The Road to Industrial IoT Security

Industrial networks have become a target for hackers. Ensure the continuity, resilience, and safety of your operations by following this road towards an efficient Industrial IoT Security journey.

150 Million Industrial IoT devices by 2021¹

300% Surge of cyberattacks on IoT

devices in 2019²

41.2% Of ICS computers

attacked at least **75%** once in H1 2019³ Of vulnerabilities discovered in 2019 are from IoT/ICS

devices⁴

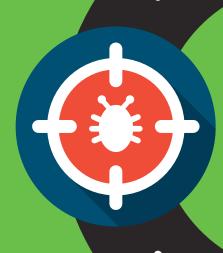
Identify your industrial assets Know all of your industrial assets

- Understand who they are communicating with
- Identify vulnerabilities to patch

Segment your control networks

- Group assets into isolated ICS zones
- Define security policies to protect zones
- Prevent attacks from spreading





Enforce security policies

- Detect intrusions from the IT domain
- Block attempts to scan and modify industrial assets
- Control communications on your industrial network

Monitor industrial processes

- Detect abnormal behaviors from industrial assets Run converged IT/OT threat investigations - Block attacks on your ICS before it's too late



The Cisco IoT Route to Success

Enable micro-segmentations with Cisco ISE

Discover industrial assets with Cisco Cyber Vision

- Monitor for anomalous activity with Cisco Cyber Vision

Enforce zone segmentation with Cisco ISA3000

Prevent malicious intrusions with ISA3000, powered by Cisco Talos 5

Build industrial DMZ and secure your OT with Cisco Firepower

- 6 Investigate threats across IT and OT with Cisco Stealthwatch

Start your IoT journey to industrial security with Cisco.

Have peace of mind knowing you can view your industrial asset inventory, monitor your

ICS applications live to detect any abnormal behaviors, extend cybersecurity policies

to the OT domain, and gain full visibility and control into your industrial network.

Learn more in our free eBook

3. https://ics-cert.kaspersky.com/reports/2019/09/30/threat-landscape-for-industrial-automation-systems-h1-2019/#_Toc19618313

4. https://blog.talosintelligence.com/2019/12/vulnerability-discovery-2019.html

relationship between Cisco and any other company. (1110R)

- Sources: 1. https://iiot-world.com/cybersecurity/managing-the-security-issues-risks-of-industrial-iot/ 2. https://blog.f-secure.com/attack-landscape-h1-2019-iot-smb-traffic-abound/
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