SourcePro

Complete Enterprise C++ Development Library

SourcePro is a robust collection of proven cross-platform C++ tools that help reduce time-to-market, increase reliability, and extend the life of your applications. SourcePro includes C++ libraries, intuitive abstractions, threading modules, collection classes and containers, and can be expanded with networking, concurrency, and database connectivity.

SourcePro provides libraries and components that create an infrastructure layer for C++ that, on one hand, insulates developers from some of the complexities of the underlying platform, and on the other, gives them fine-grained control and low-level access. Developers choose the level of abstraction that they require.

SourcePro is backed by a world-class support team and professional services with the technical expertise for building stable, flexible, platform-independent applications. With SourcePro, development teams can create highly reliable, extremely portable, high-performance systems.

Reliable

- SourcePro has been battle-tested in thousands of applications over decades of use. Our own testing framework ensures that SourcePro provides a stable platform for user applications.

- Developers build their applications against our stable, backwards-compatible APIs. Even when the underlying platform capabilities change, we rewrite our components to take advantage of upgrades, insulating our users from changes that destabilize existing applications.
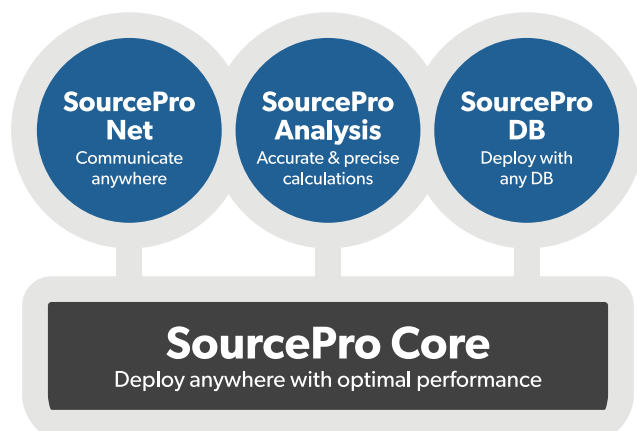
Portable and Migratable

- By writing against SourcePro APIs, developers don't get tied into vendor specific combinations of hardware, operating systems, and databases. Applications are easily ported to other platforms.

- Migrating applications written in SourcePro is much easier than migrating applications written directly against platform vendors' APIs. When new versions of operating systems or databases are released, we update our components for the new features, letting developers using SourcePro C++ concentrate on their business logic instead of worrying about platform changes.

High Performance

- SourcePro components incorporate advanced performance algorithms and caching to accelerate the performance of applications built on our framework.

- SourcePro provides constructs for threading abstractions and high performance containers.

SourcePro speeds up the initial development of an application and makes on-going maintenance much more straightforward. This results in software with a longer lifespan and lower maintenance costs than applications developed without SourcePro.

SourcePro consists of a primary core foundation, SourcePro Core, and three optional add-ons: SourcePro DB, SourcePro Net, and SourcePro Analysis.

SourcePro Net
Communicate anywhere

SourcePro Analysis
Accurate & precise calculations

SourcePro DB
Deploy with any DB

SourcePro Core
Deploy anywhere with optimal performance

SourcePro Core

SourcePro Core provides more than 500 fundamental C++ classes providing a solid foundation for any application. This wide array of classes handle many of the intricacies of the C++ language and provides a complete framework for the internationalization and localization of applications targeted for the global market.

SourcePro DB

SourcePro DB offers a layered architecture consisting of the database- independent interface module and a variety of database-specific access modules. This architecture allows developers to write programs that are reusable with multiple databases and frees them from having to understand many of the details associated with a particular database vendor's API. SourcePro DB provides direct access to Oracle, SAP ASE, DB2, Microsoft SQL Server, MySQL, MariaDB, and PostgreSQL. SourcePro DB also provides support for connecting over ODBC.

SourcePro Net

SourcePro Net simplifies the creation of secure or non-secure networked and Internet-enabled applications by handling the granular details of socket programming and Internet protocols, helping developers deliver quality applications on schedule. Its layered architecture lets them choose the right level of abstraction for an application, and either code with the most abstract layer for ease of use or access the protocol layer for fine control over critical details.

SourcePro Analysis

SourcePro Analysis contains a wide range of C++ components for solving mathematical problems in business and research. Developers can rely on the algorithms in SourcePro Analysis for accurate, precise calculations, allowing them to focus on building appropriate data models.

READY TO GET STARTED?

Learn more about SourcePro at
sourcepro.io