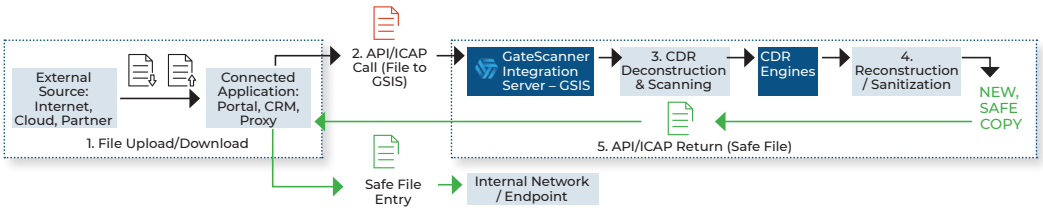
Sasa Software

GateScanner® Integration Server
Zero Trust Content Security Platform

The GateScanner (GS) Integration Server is a highly scalable, API-centric CDR solution designed for seamless, programmatic insertion of file sanitization into any application or data flow. It enforces a Zero Trust security posture by neutralizing file-borne threats proactively, making it the essential barrier against zero-day and sophisticated malware that evade traditional detection-based tools (AV, Sandboxes, EDR).



This flow illustrates the GSIS acting as a critical, high-performance security microservice within the data path.

The Architecture: CDR-as-a-Service (CDRaaS)

The GS Integration Server delivers Content Disarm and Reconstruction (CDR) via standard security protocols, transforming file security into a consumable service

Core Security Methodology (Proactive CDR)

GateScanner's CDR methodology does not rely on signatures or detection. It assumes every file is malicious and proactively ensures safety by:

1. **Deconstruction:** Dissecting the file to its fundamental components.
2. **Reconstruction:** Building a new, clean, and fully functional file from scratch.
3. **Threat Elimination:** All foreign code, exploits, and malicious objects are left behind, ensuring the new file maintains full file fidelity (e.g., retaining essential, benign macros and original formatting).

Technical Capabilities Overview

Feature Category	Technical Advantage	Description
Connectivity & Protocol	REST API & ICAP Support	Inline CDR file sanitization delivered through REST API and ICAP. Individual API keys are issued for each connected application.
Deployment Model	SaaS, On-Premise, Hybrid	Multiple delivery modes: SaaS, on private cloud, or on-prem.
File Support	300+ File Types	Comprehensive support including MS Office, PDF, EML, DICOM, AutoCAD, and custom file types.
Performance	High Capacity & HA	Features High capacity processing and Large file support. CDR engines are easily scalable with zero downtime.

Why GateScanner Integration Server?

Guaranteed Zero-Day Protection: Blocks unknown and sophisticated malware, providing protection at any point along the data flow.

API-Centric CDR: Delivered via REST API and ICAP for programmatic, universal integration.

Extreme Scalability: Easily scalable, with CDR engines that can be added 'on-the-fly' with zero downtime.

Full File Fidelity: Returns new, functionally identical copies of files after sanitization.

Unmatched File Coverage: Supports 300+ file types, including specialized formats like DICOM and AutoCAD.

Flexible Deployment: Available as SaaS, on private cloud, or on-prem.

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GS Integration Server: Architecture and Developer Integration

System Architecture Components

The GSIS solution is composed of three main logical components designed for distributed, high-availability processing:

1. GateScanner Integration Server (GSIS): The core API Gateway and Management Console. It handles all API/ICAP requests and job orchestration.
2. GateScanner CDR Engines: A grid of isolated worker processes dedicated to executing the CDR process (deconstruction, scanning, and reconstruction)19. This grid provides the solution's core scalability and processing power.
3. SQL Database: Stores system configuration, application keys, job statuses, and all logging/reporting data.

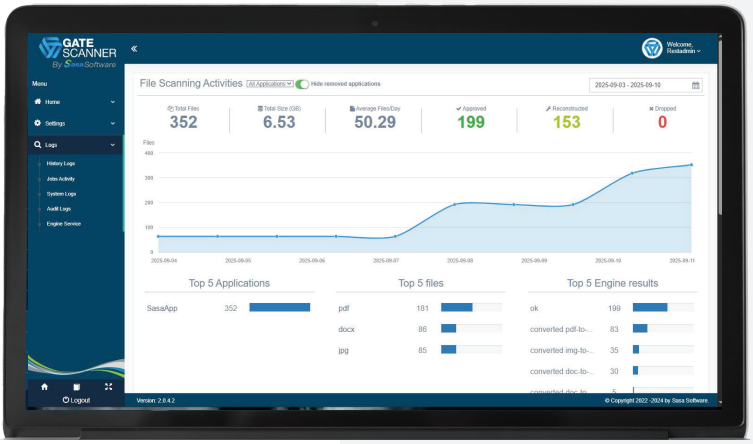
Customer Use Cases (Sanitization in Action)

Customer	Scenario	Integration Point
Airline	Secures content arriving through its online chatbot, prior to entry into the cloud-based CRM.	REST API
Defence Plant	Secures CRM outputs to clients and supply-chain partners, by routing data through the GSIS prior to send.	REST API
Government Agency	Secures all web downloads by routing them through the GSIS (via ICAP) after a proxy server.	ICAP
Large Bank	Sanitizes user downloaded files imported from a web isolation solution into organizational endpoints.	REST API/ICAP

Management and Operability

The solution offers robust monitoring and policy controls through the management console.

- **Centralized Web Console:** Provides a single pane-of-glass dashboard for monitoring file flow, system health, and managing applications/policies.
- **Dashboard Metrics (Example):** Displays counts for Scanned Files, Approved, Reconstructed, and Dropped.
- **Logging and Audit:** Generates detailed Scanned Files History with Job ID, Result, Created Time, and the individual API Key used.
- **Server Health:** Monitors system health, including integrity checks, server resource usage, and Engine connections.



About Sasa Software

Sasa Software (est. 2013) develops advanced cybersecurity solutions that prevent file-based attacks across email, file-shares, web uploads/downloads, and portable media.

The GATESCANNER® suite, powered by native Content Disarm and Reconstruction (CDR) technology, is trusted by over 400 organizations worldwide in sectors like defense, government, healthcare, finance, energy, and critical infrastructure.

Headquartered in Israel and ISO 27001 certified, Sasa Software has been recognized by Gartner (2020) and Frost & Sullivan (2017), offering flexible deployment models (on-premises, cloud, hybrid) with seamless integrations, including Microsoft 365, for secure digital file exchange.