



# Device Security Health Check from GE Digital

A rapid assessment for identifying security weaknesses proactively

## Stop cyber attacks before they happen

Cyber attacks on critical infrastructure are on the rise. And, these cyber attacks are becoming a growing concern for both system operators and device manufacturers because it can impact service uptime, data integrity, and public safety.

Designed to quickly gain visibility into the security of a device, GE Digital's Device Security Health Check allows equipment manufacturers to deal with security issues proactively. All of GE Digital's security assessments are based on technical expertise developed over many years as a leader in industrial security assessments, protection, and certification.

**GE Digital's cyber security customers include 9 of the top 10 automation vendors.**

## 01 Business challenge

Critical infrastructure is increasingly targeted for cyber attacks, and system operators are experiencing cyber incidents at an ever-expanding rate. In the face of changing end-customer needs, device manufacturers are under intense pressure to deliver innovative products, but are often pushed by competitive forces that prompt expedited delivery, increasing the risk of devices released with bugs and vulnerabilities.

While manufacturers need a high-level and technical security view of their products, they may not have an internal security focus or the budget for a full assessment. There is a need to gain device security visibility quickly in order to justify further analysis and to satisfy system operators' requirements to qualify products with a high-level security view.

## 02 Solution

GE Digital's Device Security Health Check is a rapid, economical appraisal that identifies product security weaknesses and provides direction for further analysis. Unlike assessment services from other vendors, our Device Security Health Check features work conducted by industrial control system (ICS) security domain experts who have deep technical skills in vulnerability analysis and exploit development. GE Digital's security analysts use a lab environment to mimic malicious attackers to quickly determine a device's security status.

## 03 Benefits

- **Provides security visibility quickly** with GE Digital's efficient security evaluation to deal with security issues proactively (not on a vulnerability disclosure timeline)
- **Protects brand reputation** by reducing the possibility of public vulnerability disclosures
- **Determines need for further security analysis** by identifying areas of greatest concern
- **Helps justify the need to take a deeper look at security** and serves as a discussion point for security budgeting



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## Features

- Each Device Security Health Check includes:
  - An analysis of one device and one firmware/software (with a focus on attacker-accessible interfaces)
  - 10 page targeted report
  - Closeout call
- A Device Security Health Check may also include:
  - Open-source intelligence information gathering
  - Hardware/software reverse engineering
  - Network communications analysis
  - Vulnerability exploitation
  - Systems configuration analysis

## Deliverables

- Report (10 page target)
  - Executive summary
  - Brief description of assessment
  - Any identified vulnerabilities, areas of weakness, and areas of concern
  - Scope for full assessment (as appropriate)
- Asset review workbook covers weaknesses and vulnerabilities found, and the priority in which they should be addressed

## Device Security Assessment vs. Device Security Health Check

	Device Security Assessment	Device Security Health Check
<b>Methodology</b>	Comprehensive, in-depth assessment	Rapid, economical penetration testing assessment
<b>Size and scope</b>	Tailored for system under test	Pre-set
<b>Report length</b>	Comprehensive	Overview
<b>Areas of focus</b>	Customer and analyst scoping	Analyst scoping only
<b>Regular update calls</b>	Yes	No
<b>Mitigation advice</b>	Yes	No
<b>Multi-device systems</b>	Yes	One device and one firmware or software version only
<b>Report distribution</b>	Client and client's customers	Client only (no report distribution rights)*

\*For system operators, distribution to the respective device manufacturer is permitted.

GE digital can help improve your security posture and succeed in today's digital industrial landscape.

LEARN MORE





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### Services

In the world of Industrial Internet of Things (IIoT), organizations are able to optimize productivity, reduce costs, and achieve Operational Excellence. No matter where you are on your IIoT journey, GE Digital has the right services offering for you.

[Advisory Services](#) We can help you plan and start your IIoT journey in a way that aligns to your specific business outcomes.

[Managed Services](#) We can help you maintain your critical machines from one of our remote locations around the world using model-based predictive-analytic technology.

[Implementation Services](#) Our experienced global automation partners can implement a collaborative, multi-generational program that marries your existing investments to the right enhancements and technology.

[Education Services](#) We specialize in education services to ensure that you're leveraging our solutions to the fullest extent with our training and certificate programs.

[GlobalCare Support Services](#) Let us help by ensuring that your business continues to operate at its highest efficiency, all while mitigating risks to your investments.

[Cyber Security Services](#) Our solutions provide industrial-grade security for a wide range of OT network and application topologies.

### Related products

GE Digital's OT cyber security suite helps protect industrial and healthcare companies against misconfigured devices and unplanned downtime due to cyber incidents. We can help you test, certify, and secure industrial connected devices, applications, and processes.



#### [Achilles Test Platform](#) →

Build in product security. Achilles Test Platform discovers vulnerabilities and faults to be reproduced, isolated, identified, and resolved before product introduction.



#### [OpShield](#) →

Designed to help protect critical infrastructure and controls network by defending the processes, communications, and assets that underpin your control strategy.

# PREDIX

#### [Predix](#) →

Innovate and transform your business with the cloud-based operating system for the Industrial Internet, purpose-built for industry.

### Continue your IIoT journey

Transforming your business requires innovative foundational solutions that lay the groundwork for optimized performance.



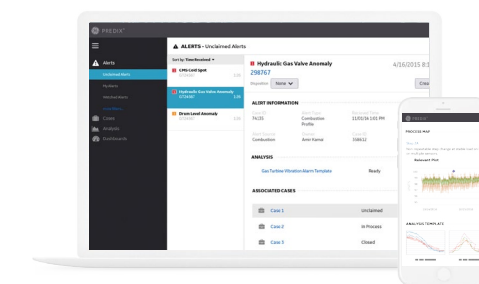
#### [Historian](#) →

Optimize asset and plant performance through time-series industrial data collection and aggregation, leveraging Predix IIoT connectivity.



#### [iFIX](#) →

Gain visibility into your operations and secure agility for smarter decision making that drives results.



#### [Asset Performance Management](#) →

Move from reactive to proactive maintenance to reduce unplanned downtime, minimize maintenance costs, improve efficiency, and extend asset life.

#### About GE

GE (NYSE: GE) is the world's Digital Industrial Company, transforming industry with software-defined machines and solutions that are connected, responsive and predictive. GE is organized around a global exchange of knowledge, the "GE Store," through which each business shares and accesses the same technology, markets, structure and intellect. Each invention further fuels innovation and application across our industrial sectors. With people, services, technology and scale, GE delivers better outcomes for customers by speaking the language of industry.

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