



Secure and Accelerate Healthcare Experiences

Gain a vital perspective of your hybrid healthcare environment with ExtraHop Reveal(x).

Healthcare delivery organizations (HDOs) exist in a complex reality. While patient care and outcomes are central to your mission, you must also comply with strict regulations around data privacy, manage razor-thin operational margins, and deliver on patient experience.

Healthcare IT—encompassing network and security functions— is challenged with driving the digitization of care delivery workflows while ensuring performance and security. Complicating this effort is the exponential growth of unmanaged network, IoT, and medical devices, as well as a rising dependency on third-party providers for crucial care services.

The Challenge: The New Healthcare Reality

Already under pressure, the response to the COVID-19 pandemic has further increased demands from patients and providers, including the quick expansion of telemedicine and staff working from home.

This new reality requires HDOs to rapidly scale while keeping uptime and cyber-defenses ironclad—without added budget or resources. Going forward healthcare organizations will increasingly turn to the cloud to modernize operations and accelerate major initiatives. The stakes couldn't be higher to:

Safeguard sensitive data outside clinical settings without reducing the effectiveness of existing security controls and operational resiliency measures.

Control costs and find efficiencies in IT budgets while under constant pressure to prioritize dollars spent vs patient care experience.

Defend against new phishing scams, ransomware and malicious attacks targeting staff and patients.

Meet increased access, telemedicine and mobility requirements under extraordinary traffic volumes when the slightest application latency or unreliable VPN connection can jeopardize patient access to quality care and positive outcomes.



Every dollar spent on IT should positively impact healthcare outcomes.

The Opportunity: Closer Collaboration, Lower Risk, and Faster Response

To deliver high quality, timely, and positive patient outcomes, healthcare organizations rely on complex hybrid infrastructures with a mix of modern and legacy applications, cloud services, and connected medical devices. However, healthcare IT security, cloud, and network operations—whether as different functional teams or individuals wearing multiple hats—often act like siloed entities.

Bringing groups, processes, and disparate tools together will boost your HDO's ability to deliver the best possible patient experience by providing faster answers to unplanned downtime, strengthening security measures, and achieving greater efficiencies.

UNIFY VISIBILITY AND IMPROVE CYBER HYGIENE

Visibility is the cornerstone of risk management frameworks like HITRUST CSF, NIST, and MITRE ATT&CK. Gaining complete, real-time visibility is critical to prove compliance and defend against cyber-threats.

- Clinical and administrative workflows that span numerous systems and apps, on-premises servers, and cloud-based resources require greater visibility
- Accurate, up-to-date and complete asset inventory is required to improve security and system health audits.

TAKE AWAY

Healthcare IT functions that closely collaborate to identify gaps, blind spots, and uncover threats will increase the speed and scale of patient care.

OPTIMIZE SECURITY AND IT OPERATIONS

The pervasiveness, velocity, and scope of today's sophisticated threats necessitate greater communication and an integrated approach across lean healthcare IT teams.

- War rooms and the blame game slow response times and distract from resolving incidents and delivering major initiatives.
- Patient-care advancements have led to decentralized healthcare delivery with separate centers of excellence for network, cloud, and security operations and result in disparate cultures and processes.

TAKE AWAY

Healthcare IT teams that break down silos by standardizing on a single source of truth will eliminate operational friction and boost productivity.

INSTITUTE REAL-TIME DEVICE AND IOT AWARENESS

Healthcare has adopted IoT devices to improve patient care and safety—nearly 60% of HDOs incorporate connected devices accounting for 40% of all IoT devices in the world.²

- Unmanaged and unmonitored connected medical devices (IoHT/IoMT) and IoT are insecure and easy targets.
- Encrypted traffic leads to dark spaces that can be exploited by attackers to gain access.

TAKE AWAY

Healthcare IT leaders who have real-time and comprehensive visibility and monitoring of all east-west network traffic will reduce their overall risk from IoT devices.

The Solution: Reveal(x) Cloud-native NDR for Healthcare

ExtraHop Reveal(x) cloud-native network detection and response (NDR) provides vital intelligence to understand hybrid healthcare environments from the inside out to find threats before they cause damage.

Securing modern healthcare organizations means protecting remote workers, care facilities and clinics, and a complex distributed web of workloads and applications, with data spread across edge, core, and cloud deployments.

Reveal(x) passively monitors your network and analyzes all network interactions to deliver complete visibility, real-time detection, and intelligent response. Troubleshoot and solve problems ranging from slow applications to addressing security gaps and investigating threats in both the east-west and north-south corridors.

Achieve 360-degree visibility, threat detection, and response to quickly investigate detections with an integrated workflow in a single interface to gain unparalleled insight across the hybrid network, cloud workflows and IoT devices.

Detect suspicious activity that otherwise goes unseen using machine learning and advanced behavioral analysis. Identify threats and anomalies with high fidelity including within SSL/TLS encrypted traffic, command and control, brute force, lateral movement, privilege escalation, unusual protocol communication, and data staging and exfiltration.

Streamline operations with accelerated investigations and remove the need for multiple point solutions. The associated packets for any incident just a click away—no war rooms, no waiting on other teams.

Eliminate Blind Spots

Continuous visibility across all devices and workloads

Monitoring of all East-West and North-South Traffic

Line-rate decryption of SSL/TLS 1.3 encrypted traffic

Detect Threats That Other Tools Miss

Cloud-scale ML applies over one million predictive models

Threat intelligence derived from petabytes of data per day

Behavioral analysis using more than 5000 features of data

Act Quickly to Defend Your Business

Investigate from detection to forensics in a few clicks

Integrated response automation to immediately act on threats

86% REDUCTION IN UNPLANNED DOWNTIME.

95% SPOT ISSUES FASTER.

59% REDUCTION IN TIME-TO-RESOLUTION

ACCELERATE YOUR SUCCESS WITH EXTRAHOP REVEAL(X) ADVISOR

ExtraHop is on a mission to stop advanced threats with security that can't be undermined, outsmarted, or compromised. Our dynamic cyber defense platform uses cloud-scale AI to help enterprises detect and respond to advanced threats—before they can compromise your business. When you don't have to choose between protecting your business and moving it forward, that's security, uncompromised.

¹Internet of Things in Healthcare: What are the Possibilities and Challenges?

²Fast Facts on Internet of Medical Things (IoMT) Innovation

ABOUT EXTRAHOP NETWORKS

Cyber attackers have the advantage. ExtraHop is on a mission to help you take it back with security that can't be undermined, outsmarted, or compromised. Our dynamic cyber defense platform, Reveal(x) 360, helps organizations detect and respond to advanced threats—before they can compromise your business. We apply cloud-scale AI to petabytes of traffic per day, performing line-rate decryption and behavioral analysis across all infrastructure, workloads, and data-in-flight. With complete visibility from ExtraHop, enterprises can detect malicious behavior, hunt advanced threats, and forensically investigate any incident with confidence. ExtraHop has been recognized as a market leader in network detection and response by IDC, Gartner, Forbes, SC Media, and numerous others.

When you don't have to choose between protecting your business and moving it forward, that's security uncompromised. Learn more at www.extrahop.com



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