CHECK POINT IOT PROTECT FOR INDUSTRIAL

ENSURE THE SAFETY AND INTEGRITY OF YOUR OPERATIONAL TECHNOLOGY (OT) ENVIRONMENT

OT ASSETS ARE ATTRACTIVE TARGETS

The increasing connectivity of industrial control systems (ICS) and the convergence of operational technology (OT) and IT networks expands the attack surface of industrial manufacturing and critical infrastructure facilities.

The advantages of interconnected ICS systems also work against them by providing opportunities for threat actors to damage infrastructure operations and processes. Attackers can alter commands sent to controllers, to change the controllers' logical sequence or to change sensors' readings, thereby disrupting the industrial processes. These disruptions can manifest subtly so while they may be difficult to detect initially, they will cause increasing damage to processes over time.

EASY TO HACK, HARD TO PATCH

ICS assets and networks are inherently vulnerable and easy to hack owing to several factors:

- Weak or hardcoded passwords
- Flat network design
- Assets run legacy or proprietary software that lacks security support
- Their software cannot be updated or patched frequently, due to access limitations, concerns over downtime or the need to recertify systems

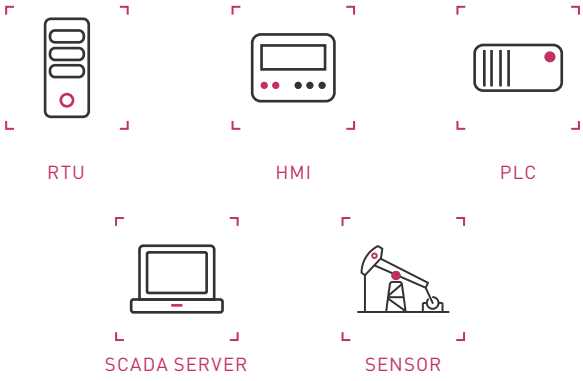
Since you can only protect what you can see, OT security solutions have emerged to offer visibility and security to the plethora of assets connected to industrial and operational networks.

CHECK POINT IOT PROTECT FOR INDUSTRIAL

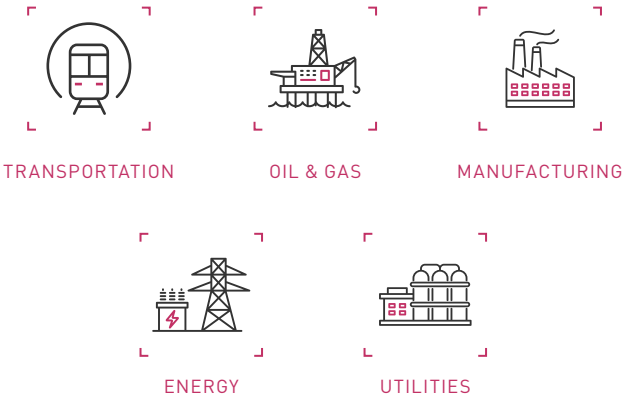
Offering the industry's most comprehensive cyber-security solution for ICS, **Check Point IoT Protect for Industrial** keeps any connected asset on the OT network protected, including PLCs, HMIs and SCADA servers.

With industrial domain expertise, the solution prevents OT related attacks and continually minimizes the OT attack surface—all in a way that is easily scalable and non-disruptive to critical industrial processes.

SECURE ANY OT ASSET



TAILORED FOR DIVERSE INDUSTRIES



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CORE CAPABILITIES

Securing connected devices across ICS networks, **Check Point IoT Protect for Industrial** offers:

- **Deep ICS asset visibility and risk analysis**
  - Identify, classify and analyze every OT device inside the network with best-of-breed discovery engines tailored per industry
  - Get granular fingerprints on each device, including communication protocol used, brand, model, type, IP, MAC address, firmware version and more
  - Obtain a behavioral baseline of normal activity across ICS asset communications to easily detect anomalies
  - Expose risk indicators such as weak passwords, outdated firmware and known vulnerabilities (CVEs)

- **Intuitive Zero Trust segmentation**
  - Segment the IT network from the OT network to prevent lateral movement and lateral infection
  - Add micro-segmentation to prevent unauthorized east-west communication between ICS assets
  - Apply granular security rules based on device attributes, risks and OT protocols
  - Easily create security rules based on dynamic grouping of devices
  - Gain single-pane policy management for IT and IoT/OT, with a distinct OT policy layer
  - Manage remote access to ICS assets

- **Mitigate known vulnerabilities, prevent threats and zero-day malware**
  - Virtually patch OT devices running unpatched firmware and legacy operating systems
  - Identify and block, or alert of, unauthorized access to and from OT devices and servers
  - Prevent the newest OT-targeted malware attacks with real-time threat intelligence from ThreatCloud

WHY CHECK POINT FOR IOT SECURITY

Encompassing network and device-level ICS security solutions, Check Point IoT Protect prevents IoT cyber attacks, adapting protections to any IoT or OT device across smart-office, smart-building, medical and industrial environments, offering the:

- Broadest range of cyber security solutions to protect IoT devices
- Best threat prevention against the latest and most evasive IoT cyber attacks
- IT and IoT consolidated into unified Infinity cyber security architecture
- Choice of SMB/branch, enterprise-scale and ruggedized security gateways for industrial environments

BENEFITS

- **Ensure the safety of industrial assets and personnel**
- **Keep critical industrial processes running** with a choice of passive or active enforcement, e.g., alerting or blocking
- **Gain deep visibility** into your OT assets and networks, facilitating asset inventory and anomaly detection
- **Support compliance** with OT cybersecurity regulations (e.g., NERC CIP, NIST 800-82 and ISA/IEC 62443)
- **Prevent OT-targeted threats** with virtual patching of vulnerable assets, OT-specific threat intelligence and auto-isolation of infected assets

PART OF CHECK POINT INFINITY

Check Point IoT Protect is part of Check Point Infinity, the only fully consolidated cyber security architecture that protects your business and IT infrastructure against Gen VI multi-vector 'Nano' cyber-attacks across networks, IoT devices, endpoint, cloud and mobile. Check Point Infinity delivers unprecedented protection against current and potential attacks—today and in the future.

CONTACT US FOR A DEMO TODAY

Don't leave your OT security to chance. Get the vislibity you need and the protection you deserve. Contact us for a demo today, or get in touch to discuss your OT security needs.

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