CIGENT

Take Control of your CMMC Readiness

APPLY THE RIGHT SOLUTIONS AND OBTAIN YOUR CERTIFICATION

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Whitepaper

Table of Contents

About

Our One-Stop Shop

What is CMMC?

The Cybersecurity Maturity Model Certification (CMMC) enhances protection of sensitive information through five cyber hygiene levels. Each level builds on the previous one and has their own domain requirements. The Department of Defense (DoD) specifies the required level needed for specific contracts to handle Federal Contract Information (FCI) and Controlled Unclassified Information (CUI).

How can you achieve your certification?

To help you obtain your certification, Cigent has partnered with leading solutions providers to offer affordable, cloud managed, one-stop shop solutions that target exact requirements for your desired level. It can be difficult building your own technology stack; you need to ensure that the CMMC solutions are compatible, and that integration occurs without obstructing the other tools. That's why Cigent's one-stop shop intends to help you reach the higher CMMC levels without the burden of searching for, deploying, and managing one-off solutions. This comprehensive CMMC compliance service is backed by years of industry expertise and is based on government / military-grade technology that defends CUI against any threat vector. You need affordable solutions that guarantee achievement of your compliance goals; you've come to the right place.

01. SSU

Physical Security Training

Enhance your Risk Awareness

Physical security means protecting your physical assets that may reside in server rooms, private areas, or even in your home. If your security measures are not up to par, there's no way to target threats and see where they're coming from. For example, having one universal password for all your company systems means there are no logs to go through, which aid in tracking threats. SSU specializes in finding the right solutions for your information systems while maintaining CMMC requirements. They teach you how to mitigate risks through awareness training in security concepts such as the following:

Situational Response: Perceiving your security posture and its threat environment to comprehend risks. This training helps you observe and analyze for system status changes in the future so you can tackle them accordingly.

Threat Analysis: Comprehension of your organization's information weaknesses are tested against realistic cyberattacks. This training betters your ability to combat risks.

They also demonstrate how to develop programs to execute for finding and managing threats. SSU's services meet CMMC controls for levels 1-3.

Universal Password?

no logs to go through

no threat detection

CMMC Levels 1-3

You can achieve CMMC levels 1-3 alongside five core domain requirements with SSU's Physical Security Training. The domains this compliance solution addresses are: Access Control (AC), Awareness and Training (AT), Media Protection (MP), Physical Protection (PE), and Personnel Security (PE).

Visit strategicsolutionsunlimited.com for more information.

02. PC Matic
Whitelist Management

Prevent Threats with a Deny-All Approach

Similar to how your firewall uses a deny-all, allow-by-exception approach to only allow approved traffic into your network, whitelisting is the act of employing a deny-all, allow-by-exception security posture at the endpoint. A deny-all approach is the only way to proactively prevent threats; all other detect-and-respond approaches (e.g., EDR, MDR, TDR, XDR, etc.) require the threat to occur before they can counter it. Thanks to its global and patented digital-code-signing-certificate lists, PC Matic's whitelisting removes deployment and maintenance headaches that are common with other whitelisting technologies. It provides the layers needed to meet CMMC levels 1-3 and differs from typical whitelist management in the following ways:

Initial Enumeration: Unlike typical whitelisting requiring a network administrator to enumerate all the software in your environment and then populate an initial whitelist, PC Matic has a pre-populated global whitelist compiled from intelligence collected from millions of endpoints under management. This means that deployment only requires bespoke software that is unique to your environment to be addressed if you have any homegrown applications in use.

Patches & Updates: Whenever any endpoint under management sees an unknown application, that application is automatically reviewed by PC Matic's Malware Research Team and then is added to the global whitelist if it's a safe program. This means that instead of an administrator having to update your local list for all software patches prior to them being able to be executed in your environment, this process has been automated, greatly reducing administrative overhead.

Homegrown Software: PC Matic's patented digital code signing certificate whitelisting means that for firms who have a lot of homegrown software, the network administrators can add their developers' signatures to the whitelist, allowing their code to run without the administrator having to allow every file. Similarly, if all the code from a developer needs to be immediately stopped, this can be done by moving that certificate to a black list. This allows for full digital code signing certificate policy enforcement in line with NIST recommendations.

Whitelist Management Options: Management options are typically available locally by hash or directory. PC Matic extends these options with global and local options by hash, directory, or code signing certificate.

CMMC Levels 1-3

You can achieve CMMC levels 1-3 alongside six core domain requirements with PC Matic's Whitelist Management. The domains this compliance solution addresses are: Access Control (AC), Audit and Accountability (AU), Configuration Management (CM), Media Protection (MP), Risk Assessment (RM), and System and Information Integrity (SI).

