



Partner Profile

Solution value

Helps organizations quickly deliver multicore-based devices to the marketplace while reducing software development complexity, delivery risks and device costs and increasing product performance.

Relationship value

Together, Wind River and IBM Rational software provide a wide array of complementary products and services to help clients manage the complex software development process for multicore devices. Expand your potential client base by pursuing new opportunities with Wind River Systems.

Wind River and Rational software

Help clients reduce risks and costs while helping to meet aggressive design goals in multicore software development

Driven by marketplace demands, many companies are turning to multicore hardware to improve performance while reducing energy consumption. IBM Rational® software is teaming with Wind River® software—the global leader in operating systems and Device Software Optimization—to help clients take the risk out of multicore software development. Together, Wind River Systems and IBM can provide organizations with the hardware-optimized run-time environments, middleware, software development and testing tools and services they need to develop high-performance, maintainable and scalable multicore solutions. Using the Wind River and Rational solution, companies can architect and build devices for the future—avoiding potential rework by building products right the first time, reducing development costs and speeding time to market.

Wind River at a glance

Wind River is a leading provider of operating systems for embedded systems. The company's operating systems and tooling can help clients boost end-user performance while reducing development costs and decreasing time to market. Wind River products address the growing need for improved performance with less energy consumption, which is critically important as more and more companies strive to minimize the size, weight, power consumption and operational costs of their devices.

Offerings from Wind River include Wind River Workbench, an Eclipse-based, integrated development environment with innovative multiple context debugging support; Wind River Linux, an industry-leading Linux® platform for embedded device development; the Wind River VxWorks® operating system; a rich set of middleware run-time technologies such as Wind River Hypervisor for embedded virtualization and Wind River Test Management, an automated test, diagnostics and run-time analysis solution for device test labs; worldwide customer support and professional training. Wind River technology is currently used in more than 500 million devices worldwide by industry leaders. The company serves a broad range of industries, including aerospace and defense, network infrastructure, industrial/medical, consumer and automotive.

A comprehensive solution to help clients optimize multicore development

Multicore hardware offers clients significant opportunities to create products with higher performance and lower energy costs—all in a smaller package. However, it can be challenging for clients to select the best hardware and software architecture to meet their product design goals. For example, design options for multicore development include symmetric-multiprocessing (SMP) and asymmetric-multiprocessing (AMP) configurations. And the wrong architecture for specific needs can significantly reduce or even eliminate multicore benefits.

Together, IBM Rational software and Wind River provide a comprehensive range of products, services and best practices that can help clients deliver products with real-time or embedded software that can take advantage of multicore technology. By optimizing the architecture of their applications, operating systems and hardware, clients can meet aggressive product design goals for performance, cost and power utilization and increase their competitive edge.

Clients can take advantage of Rational lifecycle management tools to manage software configurations and changes and to automate the building and testing of software. The Wind River Workbench application and its simulation capabilities integrate with a variety of Rational tools, including the model-driven development environment of IBM Rational Rhapsody® software as well as IBM Rational ClearCase® and IBM Rational ClearQuest® software for comprehensive software change and configuration management. Plus, the Wind River Test Management system can be used with IBM Rational Quality Manager software, which helps teams track their quality assurance effort, and IBM Rational Rhapsody software, which helps streamline white box testing, lab management, diagnostics and run-time analysis of devices. Wind River plans to provide support for IBM Rational Team Concert™ software as well to help teams simplify, automate and govern software delivery.

