What's Ailing Healthcare Organizations?

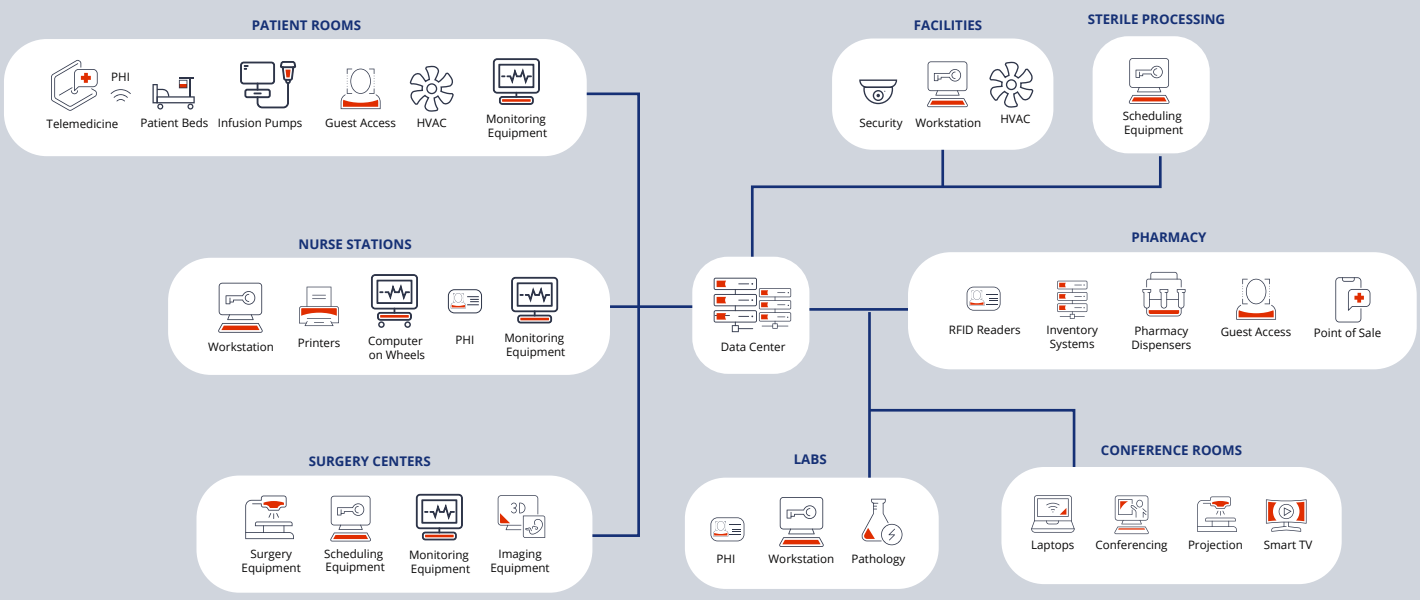
IoMT Risks and How to Treat Them

BY FORESCOUT RESEARCH LABS

Forescout Research Labs analyzed data from healthcare organizations to determine how TCP/IP stack vulnerabilities affect them. These vulnerabilities represent an emerging threat, which may allow attackers to take control of devices with a single network packet.

HOW BIG IS THE PROBLEM?

In our study, we found more than 50,000 devices across 100+ HDSOs are affected by TCP/IP stack vulnerabilities.



Healthcare organizations have the highest vulnerable device diversity, making patching vulnerabilities more time-consuming.

Common vulnerable devices:
- Printers
- VoIP
- Infusion pumps
- Networking equipment
- Building automation devices
- Patient monitors
- Point-of-care diagnostic systems

5x
more affected by TCP/IP vulnerabilities than any other vertical

500
Average number of vulnerable devices per organization

75%
of healthcare organizations are affected by TCP/IP stack vulnerabilities

WHY IS HEALTHCARE SO VULNERABLE?

- Rapid adoption of connected devices
- Limited-to-no ability to address vulnerable devices
- Lack of segmented networks = broad impact radius
- Manufacturer lacks awareness of these risks

NEW THREATS CREATE POTENTIAL FOR HUGE IMPACT

RISING COSTS

Breaches cost an average of $7.13 million in 2020

INCREASED DOWNTIME

Each hour that an MRI scanner is down can easily cost tens of thousands in lost revenue

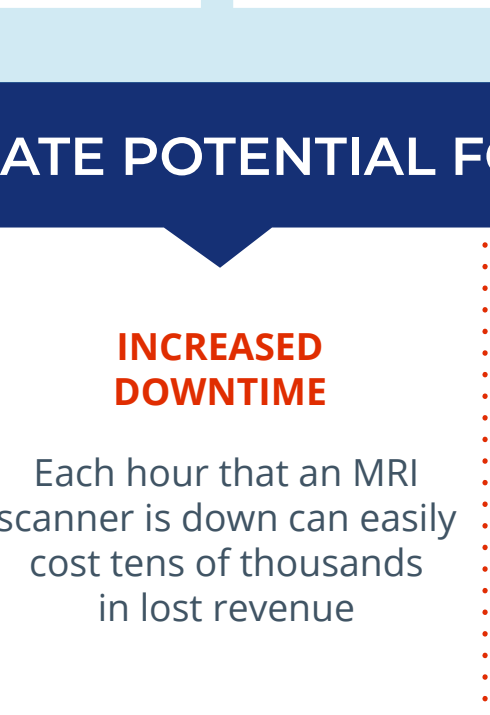
DENIAL OF HEALTHCARE DELIVERY

Attacks can halt ability to provide patient care

HOW TO MITIGATE THE RISKS

Discover and inventory connected devices and assess their business risk

Enforce segmentation controls and proper network hygiene



Monitor progressive patches released by affected device vendors and devise a remediation plan

Monitor all network traffic for malicious behaviors

TIMELY LAB RESULTS IMPROVE OUTCOMES

Understand the symptoms and effective treatments.
Read the Forescout Research Labs report: *Underlying Risks Found in Healthcare Devices.*

Get Report

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