GATE SCANNER by Sasa Software Kiosk

Portable media Cyber Security system

Enabling compliance and security for removable media

The Challenge: Portable Media

Usage of portable media (USB drives, CD/DVDs) present a critical risk, as using them bypasses IT security layers, and potentially introduces malicious files directly into the organization. Moreover, portable media can contain multiple threats, including compromised files, threats in hidden partitions and malicious hardware/firmware. These inherent risks cause organizations to disallow their use, and led to the creation of compliance requirements such as NERC CIP-003-7 for critical infrastructures.

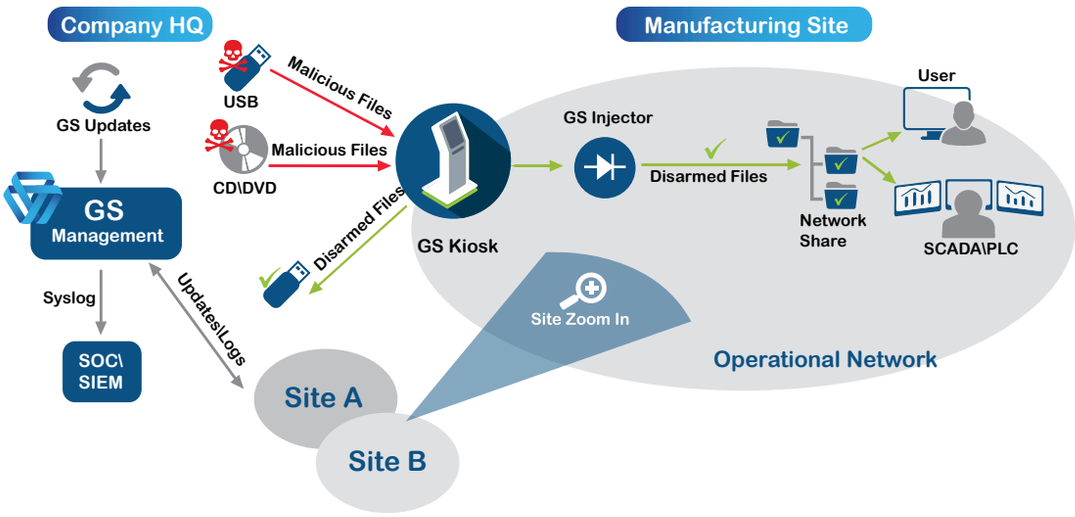
The Solution

GateScanner® Content Disarm and Reconstruction (CDR) ensures security by treating every file as suspicious, performing deep threat scans, disarming the files, and creating a neutralized (harmless) trustworthy copy. GateScanner® CDR prevents advanced undetectable file-based attacks including Advanced Persistent Threats (APTs), Zero Days and ransomware while maintaining full file usability, visibility and functionality.

GateScanner® Kiosk

GateScanner® Kiosks serve as a gateway to prevent device and file-based threats from removable media, enforce policy on their usage, and enabling compliance. Users insert media at kiosks placed at central locations in a facility where files are scanned, disarmed and securely copied onto trusted media or into the organization's network. GateScanner® Kiosks can be deployed as stand-alone units or networked, installed at multiple locations and optionally coupled with a unidirectional data diode (GateScanner® Injector). The solution is centrally managed, with a robust reporting system to exhibit regulatory adherence.

Sample deployment – Secure portable media OT file transfers



Centrally managed, geographically distributed Kiosks at multiple sites.
Files are copied from portable media and multi-scanned/disarmed to trusted media, or delivered securely using a data diode (GateScanner® Injector).

Award Winning Solution

Sasa Software is the 2017 Frost & Sullivan Asia Pacific Critical Infrastructure Security Vendor of the Year

Proven Technology

Founded in 2013, Sasa Software successfully protects governmental agencies, defense contractors, financial institutions, public utilities and healthcare enterprises.

Approved by the Israeli and Singaporean Cyber Commands

Independent tests demonstrate GateScanner® prevents up to 99.9% of undetectable threats*

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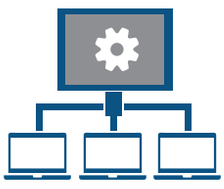
GATE SCANNER *Kiosk*

Scanning features

- ✓ **Deep threat scans:** Embedded elements are deeply scanned using multiple True Type engines, Multiple AVs and Next Generation AIML detection, dramatically increasing detection rates and preventing file spoofing
- ✓ **File disarm and reconstruction:** Files are disarmed ("sanitized") by removing potentially harmful elements, scripts, macros and restructuring the file to disrupt the integrity of unknown threats
- ✓ **File redaction (DLP):** Security for outgoing files via deep content search and replace, metadata removal, reformatting and policy enforcement
- ✓ **External tools integrations:** Integrates external security solutions, such as Enterprise Sandboxes, Next-Gen AVs

System components:

GateScanner® Kiosk:
networked or standalone scanning stations



Central Management (MaM):
Monitor usage and update all systems

Reporting system:
Track usage, monitor detected malware, exhibit compliance

Solution highlights

- ✓ **Centralized management:** Multilingual, touchscreen enabled user interface, central administration of multiple kiosks; detailed activity reports, interfaces with SIEM/Syslog, automated updates
- ✓ **Robust reporting:** Web based, full featured, customizable reporting system with event subscriptions, enables exhibiting regulatory compliance
- ✓ **User and scan policy management:** Scanning profiles are customizable according to user/group policies. Multiple authentication options including Active Directory (AD) integration
- ✓ **Scan enforcement:** Files processed at the kiosk can be digitally signed and sealed to validate they were scanned by GateScanner®
- ✓ **Extreme-sized tasks:** Tasks of unlimited size can be processed using the "Combo" option, enabling uninterrupted scanning of TB+ sized media
- ✓ **Encryption self-extraction:** Automatic scanning of password-protected files, and hardware encrypted media
- ✓ **Security:** System is deployed as an encrypted, tamper-proof, hardened physical appliance, preventing device based attacks (firmware, boot-sector) and return to zero-state following the completion of every scan.

Specifications

- ✓ **Scanning appliance:** Pre-configured hardened appliance based on Window 8 SE Embedded.
- ✓ **Scanning Performance:** Up to 20GB/hour; 5MB MS-Office document: Up to 30 seconds (full CDR)
- ✓ **Supported file-types:** Supports full CDR for hundreds of file type combinations, including the entire suite of MS Office, PDF, media files (images, audio, video), AutoCad, Hanword (HWP), Archives, PST, .EML, installation files, XML, HTML,
other text files, medical imaging files (DICOM), and customized files
- ✓ **Supported media:** USB, CD/DVD, memory cards, portable hard drives (with "Combo" option)

Delivery options

GateScanner® Kiosk Appliance

Includes:
- Pre-configured appliance installed on: Dell OptiPlex Micro / HP Elite Desk Mini / Lenovo Tiny (or equivalent)
- Minimum specifications: Core i5 Processor (Quad Core), 8GB RAM, 256GB SSD
- 2 USB 3.0 Ports
- CD/DVD RW

Freestanding Enclosure

Includes:
- Kiosk enclosure (several form-factors available)
- GateScanner® Kiosk Appliance
- 19" Touch screen
- 2 USB 3.0 Ports
- CD/DVD RW

Options:
- Internal UPS
- Keyboard/trackball
- Blu-ray CD/DVD RW
- 15-in-1 card reader

*Specification and features subject to change without prior notice.
Images are for illustrative purposes only.
Security results and performance varies according to scanning profiles, file type/structure, and hardware used.

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