



Eclipsium Infrastructure Assurance Platform.

Secure Infrastructure in The Age of AI

Your business runs on infrastructure. Eclipsium makes sure you can trust it. The platform continuously verifies device integrity, hardens against risk, and detects active compromises across network and edge devices, AI infrastructure, user endpoints, servers, and enterprise IoT. Security and infrastructure teams get the evidence to decide which devices can be trusted and which need attention.

Close Gaps in Device Security

Firewalls, routers, GPU servers, and other enterprise devices contain firmware and embedded software that can carry vulnerabilities, misconfigurations, implants, backdoors, or unauthorized modifications. These components control device behavior and can provide attackers with persistent access. EDR and conventional vulnerability scans do not establish the integrity of every device component, and many network appliances cannot run endpoint agents. Eclipsium inspects these devices to identify risks and detect compromises other controls miss.

A Unified Platform to Secure Your Entire Enterprise Infrastructure

Verify incoming devices before deployment, monitor integrity and configuration drift in production, and validate hardware before reassignment or retirement. Eclipsium combines component inventory, integrity verification, device hardening, and threat detection for every device in your enterprise in a single platform. Eclipsium inspects these devices to identify risks and detect compromises other controls miss.



“The roots of trust in your IT infrastructure are extremely important, yet are extremely difficult to inspect and not well understood. Eclipsium’s solution solves these critical problems simply.”

Tim Lisko,
Senior Director of Security Engineering
DigitalOcean



**USER
ENDPOINTS**



**NETWORK AND
EDGE DEVICES**



**AI
INFRASTRUCTURE**



SERVERS



**ENTERPRISE
DEVICES**



Device Security Capabilities

VERIFY DEVICE INTEGRITY

Inventory hardware, firmware, and software components to build detailed bills of materials (HBOM, FBOM, and SBOM). Compare device firmware and components with Eclypsiium's known-good reference data to identify tampering and counterfeit components. Establish baselines for individual assets or device groups, then monitor for integrity changes.

HARDEN AGAINST RISK

Identify vulnerable firmware, insecure configurations, and devices that have reached end of life or support. Prioritize remediation using severity, exploitation status, and recommended mitigations. Schedule and automate firmware updates on supported devices, and monitor configuration drift to keep protections in place.

DETECT ACTIVE COMPROMISES

Detect indicators of compromise, active implants, unauthorized modifications, and malicious behavior in infrastructure devices. Identify attackers living off the land and persistent threats that can survive a reboot or patch. Correlate findings with existing investigations through configurable alerts, REST APIs, and SIEM/SOAR integrations.

Eclypsiium Automata

Eclypsiium Automata applies the research team's reverse-engineering techniques through automated analysis of firmware and software binaries. Multiple analysis methods identify suspicious code and potential unknown vulnerabilities, extending detection beyond known indicators. Eclypsiium's reference database of more than 30 million device binaries supports integrity verification at scale.

Operational benefits



Reduce supply chain risk.

Identify tampered, counterfeit, vulnerable, or unsupported devices before they enter production.



Accelerate investigations.

Give security teams component evidence and device context to investigate alerts and prioritize response.



Protect AI infrastructure.

Verify GPU servers and foundational components before deployment and between customers or workloads.



Support audits and compliance.

Use component inventories, integrity baselines, and device security findings to document controls and prioritize gaps.

Stop assuming your infrastructure is trustworthy. Start verifying it.

See how Eclypsiium helps enterprises and government agencies verify infrastructure integrity and detect active threats. Request a demo at eclypsiium.com/demo.