**Objective**

Expedite healthcare IoT security and segmentation projects while providing confidence in continuous medical services.

**Client: US Hospital**

**The Problem**

Healthcare IoT devices rely on internal and external connections for standard operations. Enforcing segmentation policies without disrupting critical medical services is difficult and can take over a year. IT teams need dedicated time and tools to be able to:

- Map complex medical device communications
- Analyze communications data and classify as standard/permissible or malicious/suspicious
- Continuously monitor dynamic networks and refine policy

**Cynerio Solution**

Use the Virtual Segmentation capability to define, test, and monitor segmentation policies for violations before pushing to live clinical network environments.

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**Standard IT/IoT Security Solutions Lack Insight and Risk Disrupting Medical Services**

Most hospitals struggle to protect their clinical networks and connected medical devices. Standard IT/IoT security solutions lack insight into the unique complexities of medical devices and their required communications. Implementing a solution without taking medical device behaviors into account risks disrupting medical services and negatively impacting patients. Because of this, confidently implementing a security program is extremely time consuming and often dropped, leaving inherently vulnerable clinical networks exposed to cyber attacks.
Cynerio is the world's premier medical-first IoT cybersecurity solution. We view cybersecurity as a standard part of patient care and provide healthcare delivery organizations with the insight and tools they need to secure clinical ecosystems and achieve long-term, scalable threat remediation without disrupting operations or the delivery of care.

The Challenge
Implementing a segmentation policy that lacks an understanding of clinical contexts could:
- Disrupt medical services and cause harm to patients
- Be too lenient and not follow the best practices of least privilege
These complexities make it difficult for hospitals to create a segmentation policy that can be safely enforced and can delay the execution of security programs for a year or more.

The Cynerio Solution
Cynerio's Virtual Segmentation capability automatically generates robust segmentation policies tailored to a hospital's unique clinical environment. You can monitor, test for violations, and update before enforcing them on the live network.

Result
Automatically generate north-south and east-west segmentation policies prioritized according to device criticality and medical impact, then confidently push them to NAC/firewall.

How It Works

Fast & Easy Segmentation
- Customize policies in minutes
- Complete projects in weeks
- Test for safety
- Tune up policies with one click
- Enforce with confidence
- Ensure continuous medical services

About Cynerio
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