CHECK POINT™ | Phosphorus

Unified IoT, OT, IoMT Security Management And Breach Prevention

Actionable Visibility And Incident Response For All Cyber Physical Systems

Solution Benefits

- Maximize investment with enhanced risk context for IoT, OT, and IoMT devices

- Consolidate IoT, OT, and IoMT assets for centralized visibility, streamlining monitoring and management

- Manage security policies dynamically with bi-directional intelligence exchange for real-time threat responses.

- Increase response time with a centralized risk view of IoT Cyber-Physical Systems, ensuring swift mitigation

Insights

With billions of smart devices in use today, there are 10 times more Internet of Things (IoT) devices worldwide than all traditional endpoints combined. And most of these devices – including IoT, OT, IoMT, and IIoT Cyber-Physical Systems – can pose significant security risks. Yet, the challenge of finding, fixing, and monitoring these devices has left an enormous attack surface targeted by various threat actors, including nation-states, cybercriminal groups, and ransomware gangs. Legacy scanners and passive, detection-based discovery solutions lack the ability to locate, classify, and remediate fundamental security hygiene issues on these cyber-physical systems (CPS) – leaving a significant gap of xIoT endpoints that are unknown, unmanaged, and unmonitored.

Unified xIoT Security Management And Breach Prevention

Organizations today face a growing threat of compromise due to unknown, insecure, and unmonitored IoT assets that are extremely easy for threat actors to exploit. These Cyber-Physical Systems – so often left vulnerable – can expose companies to broader network attacks, physical disruption, data theft, and extortion. Yet, critical firewalls and network security solutions are often blind to these network-connected smart devices.

Now, for the first time, Check Point and Phosphorus are empowering organizations with next-generation network security capabilities that allow them to monitor and assess their complete range of IoT devices and facilitate policy management at the network level. This advanced IoT-specific security solution is particularly important for mission-critical OT/ICS systems, and life-critical IoMT devices that are extremely challenging to discover, assess, and secure with traditional tools.

Phosphorus's Unified xIoT Security Management Platform – with cutting-edge Intelligent Active Discovery (IAD) and comprehensive device posture assessment – can now enrich network-centric technologies with previously unseen levels of high-resolution detail for all IoT, OT, and IoMT CPS devices. Combined with granular risk assessment context and deep device metadata, Check Point and Phosphorus enable organizations to centralize visibility for all xIoT Cyber-Physical Systems and facilitate proactive decision-making across the Check Point firewall infrastructure.
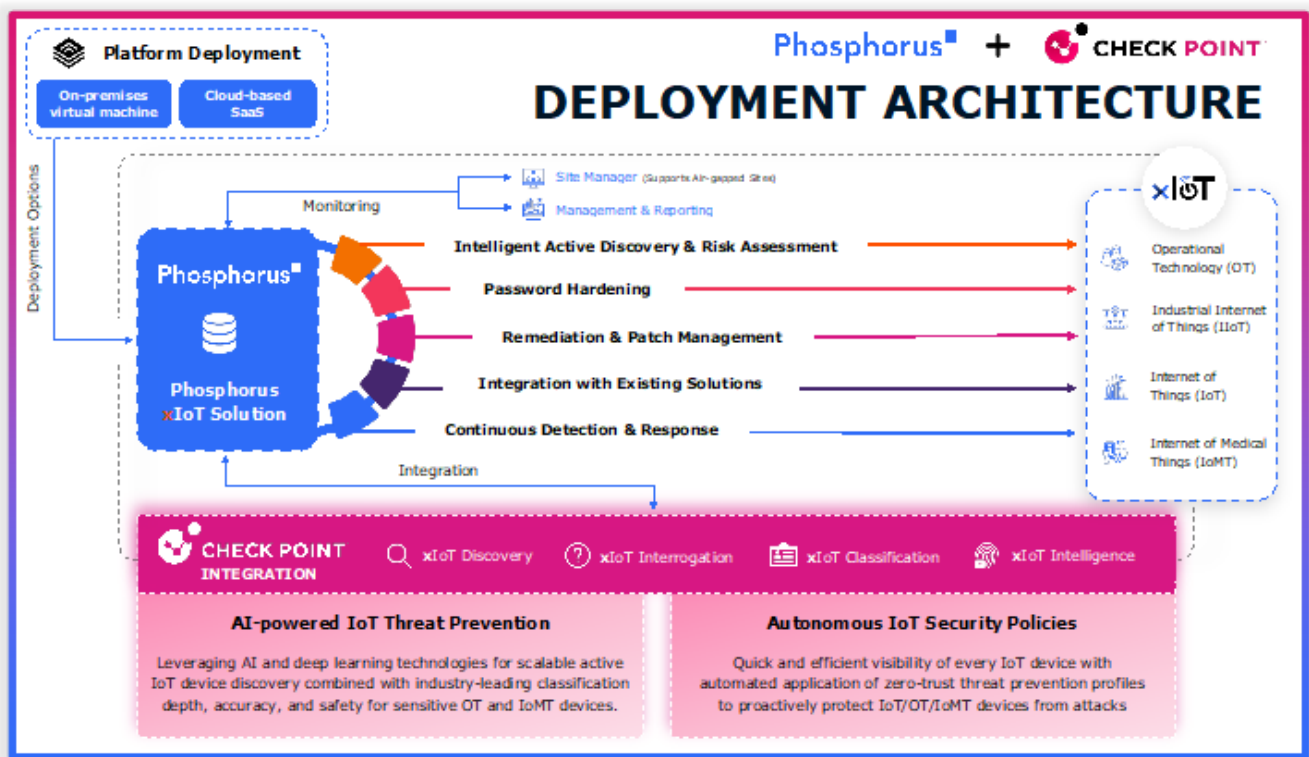
Better Approach To Iot Visibility And Security

