DATA PROTECTION

GS Lab | GAVS' End-to-End Cybersecurity Services for Healthcare

In today's threat landscape, understanding the risks that organizations and customers are exposed to is critically important, especially in the Healthcare Industry. The increasing use of IoMT devices in healthcare has made it easier for cybercriminals to exploit and profit from device vulnerabilities. Ransomware tops the list of cyberthreats for healthcare organizations.

The healthcare industry has become one of the primary vectors for cybercriminals to gain access to customer data and sensitive private information. With larger numbers of people taking a more proactive role in their own health & wellbeing, and with the increasing adoption of connected medical devices, it is important to consider risks involved in connectivity and the underlying infrastructure.
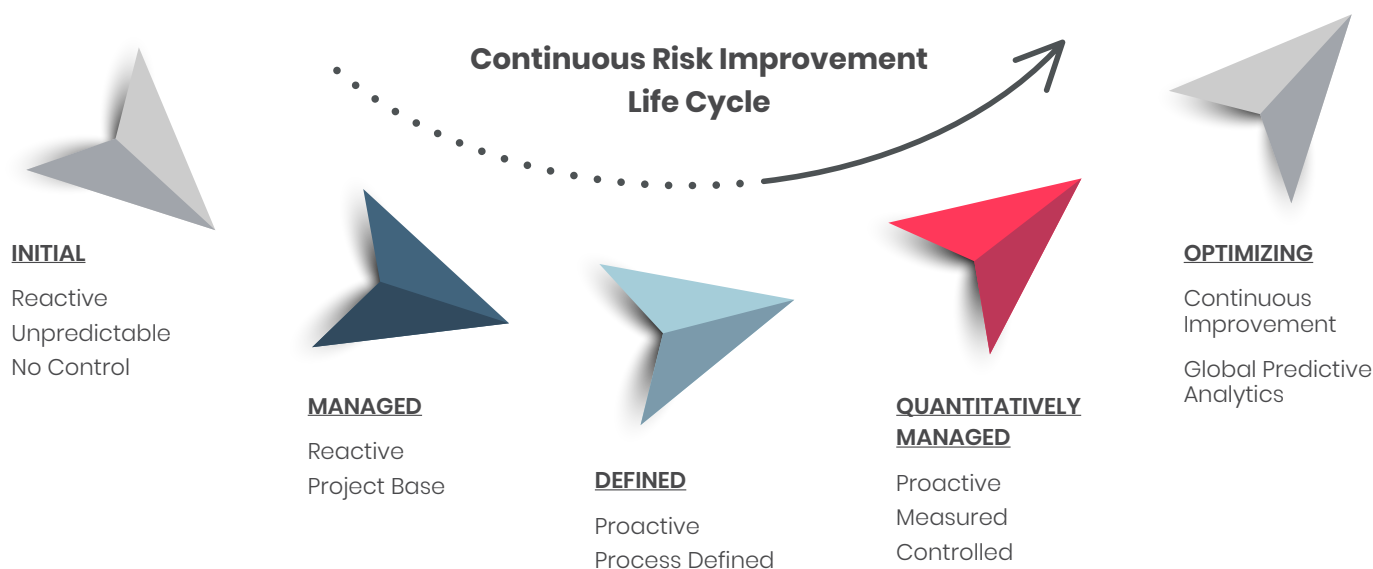
Losing access to medical records and lifesaving medical devices, such as when a ransomware virus holds them hostage, will deter the healthcare provider's ability to effectively care for their patients. At GS Lab | GAVS, a unique mix of clinical and technical expertise enables us to provide a holistic view of the expanding cybersecurity needs in the healthcare space and to fortify perimeters with our cybersecurity services to healthcare clients across the globe.

Common Challenges in Healthcare

A common concern in the healthcare industry is HIPAA violations. The good news is that cybersecurity platforms can be easily configured to support HIPAA security and privacy requirements. This brochure outlines such configurations and will review the bigger picture as applicable in an over-arching security architecture.

