



## DATA SHEET



# Machine Identity Meets Cryptographic Vulnerability Management

## Comprehensive Identity Management with Cryptographic Visibility, Control, and Remediation

The integration of Venafi Machine Identity Management and InfoSec Global Federal AgileSec Analytics enhances cybersecurity resilience for government agencies with stringent security, compliance, and cryptographic agility requirements. This innovative integration delivers a proactive, automated, and policy-driven approach to securing all non-human identities and cryptographic assets, enabling agencies to mitigate threats and maintain compliance more effectively.

### Key Benefits

#### Comprehensive Machine Identity Protection

- Venafi specializes in securing machine identities (TLS certificates, SSH keys, code signing, etc.), ensuring authentication and encryption for trusted communications.
- InfoSec Global Federal's AgileSec Analytics continuously analyzes cryptographic assets, detecting vulnerabilities, malicious algorithms, and potential weaknesses.

#### Cryptographic Agility & Risk Mitigation

- AgileSec Analytics identifies outdated, weak, or non-compliant cryptographic algorithms across the enterprise.
- With Venafi, agencies can harden endpoint security and automate the remediation of weak cryptographic assets, replacing them with strong, policy-compliant identities.

#### Compliance & Policy Enforcement

- Government agencies must meet strict compliance requirements (e.g., FIPS 140-2, NIST 800-53, M 23-02).
- AgileSec Analytics provides cryptographic discovery, while Venafi enforces policy-driven machine identity management to ensure security compliance across the enterprise.

#### Continuous Monitoring & Threat Detection

- AgileSec Analytics provides real-time insights into cryptographic usage and risks.
- Venafi ensures that any cryptographic weaknesses detected by AgileSec Analytics are immediately addressed through automated remediation, reducing the risk of compromised identities.

## Post-Quantum Readiness

- AgileSec Analytics enables agencies to assess their cryptographic landscape and transition to quantum-safe implementations.
- Venafi's comprehensive identity lifecycle management ensures a seamless transition by automating certificate and key updates in a post-quantum world.

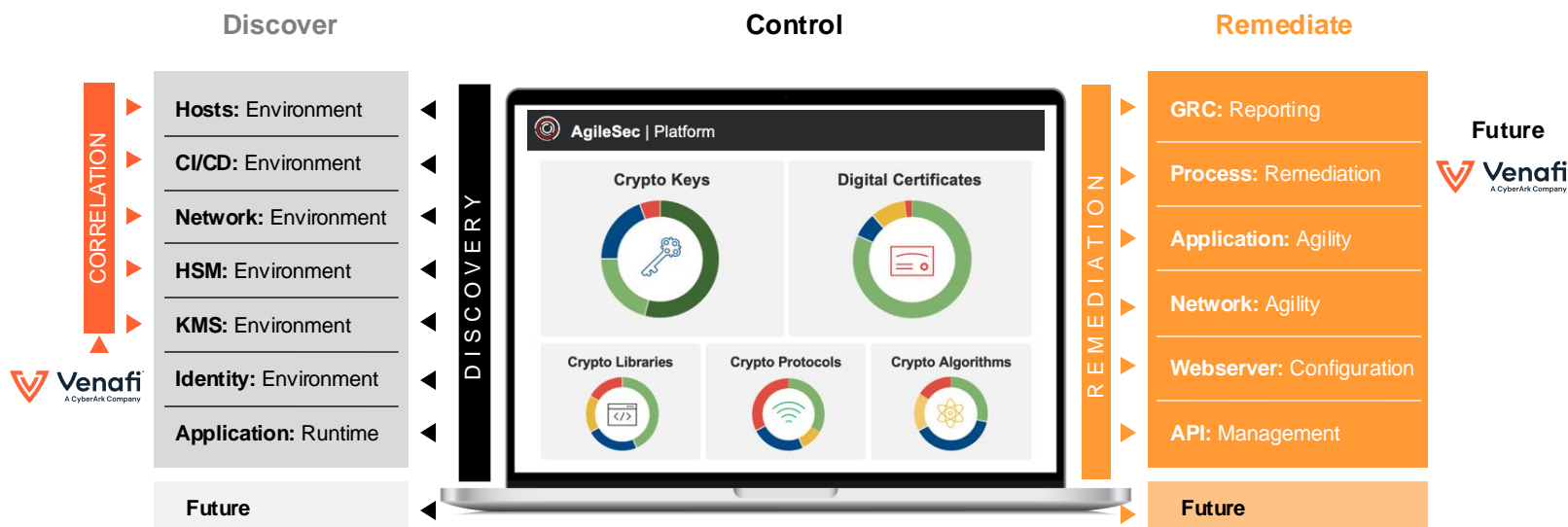
## Ransomware Protection

- AgileSec Analytics comprehensively scans all cryptographic objects across the organization to identify weak, foreign, or malicious algorithms that may serve as threat vectors for ransomware attacks.
- Venafi automates rapid remediation of vulnerable cryptographic objects and related ransomware risks by centralizing and standardizing machine identity governance.

## Featured Use Case

### Extend Machine Identity Protection Beyond the PKI Store

Expanding Venafi's robust key and certificate management capabilities to the whole PKI file system and firmware significantly reduces the risk of malicious actors identifying and exploiting "keys in the wild." Attackers actively target vulnerable cryptographic objects such as improperly managed certificates and keys that agencies cannot see or control. Attacks such as Storm 0558 and others delineate the severe damage malicious actors can impose. Now, agencies can immediately discover, inventory, and remove or replace any non-compliant certificates with a self-signed certificate (e.g., SSH key) that moves you into auditable compliance and, most importantly, moves you out of the crosshairs of an attack.



## About Merlin Cyber

Merlin Cyber is the go-to-market and Zero Trust Modernization affiliate of Merlin Group, a network of companies that invests in, enables, and scales technology companies with disruptive cyber solutions. Through Merlin Cyber, the U.S. Government can access innovative, public sector-ready cybersecurity solutions that are designed to meet government requirements and mission priorities. Merlin does this by selectively partnering with best-in-class cybersecurity brands, investing in visionary emerging technologies, and enabling the U.S. Government to successfully keep ahead of today's critical threats, accelerate Zero Trust modernization initiatives, and defend our nation.

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