GATE SCANNER by Sasa Software

Solution Overview

"An Ounce of Prevention Is Worth a Pound of Cure."

Most network attacks begin with a malicious payload delivered through an email or a shared file. Blocking the entry of malware can prevent hackers from gaining the initial foothold they need to launch potentially devastating ransomware or APT attacks.

However, detection-based anti-virus tools fail to detect highly obfuscated and zero-day malware, while behavior-based heuristics and sandboxes engage only after the malware has been triggered.

Content Disarm and Reconstruction (CDR) technology removes file-based threats directly on first contact, prior to their entry to the network - even when no detection has occurred.

The incoming content is 'repackaged' and delivered as a new, clean file or email - to its destination.

GateScanner's CDR file sanitization has been proven to block up to 99.9% of all file-based malware – both known, as well as previously unseen malware.

GateScanner® - Prevents the Undetectable

The Challenge

Even the most sophisticated network attacks begin with an initial infiltration, frequently achieved through phishing emails or infected files arriving arriving on a variety of routes – file shares, web downloads, public-facing portals, app-to-app integrations or a simply through a plugged-in USB device.

In an increasingly toxic environment, every incoming file, regardless of its source, must be suspected as potentially harboring malicious content that could open the door to a full-scale attack.

IT security teams are challenged by conflicting needs - to maintain open content channels to the world, a critical capability for daily operations - and at the same time to prevent network compromise and safeguard the core digital assets.

The Solution

GateScanner® by Sasa Software - a powerful content sanitization solution delivered through a range of task-specific modules, caters to practically any network configuration and use case. The Content Disarm and Reconstruction (CDR) technology disarms email and files that arrive on any content route, by applying a rigorous disinfection procedure that results in clean copies of the originals. The safe, equivalent, and fully functional files are transparently delivered to their destinations in near real time.

The Technology

GateScanner's CDR process starts with the de-construction of incoming files to their most elementary components. Multiple AV's and an AI-based detection are applied to each component separately, achieving unparalleled levels of threat detection. Next, a proprietary restructuring process reconstructs the files, re-shuffling components to break up possibly remaining threats that may have eluded detection. The resulting files are identical in content and function to their originals, yet perfectly safe to continue on into the network.

Highlights

- Prevents email and file-based attacks with Content Disarm and Reconstruction (CDR) technology
- Full visibility and high-resolution, granular process control
- Anti-exfiltration and DLP capabilities supporting data privacy compliance
- Multiple integrations available (Outlook, Salesforce & RBI's)
- Flexible deployment - as Saas. on the cloud or on premises

Gartner COOL VENDOR 2020™

Recognized by Gartner as 'Cool Vendor in Cyber- Physical Systems Security' for 2020

A Proven Technology

GateScanner is protecting government agencies, defense contractors, financial institutions, critical infrastructure and healthcare organizations, since 2013.

Independent client testing repeatedly shows GateScanner preventing up to 99.9% of undetectable ('signature-less') threats.

GateScanner suite: One Technology – Many Solutions

GateScanner suite modules deliver core CDR file sanitization technology plus additional capabilities accommodating for a wide variety of use-cases.

GateScanner Kiosk

GATESCANNER Kiosk

Managed, secure transfer of files from removable media (USB, CD/DVD) to internal destinations and devices. The pre-configured, hardened physical stations can be operated as stand-alone units or in a networked configuration. Available as Micro PC, Laptop, PC or in wall-mounted/ free-standing enclosures.

GateScanner Mail Protection

GATESCANNER Mail

A complete solution for enterprise email security with flexible deployment options - as a SEG, as a Mail Transfer Agent (SMTP Bridge), or as a direct integration to O365 and/or MS Exchange. Features deep content URL categorization in both email body and attachments; real-time IP reputation checks; anti-phishing; anti-Spam and virus outbreak detection; anti-spoofing (DKIM/DMARC/SPF) and external domain blocklists (DNSBL).

GateScanner Security Dome

GATESCANNER Security Dome

A web-based, secure Managed File Transfer (MFT) solution with digital vault. A fully SaaS, multi-tenant platform, enabling secure file sharing, secure email, automated file transfers and cloud storage synchronization. Features a browser plugin with URL categorization. Sources supported: email, vaults, OneDrive, FTP, FTPS, SFTP, UNC and local folders.

GateScanner Integration Server

GATESCANNER Integration Server

Insert file sanitization into any data stream via GateScanner's REST API implementation.
Add an additional layer of security to 3rd-party applications and OEMs. The scanning engines can be located on premises or implemented within virtual environments, on private or public clouds. Also available as a service.

GateScanner Multi-source

GATESCANNER Multi-source

Multi-source secure file transfer between applications located on separate networks. Can be combined with the GateScanner Injector unidirectional diode to support segmented, air-gapped networks. Supported file sources/destinations: FTP, FTPS, SFTP, UNC, SMB, shared/local folders.

GSANALYZER

GS Analyzer uses static binary analysis to assess executable file risk without running them, calculating threat scores through code decompilation and reverse engineering.
It's available both integrated into GateScanner's CDR engine and as a standalone application for security analysts.

Product features

- Hundreds of file types supported, including MS Office, PDF, media files, .EML, AutoCAD & DICOM
- Processing of password-protected files
- Anti-exfiltration and DLP capabilities supporting
- Up to 10 scanning engines per grid with 'on-the-fly' scalability (Active-Active)
- Built-in integration with existing/ legacy external security tools

Sasa Software

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About Sasa Software

Sasa Software is a cybersecurity company specializing in the prevention of file-based attacks.

Founded in 2013 by Kibbutz Sasa as an offshoot of Plasan defense industries, Sasa Software is a privately held company.
All profits are channeled back to R&D to ensure sustainable growth and continuing long-term support of its valued customers.

GateScanner is protecting government agencies, defense contractors, manufacturers, oil & gas companies, financial services, critical infrastructure and healthcare organizations around the world.