Adaptive Server Anywhere v9.0

Full Featured, Small Footprint, SQL Database

Adaptive Server® Anywhere provides unmatched reliability and power, with rich enterprise functionality including full transaction processing, referential integrity, SQL and Java stored procedures, triggers, row-level locking, automatic event scheduling and automatic recovery.

Easy to Use, Easy to Administer
Adaptive Server Anywhere is self-administering and self-tuning, requiring minimal DBA involvement. SQL Anywhere Studio also includes enhanced graphical development tools – including a query editor, integrated stored procedure debugger, profiler, and synchronization monitoring tool – to provide developers with faster, easier access to information. In addition, sophisticated event handling and scheduling capabilities enable DBAs to set up an Adaptive Server Anywhere server to execute a set of actions at predefined times or when certain events occur, such as the disk reaching 90% capacity.

Performance and Scalability
Adaptive Server Anywhere is designed to offer strong out-of-the-box performance. A high performance, self-tuning query optimizer determines the most effective way to access information, improving performance and eliminating the need for expert tuning. Symmetric multiprocessor (SMP) support and innovative new query processing algorithms speed performance for larger, complex queries and greater numbers of connected users, further optimizing SQL Anywhere Studio for use in enterprise environments. The Index Consultant provides administrators and developers with an easy-to-use way of optimizing performance by guiding them through the selection of appropriate indexes.

True End-to-End Security
SQL Anywhere Studio includes 128-bit strong encryption options, resulting in true end-to-end security that meets the needs of customers in privacy-conscious industries such as healthcare and financial services. Communications encryption protects the confidentiality and integrity of packets as they pass between the client device and the server, or data synchronization communication between the remote device and enterprise system. Strong local data encryption and user authentication requirements protect information even if the device is lost.

Multi-Platform Support
SQL Anywhere Studio supports a wide range of operating systems, including Windows (32 or 64 bit), Mac OS X, Netware, a range of UNIX variants and Linux (32 or 64 bit) and popular handheld platforms such as Microsoft Windows CE and the Palm Computing Platform to provide the highest flexibility in deployment. Adaptive Server Anywhere database files are binary compatible, enabling developers to simply copy the database to multiple operating systems.

Open API and Tools Support
Adaptive Server Anywhere supports many standards for easy, high-performance data access including ADO.NET, SOAP, XML, OLE DB, ODBC, JDBC™, Sybase OpenClient™ and Embedded SQL for high-performance data access. Using the UltraLite™ technology, developers can use Visual Basic, Java, .NET languages or JScript for data access on handheld devices and intelligent appliances. With support for all leading development tools and environments, including Java, Sybase PowerBuilder®, Microsoft Visual Basic, Visual C++ and Visual Studio .NET, AppForge MobileVB, Symantec Visual Cafe, Borland Delphi and Metrowerks CodeWarrior, SQL Anywhere Studio lets you leverage your existing investments in development skills and tools.

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System Requirements and Supported Platforms

Windows 95/98/Me, NT, 2000, XP, 2003*

Novell NetWare (Requires NetWare 5.1 with SP6 or higher or NetWare 6.0 with SP3 or higher)

Client/Server Communications Protocols

TCP/IP

Novell NetWare SPX

Shared memory

Named Pipes

SQL Compliance

Entry-level ANSI SQL 92 + extensions

With minor exceptions is compliant with SQL-99 core specifications

Transact-SQL® (TSQL)

FIPS 127-2 conformance

Database Features

Full transaction processing

SQL and Java triggers and stored procedures

External stored procedures (callable external DLLs)

Built-in referential and entity integrity, including cascading updates and deletes

Dynamic, multiple database support

Row-level locking

XML import and export and SQLX functionality*

Integrated HTTP server*

Strong encryption for database files and network communications

Event scheduling and handling

High-performance, self-tuning, cost-based query optimizer

Advanced query execution algorithms

Dynamic cache sizing

Binary Large Object (BLOB) support

Windows Performance Monitor integration

Online table and index defragmentation

Online backup

Advanced cache management system*

Database Statistics

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Databases per server: 255

Database size: limited only by memory, disk space and platform restrictions

Characters per database object name: 128

Table Statistics

Indexes per table: up to 2048

Table size: limited only by file size

Tables per database: up to 4 billion

Columns per table: 999

Field size: 2 GB

Rows per table: limited only by file size

Row size: limited by file size