

Synergy/DE Connectivity Series™
SQL Connection™

RDBMS Access for Synergy Applications

Open Third-Party Relational Databases to Synergy Applications

Access to corporate data is critical in today's business world. SQL Connection enables reliable high-performance access to business data by providing an open gateway to third-party relational database management systems (RDBMSs) from Synergy applications.

Offer RDBMS capabilities to your users

Based on standard SQL operations, the SQL Connection API enables you to easily create database-independent applications that use SQL statements to access data in a variety of RDBMSs and on a variety of platforms.

▶ CHALLENGE

Deliver quick, easy access to data in third-party databases.

▶ SOLUTION

SQL Connection provides an open gateway to third-party relational database management systems (RDBMSs) from Synergy applications.

▶ BENEFIT

Offer the powerful features of relational databases to your users.

PRODUCT HIGHLIGHTS

For developers:

- **Meet user requirements** for RDBMS capabilities
- **Increase revenue** by offering RDBMS solutions
- **Implement easily** with an API based on standard SQL operations
- **Troubleshoot quickly** with extensive operation and error logging
- **Comply with standards**, ensuring that your SQL Connection application will evolve with the industry
- **Choose your platform and database** —Access data on Windows, Unix (including Linux), or OpenVMS, and in Oracle, Microsoft SQL Server, and other databases

For users:

- Take advantage of **RDBMS capabilities**
- Get **high-performance access** to RDBMS data
- **Access data transparently**—you don't need to know which database you are accessing
- **Access data securely**

ABOUT SYNERGEX AND SYNERGY/DE

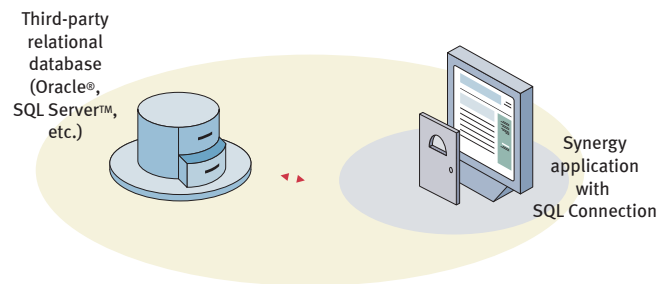
Synergex, with more than 28 years of experience in cross-platform application delivery, specializes in providing integrated enterprise solutions for the small- to mid-sized business market.

Our Synergy/DE development tools enable developers to productively build business suites that can seamlessly integrate with third-party applications and data and efficiently deploy into distributed environments, including the Internet. With a substantial presence in a multitude of vertical industries, Synergy/DE has a long track record backed by millions of end users worldwide.

Synergex offers both professional services and training to speed up your implementation process. The Synergex Professional Services Group can step into a project at any phase—conception through operation—and work with your team to define and/or successfully meet your specific project requirements. Visit www.synergex.com for comprehensive information on all of our products and services.

Supported Platforms

For SQL Connection, the Synergy application and the RDBMS data accessed can reside on Windows, Unix, or OpenVMS.



SQL Connection enables Synergy applications to access relational database management systems.

PRODUCT OVERVIEW

SQL Connection is a direct SQL application program interface (API) that enables Synergy applications to access relational database management systems (RDBMSs), such as Oracle and SQL Server. SQL Connection enables you to offer the powerful features of relational databases to your users.

SQL Connection includes

- A set of functions, based on standard SQL operations, that enable you to write database-independent code to access relational databases
- Database drivers, which provide the liaison between the databases and your Synergy applications
- SQL OpenNet, a server program that enables SQL Connection to work in a client/server configuration

SQL Connection has the following features:

- Ability to access relational databases, such as Oracle and SQL Server, from Synergy applications
- Ability to combine, compare, calculate, store, transact, commit, rollback, and perform all other standard SQL functions
- Conformance with ANSI-standard database communication methods: SQLCA and SQLDA (ANSI 89)
- Example programs that demonstrate how to use the SQL Connection functions
- Extensive error reporting and operation logging
- Optimized data access with features such as the ability to reuse cursors, built-in statement caching, stored procedures, and SQL pre-fetching
- Database independence—the same Synergy code can access multiple databases
- Automatic data-type conversion
- Binding of Synergy Language variables with database variables
- Ability to open up to seven concurrent database channels, to open multiple databases simultaneously, and/or to open the same database more than once in an application
- Ability to configure network communication with user name and password encryption, settings to adjust network traffic, read and write time-outs, and communication port number setting
- Access to local or remote data on Windows, Unix, and OpenVMS systems

SQL Connection supports access to the following database systems:

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|---------------------------|-------------------------------|
| • Synergy DBMS | • Sybase®* |
| • Oracle® | • Informix®* |
| • SQL Server (Microsoft®) | • ODBC-compliant databases* |
| • Oracle Rdb* | • OLE DB-compliant databases* |

* Support for these database systems may require assistance from Synergex Professional Services.