

*Start now to meet the need for new in-home pervasive computing services.*



# IBM WebSphere™ Everyplace Suite Embedded Edition Solution Offering

*Software and services enabling quick creation of residential service gateways*

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## Highlights

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**Open application platform for the execution of multiple network-delivered services to home devices**

**Leading-edge software framework to speed development of pervasive computing devices and services**

**Components designed to be fully OSGi compliant**

**Integrated with the VisualAge® Micro Edition development environment and Java runtimes, suitable for networked-embedded devices**

**Tools and platforms engineered for large variety of intelligent devices, including residential service gateways, PDAs, smart phones and set-top boxes**

**Seamless integration with end-to-end WebSphere Everyplace Suite, including DB2®, MQ Series®, Tivoli® and SecureWay® solutions.**

**Gain a competitive advantage with proven expertise and open technology leadership from IBM.**

**Start now, grow quickly**

## The next major IT market

The extension of network-based information to a new class of "intelligent" appliances opens up a world of exciting new applications that will enable millions of people to gain convenient and instant access to important information virtually anytime, anywhere. Such devices as residential gateways, PDAs, intelligent mobile phones, web terminals and set-top boxes in homes are powered by embedded microprocessors and software that can unleash the full potential of networked information technology for consumers around the world.

The growth of pervasive computing will create a huge new worldwide market for makers of intelligent devices, telecommunication and information service providers, aggregators and brokers.

The opportunities for finding new customers and revenue are enormous, and the competition to ensure customer satisfaction and loyalty will be intense. Content creators will be able to leverage existing and new content to a vast new set of mass-market devices and device-based portals that can be used anywhere. Internet Service Providers (ISPs), Application Service Providers (ASPs) and other service providers will increase value

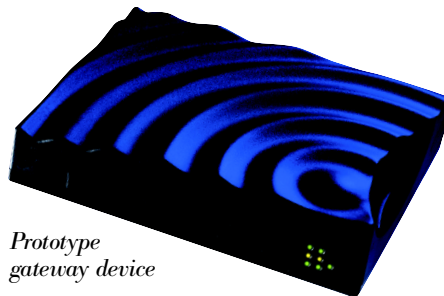
to customers with new billable services and devices enabled for network delivery.

## New and enhanced services into the home

More and more people conduct their corporate and personal businesses at home on the Internet. This inevitably will lead to the "intelligent" home, where networking adds new services including energy management, home security, appliance control, remote monitoring, and other applications offered to improve the home living experience. The challenge of meeting this opportunity is in combining a sophisticated application platform that can adapt rapidly to offer new services with the simplicity and reliability of an appliance.

While ongoing advances in chip technology are providing a solid foundation for pervasive computing devices and services, the development of embedded software that can deliver customized networked applications to millions of devices has been a more difficult challenge. The need is to create open application platforms scaled to provide cost-effective gateways that can serve complex data and device management, client access, security and flexibility requirements of pervasive computing networks.

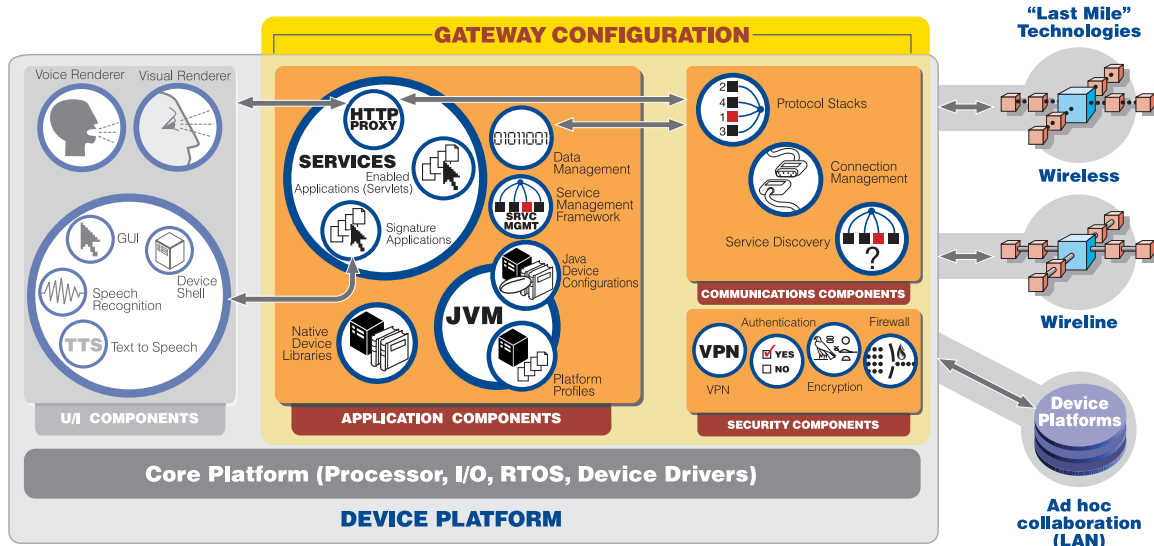
IBM has combined expert services and embedded software for developing residential services gateways (RSG) which can allow advanced networking capability to the home using wireless LAN, existing telephone and power lines, as well as dedicated LAN wiring.



*Prototype gateway device*

# WebSphere™ Everyplace Suite Embedded Edition Solution Offering

- Highly configurable
- Tightly integrated



## End-to-end IBM software solutions

IBM WebSphere Everyplace Suite for Embedded Edition Solution Offering is an integrated set of device middleware components that when combined with services enables next generation intelligent devices to provide value-added services, Internet access and trusted transaction processing. It includes:

- The IBM Service Management Framework™ component, a standards-based architecture designed to comply with R1.0 specifications set forth by the Open Service Gateway Initiative (OSGi). Service Management Framework provides for the lifecycle management of networked delivered applications.
- Embedded best-of-breed open standards compliant Real-Time Operating Systems (RTOS), such as QNX Neutrino, that support multiple hardware platforms.
- IBM VisualAge Micro Edition: Tools and runtimes written in the Java language were built from the ground up for embedded environment. Includes built-in remote debugging capability.
- Integrated support for hybrid Java/native-code environments.
- Network connection management for both wireless and wired connections.

## Get started quickly

IBM Solution Offering WebSphere Everyplace Suite for Embedded Edition Solution Offering will enable you to rapidly prototype and test your residential services gateway solution. IBM provides you with the key software components, services capabilities and education needed to get your solution up and running quickly and to help you increase your speed to market.

The IBM WebSphere Everyplace Suite provides a scalable, available and security-rich end-to-end environment for executing and managing pervasive service offerings. With its hardware and software leadership, unmatched expertise and experience, IBM is uniquely equipped to help you become a leader in the expanding new world of pervasive computing.

## For more information:

To learn more about IBM's WebSphere Everyplace Suite for Embedded Edition Solution Offering, visit our website at [www.ibm.com/pvc](http://www.ibm.com/pvc) or contact your IBM sales representative.



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