Mission Secure

SOLUTION BRIEF

OT and ICS Ransomware Defense

Solution Highlights

Defend Your OT Environment

Mission Secure's OT ransomware defense solution addresses the attack scenarios facing critical infrastructure operators today:

- Migration of ransomware from the IT network to the OT network.
- Infection of vulnerable, internet-facing OT assets.
- Introduction and spread of ransomware in the OT environment via removable media.

Limit the Blast Radius

A strong defensive strategy begins with the assumption that an attack will somehow get through. Mission Secure's defense-in-depth approach uses network segmentation, continuous monitoring, threat detection, and policy enforcement to minimize the consequences of a successful attack.

Simple Implementation, Quick Results

Mission Secure is committed to helping organizations defend their critical systems against ransomware attacks. quickly and effectively.

With our OT ransomware defense solution, you can start reducing your risk of operational disruption in less than a day.

Ransomware is the #1 cyber risk facing critical infrastructure operations such as oil and gas facilities, manufacturing plants, food and beverage producers, and transportation systems.

No organization is immune to the threat—automated tools and ransomware-as-a-service schemes have opened up a world of new opportunities for cyber criminals, making it easy to launch crippling attacks with no need for technical skill.

Ransom payments represent only a small fraction of the damage that a ransomware attack can cause. Losses from production shutdowns often run into the tens or hundreds of millions, far exceeding the cost of recovering locked systems or data (when recovery is even possible). Reputational damage, regulatory fines, and lost business opportunities extend the damage even futher.

Mission Secure offers the strongest, most comprehensive OT ransomware defense solution available, giving organizations the tools to protect critical assets from this pervasive and evolving threat.

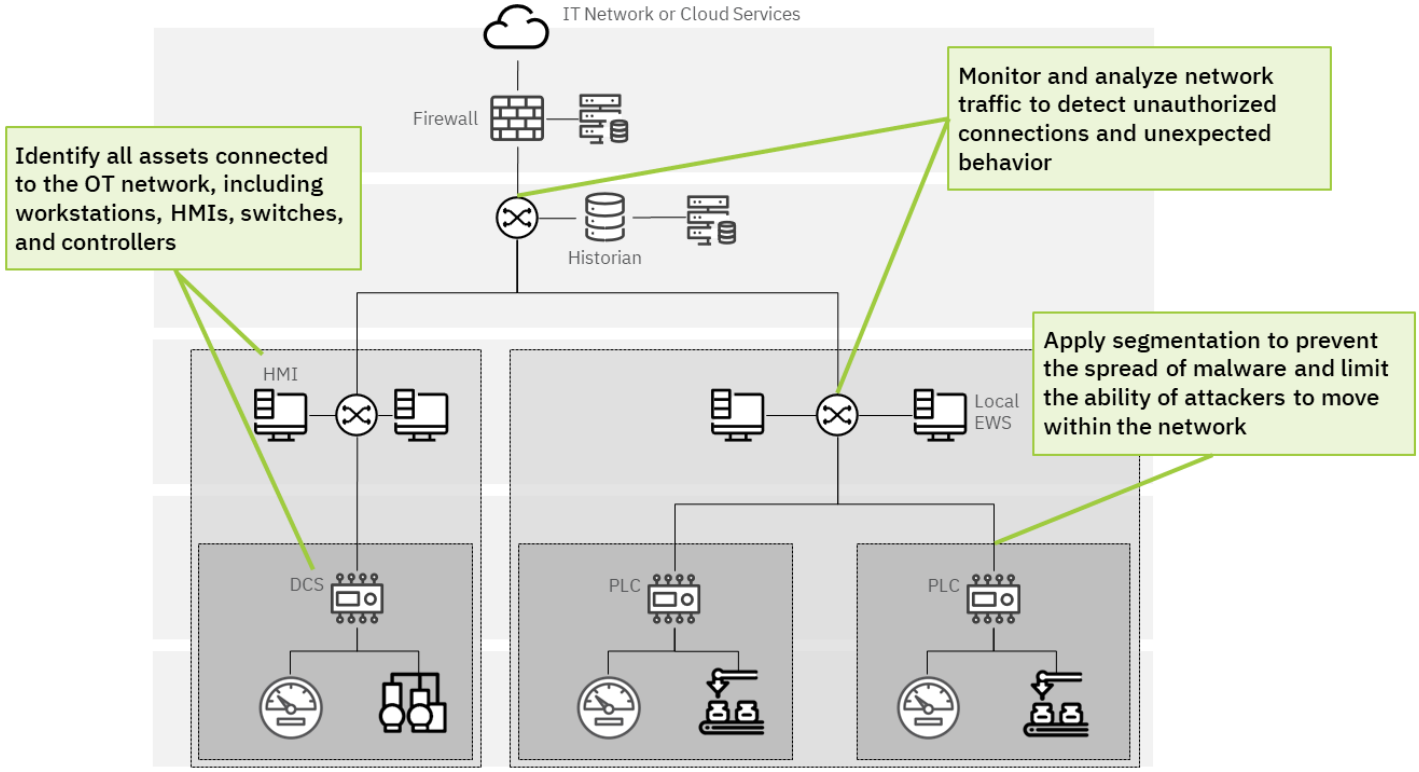
With Mission Secure's OT ransomware defense solution, you can drastically reduce your risk exposure while gaining unprecedented control over your operational technology environment.

Notable OT shutdowns due to ransomware attacks

- MGM Resorts (2023): more than $8 million per day in lost revenue
- Dole (2023): Food production disrupted, $10+ million in damages
- JBS (2021): Meat production disrupted in the US and overseas; $11 million ransom paid
- Norsk Hydro (2019): first detected in OT workstations, $70+ million in lost productivity

Reducing OT Ransomware Risk with Mission Secure

Mission Secure's OT ransomware defense is a comprehensive, easy-to-implement solution that closes security gaps and minimizes the effects of a successful ransomware attack. Designed to meet the needs of industrial operations, Mission Secure technology helps prevent production shutdowns, even if IT systems have been compromised.



Understand Your OT Risk

The first step in ransomware defense is to define your current risk by identifying assets, network connections, misconfigurations, and potential vulnerabilities.

- Understand the security posture of every asset in your OT environment
- Identify unsafe protocols, unnecessary connections, and unauthorized devices
- Take guided action to patch systems, fix configurations, and close security gaps.

Segment Your Network

Network segmentation is one of the most effective defenses against ransomware attacks, making it harder for malware to spread and limiting threat actors' ability to operate.

- Stop ransomware from entering your OT environment, even if IT systems are compromised
- Limit the spread of malicious code between devices
- Radically improve response and recovery times in the event of a compromise.

Detect and Block Threats

Implement continuous monitoring and validation in your OT environment to identify new devices, unexpected connections, or other potential attack vectors.

- Receive alerts on potentially malicious activity
- Allow only "known good" traffic to critical assets
- Secure your network against zero-day exploits and other unpredictable threats.

Mission Secure

Mission Secure delivers a complete OT cybersecurity platform, protecting critical assets from human error, insider threats, and external attacks. Built to address the unique needs of OT environments, Mission Secure's technology and managed services provide asset visibility, threat detection, and policy enforcement without impacting operations..

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