



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, and attacks breached prominent financial institutions including Deloitte, Equifax and the US SEC.

IT security for a de-Perimeterized reality (Network Segmentation)

The reality of advanced threats is compounded since organizations are becoming increasingly perimeter-less. Even with the best IT security technologies, it is virtually impossible to protect all attack surfaces. Organizations must adapt and segment their networks into “untrusted” and “trusted” areas to focus security efforts, and air-gap their critical resources. When an IT security incident occurs, it will be contained in the “untrusted” segments and will not propagate to the “trusted” areas.

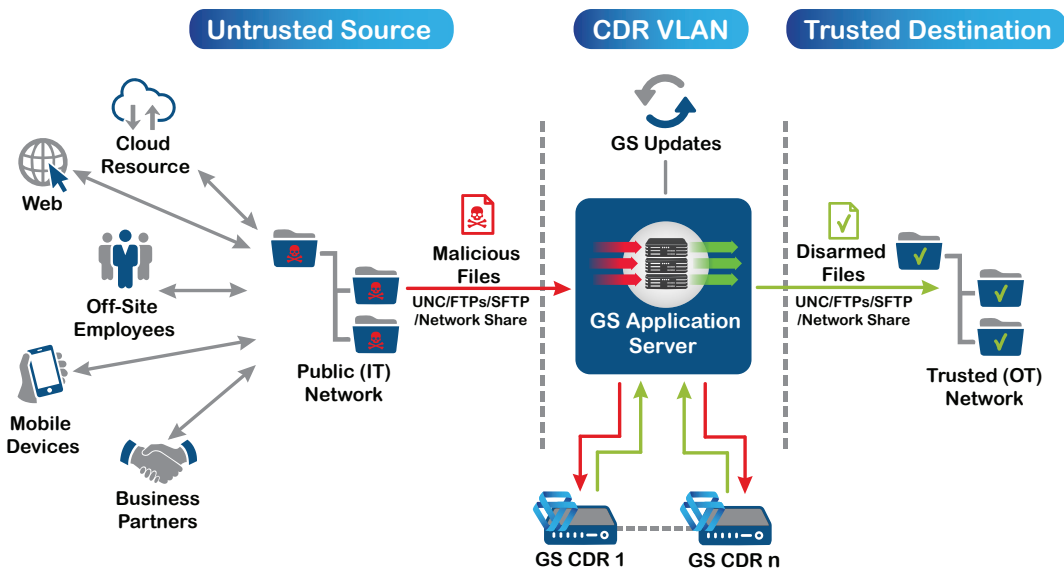
The Solution

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 copy. GateScanner® prevents advanced undetectable malicious code attacks, including APTs, ransomware and future sophisticated threats, while maintaining full file usability, visibility and functionality.

GateScanner® Application Server

GateScanner® Application Server serves as a bridge to safely transfer files to and from sensitive networks, implementing network segmentation and enabling API-less integration with 3rd party applications. The solution monitors multiple untrusted incoming files sources, automatically invokes GateScanner® CDR, enforces policy, and delivers the disarmed files to the trusted destination. Solution is highly scalable and modular allowing integration of GateScanner® CDR with complex, highly secure network topologies.

Gate Scanner® Appliance Security



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

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

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GateScanner® CDR Features

- ✓ **File Deconstruction:** Disassembles complex files to seek deeply hidden threats
- ✓ **Deep Threat Scans:** Dramatically Increases threat detection rates and prevents file spoofing using multiple AV and multiple True Type scans
- ✓ **File Disarm:** Removes ("Sanitizes") potentially malicious elements, scripts, macros, links, while keeping trusted content and restructuring files to disrupt the integrity of deeply hidden malicious code
- ✓ **File Reconstruction:** Reconstructs into a harmless file, maintaining visibility and usability
- ✓ **External Tools Integrations:** Integrates with external security solutions, such as Sandboxes, Next-Gen AVs

