

Illumio: The Prescription for Healthcare Cybersecurity

Keeping patient records, administrative systems and medical devices up and running is vital. Illumio Zero Trust segmentation provides the security needed to ensure confidence and care.

The Insecure World of Healthcare

In the healthcare sector, security isn't just nice to have — it's a must-have. Healthcare organizations need their IT systems fully available and their data accurate 24x7x365. Unfortunately, healthcare organizations are also prime targets for cybercriminals.

Since the start of the global pandemic, hackers have dramatically stepped up the number, frequency and type of attacks they launch. When these attacks target healthcare, they can halt hospital operations, threaten patient privacy and put lives at risk.

While the healthcare industry is heavily regulated, significant confusion still remains over who's responsible for compliance and security. That's because healthcare technology is fragmented, and users accessing its data are diverse. To keep their infrastructure and data safe, healthcare providers need a new approach to security that can stop modern threats.

Another threat facing healthcare is driven by the high number of mergers and acquisitions. These transactions affect insurers, service providers and even medical suppliers, meaning data security becomes even more diluted and open to risk.

Illumio: Meeting Healthcare's Security Challenges Head-On

For healthcare organizations, Illumio provides the simplest way to deploy Zero Trust segmentation with quick and easy steps to get started. As your company matures its security operations, you can progressively deploy segmentation policies that are tailored to your needs.

Illumio allows you to test each policy thoroughly before deploying into enforcement, ensuring no disruptions for applications or other key systems.

Budgets are another key issue for healthcare organizations, and Illumio can help here, too. You can deploy Illumio's products quickly and safely, reducing a project's overall cost. Illumio requires few if any infrastructure changes, making management and scaling far easier.

By simplifying the policy process and including the teams that are responsible for application management and development, Illumio helps security, IT and software development teams work better together to protect the organization.

How Illumio Helps Healthcare Organizations Stay Secure

Risk-Based Visibility

Map all communications across applications, devices and cloud platforms. Know your vulnerable pathways to prioritize your security efforts.

Ransomware Containment

Block unsafe network communications and integrate Illumio data into SIEM and SOAR tools. Prevent attacks from spreading.

Simpler Policy Creation

Define a policy to automatically generate the required rules. Enforce the policy in any cloud, data center or network. Gain full control over what talks to what.

How Illumio Simplifies the Path to Zero Trust Security

Fast and simple segmentation helps healthcare providers stop cybercriminals from moving freely across their networks

By using the Illumio product suite, healthcare organizations can dramatically accelerate and simplify their path to Zero Trust protection. That's vital given the importance of healthcare information and the requirement to keep patient data secure and private.

Illumio's segmentation approach addresses a key vulnerability of healthcare. Because the industry's systems, networks and technology are spread across so many geographical locations and diverse computing environments, they're "soft" targets. Cybercriminals have numerous points of opportunity to attack, including email, credentials and passwords.

Once criminals exploit these weaknesses to breach the network, they can freely move inside a provider's network — unless, that is, they're stopped by Zero Trust security.

Then criminals can hide for weeks, even months, as they map the organization's high-value assets, steal valuable data, and decide when to strike with ransomware. When they do strike, they will already be deeply embedded in your network, leaving you at a dangerous disadvantage.

Illumio Zero Trust segmentation stops attackers and their malware from moving laterally. This reduces possible pathways of travel and lowers overall risk by lessening the impact of a breach.

Illumio technology helps healthcare providers understand all ports, processes and connections used by their application workloads, including interrelationships and potential vulnerabilities.

With this information, Illumio computes and enforces accurate security, adapts to application and infrastructure changes, and prevents the lateral spread of any cyberattack.

Illumio can also automate the enforcement of security policies across an entire organization, making it easier to stop cyberattacks and keep healthcare organizations and their patients safe and secure.



“With Illumio, we had production assets enforced and under control in months, fulfilling our need to move faster and further our Zero Trust posture.”

— **Andrew Dell**
Chief Information Security Officer
QBE Insurance Group

Build Stronger Digital Defenses

Learn more about how Illumio helps healthcare organizations secure their information systems and achieve compliance.

Visit:
www.illumio.com/solutions/healthcare

About Illumio



Illumio, the pioneer and market leader of Zero Trust segmentation, prevents breaches from becoming cyber disasters. Illumio protects critical applications and valuable digital assets with proven segmentation technology purpose-built for the Zero Trust security model. Illumio ransomware mitigation and segmentation solutions see risk, isolate attacks, and secure data across cloud-native apps, hybrid and multi-clouds, data centers, and endpoints, enabling the world's leading organizations to strengthen their cyber resiliency and reduce risk.