GATE SCANNER API
by Sasa Software

The Challenge

We live in a world of increasingly sophisticated cyber threats. APTs, ransomware and other malware continually evade detection technologies. Within the organization, users inevitably open files containing threats, leading to IT security incidents. Most recently, WanaCry and Petya ransomware became a global scare that spread rapidly throughout organizations with attacks breaching prominent financial institutions including Deloitte, Equifax and the US SEC.

Third Party File Processing Applications

Files arriving from third party applications (secure file transfers, web portals, isolation solutions and other applications) pose a risk since these are typically considered to be trusted content channels that bypass IT security layers. Potentially malicious files arriving through applications are saved to the core of the organization's IT systems, inflicting critical damage and breaching highly sensitive information.

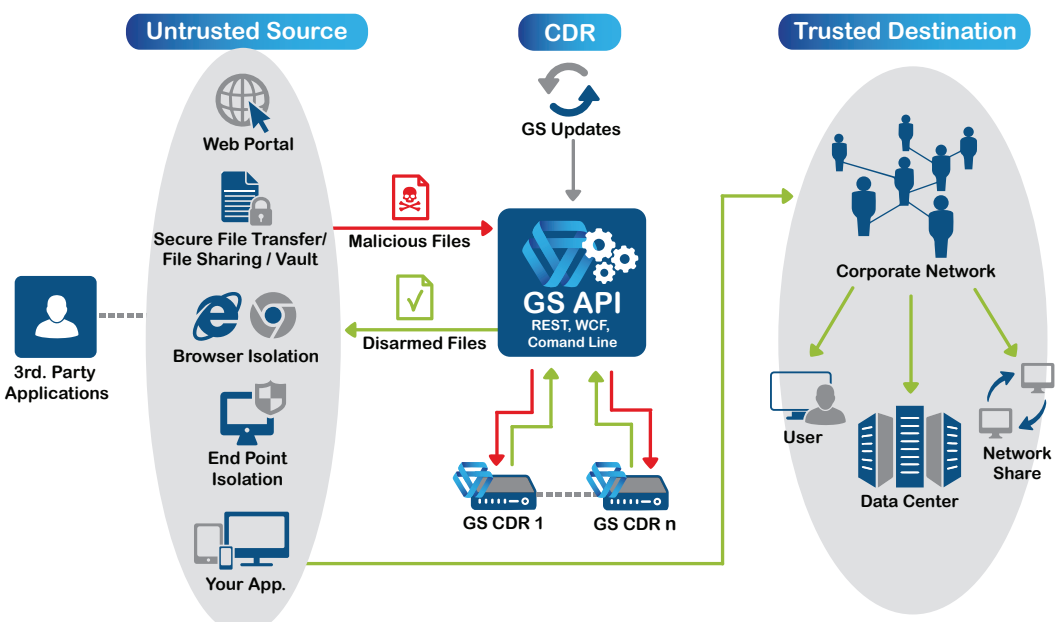
The Solution

GateScanner® Content Disarm and Reconstruction (CDR/Sanitization) ensures security by treating every file as suspicious, performing deep threat scans and restructuring, transforming files into a safe and neutralized (harmless) copy. GateScanner® prevents advanced undetectable malicious code attacks, including APTs and ransomware while maintaining full file usability, visibility and functionality.

GateScanner® API

The GateScanner® API is a robust and flexible platform that enables ISVs, IT security service providers, and IT administrators to seamlessly integrate Sasa Software's CDR technology with existing applications. Files are securely sent to a scalable grid of engines and the disarmed file is returned. The API is available with multiple interfaces (REST, WCF, cmd-line) to connect a wide variety of applications. The scanning engines can be located on premise, within a virtual environment, and within a private or public cloud.

GateScanner® API connecting to third party applications



Gartner "Cool Vendors in Cyber-Physical Systems Security", Katell Thielemann, et al, 21 April 2020

