GATE SCANNER by Sasa Software

REST API

Integrating applications with Content Disarm and Reconstruction

The Challenge

Receiving files from third-party applications such as secure file transfers, web portals, browser isolation solutions, and other services introduce risks since file-based attacks including Zero Days, Exploits, and other weaponized content can evade detection-based technologies. These risks are compounded since the applications are often considered trusted content delivery channels, enabling malicious files to be saved into the organization's datacenters, potentially initiating critical IT security incidents.

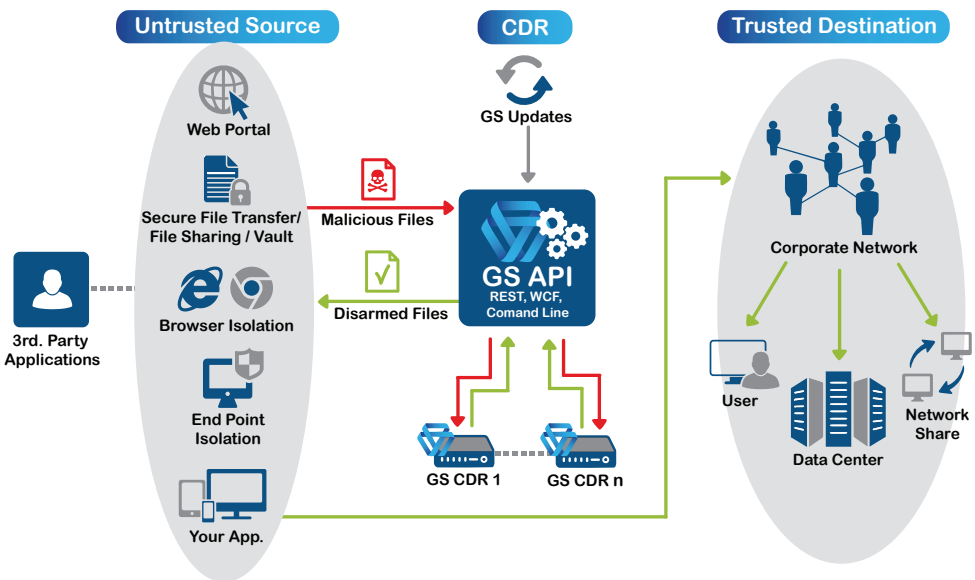
The Solution

GateScanner Content Disarm and Reconstruction (CDR/Sanitization) ensures security by applying highly optimized scanning technologies including NextGen detection to pre-filter known threats, and proprietary file disarm to prevent undetectable attacks. In this way, GateScanner CDR protects against exploits and weaponized content that has never been seen before, while maintaining full file fidelity, visibility, and usability.

GateScanner® REST API content security for applications

GateScanner REST API is a SaaS capable, robust and flexible platform that enables IT administrators, MSSPs, and ISVs to seamlessly integrate Sasa Software's CDR technology with existing applications. Files are securely sent to a scalable grid of GateScanner CDR Engines and the disarmed file is returned. The integration is performed using an industry-standard REST API, together with an advanced web-based management application, allowing the connection of multiple applications while ensuring full control of security policies, and achieving visibility of the scan results.

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

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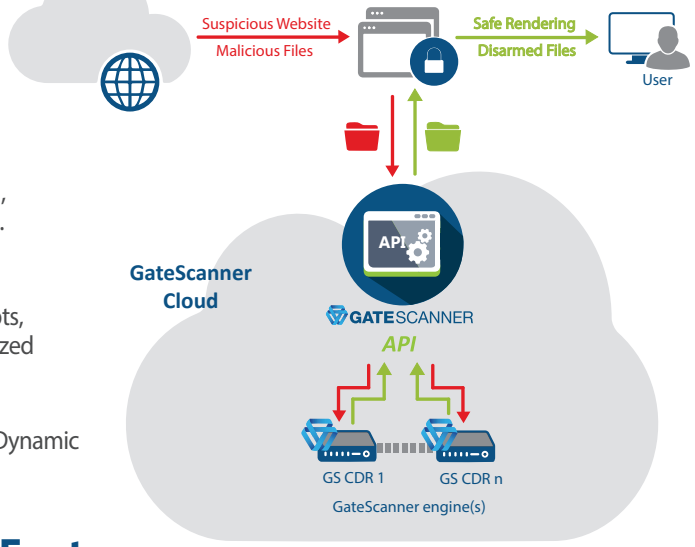
GATE SCANNER *REST API*

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 highly optimized Multi-AV scans, NextGen detection, Multiple True Type identification, 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

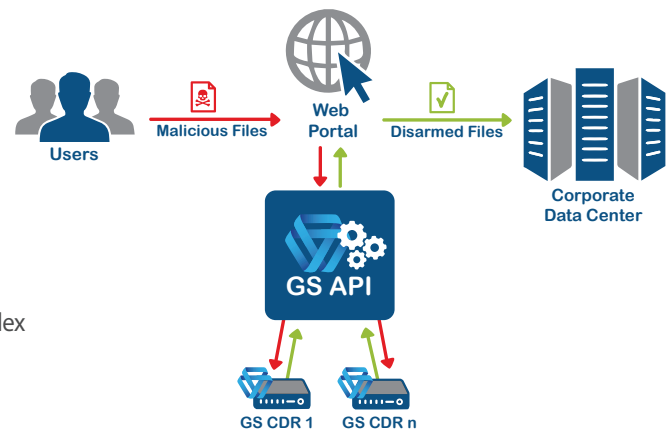


Gate Scanner® REST API Technical Features

- ✓ **Fully SaaS capable** for delivery as a consumption based service (GB of data/month)
- ✓ **REST API service** designed for rapid integration of multiple applications
- ✓ **Extreme capacity** Processes thousands of concurrent requests, serving multiple third party applications in parallel, capable of handling large and complex files including installation packages
- ✓ **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 with specific quotas and security profiles attached to each application
- ✓ **Central Management** Web-based administration with detailed scan analytics, interfaces with SIEM/Syslog, automated updates
- ✓ **Security** Highly configurable to allow seamless integration with complex network topologies with strict security requirements
- ✓ **Operation modes** Synchronous and asynchronous
- ✓ **Documentation** Includes rich documentation and code samples

Browser Isolation

Users access the internet using a remote browsing isolation solution (RBI). Downloaded files are disarmed with GateScanner CDR and saved to the user's endpoint.



Document Uploads

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

GateScanner® REST API Specifications

- ✓ **Delivery Options:** As a Service, Private Cloud, On-Prem
- ✓ **GateScanner REST API Service:** Installed on a Windows server (2012 R2 onwards)
- ✓ **Requirements:** 4 vCores, 8GB RAM, 250 GB HD (SSD Recommended)
- ✓ **GateScanner Engine(s):** Supplied as a pre-configured secured virtual/physical based on Windows 10 IoT
- ✓ **Requirements per engine:** 4 vCores, 8GB RAM, 60 GB SSD
- ✓ **Scanning Performance:** Up to 15Gb/hour per engine
- ✓ **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, Archives, PST, .EML, installation files, XML, HTML, other text files, medical imaging files (DICOM), and customized files

Robust Dashboard with full scan analytics

*Specification and features subject to change without prior notice.
Scanning performance varies according to scanning profiles, file size/structure, and hardware used.
Security results depend on the scanning profile used.

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