

InterBase® SMP

The Highly Scalable, Powerful, Embeddable Database


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TECHNOLOGIES**

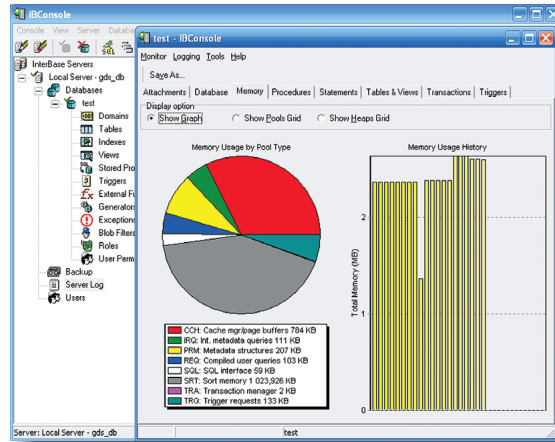

InterBase® SMP 2009 combines the high performance of a multi-generational architecture with peace of mind of log-based journaling and disaster recovery. New security and encryption features provide enhanced data protection.

Easy installation, a small footprint, automatic crash recovery, self-tuning, Unicode, built-in SMP support, SQL 92 compliance, and low maintenance make InterBase SMP 2009 the ideal database for embedded and business-critical small to medium enterprise (SME) server applications.

- Enhance enterprise productivity
- Embed easily without compromising
- Scales as your enterprise grows
- Support multiple connectivity options

ENHANCE ENTERPRISE PRODUCTIVITY

When performance matters, InterBase SMP is one of the fastest native databases available. Using its built-in symmetric multiprocessing (SMP), it scales to multiple CPUs, including multi-core CPUs. Performance enhancements and optimizations have been added in a number of areas, such as batch updates, query optimizations, and OLTP improvement via journaling. InterBase SMP lets you implement a multi-generational architecture. This helps you provide unique versioning capabilities that result in high data availability for transaction-processing users and decision-support users – simultaneously.



The IBConsole graphical user interface, showing the Performance Monitor, monitors multiple InterBase servers and databases

EMBED EASILY WITHOUT COMPROMISING

InterBase SMP combines simple installation and automatic crash recovery, with a self-tuning engine that makes it well-suited for embedding. It's ideal for ISVs, OEMs, and VARs who require a database that is compact in memory and disk size but without compromising sophisticated features to support high-powered, business-critical applications. And, unlike many other enterprise databases that require expensive ecosystems of support and maintenance, InterBase SMP is virtually maintenance-free.

ENABLE CHANGES AS YOUR ENTERPRISE GROWS

The portable, international, cross-platform database is certified to run without modification on Windows®, Linux, Solaris™, and Mac OS®X. This enables you to deploy to a wide variety of platforms without having to rewrite code. The database is fully portable between platforms, and also between InterBase SMP Desktop Edition to InterBase SMP Server Edition, allowing for flexible deployment. InterBase SMP To-Go features a small footprint (less than 2MB) that gives Windows developers the ultimate flexibility to include an embedded, highly reliable SQL compliant, transactional database.

SUPPORT MULTIPLE CONNECTIVITY OPTIONS

Developers using CodeGear RAD Studio including Delphi® and C++Builder®, as well as JBuilder®, 3rdRail™, and other tools can leverage a wide range of standard database connectivity choices through ODBC, JDBC, ADO.NET, and IBX. Transaction monitoring facilities provide you with granular database controls for viewing, starting, stopping, and rolling back transactions, processes, and queries. InterBase, compliant with SQL92 standards, offers triggers, stored procedures, and views, as well as advanced concepts such as domains and event alerters.

PRODUCT EDITIONS

Server Edition

- Perfect for high-powered, cost-effective business-critical server applications in small-to-medium enterprises.

Desktop Edition

- An ideal embedded database for broad, cost-effective deployments that lack IT support and administration resources.

To-Go Edition

- Provides the benefits of InterBase in an extremely small footprint.

Developer Edition

- The best option for developers working across platforms.

Related Products

Delphi®

The fastest way to build native Windows applications.

C++Builder®

RAD visual development meets C++ power.

JBuilder®

The fastest way to develop enterprise Java™ applications.

3rdRail™

The fastest way to build Ruby on Rails™ web applications.

Embarcadero® All-Access™

Instant access to the languages, tools, and technologies to design, build, and run your software applications and database systems.

Feature	Description
Interbase SMP	
Over-the-Wire (OTW) Encryption	Encrypts the data as well as any other communications (commands, etc.) between servers and clients New
Database and Column-Level Encryption	Encrypts a database and/or individual columns in a database New
To-Go Edition	Is a small, portable version of the Desktop Edition. Target applications for the To-Go Edition include small devices and public kiosks, as well as Value Added Reseller (VAR) and OEM applications that were built using InterBase. New
Built-in SMP Support	Gives you high performance on multiple CPU systems including multi-core CPUs
Journaling with Write Ahead Logging (WAL)	Improves VLDB management, OLTP performance, and facilitates disaster recovery. Only available with Server Edition.
Journal Archiving	Provides disaster recovery in the event a database becomes unavailable due to hardware or software failures that may make the primary database permanently inaccessible. Only available with Server Edition.
Point-in-Time-Recovery	Allows journal based recovery based on timestamp for greater recovery flexibility. Only available with Server Edition.
Incremental Backup	Backup databases between maintenance sessions
Batch Updates	Allow you to send a group of SQL statements, reducing the network traffic, resulting in improved performance, especially in LAN and WAN environments
Blob/Text SQL Syntax Enhancements	Supports use of BLOBs and VARCHAR data interchangeably, even in stored procedures
Extended International Character Support	Supports character sets via Unicode UCS-2 and UTF-8
Concurrent Running	Enables multiple instances of InterBase® to run on the same machine simultaneously for application isolation and load balancing
Global Temporary Tables	Allows you to implement the functionality of SQL global temporary tables to significantly ease application development
Embedded Database User Authentication	Enables isolated user authentication for unrelated applications
Hyperthreading Support	Allows Intel® Pentium® 4 and Intel Xeon® processors to take advantage of virtual processors
Support for the SQL99 SAVEPOINT portability	Supports Windows®, Linux, and Java™, with complete database portability
Performance Monitoring	Includes an enhanced, more intuitive IBConsole user interface. Only available with Server Edition.
Multigenerational Architecture	Enables unparalleled concurrency between readers and writers
Native Multi-Threaded Server	Provides background garbage collection and multi-user page buffer management
Active Database functions for extensible query support	Includes modular triggers and event alerts, user-defined functions for extensible query support
Stored Procedures	Encapsulates business logic on server for reduced network traffic

System Requirements

Interbase SMP 2009 Server Edition:

- 32 MB RAM
- 20/35 MB hard disk space for compact/full install
- CD-ROM drive

Processor:

- Microsoft® Windows® and Linux: Intel® x86
- Sun Solaris™: SPARC
- Macintosh: Intel

Windows:

- Microsoft® Windows Vista™ (requires administrator rights)
- Microsoft® Windows Server® 2003 and 2008
- Windows® 2000 (SP4)
- Microsoft® Windows® XP (SP2)

Macintosh:

- Mac OS®/X 10.5

Linux:

- Red Hat Enterprise Linux 4 and 5
- SuSE Linux 10

Solaris™:

- Sun™ Solaris 10

JDBC™:

- JDK™ 1.2, 1.3, 1.4, J2SE™ 5, Java™ SE 6, JDBC Type 4 Driver (this applies to Server Edition and Desktop Edition)

Download a Free Trial at www.embarcadero.com

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