COMMON THREATS

Ransomware
400
Number of hospitals impacted by a ransomware attack on one major hospital system[1]

Phishing
700% increase
In COVID-themed phishing emails directed towards the healthcare sector and general public[2]

Data Breach
12.6 million
Number of individuals affected by 162 hacking incidents on healthcare entities within a three month period[3]

TARGETED DATA

Personally Identifiable Information (PII) — Protected Health Information (PHI) and other health care records — Payment Information — Business Intelligence — Intellectual Property

Improving Security Confidence across Customers

Continuous Risk Improvement Life Cycle

INITIAL
Reactive
Unpredictable
No Control

MANAGED
Reactive
Project Base

DEFINED
Proactive
Process Defined

QUANTITATIVELY MANAGED
Proactive
Measured
Controlled

OPTIMIZING
Continuous Improvement
Global Predictive Analytics

While privacy and security risk can be managed, it cannot be eliminated. Yet, healthcare organizations need to have the confidence that their risks are being managed to enable secure, compliant operations on an ongoing basis. Customers depend on healthcare services and trust that their information will be kept private and secure. They also need the confidence that healthcare providers have the governance and supporting infrastructure in place to adhere to a growing number of industry requirements. Privacy and security are not one-time activities. They must be addressed in a lifecycle approach that involves management, technical, and physical aspects of the organization.

GS Lab | GAVS performs thorough end-to-end assessment of organizations and their federated partners to identify areas that are lacking controls and addresses those gaps with appropriate strategy and controls.

GS Lab | GAVS' Core Services

Data Privacy

Privacy Implementation
(GDPR,CCPA, PDPB)

Data Classification

Privacy Policies and Standards

Privacy by Design | PIA | DPA | DTA

Privacy Incident Management

HIPAA HITECH

GRC

Risk Management

Compliance Testing

Policies & Standards

Data Security Governance

Audit & Certification

Training & Awareness

Security Assurance

Digital Identity

MFA

IAM Governance

Privilege Access
Management(PAM)

Tools & Automation

RBA/RPA

Resilience

Digital Certificate | SSL

Cyber Resilience

Threat Intelligence Services

Social Engineering

RED Teaming

Risk Oversight, Consulting
& Advisory

Incident Management
& Response

Infra Security

SOC

Data Center Security

System Security

Infra & Network Security

Security Engineering

Endpoint Security

Encryption

Vulnerability Management

SAST

DAST

Pen Test

Infra Vulnerability Scan

Application Security

Mobile & Container Security

Success Stories across the Healthcare Continuum

One of the busiest hospitals in NY servicing more than 1 million outpatients each year

❖ Expanded IoCs to proactively block nation/state sponsored &healthcare/HDO specific attacks
❖ Saved $100k to $175k in annual costs through O365 secure texting platform
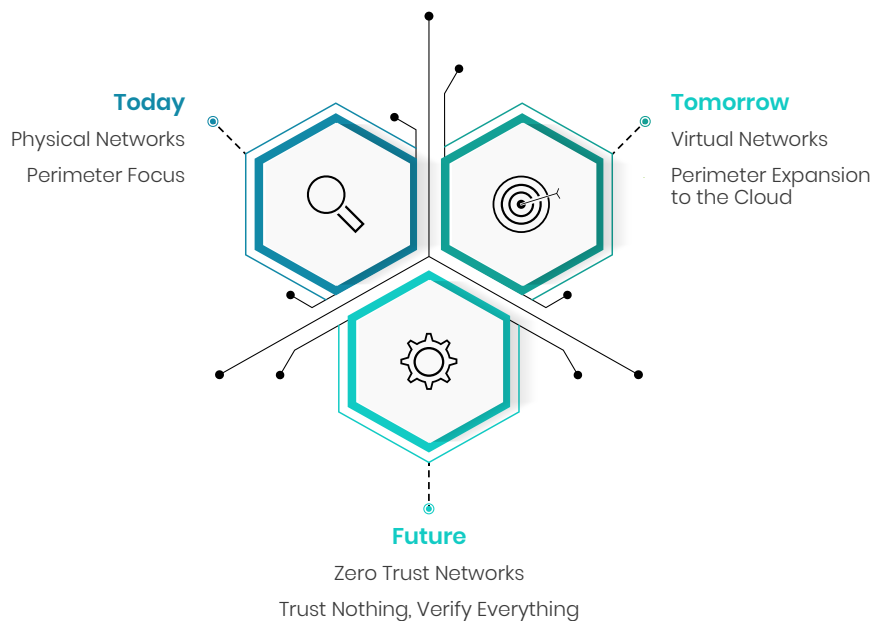❖ Increased ability to predict threat landscape & scale security initiatives

