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Complete Zero Trust is Now Possible!

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Zero Trust Architecture (ZTA)

- Zero Trust (ZT) is the term for the evolving set of cybersecurity paradigms that move defenses from static, network based perimeters to focus on users, assets, and resources.

- It assumes there is no implicit trust granted to assets or user accounts based solely on their physical or network location or based on asset ownership.

- ZTA uses zero trust principles to plan industrial and enterprise infrastructure and workflows.

- ZTA requires Protection Visibility Control (PVC) in five areas: People, Workload, Network Device, User Device and Data.

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SecHard Zero Trust Orchestrator

(Product Overview)

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SecHard is a multi-module software for implementing Zero Trust Architecture, which facilitates compliance with the Executive Office of Presidential memorandum, NIST SP 800-207, and Gartner Adaptive Security Architecture.

Security Hardening

For servers, clients, network devices, applications, databases, and more, SecHard provides automated security hardening auditing, scoring, and remediation.

Privileged Access Manager

Get compliant with Zero Trust and prevent attacks such as privilege abuse and ransomware with this powerful identity and access management software!

Asset Manager

By automating discovery, access, identification, and remediation, SecHard solves the problem of risk awareness in asset management.

Vulnerability Manager

SecHard operates vulnerability detection and management processes passively without posing any risks to any IT assets.

Risk Manager

SecHard's unique risk assessment formula combines asset group risk scores, security hardening scores, and vulnerability scores to calculate real-world risk scores.

Device Manager

Manage your network devices with powerful and customizable features, including backup and restore, configuration change detection, performance monitoring, bandwidth monitoring, and firmware upgrades.

Performance Monitor

A monitoring solution that integrates performance and availability monitoring for servers, network devices, databases, applications, the internet of things, and industrial control systems.

TACACS+ Server

Centralized Authentication, Authorization, and Accounting (AAA) for *nix systems and network devices with Microsoft Active Directory integration.

Syslog Server

Syslog and CEF log forwarding, real-time alarms based on critical events, and simplified log management across network devices and servers.

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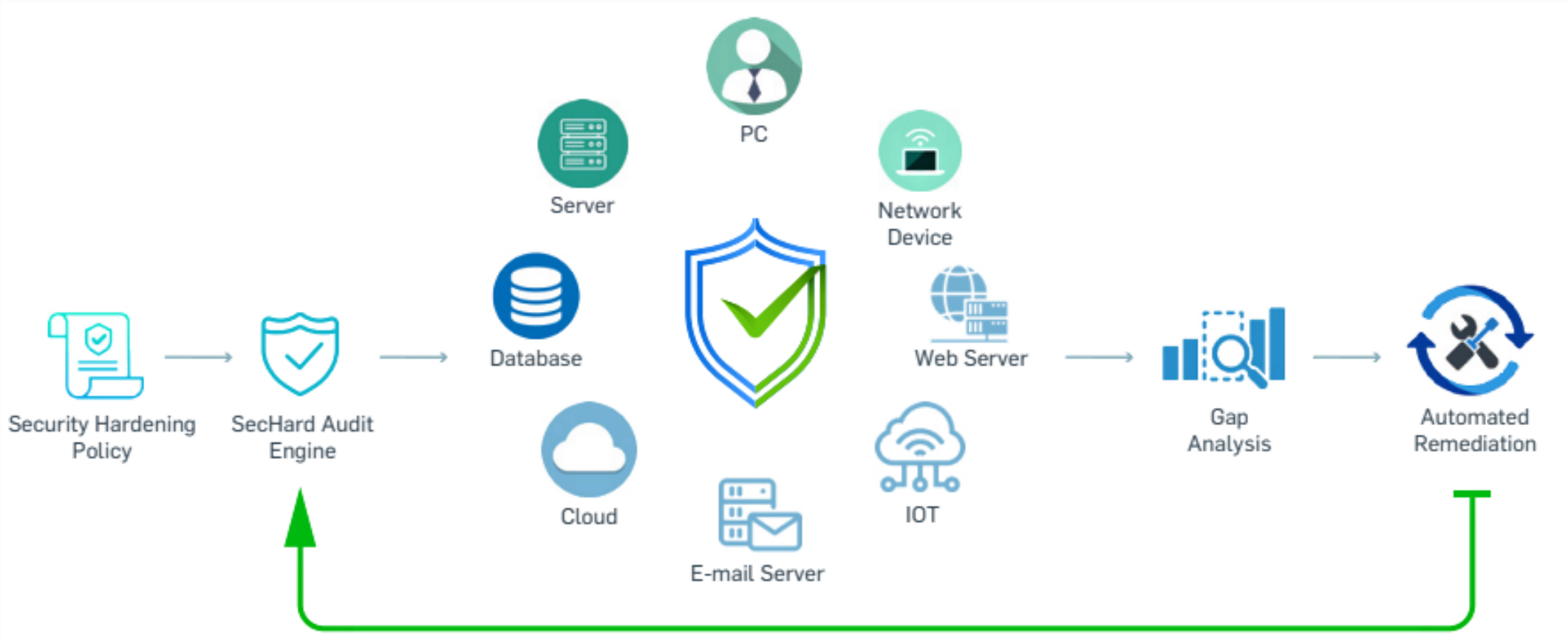
Security Hardening