Visit www.pcmatic.com for more information.

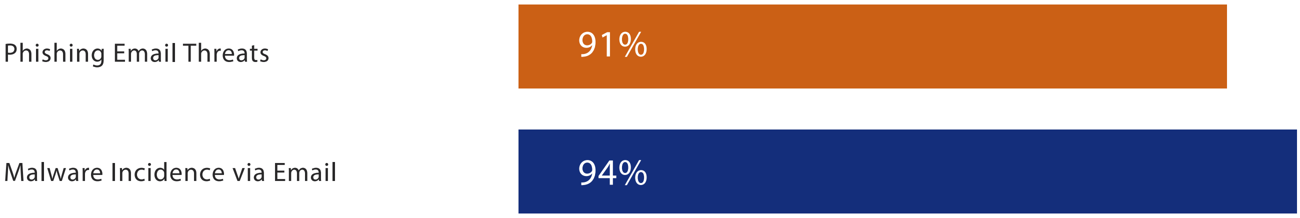
03. Avanan

Email/File Share Security

Collaborate Safely Through Email and File Share

The #1 breach threat for users is phishing emails that aim to steal sensitive information. Malware incidence also occurs often where viruses hide in emails and act upon opening. Avanan tackles cyber-attacks through proactive email security that captures, scans, and remediates targeted issues before attacks get to your inbox. If the email is not malicious, it gets delivered. To ensure you're not exposed from any angle, these security measures extend to internal, inbound, and outbound emails, as well as collaboration on file share apps. For file sharing, every time a file is clicked on, it's rescanned and then rewritten if malicious. Avanan's email/file share security covers CMMC level 3 email protections and sandboxing with the following:

Complete Malware: Guarantees anti-phishing and advanced malware protection for Office 365 email, OneDrive and Sharepoint, G Suite Gmail and GDrive, Slack, Teams, Box, Dropbox, Citrix ShareFile or other collaboration apps.



CMMC Level 3

You can achieve CMMC level 3 requirements for email protections and sandboxing that encompass the System and Information Integrity (SI) domain with Avanan's email and file security.

Visit avanan.com for more information.

04. Cigent
Cigent D3E

Control Access with Multi-Factor Authentication

Protection of CUI is a critical requirement of CMMC level 3. Cigent's Dynamic Data Defense Engine™ (D^{3}E) Zero Trust file access controls utilize multi-factor authentication to protect CUI from data theft and ransomware, even if a system is compromised. Its authentication capabilities also allow you or your organization to encrypt and control access to sensitive files. As a result, they are securely stored in any location and shared with only trusted users. D^{3}E meets CMMC levels 1-3 and includes the following features:

Frictionless Security Layer: D^{3}E provides CUI protection from any threat by putting protection as close to the data as possible.

Zero Trust: Multi-factor authentication protects sensitive files from any threat, even if they have access to the endpoint or have intercepted the data from a security breach or from the Cloud in transit.

Advanced Threat Sensors: Threat sensors continuously monitor your Windows system for signs of compromise and protect designated files with MFA when a threat is detected.

Cloud-based Management: Manage all Windows 7/10 devices from a single cloud-based console with global policy settings that make centralized protection of CUI easy and effective.

1 **Protect** 2 **Detect** 3 **Secure** 4 **Manage**

CMMC Levels 1-3

You can achieve CMMC levels 1-3 alongside six core domain requirements with Cigent D3E. The domains this compliance solution addresses are: Access Control (AC), Audit and Accountability (AU), Identification and Authentication (IA), Media Protection (MP), System and Communications Protection (SC), and System and Information Integrity (SI).

Visit www.cigent.com for more information.

05. Cigent
Cigent Secure SSD

Store Files with Maximum Security

Cigent Secure SSD™ features the first and only family of self-defending storage devices with cybersecurity built into the firmware itself. They include a dedicated security processor that relies on machine learning to detect and respond to ransomware, a keep-alive sensor that automatically encrypts sensitive files if security software is bypassed, and a safe room that makes data invisible to any attacker. When paired with D^{3}E, you can remain confident that your data stays protected throughout the entire device lifecycle. Secure SSD contains the following advantages for CMMC levels 1-3:

Secure Drive: Use D^{3}E to easily set up hardware-encrypted "Safe Rooms" on the Secure SSD. Designated files are not just inaccessible to an attacker or unauthorized party; they remain completely invisible until mounted by the user via a step-up authentication. Once mounted, if D^{3}E or your antivirus software detects a threat, Secure Drives auto-lock until the threat clears and the authorized user re-authenticates.

