GATE SCANNER by Sasa Software *Imaging Gateway*

BAVELLE TECHNOLOGIES

GateScanner Imaging Gateway

Securing incoming diagnostic imaging data

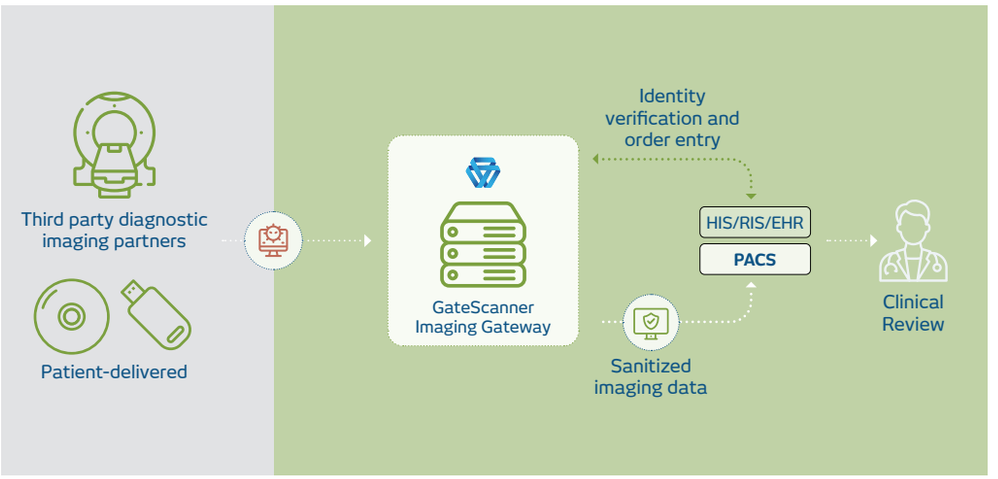
Imaging: the unguarded gate

Healthcare is one of the most targeted - yet under-prepared - critical sectors, suffering from a deluge of ransomware attacks and data breaches with potential to cause life-endangering disruption of service and ensuing legal, regulatory, and financial repercussions. The average cost of a healthcare breach today is estimated at $10 million.

The wide-spread practice of delivering imaging studies on detachable media - CD/DVD/USB sticks – creates opportunity for unauthorized access and infection of healthcare networks via infected media. Direct transfers of imaging data between external diagnostic testing partners and healthcare provider networks are also prone to attack, due to the following issues:

- **The format**. Imaging data is encapsulated in DICOM file format that standard anti-malware tools are not capable of accessing or disinfecting. Incoming DICOM files are currently being passed, **unchecked**, into the PACS.
- **Accompanying file**s. Imaging-bearing media will include viewer applications that can easily harbor malware.
- **The production environment**. While imaging data is increasingly being sourced from third party diagnostic testing partners, healthcare providers must assume that all imaging data arriving from external providers is potentially compromised.

The Solution



GateScanner® Imaging Gateway provides a simple path to securely receive DICOM files from external sources. GateScanner's advanced, deep deconstruction capability analyzes every DICOM file, removing any non-DICOM content and attached executables while strictly maintaining the clinical integrity of the core imaging data.

Highlights

- Mitigates cyber-risk from incoming imaging data.
- Supports healthcare integration initiatives by allowing safe, remote upload of imaging data to the organizational PACS.
- Provides cost savings and improved error prevention due to reduced need for manual processing of incoming physical media and administrative data.

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.

www.bavelle.com info@bavelle.com

Features in detail

- Enables staff and patients to safely upload imaging studies from portable media, from the home or clinic, providing automatic identity verification against the hospital's HIS/RIS systems in the process.
- Provides DICOM sanitization to direct data transfers between third-party diagnostic testing partners and healthcare providers*.
- Features full administrative visibility and compliance through activity logs and reports
- Deployment options include on-premises and on private-cloud, for best performance, privacy and security.
- All GateScanner installations feature Sasa Software's renown approach to customization, putting the organization's particular requirements at top priority

GateScanner Imaging Gateway is currently implemented in production in leading medical centers in Israel including Sheba Tel Hashomer City of Health, Tel Aviv Sourasky Medical Center (Ichilov) and Assuta Medical Centers.

System requirements

Front End Server (GSIG) Web Portal (Virtual):

Windows Server 2019 or 2022

Memory: 16GB

CPU: 8 vCores

HDD (SSD or equivalent):

C:\ partition (System/OS): 200GB

D:\ partition (Data & SQL): 500GB

Back End – DICOM Server (Virtual):

Windows Server 2019 or 2022

Memory: 16GB

CPU: 8 vCores

HDD (SSD or equivalent):

C:\ partition (System/OS): 200GB

D:\ partition (Data & Backup): 1TB

Main features

- World-first, proprietary DICOM deep-threat inspection and malware mitigation with Multi-AV scans and Next-Gen detection.
- Automated patient identity verification, comparing the DICOM files' demographic data with organizational patient records (EHR/HIS/RIS).

Sasa Software

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About Sasa Software

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

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