- SecHard provides automated security hardening auditing, scoring and remediation for servers, clients, network devices, applications, databases, and more.
- Enterprises can easily add their own unique controls and run them on thousands of different assets.
- Automatically performs the necessary security remediations in seconds with a single click, eliminating all the risks related to change without needing mastery-depth knowledge.
- SecHard is one of the products with the highest return on investment in the field of information security.

Benefits:

- Industry’s first Security Hardening audit with automated remediation
- Detailed security scoring
- Wide device and platform support
- Remediation with NO RISK
- Unmatched Return on Investment



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Privileged Access Management (PAM)

- SecHard offers a PAM solution that integrates with other Protection Visibility Control(PVC) areas recommended by the Zero Trust Architecture(ZTA).
- It not only gives privilege access to the right person, but also performs the recommended PVCs that are required for the ZTA on all the network devices used in the connection, and on the computer that makes the connection.
- It can automatically discover and login new assets, perform automatic security hardening scoring, and remediate predefined hardening settings fully automatic.
- It has a password vault that can enable access to RDP, VNC, SSH, and Telnet without knowing the password, and it can record all sessions both in text and video format.

Benefits:

- Advanced Password vault
- RDP, VNC, SSH, Telnet session recording and OCR support
- Third party PAM integration
- 2FA Support
- Reduce cost and complexity

