



# CASE STUDY: PROVIDENCE SOFTWARE SOLUTIONS, INC.

OLD WAVE. NEW WAVE. ROGUE WAVE.

*Rogue Wave® SourcePro® Core and SourcePro® DB enabled Providence Software Solutions, Inc. to provide high-performance, cross-database reusable components to its customers and facilitate support for multiple platforms and databases. Best of all, this solution made it possible for Providence to focus on its core competency to maintain its competitive edge.*

“Since 1997, Providence has used Rogue Wave® components to meet its C++ cross-platform needs. The reason why we continue to choose Rogue Wave Software is because they provide a robust technical solution that supports our business goals. Undoubtedly, the Rogue Wave solution is tried and true.”

**Don Hames**  
President and CEO  
Providence Software Solutions, Inc.

## PROVIDENCE SOFTWARE SOLUTIONS, INC. THE ORGANIZATION

Providence Software Solutions, Inc. was founded in 1997 in Cary, North Carolina with the vision of combining technical excellence with strong client relations. The company forged a strong alliance with software vendor SAP and, ever since, has provided consulting and programming services that support SAP procurement solutions in many government agencies. This relationship, coupled with Providence’s other cross-industry client relationships, has allowed it to continue to thrive and expand.

With a long-standing reputation for addressing cross-platform application development issues, Providence offers products and services that enable clients to select and implement solutions that are practical and economical to help achieve business goals.



A QUOVADIX DIVISION

## PRODUCT INTEGRATION MADE EASY

Providence offers a number of solutions, including:

- » **Cross-Platform Application Development:** Having developed many applications that must run on multiple platforms, Providence has become proficient with all the tools, languages, and programming techniques that enhance portability.
- » **Project Management:** Providence's Project-Management-Institute-certified project managers subscribe to an end-to-end management philosophy — initiate, plan, execute, control, close — to deliver a proactive, forward-looking approach throughout the project lifecycle.
- » **SAP Development and Integration Services:** From the development of IPRO procurement systems to the integration of systems with SAP R/3, Providence possesses an in-depth understanding of ERP systems and is able to develop solutions that leverage prior investments by integrating disparate systems.
- » **XVT Development Solution for C++ (DSP)<sup>™</sup>:** XVT is a framework for producing graphical C++ applications that run on diverse platforms. A single development effort produces platform-specific applications with the look and feel and performance of the native platform. All popular platforms are supported.

In order to stay competitive, Providence required a development toolkit that would enable it to easily integrate third-party products with its popular XVT Development Solution for C++ (DSP). In addition, Providence required a reliable alternative to providing in-house platform porting and support services. Offering these services to its clients was extremely important to help ensure customer retention and satisfaction. To be sure, Providence needed an affordable solution that would enable it to continue to provide its customers the product integration and support they required, while freeing up its resources to focus on its competitive advantage.

Rogue Wave Software met all of Providence's solution criteria, including:

- » Providing the ability to easily integrate mission-critical enterprise applications from C++ to different platforms
- » Providing reusable, cross-platform, cross-database components
- » Maximizing developer productivity
- » Providing superior technical support
- » Demonstrating proven solutions and trusted expertise in cross-platform application development
- » Delivering an affordable solution

“Since 1997, Providence has used Rogue Wave components to meet its C++ cross-platform needs. The reason why we continue to choose Rogue Wave Software is because they provide a robust technical solution that supports our business goals. Undoubtedly, the Rogue Wave solution is tried and true,” said Don Hames, President, Providence Software Solutions, Inc.

## EASILY INTEGRATE MISSION-CRITICAL ENTERPRISE APPLICATIONS WITH SOURCEPRO<sup>®</sup> C++

Based on its long history with Rogue Wave Software, Providence felt confident that SourcePro C++ would meet all its technical and business requirements — from product longevity and robustness to lower maintenance and increased quality.

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Providence is currently embedding Rogue Wave SourcePro Core and SourcePro DB in its XVT Enterprise Development Solution (DSE) for C++ to provide high-performance, cross-database reusable components to its customers and facilitate concurrent support for multiple platforms and databases, including: Windows®, Solaris™, AIX, RedHat®, HP-UX, Oracle®, Sybase® ODBC, Informix®, MS SQL, PostGres and MySQL®. Doing so will enable Providence's clients to receive all the functionality they need in a single package.

SourcePro Core's broad range of fundamental C++ components will help Providence maintain compatibility with its low-level library functions. SourcePro Core handles the intricacies of complex tasks like threading, string handling, and internationalization, freeing developers to focus on the consulting side of the business. Further, SourcePro Core components will allow Providence to port applications across all of the standard industry operating systems and compilers its customers require.

SourcePro DB provides Providence with components that work across multiple databases. SourcePro DB provides a complete solution for object-oriented relational database access in C++. Leveraging SourcePro DB's layered architecture will enable Providence to simplify database application creation while preserving the ability to access native database client libraries. SourcePro DB also allows for the creation of applications that are reusable with databases from various vendors.

"Providence's goal is to integrate seven O/S platforms and six relational databases into XVT DSP by the end of 2004. Without SourcePro C++, our development team would have been faced with rewriting several layers of code to provide the same functionality. Undoubtedly, it made a lot more sense to embed an existing and proven solution that reduces the planning, development, and testing workload, provides increased quality, and decreases maintenance. SourcePro C++ delivered all of these benefits, saving Providence money and decreasing the time to market of future releases," said Christian Fortunel, XVT Business Unit Sponsor, Providence Software Solutions, Inc.

"The ability to develop software for multiple platforms using SourcePro® C++ has helped us evolve and easily migrate legacy code to new environments without incurring the traditional costs, risks, and complexities associated with building and supporting applications in-house."

**Christian Fortunel**  
XVT Business Unit Sponsor  
Providence Software Solutions, Inc.

## FOCUS ON COMPETITIVE ADVANTAGE

With Rogue Wave SourcePro Core and SourcePro DB, Providence is able to easily integrate mission-critical enterprise applications from C++ to different platforms, freeing up critical resources to focus on core competencies — cross-platform support and legacy system integration. Moreover, key resources are no longer burdened with in-house support since Rogue Wave components are supported by an outside, dedicated staff. The end result is a win-win situation: Providence customers win because they receive the platform integration and support they require; Providence wins because it can focus on expanding its consulting business, rather than low-level tasks.

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