

Cylera - Extreme Networks Integration

Assuring Secure Identity and Network Access Control Services for Healthcare

Cylera IoT Cybersecurity Platform for Healthcare

SAFEGUARDING WHAT MATTERS MOST™

THE CHALLENGE

Knowing the devices connected to your network and who is accessing them is a foundational control in nearly every security framework and a requirement of many regulated industries. In the healthcare and life sciences industries, the use of connected IoT, medical devices (IoMT), and IT and operational technology (OT) equipment for business efficiency has rapidly expanded. These devices are, in many cases, life-critical and business-critical. Unfortunately, many devices are both unknown and unmanaged, expanding the attack surface, leaving security and safety gaps that can threaten patient safety and privacy, and risk business continuity if unauthorized access occurs.

SOLUTION SUMMARY

The Extreme Networks and Cylera joint solution brings an easy way to holistically address these challenges through integrating Cylera's IoT security and intelligence platform to ExtremeCloud IQ-Site Engine and ExtremeControl.

The Cylera Platform uses unique, patented techniques to discover and inventory assets, examining them deeply for vulnerabilities, configuration weaknesses, risk scoring, and other attributes with zero-touch - no disruption whatsoever to the physical device.

This provides ongoing monitoring and awareness of IoT/IoMT devices ExtremeControl needs to know for managing user access security for devices it may otherwise not know.



"We in clinical engineering aren't cybersecurity specialists, we're patient care specialists."

Cylera's technology enables us to stay focused on our patients, and help IT keep our medical devices cybersafe and operational."

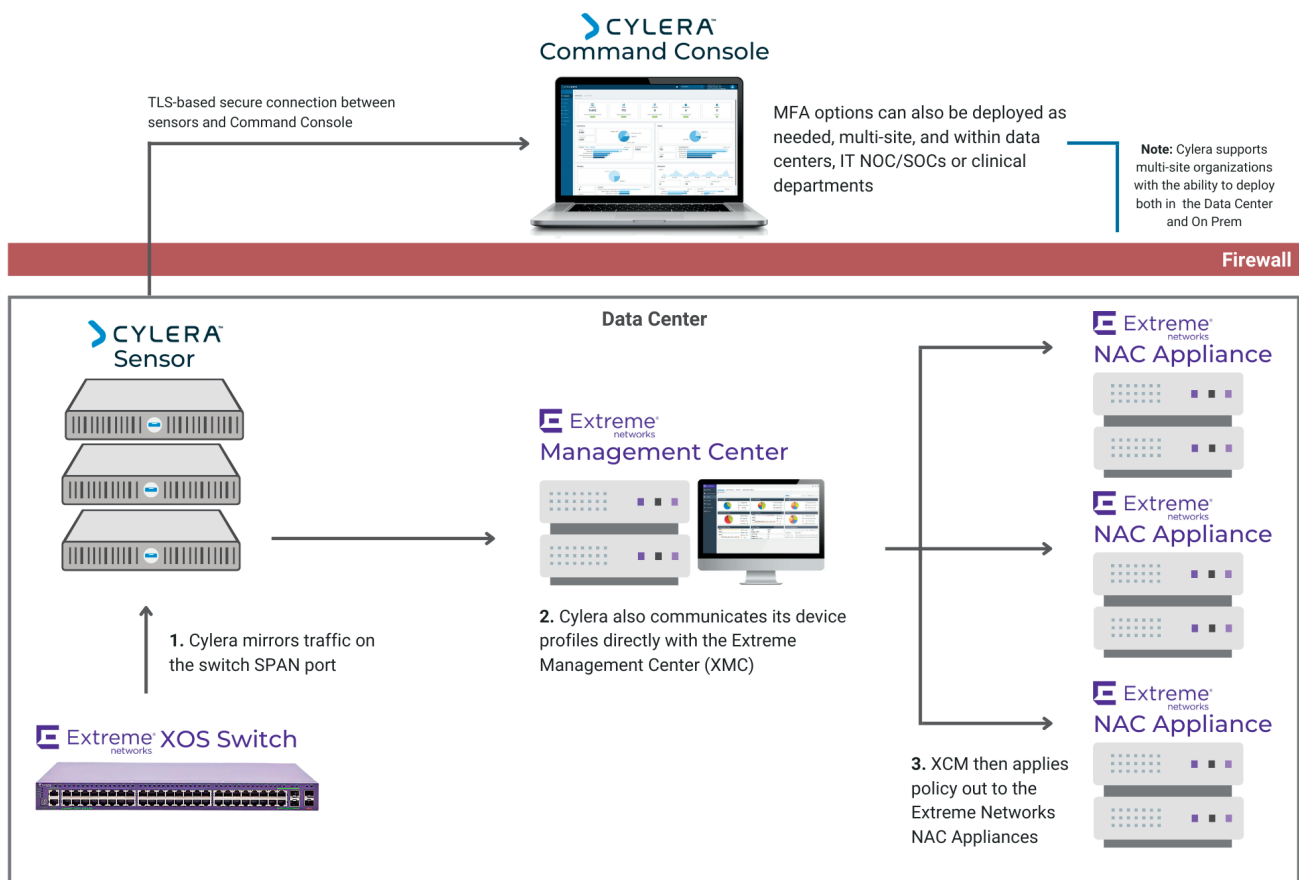
— Cylera Customer,
Northeast U.S.
Healthcare System

