SAP Solution Brief
SAP Technology

SAP Sybase Adaptive Server Enterprise

Get Rock-Solid, Ultrafast Performance at Low Cost for SAP® Business Suite

Quick Facts

Summary

Extreme transaction processing systems must support tens of thousands of concurrent users with ultrafast, non-stop performance on cost-effective standards-based platforms. SAP® Sybase® Adaptive Server® Enterprise does all this and more – and is now optimized for SAP Business Suite applications.

Business Challenges

- Support a high volume of transactions for mission-critical applications
- Guarantee data security and integrity
- Keep maintenance and administrative costs low
- Minimize support risks and simplify system administration
- Ensure continuous high availability
- Protect current IT investments and provide a road map to future technology adoption

Key Features

- **High performance** – Gain predictability, consistency, and scalability for your applications
- **Efficient resource utilization** – Reduce storage requirements for relational and unstructured data with data compression technology
- **Simplified administration** – Use integrated administration tools to simplify database monitoring, management, and maintenance
- **Disaster recovery** – Automatic failover to warm standby site with integrated replication functionality

Business Benefits

- **Protect critical data** during planned and unplanned downtime
- **Millions of transactions per minute** on large and growing databases
- **Low total cost of ownership** through efficient use of storage, processor, and staff resources
- **Applications and database optimized to work together** and managed from a single interface
- **Synchronized product release cycles** that avoid unnecessary upgrades and save on support costs
- **Simplified business and deployment planning** with a single vendor for database, applications, and support
- **Integration with the full suite of SAP products**, including the SAP HANA® platform, delivering unprecedented value and a real-time platform for next-generation applications

For More Information

To learn more, call SAP or visit www.sap.com/ase.

If businesses are to create and sustain a competitive advantage in the face of exponential data growth, their data management systems must address key challenges in the areas of performance, reliability, and efficiency. SAP® Sybase® Adaptive Server® Enterprise (SAP Sybase ASE) offers SAP customers a high-performance database platform optimized for SAP Business Suite applications that will help improve operational efficiency and significantly reduce overall costs.

RUN BETTER WITH SAP BUSINESS SUITE ON SAP SYBASE ASE

In 2010 SAP acquired Sybase. Right away, an integrated team of company engineers set to work optimizing Adaptive Server Enterprise, the Sybase relational database management system, for SAP Business Suite. Today the integration is complete, and SAP Business Suite applications running on SAP Sybase ASE are generally available. They offer significant efficiency gains and a lower total operational cost while minimizing customers' support headaches through synchronized product release cycles and a single source for customer service and support.

SAP Sybase ASE boasts over 30,000 customers, including 90% of the world's banks and security firms. These companies trust SAP Sybase ASE to keep their mission-critical systems up and running. Appreciating its low total cost of ownership (TCO), rock-solid reliability, and superior performance, SAP Sybase ASE customers give the product stellar satisfaction ratings. SAP Business Suite already enables businesses to run better. Now SAP Sybase ASE provides the best price-performance transactional database for SAP Business Suite, enabling your SAP applications to run at higher levels than ever before.

MISSION-CRITICAL DATA MANAGEMENT

SAP Sybase ASE is a world-class transaction-processing database that enables demanding IT environments to achieve millions of transactions per minute with terabyte-sized databases while maintaining rapid growth rates in data and transaction volumes. SAP Sybase ASE helps organizations avoid costly, disastrous disruptions such as system failures or stolen data, and it protects against common threats to IT systems by providing data security, system stability, and disaster recovery. SAP Sybase Replication Server® works with SAP Business Suite running on SAP Sybase ASE to provide an integrated, highly available environment for operation at full speed while mission-critical application data is synchronized continuously to a warm standby system. Real-time failover capability ensures near-zero downtime during system disruptions such as database upgrades, hardware failure, power outages, natural disasters, or human error, increasing the uptime and resilience of SAP applications running on SAP Sybase ASE.

LOWEST OVERALL COSTS OF LEADING DATABASE SYSTEMS

Long-term cost factors are often overlooked when running a relational database management system (RDBMS). According to a recent Sybase-sponsored report by IDC, firms should regularly assess the total cost of ownership of their major database applications including hardware, software, and staff time, as well as opportunity costs due to poor performance and other issues. IDC

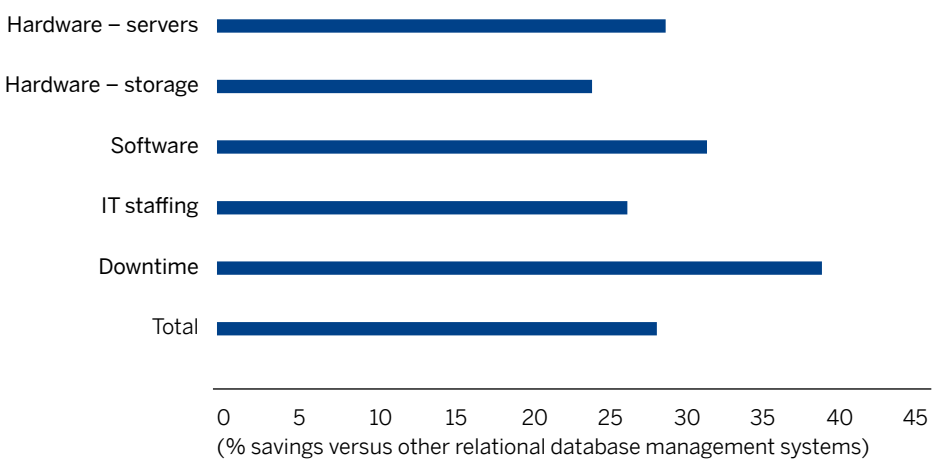
SAP Sybase ASE offers your organization a high-performance database optimized for SAP Business Suite that will help improve operational efficiency and reduce overall costs.