Together, Phosphorus's innovative asset-centric IoT security capabilities and Check Point's renowned network-centric security create a powerful new unified approach to IoT/OT/IoMT asset visibility, management, and security. Through the Phosphorus integration, organizations can extend their existing Check Point investments with in-depth context on their full IoT/OT/IoMT Cyber-Physical System footprints.

CHECK POINT™

BENEFITS	IMPACTS
Maximize Technology Investments	Phosphorus extends your existing Check Point investments with in-depth risk context on your **x**IoT (IoT/OT/IoMT) device footprint.
IoT/OT/IoMT Asset Consolidation	Consolidate Phosphorus-discovered IoT assets to centralize visibility and facilitate decision-making in Check Point security platforms, such as Quantum IoT Protect.
Centralized IoT/OT/IoMT Risk Posture View	Facilitate centralized risk assessment of IoT devices, including deep detail on devices running with default passwords, insecure configurations, vulnerable or outdated firmware, and more.
xIoT Device Intelligence Enrichment	Enrich IoT, OT, IoMT, and other asset views with threat and operational intelligence from the extensible high-fidelity Phosphorus **x**IoT Device Intelligence Framework.
IoT/OT/IoMT Policy Management	Enable expanded IoT, OT, and IoMT network policy management with in-depth device risk context and vulnerability information.
Expedited xIoT Incident Response	Accelerate incident triage and optimize SOC workflows with actionable context on IoT, OT, and IoMT devices.

About Check Point

Check Point Software Technologies Ltd. (www.checkpoint.com) is a leading provider of cyber security solutions to corporate enterprises and governments globally. Check Point Infinity's portfolio of solutions protects enterprises and public organisations from 5th generation cyber-attacks with an industry leading catch rate of malware, ransomware and other threats. Infinity comprises three core pillars delivering uncompromised security and generation V threat prevention across enterprise environments: Check Point Harmony, for remote users; Check Point CloudGuard, to automatically secure clouds; and Check Point Quantum, to protect network perimeters and datacenters, all controlled by the industry's most comprehensive, intuitive unified security management; Check Point Horizon, a prevention-first security operations suite. Check Point protects over 100,000 organizations of all sizes.

ABOUT PHOSPHORUS CYBERSECURITY®

Phosphorus Cybersecurity® is the leading xIoT Breach Prevention platform for the xTended Internet of Things. Designed to secure the rapidly growing and often unmonitored Things across the enterprise xIoT landscape, our Enterprise xIoT Security Platform delivers unrivaled Risk Assessment and Attack Surface Management across every industry vertical, providing Active Discovery & Posture Assessment, Hardening & Remediation, and Detection & Response. Phosphorus automates the remediation of the biggest IoT, OT, IoMT, and IIoT device vulnerabilities— including unknown and inaccurate asset inventory, out-of-date firmware, default passwords, risky configurations, and out-of-date certificates—for every cyber-physical Thing in your environment. Follow Phosphorus on LinkedIn, Twitter, Threads, and YouTube, and learn more at www.phosphorus.io