HOW THE INTEGRATION WORKS

As a specialist in IoT and medical device discovery and identification, the Cylera sensor passively monitors network traffic through SPAN or Tap ports on a switch and pushes detailed device profiles to the Extreme Management Center (XMC), thereby delivering the information administrators need to apply policy within the Extreme Network Access Control (NAC) appliances. In turn, Cylera can pull device attributes from ExtremeControl to assure that both systems are in sync and protect against unauthorized access.

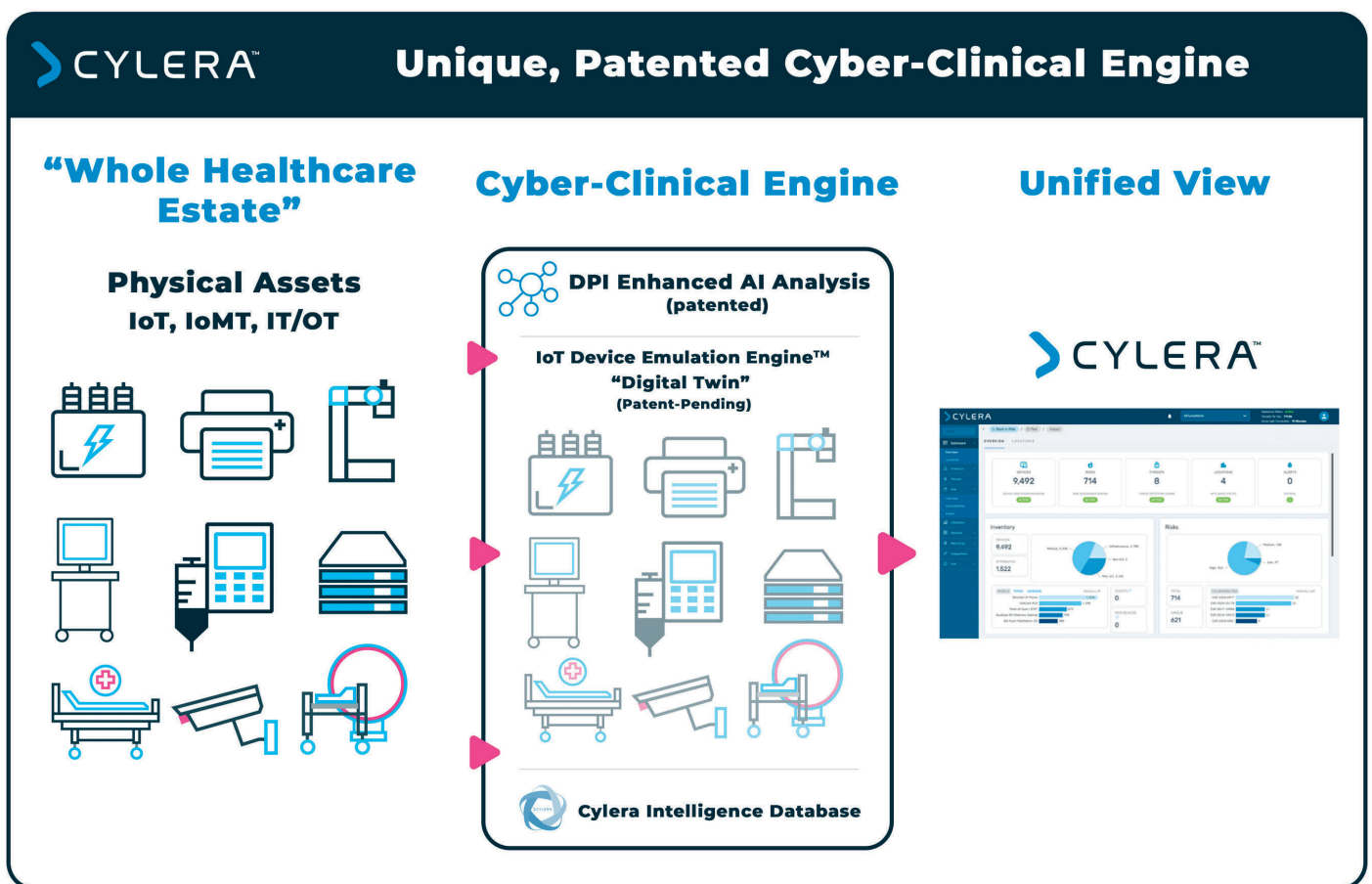
- System admins can push device profiles on demand or by set schedule to the Extreme Management Center, assuring the Extreme family of NAC appliances are aware of network assets and that the Extreme Management assets Center can manage the policies.
- Admins can also pull device attributes on-demand or by schedule from Extreme Management Center to enrich the accuracy in the inventory and the device locations of known connected assets within the healthcare enterprise.
- There is a simple technical setup guide available from Cylera for those deploying the integration

