

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.

62%

Don't have a complete inventory of IoT/OT assets¹

\$13M

Average cost of a cyber incident for organizations²

44%

Experienced cyber incidents involving IoT/OT devices¹

681

New OT vulnerabilities discovered in just 6 months³

Identify your industrial assets

- Know what's connected to your industrial network
- Understand what IoT/OT devices are communicating with
- Identify asset vulnerabilities and your exposure to cyber risks

Segment your control network

- Group assets into logical ICS zones as per ISA/IEC62443
- Define security policies between zones
- Leverage network switches to enforce zones and conduits

Enforce security policies

- Detect malware and malicious traffic
- Block attempts to scan and modify industrial assets
- Control communications on your industrial network

Extend IT security to OT

- Detect abnormal behaviors from industrial assets
- Share OT context with IT security tools
- Run converged IT/OT threat investigations

The Cisco Route to Industrial IoT Security

- 1** Build your industrial DMZ with **Cisco Secure Firewalls**
- 2** Block malware and intrusions with **Cisco IDS/IPS** powered by **Cisco Talos**
- 3** Inventory assets and assess your security posture with **Cisco Cyber Vision**
- 4** Enforce micro-segmentation with **Cisco ISE**
- 5** Control remote access with **Cisco AnyConnect** and **Secure Equipment Access**
- 6** Detect anomalous activities with **Cisco Cyber Vision** and **Secure Analytics**
- 7** Investigate and remediate threats with **Cisco SecureX**

Start your journey to industrial IoT security with Cisco

From OT visibility to network segmentation and all the way to a converged IT/OT security strategy, have peace of mind with Cisco's comprehensive security solution that lets you extend IT security to your industrial operations to tackle cyber risks and minimize downtime.

[Learn more in our free e-book](#)

Sources: 1. Ponemon Institute, The State of IoT/OT Cybersecurity in the Enterprise, 11/2021
2. Accenture, The Cost of Cybercrime, 2019
3. US Cybersecurity and Infrastructure Security Agency (CISA), first half of 2022



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Cisco IoT

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