



## Cynerio and Forescout Healthcare IoT Solution

### Enhanced Device Security and Dynamic Context-Aware Network Access Control

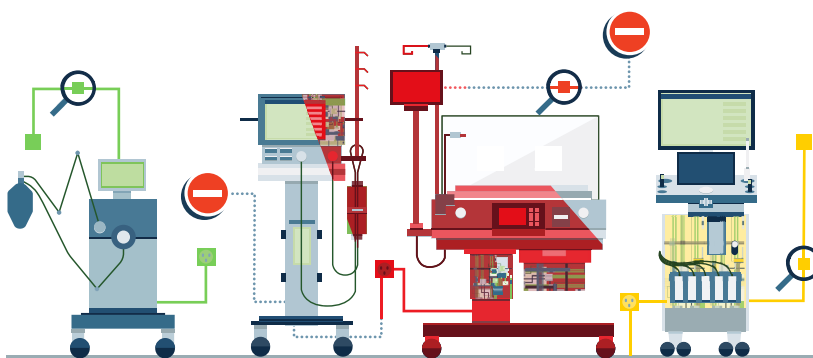
#### Executive Summary

The Cynerio–Forescout integration gives healthcare facilities actionable insights into clinically contextualized risk. Frictionless integration provides healthcare organizations with optimal, real-time connected device visibility, risk mitigation and incident response based on NIST 800-207 Zero Trust Architecture to strengthen network security, operational continuity, data integrity, and patient safety.

#### The Healthcare IoT Surge & the Expanding Threat Landscape

The growing footprint of connected medical and IoT devices has transformed the healthcare industry by accelerating medical procedures and providing patients with more control over their data, care regimens, and greater accessibility to treatment. Despite the conveniences, these advancements expand healthcare organizations' attack surfaces, exposing them to bad actors and cyber exploitation.

Widespread use of devices running vulnerable firmware or unsupported operating systems that cannot be updated leaves segmentation as the only option for mitigating risk in clinical environments. Traditional IT tools lack clinical context, require endpoint agents and are not as dynamic or real-time, so fail to successfully secure vulnerable healthcare networks. Segmenting clinical networks without a deep understanding of Healthcare IoT's unique communication patterns and network topology, device criticality and medical impact risks disrupting device functionality and jeopardizing critical medical services.



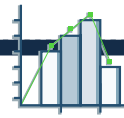
**Don't just see it.  
Secure it.  
Forescout: The Enterprise of  
Things – Secured.**

# The Power of Cynerio-Forescout Integration

## How It Works



Cynerio enriches Forescout's enterprise-wide device and network data with deep healthcare IoT medical context and visibility to provide unparalleled insights into clinical asset locations, communications, criticality and impact profiles and risk assessments.



Operational insights provide healthcare security teams with comprehensive and actionable data on medical and IoT device usage (including granular breakdowns of weekly, daily, and hourly utilization patterns), criticality and impact on patient outcomes.



Cynerio's virtual segmentation validation engine ensures confidence in clinical service continuity and patient safety when segmentation is carried out in the IoT environment. This capability automatically generates robust, hospital-specific segmentation policies that can be tested, verified, and edited before enforcement on the live network.

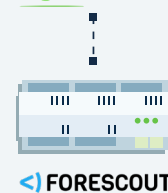


Forescout consumes Cynerio policy recommendations and can automate granular network access and segmentation policy enforcement, as well as threat response actions, all of which are triggered by real-time asset intelligence.



The integrated combination of Forescout and Cynerio enables healthcare delivery organizations to secure their enterprise-wide networks, including the complex clinical network, against cyber threats of any sophistication level.

**Cynerio**



Segment A



Segment B

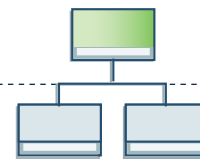
## Use Cases

### Build Security Policies Enriched with Medical Context

Hospitals using Forescout benefit from enterprise-wide IT, IoT and OT device visibility along with a centralized policy engine that enforces network access control, segmentation, device compliance and threat or incident response based on real-time asset intelligence. Cynerio's healthcare IoT security solution detects all clinical devices, identifies them and profiles their network behavior. Cynerio also creates risk scores derived from medical and IoT devices' criticality, medical impact, and inherent vulnerabilities. Cynerio enhances Forescout data with this rich medical device context to support the enforcement of granular policies and ensure continuous medical services.

### Enable Safe Healthcare IoT Segmentation

The Cynerio–Forescout integration enables hospitals to automatically enforce security policies they can be confident will protect their clinical network while ensuring uninterrupted clinical services. Cynerio utilizes its rich contextual clinical device intelligence to generate segmentation policies according to device risk and potential effects on patient safety and data. Cynerio's virtual segmentation capability enables security teams to define and validate security policies to ensure confidence that medical services will continue uninterrupted. Once validated, policies are pushed to Forescout to apply through the right enforcement points such as NGFWs, network infrastructure, etc. to control network access and segment accordingly. Policies are then continuously and automatically enforced based on real-time asset intelligence, regardless of where or when a device connects.



## < FORESCOUT.

### About Forescout

Forescout is the leader in Enterprise of Things security, offering a holistic platform that continuously identifies, segments and enforces compliance of every connected thing across any heterogeneous network. The Forescout platform is the most widely deployed, scalable, enterprise-class solution for agentless device visibility and control. It deploys quickly on your existing infrastructure – without requiring agents, upgrades or 802.1x authentication. Fortune 1000 companies and government organizations trust Forescout to reduce the risk of business disruption from security incidents or breaches, ensure and demonstrate security compliance and increase security operations productivity. For more information visit [www.forescout.com](http://www.forescout.com)

### About Cynerio

Cynerio is the one-stop-shop Healthcare IoT security platform. We provide hospitals the control, foresight, and adaptability to keep their rapidly growing IoT footprint cyber-secure in a constantly evolving threatscape. Our solutions empower hospitals to stay compliant and proactively manage every device connection with powerful IoT threat detection, mitigation, and response tools, so that they can focus on healthcare's top priority: delivering quality patient care. Follow us on Twitter [@Cynerio](https://twitter.com/Cynerio). visit us at [cynerio.com](http://cynerio.com) or write us at [info@cynerio.com](mailto:info@cynerio.com).

