 3 GB RAM, and an unlimited database size.

- **Is their organization affected if they lose data?** If yes, they should consider Workgroup Edition, which provides a data backup and recovery solution called Backup Log-shipping.

- **Do they want to manage their database?** If yes, SQL Server Workgroup Edition allows for full management of the platform, including the Business Intelligence Development Studio.

"As our requirements have gotten more and more demanding, we realized we need an affordable, full-size database. SQL Server 2005 Workgroup Edition gives us everything we need—even a Management Studio that helps us manage and administer our database environment."

Microsoft®
SQL Server™ 2005
Express Edition

PRODUCT DESCRIPTION

SQL Server 2005 Express Edition is a free and redistributable version of the SQL Server 2005 database engine. It offers the fastest way for novice developers to learn, develop, and deploy small footprint, data-driven applications.

SQL Server Express Edition is designed to be easy to install and set up and simple to use and manage. And, because it's tightly integrated with the SQL Server 2005 Reporting Services controls included in Visual Studio 2005, it allows developers to easily create sophisticated reports that include tables, charts, and graphics.

SQL Server Express Edition is an easy way for customers and partners to get started with SQL Server 2005. Partners can even embed and redistribute SQL Server Express Edition with their applications.

KEY FEATURES

1 A no-cost solution that supports a single CPU, 1 GB RAM, and databases up to 4 GB

2 Simple Management Tool enables SQL Server Express Edition to easily plug into most enterprise management environments, with support for both Active Directory and Windows® Management Instrumentation

3 Report Wizard and Report Controls allow developers to easily create sophisticated reports that include tables, charts, and graphics

4 Replication and SSB Client

TARGET CUSTOMER

- Novice developers
- Larger enterprise companies looking to dedicate smaller databases to developer projects

Microsoft®
SQL Server™ 2005
Developer Edition

PRODUCT DESCRIPTION

SQL Server 2005 Developer Edition is used by programmers developing applications that use SQL Server 2005 as their data store. Although SQL Server Developer Edition supports all the features of SQL Server Enterprise Edition that allow developers to write and test applications that can use the features, SQL Server Developer Edition is licensed for use only as a development and test system, not a production server.

Microsoft®
SQL Server™ 2005
Mobile Edition

PRODUCT DESCRIPTION

SQL Server 2005 Mobile Edition (Microsoft Windows Mobile™ –based device), the next release of SQL Server Windows CE Edition (SQL Server CE), is a mobile database solution designed for developers who target Windows Mobile–based devices.

NEW FEATURES AND ENHANCEMENTS PLANNED FOR SQL SERVER MOBILE EDITION WILL FOCUS ON THE FOLLOWING KEY AREAS:

- Integration with SQL Server 2005, the next release of SQL Server, and Visual Studio 2005 (formerly code-named "Whidbey"), the next release of Visual Studio .NET

- Increased reliability and performance

- Faster development of mobile applications

SQL Server Mobile Edition will include the largest number of new and improved features in any version of SQL Server CE since the original version, SQL Server CE 1.0.