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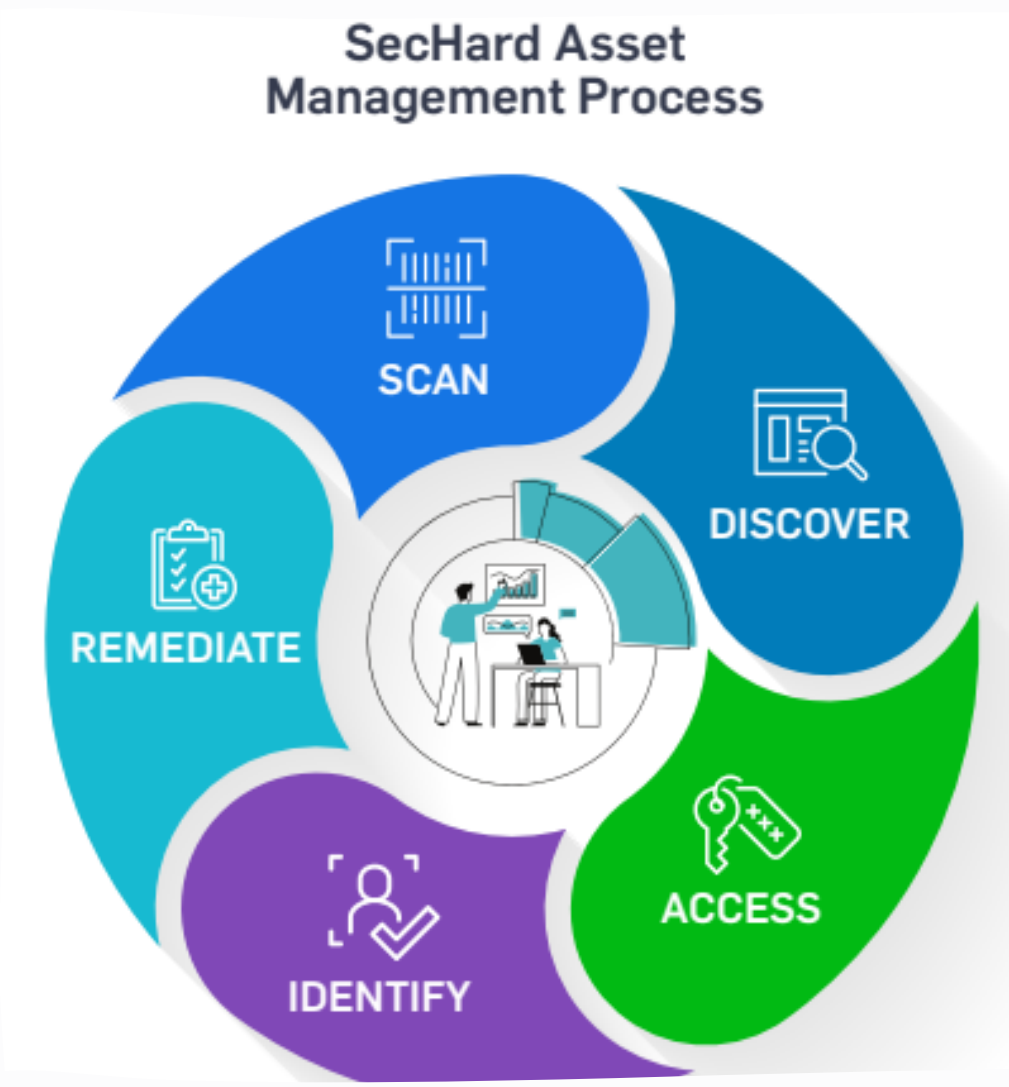
Asset Manager

- SecHard solves the asset management problem with its auto-discovery feature, where it can detect new and changing assets, automatically.
- It securely accesses the assets using the features of the PAM module and automatically generates various security scores including security hardening.
- The SecHard Asset Manager module enables the management and reporting of hardware, hardware components (CPU, RAM, disc, etc.), and software inventory (operating systems, installed software, running services, etc.).
- SecHard can also import risk scores from GRC products and has been developed in accordance with the NIST Cybersecurity Framework and Gartner Adaptive Security Architecture.

Benefits:

- Automated asset discovery
- Automated security scoring for new assets
- Security baseline enforcement
- Hardware and software inventory management
- GRC and CMDB integration



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Risk Manager

- SecHard combines business and technical risks and calculate real world risk scores.
- Using its own security hardening, vulnerability management, and asset management modules, SecHard measures and scores technical security risks of assets or asset groups.
- SecHard has the security hardening remediation feature to reduce technical risk scores after determining the real-world risk score.
- SecHard can associate SecHard assets with asset groups in GRC and automatically takes asset or asset group risk scores from the GRC.

Benefits:

- Hardening, security and vulnerability risk scoring
- Asset-based risk management
- Real world risk scoring
- GRC integration
- Immediate security with Trellix (McAfee Enterprise) integration

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Vulnerability Manager

- SecHard operates the vulnerability detection and management processes for all IT assets without creating any risks, thanks to the passive scanning method.
- SecHard collects detailed information about assets and software using the asset manager and device manager modules.
- Using the National Vulnerability Database (NVD), SecHard identifies any public exploit vulnerabilities in the operating systems used by the organization.
- In addition to importing scores from third-party vulnerability scanners, SecHard can also export vulnerability scores.