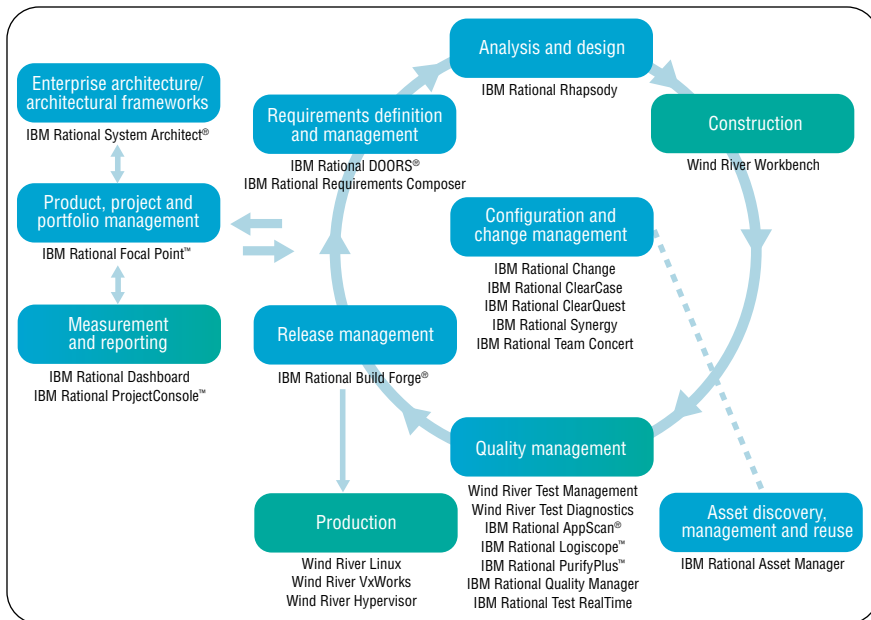


Figure 1: Wind River and IBM Rational applications are complementary, covering just about every phase of the development and delivery lifecycle.

Meet a growing need for multicore development tools by expanding your sales portfolio

By working with your Wind River counterpart, you can offer a comprehensive solution to support your prospects' multicore software development needs—across the development lifecycle. And as companies strive to provide more innovative products while reducing power consumption and costs, it's an excellent time to begin teaming with Wind River. This relationship also provides you a compelling reason to engage existing Wind River clients and sell additional Rational solutions.



For more information

To learn more about how you can take advantage of the IBM and Wind River relationship, contact:

Marc Brown, vice president, VxWorks product strategy and marketing, Wind River, marc.brown@windriver.com

To learn more about multicore offerings from Wind River, visit:

www.windriver.com/products

© Copyright IBM Corporation 2009

IBM Corporation
Software Group
Route 100
Somers, NY 10589
U.S.A.

Produced in the United States of America
August 2009
All Rights Reserved

IBM, the IBM logo, ibm.com, the IBM Business Partner emblem, and Rational are trademarks or registered trademarks of International Business Machines Corporation in the United States, other countries, or both. If these and other IBM trademarked terms are marked on their first occurrence in this information with a trademark symbol (® or ™), these symbols indicate U.S. registered or common law trademarks owned by IBM at the time this information was published. Such trademarks may also be registered or common law trademarks in other countries. A current list of IBM trademarks is available on the Web at "Copyright and trademark information" at ibm.com/legal/copytrade.shtml

Linux is a registered trademark of Linus Torvalds in the United States, other countries, or both.

Wind River and VxWorks are registered trademarks or service marks of Wind River Systems, Inc.

Other company, product, or service names may be trademarks or service marks of others.

References in this publication to IBM products or services do not imply that IBM intends to make them available in all countries in which IBM operates. The information contained in this documentation is provided for informational purposes only. While efforts were made to verify the completeness and accuracy of the information contained in this documentation, it is provided "as is" without warranty of any kind, express or implied. In addition, this information is based on IBM's current product plans and strategy, which are subject to change by IBM without notice. IBM shall not be responsible for any damages arising out of the use of, or otherwise related to, this documentation or any other documentation. Nothing contained in this documentation is intended to, nor shall have the effect of, creating any warranties or representations from IBM (or its suppliers or licensors), or altering the terms and conditions of the applicable license agreement governing the use of IBM software.

Any performance data for IBM and non-IBM products and services contained in this document was derived under specific operating and environmental conditions. The actual results obtained by any party implementing such products or services will depend on a large number of factors specific to such party's operating environment and may vary significantly. IBM makes no representation that these results can be expected or obtained in any implementation of any such products or services.

Any material included in this document with regard to third parties is based on information obtained from such parties. No effort has been made to independently verify the accuracy of the information. This document does not constitute an expressed or implied recommendation or endorsement by IBM of any third-party product or service.

RAF14092-USEN-00