studied the total costs of 12 database sites that were using both SAP Sybase ASE and one or more other vendors' RDBMS products, and it compared the SAP Sybase ASE costs with those of the other vendors' RDBMSs on a case-by-case basis. In the report, IDC found that SAP Sybase ASE total costs were 28% less than the total costs of the other relational databases. Additionally, SAP Sybase ASE installations were more efficient than other systems, requiring 24% less storage capacity and running on 29% less server processor power. And overall, SAP Sybase ASE required 26% fewer IT staff resources.[1] As illustrated in the figure, SAP Sybase ASE includes a number of features that help control costs by enabling the system to be a stingy user of hardware resources, making it easier to optimize operations with a minimum of staff, and providing maintenance that is augmented by a direct connection to SAP support.

OPTIMIZED FOR SAP APPLICATIONS

With SAP Sybase ASE powering your SAP Business Suite applications, you can benefit from software and a database that have been jointly developed, tested, and tuned to work smoothly together. Each and every release is assured to be optimized and production ready. Implementation is straightforward with automated setup and configuration of the database and application. A database administrator cockpit – a single interface for managing both application and database – reduces the complexity of running your systems and allows you to keep a watchful eye on all your application and database operations. In addition, SAP Sybase ASE provides optimized integration with other SAP solutions and technologies like the SAP HANA® platform, allowing you to transform existing business processes with game-changing applications that leverage the power of in-memory computing.

Figure: SAP® Sybase® ASE Five-Year Savings per 100 Users
Five-year savings per 100 users = US$128,580



Source: IDC, October 2011

BLOOR RESEARCH REPORT

In a recent report, Bloor Research concluded that "Sybase is significantly superior to Oracle with respect to total cost of ownership."[2]
According to the Bloor Research report, compared to Oracle, SAP® Sybase® Adaptive Server® Enterprise:

- Proves more economical in over 85% of measurements of total cost of ownership
- Is 28% lower in licensing fees
- Requires 32% fewer database administrators
- Is 32% lower in support costs

And thanks to SAP Rapid Deployment solutions, you can quickly take advantage of these benefits with a smooth and rapid migration to SAP Sybase ASE. SAP Rapid Deployment solutions help you migrate to SAP Sybase ASE in as little as five weeks. This streamlines the implementation process, bringing together software, best practices, and services to help you quickly migrate a test system from any SAP-supported database to SAP Sybase ASE. And there's more good news: SAP Sybase ASE supports all major server landscapes – including hardware with 64-bit Intel Itanium processors – which means you can safeguard and continue to use your existing IT investments.

SIMPLIFIED MAINTENANCE AND SUPPORT

SAP Sybase ASE has always had a reputation of providing superior support – shown by the very high satisfaction rating it receives in customer surveys, as mentioned earlier. Now, with support for and development of your SAP Business Suite applications running on SAP Sybase ASE coming from a single source, you can trust that any issues that arise will be resolved expeditiously. What's more, you can avoid unnecessary upgrades with synchronized product release cycles and lifecycle and maintenance policies, and save on staffing and support costs as a result.

www.sap.com/contactsap

CMP18411 (13/08)
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BUSINESS BENEFITS ADD UP

SAP Sybase ASE offers both new and existing SAP customers a high-performance database platform optimized for SAP Business Suite that helps improve operational efficiency and significantly reduce overall costs. With SAP Sybase ASE, your business can achieve millions of transactions per minute on large and growing databases while maintaining the lowest possible TCO through efficient use of storage, processor, and staff resources. Disaster recovery functionality provided by SAP Sybase Replication Server helps ensure continuous availability during planned and unplanned downtime, for a near-zero downtime environment.

Synchronized product release cycles avoid unnecessary upgrades and save on support costs, while rapid-deployment solutions get you up and running quickly. And integration with other SAP products, such as SAP HANA, provides game-changing database technology that delivers unprecedented value by leveraging evolving processor, memory, storage, and network technologies to provide a real-time platform for next-generation applications.

FIND OUT MORE

For more information on SAP Sybase ASE optimized for SAP Business Suite, visit www.sap.com/ase.

FOOTNOTES

1. IDC white paper, sponsored by Sybase, *Calculating the True Cost of RDBMS Ownership and How Sybase ASE Stacks Up: A Guide for SAP Business Suite Users*, December 2011, www.sybase.com/files/White_Papers/Sybase_IDC_Calculating_the_true_cost_of_RDBMS.pdf.
2. Bloor Research white paper, *Sybase ASE Total Cost of Ownership: A Comparison to Oracle*, September 2011, /www.sybase.com/files/White_Papers/SYBASE_ASE_Bloor_Research_TCO_vs_Oracle.pdf.

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