Benefits:

- Passive vulnerability scanning
- CVSS based risk scoring
- Integration with third parties
- Public exploit availability
- Detailed reports and alarms

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Performance Monitor

- SecHard provides integrated performance and availability monitoring for both servers and network devices
- Using the integrated architecture SecHard can monitor servers and network devices data coming through VMI, Nod, and SNMP exporters via an advanced dashboard.
- Customized Dashboards display real-time information to monitoring teams, can send alerts, and e-mails, and run triggers when thresholds are exceeded.
- The SecHard performance monitor tool provides monitoring services for desktops, servers, databases, web services, SMTP services, ip cameras, network printers, routers, switches etc.

Benefits:

- Wide device support
- Advanced alarms and automatic actions
- Intelligent and customizable dashboards
- Bandwidth monitoring for network devices
- Historical reporting

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Device Manager

- SecHard performs security hardening checks, configuration, and device management tasks with great success and speed.
- It can centrally restore and back up network device configurations and monitor and manage all configuration changes on the assets it manages.
- For network devices, the number of ports and their status, the details of the traffic passing through the ports, CPU, and RAM usage is monitored by SecHard.
- To prevent attacks like ARP spoofing, STP manipulation, and DHCP starvation, port security settings need to be made, SecHard checks if port security settings have been made correctly or not, and network devices that lack the necessary security configurations can be automatically remedied.

Benefits:

- Configuration backup and restore
- Change management
- Role-based management
- Multiple device configuration
- Continuous monitoring and reporting

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TACACS+ Server

- SecHard TACACS+ module can perform central authentication and authorization for *nix systems and network devices.
- SecHard TACACS+ server provides a Single Sign On (SSO) facility with Microsoft Active Directory integration.
- SecHard provides automated implementation to enforce required configuration on multiple *nix systems, network devices, and servers within minutes.
- SecHard TACACS+ has detailed authorization and monitoring beyond authentication, where logs are guaranteed to remain unchanged with timestamps.

Benefits:

- AAA support
- Microsoft Active Directory integration
- Single Sign-On
- Automated TACACS+ configuration on multiple devices
- SIEM and third parties integration

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Syslog Server

- SecHard has a comprehensive Syslog module that can provide all necessary tasks recommended by ZTA.
- SecHard Syslog Server supports Secure (TLS) Syslog to collect logs securely from devices that support sending secure Syslog messages.
- The collected event logs are stored with a time stamp.
- All Syslog events can be forwarded to third parties such as SIEM, SOAR, and log management software in Cisco Express Forwarding (CEF) or Syslog format.

Benefits:

- Quick deployment
- Realtime log monitoring
- Advanced reporting and alarm
- Event forwarding for third parties
- Customizable dashboards

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Summary

- As a hybrid solution, SecHard is able to perform all the NIST Cybersecurity Framework functions and the recommended processes of Gartner Adaptive Security Architecture without the need for experts.

- SecHard is a game-changer that complies with the Executive Office of the President Memorandum (M-22-09) and NIST SP 800-207 Zero Trust Architecture publication.

- Security analysis and remediation with SecHard are automated, which provides a significant return on investment (ROI) tens of times higher than other information security products.

- It is a fantastic technology that works agentless and requires no changes to your environment and can be installed in an hour. It also supports bidirectional APIs for easy third-party integration.

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Implement a Zero-Trust Security Model

The Unprecedented growth in ransomware attacks has shifted the reactive thinking of organizations & they are ready to embrace a security model that can accommodate a distributed workforce and remote work culture and give confidence in the security within their organization.

The zero-trust architecture and a centralized zero-trust platform are the need of the hour. SecureB4, in partnership with SecHard, brings you a complete suite of zero trust.

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