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## News & Press

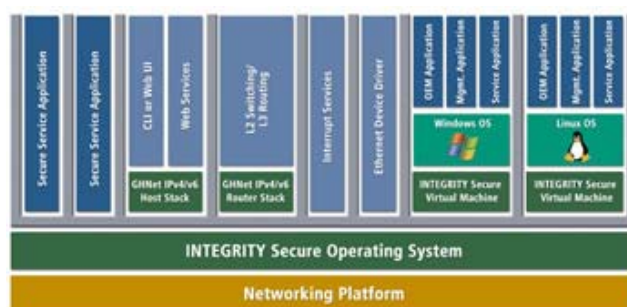
### Green Hills Software Adds Virtualization to Platform for Secure Networking

Incorporates Guest OS Applications While Increasing System Availability

**EMBEDDED SYSTEMS CONFERENCE, SAN JOSE, CA—MARCH 31, 2009**—Green Hills Software, Inc., the world leader in [secure operating systems](#), today announced a major enhancement to its Platform for Secure Networking, adding secure virtualization and new reference platforms.

#### Secure Virtualization

Green Hills Software's approach to system virtualization enables a complete Linux operating system and its applications ecosystem to securely and seamlessly coexist with the performance, reliability-critical, and real-time portions of networking devices – all on a single general purpose microprocessor. System availability is increased by eliminating the possibility for a non-critical application failure or corruption in the Linux environment to compromise the critical real-time packet traffic applications and services running on the **INTEGRITY® RTOS**.



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High availability and secure isolation between networking subsystems is assured by INTEGRITY, the world's first Common Criteria EAL6+ certified operating system technology. The INTEGRITY advanced security architecture prevents denial-of-service attacks while guaranteeing optimal real-time performance for packet processing applications.

#### Fulcrum Reference Platform and Embedded Systems Conference Demonstration

At the Embedded Systems Conference Silicon Valley 2009, Green Hills Software will demonstrate the application of its Platform for Secure Networking to a new reference design – the Fulcrum Microsystems "Vegas," 48-port 1-Gigabit Ethernet switch chip reference system. The Vegas reference platform consists of the Green Hills Platform for Secure Networking, including GateD® – the industry's benchmark solution for commercial-grade routing and switching software. Using Green Hills Software's secure virtualization architecture, a standard Linux operating system will execute on the Freescale MPC8548 general purpose processor of the reference platform, providing system management functionality and other services. Green Hills Software's INTEGRITY RTOS provides the secure isolation of the Linux environment from the real-time routing and packet processing functions, which execute as native INTEGRITY applications on the same general purpose processor. In addition, the INTEGRITY RTOS's ultra-fast interprocess communications (IPC) enable the Linux and INTEGRITY applications to rapidly exchange management information.

"We are pleased to expand our partnership with Green Hills Software and its industry-leading software offering for the telecom space," said Mike Zeile, president and chief operating officer of Fulcrum Microsystems. "Network service providers now have an ideal combination for their high performance systems: innovative Ethernet and switching silicon with complete networking software solutions based on the leading high performance, high reliability real-time operating system – INTEGRITY."

"Green Hills Software provides the networking and telecommunication industry's only one-stop solution for high reliability operating systems, secure virtualization, IPv4/IPv6 routing stack protocols, and field-proven control and data plane functionality," commented Sue Hares, director of networking solutions, Green Hills Software. "The increased adoption of the Platform for Secure Networking by leading networking equipment manufacturers is a result of the excellent return on investment and increases in system availability provided by superior platform software technology, best-in-class developer productivity tools, and outstanding technical support."

#### About the Green Hills Platform for Secure Networking

The Green Hills Platform for Secure Networking is a comprehensive platform consisting of operating systems, secure virtualization, development tools, and middleware that enable developers to create secure, powerful, high-performance connected electronic products in the least time and at the lowest cost. In addition to Green Hills Software's **MULTI®**, the industry's leading embedded software development toolset, the platform offers the Green Hills INTEGRITY and **veIOSity™** operating systems, INTEGRITY PC™ secure virtualization, advanced file systems, [dual IPv4/IPv6 TCP/IP host and routing stack](#), web server, [SSH](#), [SSL](#), wireless communications and security software, Layer 3 IP routing and management software, USB, and a variety of other tightly integrated networking and application protocols. The Platform also includes

out-of-box support for leading silicon reference designs from vendors such as Broadcom and Fulcrum Microsystems.

### About Green Hills Software

Founded in 1982, Green Hills Software, Inc. is the technology leader in device software optimization (DSO) and [real-time operating systems](#) (RTOS) for 32- and 64-bit embedded systems. In 2008, the Green Hills INTEGRITY-178B RTOS was the first and only operating system to be certified by the NSA to EAL6+ High Robustness, the highest level of security ever achieved. Our royalty-free [INTEGRITY®](#) and [velOSity™](#) real-time operating systems, [μ-velOSity™](#) microkernel, [compilers](#), [IPv6-ready TCP/IP networking stacks](#), [GateD®](#) Layer2 switching and Layer 3 routing, [MULTI®](#) and [AdaMULTI™](#) integrated development environments, [DoubleCheck™](#) integrated static analyzer and [TimeMachine™](#) tool suite offer a complete development solution that addresses both deeply embedded and high-reliability applications. Green Hills Software is headquartered in Santa Barbara, CA, with European headquarters in the United Kingdom. Visit Green Hills Software on the web at [www.ghs.com](http://www.ghs.com).

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