GATE SCANNER
by Sasa Software
Mail Gateway

## Defeat weaponized email attacks!

The State of Affairs

Email is a critical communication channel making it the primary attack vector on organizations. Cybercriminals create highly targeted socially engineered attacks using increasingly sophisticated threats to enter through this route. Weaponized emails containing zero-days, exploits, and evasive malicious code continually overcome the reactive detection measures provided by Secure Email Gateways (SEG), leading to the continued rise in data breaches and ransomware incidents.
A new approach is needed, focusing on proactive prevention.

GateScanner® Mail Gateway

GateScanner Mail provides a proven and award-winning solution to secure the organization's email, dramatically improving upon the results achieved by other technologies. Instead of relying on reactive detection, GateScanner leverages Content Disarm and Reconstruction (CDR) to ensures security by applying highly optimized scanning technologies including NextGen detection to pre-filter threats, and proprietary file disarm to proactively defeat undetectable attacks. In this way, GateScanner Mail prevents exploits and weaponized content that has never been seen before, including APTs and ransomware while maintaining full file fidelity, usability, visibility, and functionality.

GateScanner Mail – Direct integration with O365

Sender — Malicious e-mail → Office 365 → Disarmed e-mail → Receiver

.EML Message

GateScanner Cloud
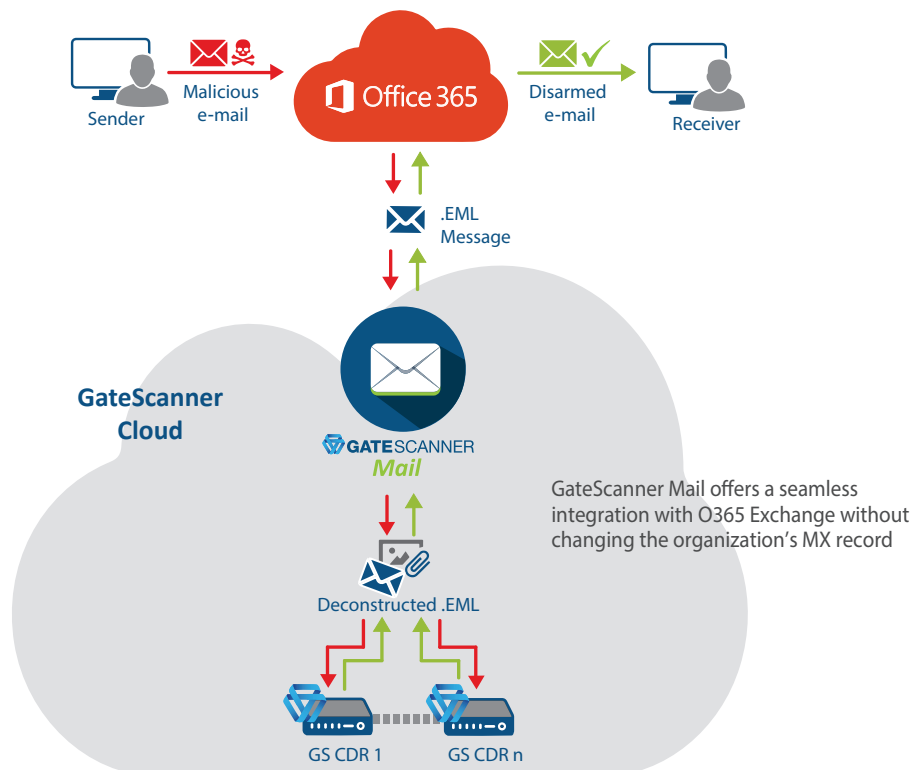
GATESCANNER *Mail*

GateScanner Mail offers a seamless integration with O365 Exchange without changing the organization's MX record

Deconstructed .EML

GS CDR 1   GS CDR n

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 *Mail Gateway*

GateScanner® Mail Gateway Highlights

✓ **Real-Time Cloud Mail Security** powered by Cyren® GlobalView™ threat intelligence