Ransomware Protection: Certain Cigent Secure SSDs include a dedicated security processor that employs machine learning to automatically detect and repel ransomware attacks, even if host security software is disabled or bypassed. When an attack is detected, sensitive files stored in "Safe Rooms" automatically lock and disappear from the operating system layer until the threat clears. For files not stored in a Safe Room, Cigent D^{3}E employs Zero-Trust multi-factor authentication for file access, thus preventing ransomware from accessing and encrypting those files as well.

Keep Alive Sensor: If the D^{3}E software agent is bypassed or disabled by a bad actor, or the Secure SSD is lost or stolen, protected files lock and Secure Drives encrypt on the fly and remain hidden, invisible, and fully inaccessible to an attacker.

Dual Mode: Use D^{3}E to set up a "hidden" drive that remains invisible to the operating system until you "flip" into it using multi-factor authentication. Dual Mode enables numerous use cases: segment your system into work vs personal usage, hide ultra-sensitive files from would-be attackers on the hidden drive, and install two different operating systems and share your system with another user.

File Access Logging: Firmware archives and protects comprehensive, detailed storage data access logs from being deleted. This enables quick and effective response to endpoint data breaches or insider theft.

True Erase: When any SSD is repurposed, retired, or destroyed, proper data sanitization must occur if sensitive CUI was previously saved on the system. Research shows that SSDs often inaccurately report successful removal of data. Cigent's built-in verification technology shows exactly what is removed and what information, if any, remains.

CMMC Levels 1-3

You can achieve CMMC levels 1-3 alongside seven core domain requirements with Cigent Secure SSD. The domains this compliance solution addresses are: Access Control (AC), Identification and Authentication (IA), Audit and Accountability (AU), Maintenance (MA), Media Protection (MP), System and Communications Protection (SC), and System and Information Integrity (SI).

Visit www.cigent.com for more information.

06. Cigent

Cigent for Networks

Detect and Respond to Threats 24/7

Imagine having some of the industry's best cybersecurity professionals monitoring your network traffic 24/7, watching for hackers trying to steal or ransom data from any of the devices on your network. The Cigent for Networks™ (C4N) service features several layers of advanced network detection and response technology, fully managed by Cigent cybersecurity experts 24/7. Best of all, C4N is affordable, easy to install, and immediately effective. C4N features the following benefits for CMMC levels 1-3:

Cyber Threat Sensor: C4N is powered by a Cyberthreat Sensor that plugs into your existing firewall or router. All data packets running into and out of the network are inspected and logged. When threats are detected, they are immediately blocked.

Cigent Cyber Security Operations Center: Based in the cloud—and staffed by highly trained analysts—the Cigent CSOC does exactly what the cyber-criminals hope you don't do. It always keeps eyes on your network, relentlessly identifying vulnerabilities and hunting down and destroying cyber threats in customer environments.

Threat Intelligence Engine: Threat intelligence from public, private, and government sources is analyzed and updated hourly to the Cigent C4N Cyberthreat Sensor. Communications between any device on the C4N managed network and known compromised infrastructure is automatically blocked.

Network Security Monitoring and Forensics: All data packets are inspected, classified, analyzed, and logged, ensuring known and unknown indicators of compromise (IOCs) are identified and blocked. Advanced data analytics are used to detect advanced network communications anomalies.

Intrusion Detection & Response: As packets are ingested into the system, they are inspected by an Intrusion Detection System (IDS) looking for threats, anomalies, misconfigurations, and other indicators of compromise. Egregious threat communications are blocked in real time.

Deception Engine: The Deception Engine disguises itself as a valuable, vulnerable target on your network, setting a honeypot-style trap for malware, ransomware, or other internal cyber adversaries trying to pivot laterally inside the network.

Vulnerability Scanning: C4N can scan your internal network for vulnerabilities on a monthly basis. The CSOC alerts you when it finds urgent vulnerabilities.

Behavioral Network Risk Scoring: C4N profiles the network's behavior over time in order to calculate the risk / likelihood of a cybersecurity "incident." Large changes in the risk score are alerted to the Cigent SOC for Investigation.

CMMC Levels 1-3

You can achieve CMMC levels 1-3 alongside eight core domain requirements with C4N. The domains this compliance solution address are: Access Control (AC), Audit and Accountability (AU), Security Assessment (CA), Configuration Management (CM), Incident Response (IR), Risk Management (RM), System and Communications Protection (SC), and System and Information Integrity (SI).

Visit www.cigent.com for more information.