Leading healthcare insurer serving more than 1.2 members in New York

❖ Experienced a 35% reduction in false positives from SIEM and FIM
❖ Enhanced business assurance through triaging of numerous incident trails
❖ Reduced incident response time significantly

One of the largest health and human services agencies in the U.S., with a 140+ year history

❖ Benefitted from ~1.6M annual savings in cost of safeguard
❖ Expanded IoCs to block healthcare & other adversaries
❖ Increased ability to predict threat landscape & scale security initiatives
❖ Handled emerging threats rapidly through unified view of entire digital estate

Moving towards Digital Security Transformation

Today
Physical Networks
Perimeter Focus

Tomorrow
Virtual Networks
Perimeter Expansion
to the Cloud

Future
Zero Trust Networks
Trust Nothing, Verify Everything

Our Levers	Our Differentiators
❖ Aligned to industry-leading frameworks such as Gartner's CARTA	❖ Empowerment of the three pillars - People, Process & Platform
❖ AI-enabled security operations leveraging our global alliances	❖ Diverse industry experience in frontline security operations
❖ Automation platform with response work flows for 350+ use cases	❖ Strong references for Consulting and Managed Services
❖ Follow-the-sun global delivery model; delivery locations across NAM, APAC, ME	❖ Security services powered by AI & Automation
❖ SOC analysts with deep domain expertise, rich consulting experience	❖ Product & technology-agnostic security consultants & analysts
❖ Both offensive & defensive (red & blue) security teams	❖ HIPAA, PCI-DSS, ISO industry certifications
❖ Security CoE with standard templates, playbooks, latest defense techniques	❖ Consistently recognized by Analyst firms like Everest, for IT Security

Today's choices for mobility, cloud, infrastructure, communications, applications, and operations are mission-critical for small, mid-sized, and large enterprises. GS Lab | GAVS is leading the transformation into Technology Solutions as a Service with our tech-enabled managed services portfolio and a commitment to technology innovation, operational excellence, and client intimacy. Recognized by industry leaders and industry-leading publications, GS Lab | GAVS has two decades of operating history delivering exceptional client experiences that directly result in competitive advantage, cost-savings, growth, and improved operational efficiencies - with steely focus on first establishing a robustly secure enterprise.

gslab | GAVS

GS Lab | GAVS is a global technology company focused on creating business impact for its 200+ customers across the USA, Europe, the Middle East, and APAC. It offers digital product engineering, AI-led managed services, and digital transformation services to customers across BFSI, healthcare, communications, and high-tech segments. With 4000+ technologists and a strong talent grooming engine, it is a trusted growth partner to its customers.

The company focuses on deep tech engineering skills, innovative win-win business models, and customer success. Its IPs, such as ZIF™, zIrrus, Rhodium, and zDesk, help accelerate technology adoption and reduce inefficiencies in operations.

For more information on how GS Lab | GAVS can help solve your business problems, write to healthcheck@gavstech.com
or visit us at www.gavstech.com/healthcare