

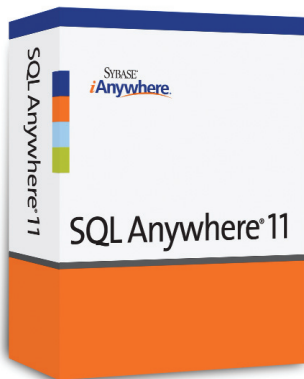
SQL ANYWHERE 11 FACTS

SQL ANYWHERE DEVELOPER EDITION

The Anywhere Developer Edition is offered at no charge for development and testing. It includes all of the features of the deployment version of Anywhere, and will not expire at any time. Download your copy at: www.sybase.com/sqlanywhere

iANYWHERE DEVELOPER COMMUNITY

Join fellow developers at the iAnywhere Developer Community Web site, your one-stop source for technical information to assist in the development and deployment of solutions for mobile, wireless, embedded and small to medium sized business environments. The community Web site provides a central point of access for technical resources, including maintenance releases, engineering bug fixes (EBFs), betas, evals, code samples and more. In addition, it provides a forum in which thousands of industry experts worldwide interact and share ideas through newsgroups, Webcasts and events. www.sqlanywhere.com/developer



SQL ANYWHERE SERVER

System Requirements and Supported Platforms

- Windows x86, x64
- Windows Mobile
- Linux x86, x64 and Itanium
- Sun Solaris SPARC and x86
- Mac OS X on Intel
- IBM AIX
- HP-UX Itanium
- Requires a minimum of 8 MB RAM and 4 KB per client connection (8 KB for UNIX)

Client/Server Communications Protocols

- TCP/IP
- Shared memory
- IPv6 support for Windows and Linux

Compliance

- Entry-level ANSI 92 + extensions
- With minor exceptions is compliant with -2003 core specifications
- Transact-SQL (TSQL)

Database Features

- Full transaction processing
- Built-in referential and entity integrity, including cascading updates and deletes
- Row-level locking
- High-performance, self-tuning, cost-based query optimizer
- Advanced query execution algorithms
- Dynamic cache sizing
- Materialized views
- Snapshot isolation
- Full text search*
- Column compression
- SQL and Java triggers and stored procedures
- External ESQL, ODBC, Java, CLR(.Net)*, Perl* and PHP* stored procedures
- Binary Large Object (BLOB) support
- XML import and export and SQLX functionality
- Database mirroring and cluster support*
- Online table and index defragmentation
- Online backup
- Event scheduling and handling
- in-memory mode*
- Web service production and consumption
- Strong encryption for database files and network communications
- Table encryption, customizable auditing, password rules, SH256 hashing, Kerberos authentication
- FIPS 140-2 conformance
- Integrated HTTP server
- Remote Data access to other RDBMSs and file system

- On Line Analytical Processing (OLAP support)
- Internationalization features including NCHAR data type, accent sensibility, Unicode Collation Algorithm, and ICU Unicode support
- Windows Performance Monitor integration

Development Features

- Application profiling utilities
- Graphical schema design and reverse-engineering tools
- Graphical database management and browsing tools
- Graphical query plan viewer, query editor, integrated stored procedure debugger, profiler and synchronization monitoring tool
- Index Consultant
- Native data access through ADO.NET, OLE DB, ODBC 3.5/level 2, JDBC 3.0, Embedded and Sybase Open Client
- Broad programming tool support including Sybase PowerBuilder, Microsoft Visual Studio (including integrated SQL Anywhere Explorer), Sybase DataWindow.NET*, Borland Delphi, and many more
- Support for .NET 2.0 and later
- Broad programming language support including C#, VB.NET, C/C++, ASP, ASP.NET, JSP, Java, PHP and Perl DBD
- Advanced OLAP functionality including rollup, recursive union and index union and intersection*
- Accessibility support for people with disabilities in conformance with the US Federal Government Rehabilitation Act Section 508

Database Statistics

- 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: 45000
- Field size: 2 GB
- Rows per table: limited only by file size
- Row size: limited by file size

Stored Procedure and Trigger Statistics

- Max length of stored procedure: 2 GB
- Stored procedures per database: up to 4 billion
- Triggers per database: up to 4 billion
- Nesting: limited by disk space and server memory

ULTRALITE

Supported Platforms for Deployment

- Windows XP and Vista
- Windows Mobile 5.0 and later
- Palm OS 4.0 and later

Database Features

- Ultra-small database with a fingerprint as small as 300 KB for handheld devices and smart phones
- Built in synchronization client with background synch.*
- Strong data and communications stream encryption
- Transaction processing, referential integrity, multi-table joins, and UNION operations
- High-performance updates and retrievals through use of indexes and query plans
- Binary Large Object (BLOB) support
- Event notifications*

Database Statistics

- Database size: limited by available storage (max 2 GB)
- Row size: 16 KB, with additional space for BLOB data
- Table size: limited by database size
- Tables per database: limited only by device memory
- Rows per table: 16 million
- Columns per table: 65535
- Tables referenced per transaction: no limit

ULTRALITEJ

Supported Platforms for Deployment

- BlackBerry OS 4.1 and later
- J2SE

Database Features

- 400 KB COD file for BlackBerry smartphones
- 600 KB JAR file for J2SE
- Built-in synchronization client
- Background synchronization
- Transaction processing
- Multi-column indexes

SQL support

- INSERT, UPDATE, DELETE, SELECT statements
- Multi-table joins
- Subqueries
- A wide range of SQL functions
- Aggregate functions
- GROUP BY clause
- UNION operation

SYNCHRONIZATION

MobiLink Features

- Reliable, bidirectional synchronization between remote and enterprise systems including SQL Anywhere, Sybase Adaptive Server Enterprise, Oracle, Microsoft Server, IBM DB2, MySQL* application servers, ERP systems and Web services
- Wizard-based synchronization configurations
- Remote support for both SQL Anywhere and UltraLite databases
- Multiple synchronization and network server-based protocols including TCP/IP, HTTP, HTTPS, Palm HotSync, Microsoft ActiveSync
- End to end encryption
- Optional strong 128-bit encryption for synchronization communication, including SSL/TLS using RSA encryption compatible with HTTP server
- Advanced conflict detection and programmable Resolution
- High-Availability option for MobiLink server farms*
- Relay server for secure communications through web servers
- Optimized for wireless synchronization
- Scalable to support thousands of remote databases from a single MobiLink server
- Support for horizontal and vertical subsetting of data
- Priority-based synchronization of multiple subsets of data
- File transfer
- Server-initiated synchronization and notifications
- Broadcast downloads for bandwidth efficiency
- Embeddable synchronization logic using Java or Microsoft Visual Studio .NET• Flexible user authentication logic
- API for C++ and .Net applications to launch and monitor synchronization

SQL REMOTE FEATURES

- Reliable, bidirectional message-based synchronization
- Multiple synchronization and network protocols including FTP, file-based, email (VIM,MAPI, SMTP)
- Advanced conflict detection and programmable resolution
- Support for wireless synchronization
- Scalable to support thousands of remote databases
- Support for horizontal and vertical sub-setting of data
- Support for SQL Anywhere databases

APPLICATION MESSAGING

QAnywhere Features

- Comprehensive messaging API provides a powerful and flexible programming model for building mobile messaging applications
- Transmission rules optimize the performance, cost, and bandwidth of message delivery
- Reliable and efficient message delivery with compression and transactional capabilities
- Secure message storage and transmission
- Push notification of messages waiting to be delivered
- Connectors to back-end JMS-based enterprise systems
- Mobile Web services support

* Denotes new feature or significant enhancement with version 11.

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