

ACCESS TO CLASSIFIED NETWORKS FROM ANYWHERE, AT ANY TIME, AND WITH ANY CONNECTIVITY



Warfighters, national intelligence professionals, and forward-based contractors all need the same thing in today's challenging environment: Access to classified networks and data whenever they need it, wherever they are, and with whatever connectivity is available. The traditional model of limiting access to classified computers and networks in physically secured buildings isn't functional for today's mobile, agile, untethered workforce.

To support the growing need for remote access to classified networks, the National Security Agency (NSA) introduced the Commercial Solutions for Classified (CSfC) program, providing new options for keeping national secrets safe while allowing users to be mobile and remote.

INTEGRITY Global Security (IGS) offers a CSfC solution built on a **zero vulnerability** architecture. Zero vulnerability means the foundation is secure, and that the user has the same level of protection in their access device that is present in military-grade and other communication gear.

SECURED WITH INTEGRITY: CSfC AND EAL 6+ CERTIFIED

The IGS Secured with INTEGRITY Solution (SwIS) is a complete CSfC solution for remote access to classified networks and has been certified and deployed in the DoD and intelligence agencies throughout the government.

The foundation of the SwIS portfolio is the INTEGRITY-178B Separation Kernel; the first and only software ever to be certified by the NSA and the National Information Assurance Partnership (NIAP) to EAL6+ High Robustness under the international Common Criteria standard (ISO/IEC 15408). The technology also meets the CSfC requirements for Mobile Access Capability Package (MACP) and Data at Rest (DAR). This confirms that the product is suitable for the protection of classified information and other high-value resources against well-funded, sophisticated attackers. The INTEGRITY Separation Kernel uses a microkernel architecture, which supports multiple virtual address spaces with strict access control. This significantly reduces security risks by providing high-assurance process separation and data isolation. The kernel is protected in its own address space, isolating it from accidental errors or malicious tampering.

The separation kernel architecture enables secure virtualization. The INTEGRITY Operating System



creates an isolated construct that includes both the Virtual Machine Manager (VMM) and the guest OS in the same protected address space. Because critical security components remain under the control of the separation kernel, there is no risk of a guest operating system application gaining access outside of its assigned processing space.

Leveraging this secure virtualization approach, the INTEGRITY Operating System allows secure applications to

be isolated from high-risk applications. Applications, such as browsers or collaboration applications, can be deployed to a separate environment, allowing for web access by the end user while protecting secure environments and data.

The SwIS product set includes the following components:

- **Secured with INTEGRITY Client (SwIC) End User Device – A CSfC compliant laptop, tablet, or mobile phone**
- **Secured with INTEGRITY Gateway (SwIG)– A CSfC compliant network gateway**
- **Secured with INTEGRITY Management (SwIM) – A complete CSfC infrastructure and device management suite**

SwIC END USER DEVICE

To meet the highest security standards and ensure the ability to scale quickly to support hundreds, thousands, or tens of thousands of



Note: This evaluation contains results that are not mutually recognized in accordance with the provisions of the CCRA; only the evaluation results of EAL4 components are mutually recognized.

National Information Assurance Partnership Common Criteria Certificate



is awarded to

Green Hills Software, Inc.

The IT product identified in this certificate has been evaluated at an accredited testing laboratory using the Common Methodology for IT Security Evaluation (Version 2.3) for conformance to the Common Criteria for IT Security Evaluation (Version 2.3) ISO/IEC 15408. This certificate applies only to the specific version and release of the product in its evaluated configuration. The product's functional and assurance security specifications are contained in its security target. The evaluation has been conducted in accordance with the provisions of the NIAP Common Criteria Evaluation and Validation Scheme and the conclusions of the testing laboratory in the evaluation technical report are consistent with the evidence adduced. This certificate is not an endorsement of the IT product by any agency of the U.S. Government and no warranty of the IT product is either expressed or implied.

Product Name: INTEGRITY-178B Separation Kernel
Evaluation Platform: INTEGRITY-178B Real Time Operating System (RTOS), version IN-ICR750-0101-GH01_Rel running on Compact PCI card, version CPN 944-2021-021 w/PowerPC, version 750Cxe
Assurance Level: EAL6+, High Robustness

CCTL: Science Applications International Corporation
Validation Report Number: CCEVS-VR-VID10119-2008
Date Issued: 01 September 2008
Protection Profile: US Government Protection Profile for Separation Kernels in Environments Requiring High Robustness, Version 1.03, 29 June 2007

Original Signed By

*Director, Common Criteria Evaluation and Validation Scheme
National Information Assurance Partnership*

Original Signed By

*Information Assurance Director
National Security Agency*

users, IGS partnered with Dell Technologies to create a high-assurance security appliance – a laptop delivered on standard Dell client hardware that uses Intel Core processors, which provide the same level of Dell Pro Support and off-the-shelf availability that customers count on from a premier IT solutions provider. The INTEGRITY Operating System is integrated into Dell hardware at the factory, ensuring a secure supply chain.

SwIS is used every day by thousands of end users in the field who need access to classified networks. It is efficient, tested, and proven. It is available as a commercial off-the-shelf solution that can be deployed quickly to meet immediate needs for a secure remote or hybrid workforce.

SwIC GATEWAY

The Secured with INTEGRITY Gateway (SwIG) also leverages the INTEGRITY Operating system, allowing secure access to classified and sensitive networks over commodity transport connectivity by combining components and concepts approved by the NSA. It provides a layered, vendor-diverse, defense-in-depth architecture that is secure, cost effective, and versatile. SwIG is installed in front of the classified or sensitive network and uses information received from the SwIC End User Device (EUD) to grant access to the secure network.

SwIS ENTERPRISE MANAGEMENT

The Secured with INTEGRITY Enterprise Management application suite facilitates SwIC EUD and SwIS Gateway management with a single-pane-of-glass view to monitor and manage all the different technologies. The solution requires minimal training, allowing teams to focus on the mission. It can scale easily and quickly across the enterprise to support hundreds, thousands, or tens of thousands of employees. It automates, orchestrates, and simplifies all aspects of user and administrative interactions with the secured network, while maintaining the highest security assurance level possible for the endpoint.



With IGS, Dell Technologies, and the SwIS products, your teams can achieve the highest levels of operational efficiency for every mission – whether they are protecting critical infrastructure, keeping citizen services running, supporting law enforcement, or managing military operations.

ABOUT INTEGRITY GLOBAL SECURITY

For more than 40 years, INTEGRITY Global Security has safeguarded mission-critical endpoints. Our security solutions have been deployed on commercial and U.S. military aircraft, in military radios and encryptors, and in safety-critical and purpose-built systems in the medical, automotive, and industrial industries – where a breach can mean loss of life.



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