SKYBOX SECURITY

Build a robust IT/OT security approach

Unlock complete visibility, analytics, and automation across your IT/OT and hybrid cloud environments with a security posture management platform.

Challenges

No industry is safe from cyberattacks, but industrial and manufacturing organizations are particularly vulnerable due to a unique set of risk factors. Connected physical systems in industrial and manufacturing environments are increasingly exposed to the outside world and to potential cyberattacks. When IT and OT systems converge, they magnify the possibility of exposure.

The risks are real: Skybox security researchers observed 300% more industrial IoT vulnerabilities in 2020. Meanwhile, 38% of ICS computers in oil and gas industry fell victim to cyberattacks in 2020, while 25% of reported ransomware attacks struck manufacturing companies.

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Risk factors for IT/OT networks

- **Digital transformation in OT**
  - + Rapid adoption of cloud, IoT, and industrial IoT in manufacturing
  - + OT migrations lead to an increase in digitally connected physical systems
- **Increased exposure**
  - + New devices use manufacturer's security default settings
  - + Legacy devices are difficult or impossible to patch
- **Greater security threats**
  - + Increasing number of attacks on the supply chain
  - + Increasing number of OT and industrial IoT vulnerabilities discovered
  - + Evolving aggressive and multi-stage cyberattacks
- **Resource constraints**
  - + Limited remediation options or lack of knowledge of non-patch remediations
  - + Business-critical networks and health and safety concerns limit downtime

[1] Cybersecurity comes of age: Vulnerability and Threat Trends Report 2020, Skybox Security, February 2020
[2] Ransomware 2020: Attack Trends Affecting Organizations Worldwide, Security Intelligence, September 2020

What's Needed

With a unified security posture management platform, you can unlock complete visibility, analytics, and automation across your IT, OT, and hybrid cloud environments. Your security teams will gain the insights needed to identify and mitigate vulnerability exposures. You'll be able to optimize security policies, actions, and change processes to improve security efficacy and efficiency across the enterprise.

78% of all respondents said complexity due to multivendor technologies poses a challenge to gaining full visibility across their attack surface[3]

Outcomes

+ Reduced attack surface risk and better cyber mitigation strategies across OT networks
+ More flexible management and remediation of vulnerabilities in OT networks with reduced downtime
+ Compliance with security regulations and industry frameworks
+ Maintenance of manufacturing warranties and SLAs
+ Maintenance of safety and health standards

Contact an expert

Schedule a demo ···>

Why Skybox?

Achieve a holistic view

+ Establish a single source of truth for security and operational data and build a functional model of your attack surface
+ Gain seamless visibility across hybrid and multi-cloud environments
+ Centralize management of traditional and cloud-native security controls

Ensure consistency across IT and OT networks

+ Normalize and standardize current security controls across IT/OT environments
+ Develop mature and consistent security processes across IT/OT networks
+ Gain valuable context for security operations and mitigation planning

Manage vulnerabilities based on exposure

+ Gain a wider breadth of data collection and discovery beyond scanning
+ Prioritize and score risks more effectively by factoring in network exposure
+ Get prescriptive risk-based remediation capabilities beyond patching

[3] Cybersecurity risk underestimated by operational technology organizations, Skybox Security, November 2021

ABOUT SKYBOX SECURITY

Over 500 of the largest and most security-conscious enterprises in the world rely on Skybox for the insights and assurance required to stay ahead of their dynamically changing attack surface. Our Security Posture Management Platform delivers complete visibility, analytics, and automation to quickly map, prioritize, and remediate vulnerabilities across your organization.