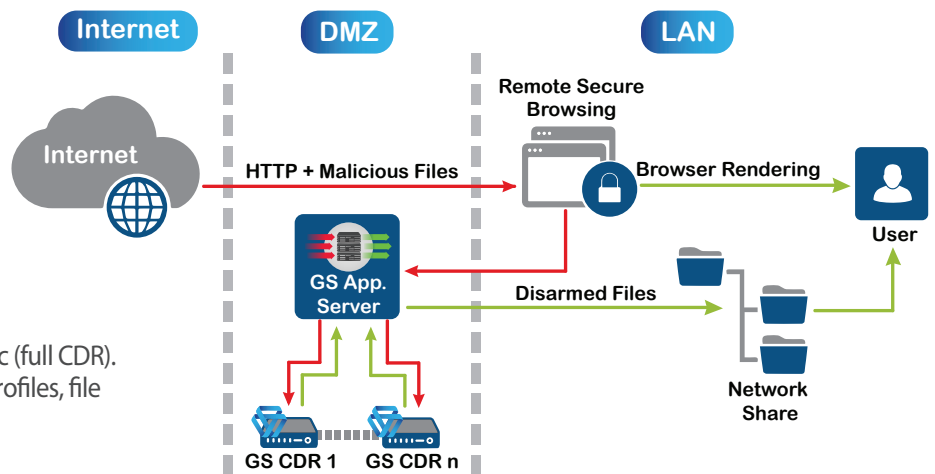
GateScanner® Application Server Technical Features

- ✓ **Supported file sources/destinations:** FTP, FTPS, SFTP, UNC, SMB, shared/local folders
- ✓ **Seamless integration with GateScanner® Injector:** Integrates with GS Injector optical data diode for uni-directional data transfers
- ✓ **Customized scanning policies:** Dedicated scanning policies can be defined for every source, including mapping of active directory (AD) users to individuals sources/targets with notifications upon scan completion
- ✓ **Designed for Security:** Highly modular design allow seamless integration with complex network topologies with strict security requirements, emphasizing uni-directional data flow
- ✓ **Highly scalable w/load balancing:** Easily and highly scalable without system interruptions, built in Active/Active load balancing
- ✓ **Central Management:** Central administration, detailed activity reports, interfaces with SIEM/Syslog, automated updates

GateScanner® Application Server Specifications

- ✓ **Application Server Front End (in/out service)**
Supports on premise, private cloud, HA and multi-Front End deployments
Installed on a Windows
- ✓ **Scanning Engine(s)**
Supplied as a pre-configured virtual or physical hardened appliance
- ✓ **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

Sample Deployments



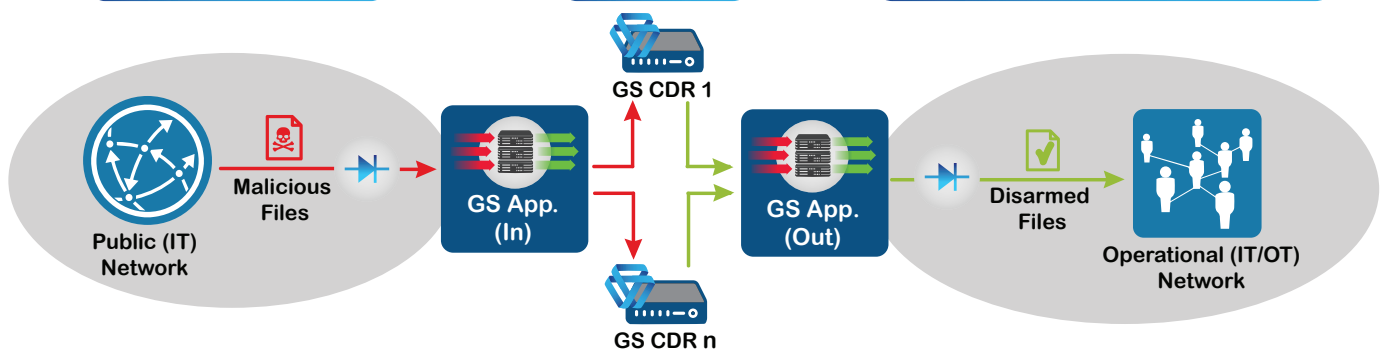
Sample #1: API-less integration with remote secure browsing

Users access the internet using a remote secure browsing solution (e.g. Citrix, Cigloo). Downloaded files are automatically disarmed using GS Application Server, and delivered to the user's home drive.

Public (IT) Network

CDR VLAN

Sensitive/Operational Network



Sample #2: Network segmentation with Data-Diodes

Users access the internet using an untrusted IT network, files are disarmed using GS App Server, with the installation divided to "in" and "out" components separated by data diodes (GS-Injector), to ensure a highly secure uni-directional delivery of the files into the operational (OT) network.

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