Feature	Express	Workgroup	Standard	Enterprise	Comments
SCALABILITY AND PERFORMANCE					
Number of CPUs	1	2	4	No Limit	Includes support for multicore processors
RAM	1 GB	3 GB	No Limit-64bit	No Limit-64bit	Includes support for multicore processors
Database Size	4 GB	No Limit	No Limit	No Limit	
Partitioning					Support for large-scale databases
HIGH AVAILABILITY					
Database Mirroring			● [1]	●	Advanced high-availability solution that includes fast failover and automatic client redirection
Failover Clustering			● [2]	●	
Backup Log-shipping		●	●	●	Data backup and recovery solution
Online Indexing				●	
Online Page and File Restore				●	
Fast Redo				●	Database available when undo operations begin
MANAGEABILITY					
Management Studio; Full Text Search; SQL Agent Job Scheduling Service		●	●	●	Full management platform for SQL Server; includes Business Intelligence Development Studio
SECURITY					
Advanced Auditing, Authentication, and Authorization; Data Encryption and Key Management	●	●	●	●	Built-in data encryption for advanced data security
PROGRAMMABILITY					
CLR; User-defined Types; Native XML	●	●	●	●	
Notification Services			●	●	Allows the building of advanced subscription and publication applications
Service Broker	● [3]	●	●	●	
INTEGRATION AND INTEROPERABILITY					
Integration Services with Basic Transforms			●	●	Provides graphical extract, transform, and load (ETL) capabilities
Integration Services with Advanced Transforms				●	Includes data mining, text mining, and data cleansing
Oracle Replication				●	Transactional replication with an Oracle database as a publisher
BUSINESS INTELLIGENCE					
Report Server	●	●	●	●	
Report Builder		●	●	●	End-user reporting tool
Reporting Data Sources	● [4]	● [4]	●	●	
Scale Out Report Servers				●	
Data-Driven Subscriptions				●	
Infinite Clickthrough				●	
Analysis Services			●	●	Powerful analytics and data mining capabilities
Proactive Caching				●	Provides automated caching for greater scalability and performance
Data Mining			●	●	Nine algorithms
Text Mining				●	

[1] *Single REDO thread and the safety setting is always on;* [2] *Supports only two nodes;* [3] *Subscriber only;* [4] *Publish up to 25 subscribers*

PRICING LICENSING FAQ:

HOW DO YOU CHOOSE BETWEEN THE PER PROCESSOR AND THE SERVER/CAL PRICING MODELS?

In general, there are three options for licensing SQL Server in a production environment:

- Processor license. Requires a single license for each CPU in the operating system instance running SQL Server. If you have made a processor inaccessible to all operating system copies on which the SQL Server software is set up to run, you do not need a software license for that processor. This license does not require any device or user Client Access Licenses (CALs).

- Server plus device CALs. Requires a license for the device or user running SQL Server, as well as a CAL for each client device.

- Server plus user CALs. Requires a license for the computer running SQL Server, as well as a CAL for each user.

The considerations for choosing between Per Processor licensing and Server / CAL are the following:

- For externally focused server applications. Processor licensing is sometimes a better choice for externally focused server applications, such as Internet and extranet scenarios. Typically, counting devices or users in these scenarios is difficult, so hardware-based pricing could be more straightforward.

- For mixed-use servers. For mixed-use servers that will be accessed from both inside and outside the organization's firewall by a large number of users, Processor licensing is generally favorable. Because the Processor licenses are probably needed for external users, there would be no need to purchase access separately for internal users through CALs.

- For environments inside the firewall. For environments inside the firewall where client-to-server processor ratios are low, the Server plus device CAL licensing model will likely be the more cost-effective choice if there are multiple users per device (for example, in a call center), while the Server plus user CAL licensing model will likely be more cost-effective if there are multiple devices per user. For environments inside the firewall where client-to-server processor ratios are high, the Processor licensing model will likely be more cost-effective.

CAN MY CUSTOMER USE WORKGROUP CALS WITH STANDARD OR ENTERPRISE EDITION?

No. Workgroup CALs can only be used with Workgroup Edition. SQL Server CALs can be used with either Standard or Enterprise Editions.

WILL SQL SERVER 2005 BE INCLUDED IN SMALL BUSINESS SERVER?

Yes. SQL Server 2005 will be part of the new release of Small Business Server, and can only be used in accordance with Small Business Server's licensing guidelines. Small Business Server is limited to one physical server and is recommended for organizations with fewer than 50 PCs. SQL Server Standard Edition is included in Small Business Server Premium Edition. Upgrades require Software Assurance.

DOES MY CUSTOMER HAVE TO PAY PER CORE?

In contrast to competition, last year Microsoft announced a new multicore licensing policy in which it continues to reduce enterprise computing costs by licensing the processor, not the core, for Microsoft software currently licensed on a per-processor basis. In other words, licensing requirements for per-processor software will be determined by the number of processors, not the cores.

Website Resources

www.microsoft.com/sql2005

Microsoft®

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