Proven Technology

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

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

Industry Recognitions

Gartner COOL VENDOR 2020

Awards

INFOSEC AWARDS WINNER CYBER DEFENSE MAGAZINE 2020

FROST & SULLIVAN 2017 BEST PRACTICES AWARD ASIA PACIFIC INDUSTRIAL CONTROL SYSTEMS SECURITY VENDOR OF THE YEAR

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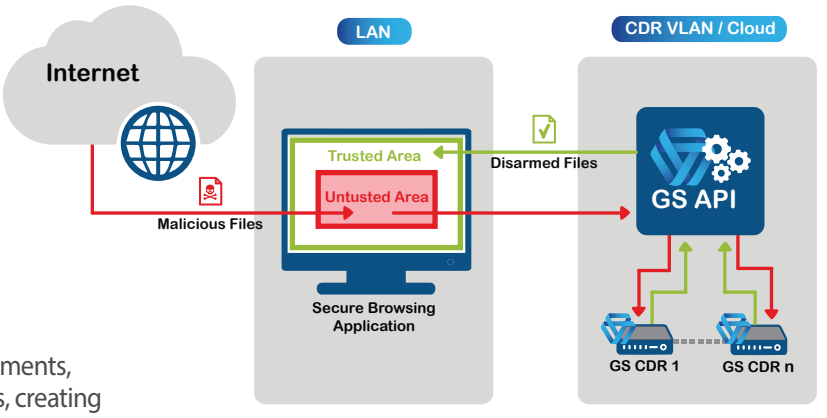
GATE SCANNER *API*

Gate Scanner® CDR Scanning Features

- ✓ **File Deconstruction**
  Since today's threats are deeply hidden, complex files are disassembled into individually embedded elements
- ✓ **Deep Threat Scans**
  Embedded elements are deeply scanned using multiple True Type and multiple AV engines, dramatically increasing detection rates and preventing file spoofing. File and macro signatures are verified to confirm a trusted source
- ✓ **File Disarm & Reconstruction**
  Files are disarmed ("sanitized") removing embedded elements, scripts, macros, links and undergo structural conversions, creating a neutralized (harmless) copy of the file
- ✓ **External Tools Integrations**
  Optionally integrate external security solutions, such as Sandboxes/Dynamic Inspection, Next-Gen AVs, etc.

Sample Deployments

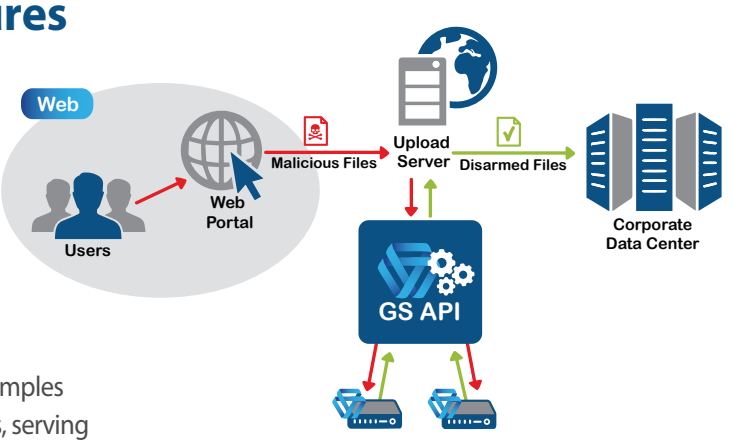


Secure Browsing Application

Users access the internet inside of an endpoint container. Downloaded files are disarmed using GS WCF API, and saved outside of the container.

Gate Scanner® API Technical Features

- ✓ **Available APIs:**
  REST: A web-service API designed for interfacing with internet applications, mobile apps and non-windows applications
  WCF: Based on Windows Communication Foundation for highly secure connection to WIN applications
  Command line: Connects directly to GateScanner® engines for application with access to the GS VLAN
- ✓ **Operation modes:** Synchronous and asynchronous operation
- ✓ **Easily configurable:** Includes rich documentation and code samples
- ✓ **Extreme capacity:** Processes thousands of concurrent requests, serving multiple third party applications in parallel
- ✓ **Highly scalable w/load balancing:** Easily and highly scalable without system interruptions, built in Active/Active load balancing
- ✓ **Customized scanning policies:** Dedicated scanning policies can be customized for each third party applications with specific profiles attached to users/groups within the organization
- ✓ **Central Management:** Central administration, detailed activity reports, interfaces with SIEM/Syslog, automated updates
- ✓ **Security:** Highly configurable to allow seamless integration with complex network topologies with strict security requirements



Secure Document Uploads

Users upload files to a web portal. Files are sent to GS via a REST API. The disarmed file are saved in the organization's datacenter.

GateScanner® API Specifications

- ✓ **API Service:** Installed on a Windows server (2008R2 / 2012R2)
  Requirements: 4 vCores, 8GB RAM, 250 GB HD (SSD Recommended)
- ✓ **Scanning Engine(s):** Supplied as a pre-configured virtual or physical hardened appliance based on WIN8 SE Embedded Supports Private and Public cloud deployments
  Requirements per engine: 4 vCores, 8GB RAM, 60 GB SSD
- ✓ **Scanning Performance:** Up to 20Gb/hr. 5Mb MS-Office document: Up to 30 sec (full CDR).
  Scanning performance varies according to scanning profiles, file type/structure and hardware used
- ✓ **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

*Specification and features subject to change without prior notice.
Security results depend on scanning profile used.

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