✓ **Multiple Integrations** full Secure Mail Gateway (SEG), Mail Transfer Agent (SMTP bridge), direct integration into O365 Exchange

✓ **Scalable, Flexible deployments** Highly scalable, multiple tenants/domains, available as a service, private cloud, and on-premise

✓ **Proprietary Email Reconstruction** according to RFC 2822 seeks deeply hidden threats and disarms the entire email message: HTML body, header, embedded elements, not just the attachments

✓ **Scans Password Protected Files** with a unique mechanism allowing users to supply the file passkey, enabling scanning of encrypted files

✓ **Ensures emails are threat-free and protects your privacy** GateScanner CDR detects and prevents advanced malicious code using highly evasive techniques, including file spoofing, payload insertion, BASE64 encoding, and ensures privacy by cleaning email of tracking pixels/links

GateScanner® Mail Features

	Standard	Pro	Gateway
Direct Office 365 Exchange Integration	✓	✓	✓
Proprietary EML Deconstruction	✓	✓	✓
Multiple True File-Type Identification	✓	✓	✓
Highly optimized Multi AV scans (5-7 AVs)	✓	✓	✓
NextGen AV detection (1-2 NGAVs)		✓	✓
Content Disarm & Reconstruction (CDR)		✓	✓
Password protected attachment decryption		✓	✓
Deep Content URL categorization (email body and inside of attachments)			✓
Real-time IP reputation			✓
Advanced Anti-Phishing			✓
Anti-Spam + Virus Outbreak Detection			✓
Anti-Spoofing (DKIM/DMARC/SPF)			✓
External domain blocklists (DNSBL)			✓

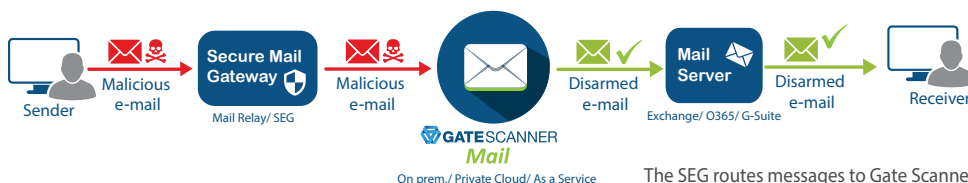### Sample Email Deconstruction
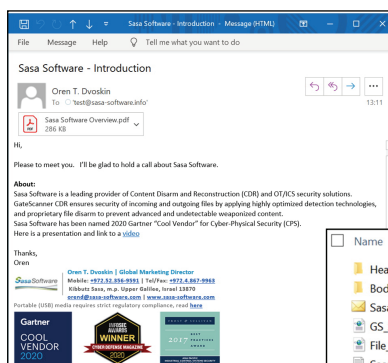
One message, multiple attack vectors
An email message as deconstructed by GateScanner® Mail

GateScanner® Mail as MTA

The SEG routes messages to Gate Scanner Mail via SMTP redirection.
GateScanner Mail deconstructs the .EML and applies CDR on every embedded element.
The disarmed message is forwarded to the organization's Email Servers

GateScanner Mail Specifications

✓ **Scanning* performance (one GateScanner Mail Front-End with Full CDR):**
Up to 100,000 emails/hour with 7 GS Engines (50,000/hr with 4 GSE, 20,000/hr with 2 GSE)
Based on emails with 15% attachments (1/3 Small < 1MB, 1/3 Medium 1-5MB, 1/3 Large 5-15MB)

✓ **Deployment Options:** As a Service, Private Cloud, On-Premise

✓ **GateScanner Mail Front-End:** Installed on a Windows Server (2012 R2 onwards)
Requirements: 8 vCores, 16 GB RAM, 600 GB HDD (SSD recommended)

✓ **GateScanner Engines:** Supplied as a preconfigured virtual appliance based on Windows IoT
Requirements: 4 vCores, 8 GB RAM, 60 GB SSD

✓ **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

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