Extreme Networks Ecosystem and Cylera Reference Deployment Architecture



WHAT'S UNIQUE ABOUT CYLERA?

The Cylera platform delivers an array of capabilities: asset identification and management, network analysis, risk assessment, network segmentation, threat detection and intelligence, fleet utilization and asset and personnel optimization. All of these capabilities are undergirded by unique, patented technologies - Adaptive Data Type Analysis™ and IoT Device Emulation Engine™, plus Cylera Labs' proprietary threat intelligence database.



✓ Passive, Zero Touch to inventory physical devices

✓ No operational or patient disruption

✓ Creation of "Clone" or "Digital Twin" devices

✓ Deep vulnerability scanning of the twin, never touching the live physical device

✓ Bringing It All Together

- Centralized Console
- Asset Discovery
- Network Assessment
- Vulnerabilities
- Risk Scoring
- Remediation

Integration Highlights



Summary

The Cylera - Extreme Networks integration is a resource-efficient, clinically-aware way to discover and protect IoT and medical devices against unauthorized access, and to keep ExtremeControl fully aware of connected IoT and medical devices in the healthcare enterprise.

Cylera's integration with Extreme comes within the standard Cylera Platform at no cost and is fully supported. It requires only a couple of parameters needed from the customer site's network and no professional services on the backend to deliver a seamless experience for users. The integration can be up and running with a few clicks.

Organizations will maximize their Extreme Networks investments and achieve full visibility across the whole healthcare enterprise with more intimate understanding of the IoT and IoMT devices on their healthcare networks.

[Learn More About Cylera](#)
www.cylera.com

info@cylera.com - To get answers to your questions

demo@cylera.com - To schedule an efficient demo highlighting what you want to know

partners@cylera.com - For exploration into joining Cylera's Momentum Partner Program

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Founded in late 2017, and headquartered in New York, Cylera is the leading edge in healthcare IoT, IoMT, and OT cybersecurity and intelligence. The Cylera Platform is a centralized cybersecurity solution that secures the entire connected healthcare IoT environment from the enterprise side to medical devices providing patient care services. Cylera's patented technology delivers unique IoT device emulation, adaptive datatype analysis, and proprietary Cylera Labs global threat intelligence. Cylera is for use by IT and clinical engineering for asset identification and management, network analysis, risk assessment, network segmentation, threat detection and intelligence, and fleet optimization. Cylera delivers the strongest, most advanced healthcare IoT and medical device cybersecurity risk management solution for the industry.
www.cylera.com

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