



Who is Synergex?

The short version: Synergex is the company that makes the programming language (and many other development tools) your company uses to develop their business applications. We're known for our excellent developer support, so don't be afraid to reach out to support@synergex.com if you run into any trouble using our products.

The long version: Founded in 1976, [Synergex International Corporation](#) delivers software development solutions to forward-thinking organizations spanning Fortune 100 companies to small businesses in diverse industries ranging from agronomy to welding. We provide software development consulting services, a programming language for enterprise application developers, and an extensive suite of development tools. We're passionately committed to our customers' success, making cutting-edge technologies accessible while enabling customers to leverage the established business logic in their industry-leading applications. Our comprehensive approach includes talented professional services consultants, highly flexible tools, and top-notch developer support. Today, hundreds of thousands of end-users at licensed sites across the globe are using Synergy/DE® products to improve their options and profitability.

What is Synergy?

The short version: Synergy DBL, sometimes shortened to Synergy or simply DBL, is the programming language that Synergex develops. You may also hear people refer to it as DIBOL (the language DBL was based on). Like most object-oriented or .NET-compatible languages, you can do pretty much anything with Synergy. (We've been around for a bit, so don't be surprised if you see some procedural code in legacy codebases.) The complete development environment—including a database, repository, and much more—is called Synergy/DE. Our super-fast database system is based on ISAM files, but if your company also uses a relational type database, you'll probably also need to familiarize yourself with our connectivity tools.

The long version: Synergy/DE is a full suite of software development tools that enables ISV and corporate IT application developers to create powerful, cross-platform, enterprise applications. Synergy/DE is built around Synergy DBL, a language designed for business that runs in multiple environments including .NET Core. Portable between Microsoft® Windows®, OpenVMS™, Linux® (Red Hat, Ubuntu, Fedora, SuSE, Debian, and CentOS), and Unix® (Oracle Solaris™ and IBM® AIX®), Synergy/DE enables rapid, reliable development of custom applications by giving developers flexibility in their choice of development and deployment platforms, databases, and integration with other technologies and applications.

Synergy has stayed compatible with software development trends, enabling customers' applications to remain future-proof. Our offerings include the following highlights:

Advancing Applications. Partnering for Success.

DEVELOPMENT TOOLS

Development tools enable developers to efficiently create sustainable, high-performance business applications. **Synergy DBL Integration for Visual Studio**, a plug-in for Microsoft's Visual Studio, enables developers to use the industry-leading Visual Studio development environment to create traditional Synergy applications and/or Synergy .NET applications (which run under the .NET Framework).

DATA ACCESS TOOLS

Remote data access tools enable developers to web-enable or add client/server capabilities to their applications. **xfServer**, a data server, provides access to remote Synergy data from Synergy applications.

DATABASE CONNECTIVITY

Database connectivity tools provide open access to business data. **xfODBC** offers easy access to Synergy DBMS data from third-party ODBC-enabled applications such as Microsoft Office® and Microsoft Power BI, while our SQL Connection API enables Synergy applications to access third-party relational databases such as Oracle®, Microsoft SQL Server™, and MySQL. Synergy maintains and continues to improve an open-source reference implementation that demonstrates exactly how to set this up.

RESTFUL WEB SERVICES

Representational State Transfer (REST) is an architectural style that defines a set of constraints and properties based on HTTP. Web services conforming to the REST style provide interoperability between computer systems on private networks and the internet. Whether you're building a desktop, server, web, or mobile app, **Harmony Core**, our open-source framework, provides the foundation of an environment in which Synergy developers can quickly and easily expose RESTful web services via APIs that expose their application data and business logic.

SYNERGY .NET

Synergy .NET enables customers to take full advantage of the complete .NET Framework, allowing companies to harness powerful UX tools and existing Synergy logic to produce dynamic desktop applications.

DATA SECURITY

Companies are responsible for ascertaining that the data their applications collect, transport, and store is managed in appropriately secure ways. Synergy/DE enables developers to ensure their application data is encrypted and secured when necessary. Synergy-based applications are capable of over-the-wire encryption with various Synergy client/server products as well as data-at-rest encryption for data in Synergy files.

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DISASTER RECOVERY

It is important for companies to have systems available for 24/7 computing. Synergy/DE provides business continuity and resiliency for hardware failure by enabling companies to create accurate backups of their data using our synbackup utility to coordinate file changes with the backup software. Synergy/DE also provides incremental data integrity options (with attendant performance penalties) that companies can utilize to reduce the downtime window on failure/failover when using redundant hardware.

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