

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 once in H1 2019³

75%

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

- 1 Discover industrial assets with **Cisco Cyber Vision**
- 2 Enable micro-segmentations with **Cisco ISE**
- 3 Enforce zone segmentation with **Cisco ISA3000**
- 4 Monitor for anomalous activity with **Cisco Cyber Vision**
- 5 Prevent malicious intrusions with ISA3000, powered by **Cisco Talos**
- 6 Investigate threats across IT and OT with **Cisco Stealthwatch**
- 7 Build industrial DMZ and secure your OT with **Cisco Firepower**

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

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



© 2020 Cisco and/or its affiliates. All rights reserved. Cisco and the Cisco logo are trademarks or registered trademarks of Cisco and/or its affiliates in the U.S. and other countries. To view a list of Cisco trademarks, go to this URL: www.cisco.com/go/trademarks. Third-party trademarks mentioned are the property of their respective owners. The use of the word partner does not imply a partnership relationship between Cisco and any other company. (1110R)

Cisco IoT

Cisco-IoT-RoadIndustrialSecurity-02142020