Microsoft® SQL Server® 2008 Express

Microsoft

TOP NEW FEATURES

- Free for development and production for developers, organizations and ISVs

- Built on the SQL Server 2008 Database Engine

- Scalable to other SQL Server editions, including SQL Server Standard or Enterprise

- Supports stored procedures, triggers, functions, and views

- Supports SQL Server Service Broker and Replication

- Store all kinds of business data with native support for relational data, XML, FILESTREAM and spatial data.

- Improved performance, usability, visualization, in addition to integration with the Microsoft 2007 Office System in SQL Server Reporting Services

- Simplify development efforts by leveraging existing T-SQL skills, ADO.NET Entity Framework and LINQ

- Develop applications faster with deep integration with Visual Studio ® 2008

- Full integration with SQL Server Management Studio

- Help ensure compliance with system policies and simplify management with Policy-Based Management.

- Three versions of SQL Server 2008 Express to meet your needs

Microsoft® SQL Server® 2008 Express is a free edition of SQL Server ideal for learning, developing and powering desktop and small server applications and for redistribution by ISVs.

http://www.microsoft.com/sqlserver/2008/en/us/express.aspx

SQL Server Express includes powerful features, such as the SQL Server 2008 database engine, SQL Server 2008 Reporting Services, a server-based platform for creating and delivering traditional and interactive reports, and a graphical management tool, SQL Server 2008 Management Studio Express.

SQL Server Express utilizes 1 physical processor (including multiples cores), up to 1 GB memory, and up to 4 GB storage, offering powerful capabilities to support your application needs.

FREE

SQL Server Express is free for development and production for all users, including developers, ISVs, and organizations. Databases for SQL Server Express can be upgraded to paid versions of SQL Server, including SQL Server Standard or SQL Server Enterprise.

POWERFUL

Develop high-performance applications that take advantage of the security, reliability, and scalability of the SQL Server Database Engine.

Build robust applications

Create desktop and server applications by using advanced SQL Server features. Centralize business logic and increase application performance by using stored procedures, CLR integration, triggers and views. Build applications that dynamically respond to data changes by using query notification. Extend data to remote locations using SQL Server Service Broker and Replication.

Manage any type of data

Utilize all SQL Server data types, including support for structured and unstructured data.

- Store all kinds of business data with native support for relational data, XML and spatial data.

- Store and validate XML data and use XQuery to retrieve data.

- Increase the granularity of temporal data by using new data types such as DATE and TIME.

- Store large multimedia files on file systems as if stored in the database via FILESTREAM; files are not counted toward the 4G database size limit.

Map your data

Add geographical information to your business applications. Build location-aware applications by using the new spatial data capabilities in SQL Server 2008.

Deliver relevant information

Visualize your data by using SQL Server Reporting Services, included in SQL Server Express with Advanced Services. Create readable reports that help users answer complex questions and understand data. Enable users to share reports both internally and externally by using Microsoft Office Word and Microsoft Office Excel®.

PRODUCTIVE

Simplify development efforts by leveraging existing Transact-SQL skills and incorporating new technologies including ADO.NET Entity Framework and Language Integrated Query (LINQ). Develop applications faster with SQL Server Express deep integration with Visual Studio® 2008 designers and SQL Server Management Studio.

Leverage existing skills

Solve complex business and application needs with full support for programmatic Transact-SQL:

- Build intelligent data-access routines and capture business logic by using stored procedures and user-defined functions.
- Respond to user activity and data modifications with triggers.
- Improve performance with persistent query logic using views.

Accelerate development

Model your data by using the new ADO.NET Entity Framework to hide database schema details and access data by using entities that closely resemble business logic. Support for LINQ, including LINQ to SQL and LINQ to Entities, allows data to be retrieved from entities natively from any .NET language.

Improve developer productivity

Increase developer productivity and simplify deployment efforts by taking advantage of SQL Server Express deep integration with all editions of Visual Studio 2008:

- Rich table and query designers
- Full integration with Server Explorer
- Drag-and-drop IDE support for rapidly building data bound applications
- Easy ClickOnce deployment

Design with ease

Easily interact with SQL Server Express databases with SQL Server Management Studio integration:

- Connect to local SQL Server Express databases.
- Manage objects with full Object Explorer integration.
- Write, execute, and test queries by using visual query plans that provide hints to tune your queries.
- Access management and maintenance options.

FLEXIBLE

Access data from anywhere

Create occasionally connected applications that can function even when disconnected from the network. Create desktop applications that can automatically synchronize with a central database.

Simplify remote management

Manage your enterprise data infrastructure with Policy-based Management and apply policies to SQL Server Express instances. Reduce time spent on daily maintenance by defining common policies for database operations such as Query Optimizations, Naming Conventions, Backup and Restore operations and Index Management. Apply central policies to multiple servers for consistent management across the enterprise.

Synchronize corporate data

Keep data synchronized with subscriber support for SQL Server Transactional and Merge Replication. Utilize complex conflict resolution capabilities supported by SQL Server Express to build powerful business solutions.

Synchronize data automatically with SQL Server Express's support for change tracking and the Microsoft Sync Framework.

THREE VERISONS OF EXPRESS

SQL Server 2008 Express with Tools is the core version of Express to support development, including SQL Server 2008 Database Engine and SQL Server Management Studio Express.

Additional options for SQL Server 2008 Express are:

- **SQL Server 2008 Express with Advanced Services** builds upon SQL Server 200 Express with Tools and also includes Integrated Full-text Search and Reporting Services.
- **SQL Server 2008 Express** includes only the SQL Server Database Engine and is targeted for deployments and ISV redistribution.

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