TRAPEZOID
Firmware Integrity Management

You Can't Trust Your Software if you Can't Trust your Hardware

Compromised firmware can lie, spy, steal and destroy undetected

Every Device has Firmware

Firmware has Vulnerabilities

Traditional Security Tools provide ZERO Visibility

- ✓ NETWORK
- ✓ CLOUD ORCHESTRATION
- ✓ APPLICATIONS
- ✓ OPERATING SYSTEM
- ✓ HYPERVISOR / VMs
- X FIRMWARE / BIOS

Firmware Threats are Real and Increasing

According to Microsoft over 80% of enterprises surveyed have experienced one firmware attack during the past two years, but less than a third of security budgets are dedicated to protecting firmware.* Yet firmware is everywhere – in IT, OT and IoT. In IT devices firmware sits below the Operating System controlling functions above it like a master puppeteer. In IoT and OT devices, if may be the only code on the system. When compromised, firmware can wreak havoc on your systems, potentially shutting down operations or taking out critical infrastructure.

Up to 50% of the Code on your Network Is not being monitored

Traditional security tools have Zero Visibility for vulnerabilities below the Operating System (VBOS), leaving firmware exposed for undetected exploits. Without firmware monitoring, organizations have no ability to detect or remediate firmware breaches much less meet compliance requirements. Patching is a band aid, but it is not the solution.

All Major Cyber Security Frameworks Require Firmware Monitoring

All Federal Civilian and Defense agencies as well as contractors to the Government are required to be continuously monitoring firmware. Trapezoid meets NIST, GDPR, HIPAA, FISMA, FEDRAMP, PCI, CMMC, and ISO requirements.

"You Must Assume a 'Zero Trust State' for Every Device in your Enterprise that is not Monitored." – DHS-CISA

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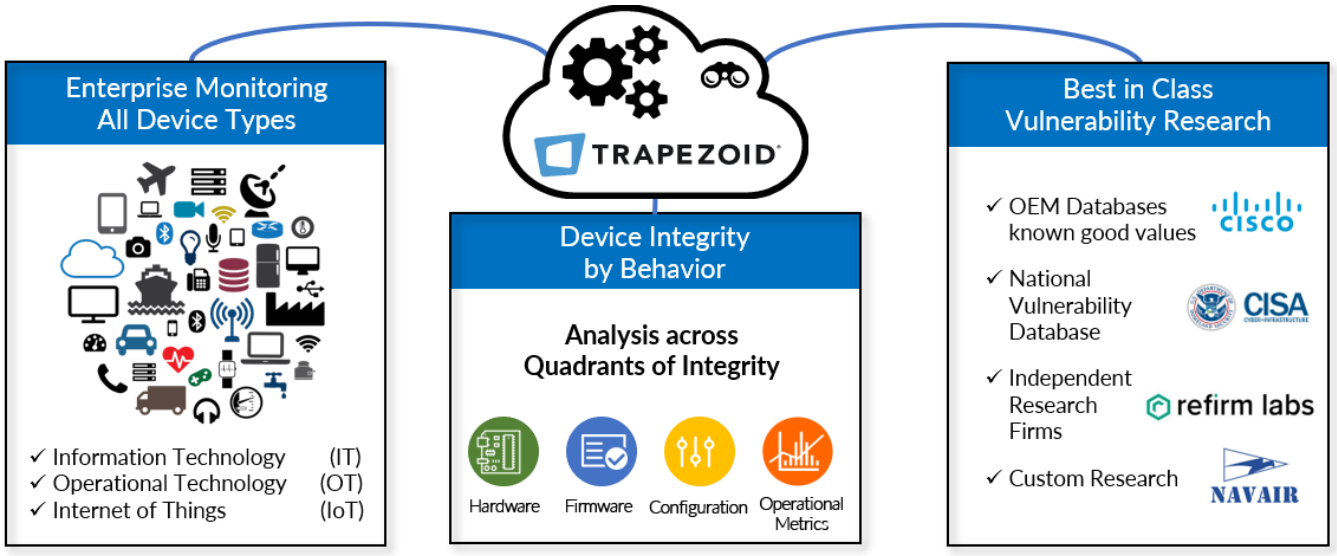
"Enterprise-wide, Device Integrity Monitoring"



Trapezoid FIVE Key Features:

- ✓ **DOD Certified COTS solution** – Commercial Item Designation
- ✓ **DHS CDM** - Authorization Pending
- ✓ **Lightweight and Agentless** – Nothing to install per device. User-defined polling frequency without degrading network performance.
- ✓ **Single Pane of Glass** - Alerts sent to your SEIM or logging tool, or drill down into our UI for Investigation.
- ✓ **OEM and Device Agnostic** – Monitors anything on your network, IT, OT, IoT.
- ✓ **Device Behavior Analysis** – Firmware, Hardware, Configuration, and Operational Metrics are the only way to determine indicators of compromise.
- ✓ **Best Available Research** – OEM, NVD, Independent, Custom
- ✓ **Compliance Reporting** – Meets NIST 800-53, FEDRAMP, FISMA, HIPAA, HITRUST CSF, PCI and GDPR.
- ✓ **Big Data Analysis** – Runs data science tools directly; no ETL required.
- ✓ **Flexible Deployment –** On Prem, or in the Cloud.
- ✓ **3 Patents -** US Patent No. 9,258,331, 9,674,183, and 10,305,893

Request More Information

Contact us today to schedule a presentation or demo

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ABOUT TRAPEZOID - Trapezoid Inc. is a leading provider of Firmware protection and monitoring tools. Founded in 2012, Trapezoid's Firmware Integrity Verification Engine (FIVE) leverages patented technology to proactively identify and analyze integrity changes in firmware and help remediate firmware-related security and compliance breaches related to compromised firmware. Trapezoid's customers include the government, education and commercial sectors who use Trapezoid's solutions to validate the integrity of critical hardware and firmware by monitoring for changes across the systems.