CYBER SPARC AI™
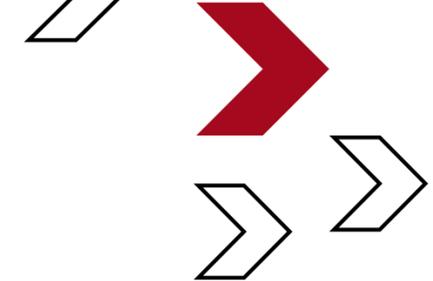
CAPABILITIES BREIFING

Protecting Your Digital World with Artificial Intelligence

ABOUT US

Cyber Sparc AI™ https://cybersparcai.com is a cutting-edge cybersecurity Small Disadvantaged Business (SDB) that integrates artificial intelligence with proven federal and commercial cybersecurity frameworks to deliver proactive, intelligent cyber solutions. Built on innovation and guided by NIST standards, we provide scalable solutions that enhance resilience, ensure readiness, and enable mission assurance across the cyber domain.

Our Generative AI and hyper-automation solutions deliver cybersecurity-related support and solutions that enhance efficiency and strengthen the security of the computing environment. Our purpose is to empower organizations to protect their digital assets and operations by developing innovative AI-driven cybersecurity solutions that detect, prevent, and respond to evolving threats with speed, intelligence, and reliability. From continuous monitoring and incident response to automated compliance and audit log analysis, Cyber Sparc AI™ empowers teams to stay one step ahead of adversaries.

VISION

To be the trusted leader in AI-driven cybersecurity, empowering organizations to achieve continuous monitoring, real-time risk management, and enduring mission assurance.
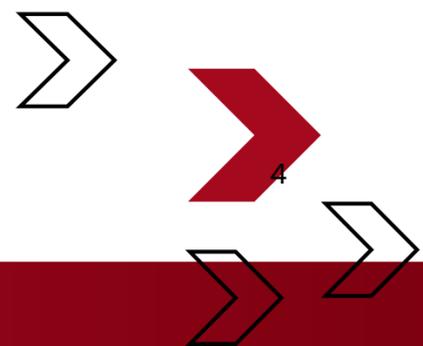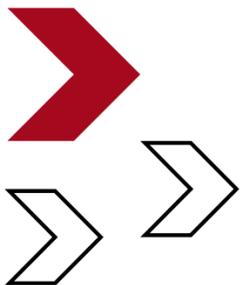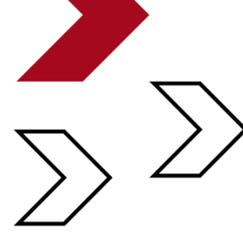
MISSION

To deliver AI-enabled cybersecurity solutions that advance system security profiles by automating compliance, strengthening situational awareness, and ensuring continuous protection across critical systems and networks.

CORE CAPABILITIES

- **Innovating the Cyber Domain**
- Cyber Dome™: NIST Cybersecurity Framework Integration
- CyberSheild™: AI-Powered Continuous Monitoring
- CyberCenturion™:Adaptive Incident Response
- Cyber Planner™: Automated Security Plan Management
- Cybervault™: Intelligent Audit Log Monitoring
- Predictive Threat Intelligence
- Mission Assurance

- **541512** – Computer Systems Design Services
- **541511** – Custom Computer Programming Services
- **518210** – Data Processing, Hosting, and Related Services
- **541519** – Other Computer Related Services
- **541690** – Other Scientific and Technical Consulting Services
- **541611** – Administrative Management & General Management Consulting Services

INNOVATING THE CYBER DOMAIN

AI-DRIVEN DEFENSE ALIGNED TO MISSION & COMPLIANCE

Empowering organizations to achieve proactive, intelligent, and continuous cyber defense through AI-driven automation.

- **Strengthens cyber resilience across all operational domains**
- **Designed for NIST and FedRAMP-aligned environments**
- **Strengthens NIST-compliant environments through automation and analytics**
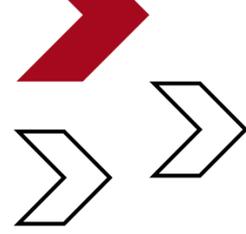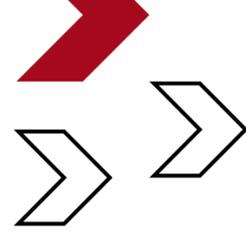
PREDICTIVE THREAT INTELLIGENCE

FORECASTING ADVERSARIES BEFORE THEY STRIKE

Leveraging AI models to forecast cyber risks and strengthen proactive defense.

- **Context-rich analysis of adversary tactics and trends**
- **Machine learning identifies threat patterns before exploitation**
- **Integrates external threat feeds with internal telemetry**

MISSION ASSURANCE

CONTINUOUS READINESS. RESILIENCE. COMPLIANCE. CONFIDENCE.

Enhancing readiness, resilience, and compliance across the enterprise.

- **360° cyber visibility and adaptive protection**
- **FedRAMP-aligned automation for secure modernization**
- **Continuous improvement aligned with federal cybersecurity standards**
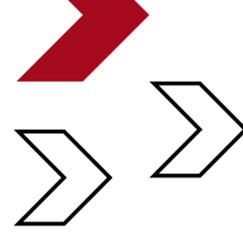
CYBER DOME™: NIST CYBERSECURITY FRAMEWORK INTEGRATION

EMBEDDING AI INTO YOUR COMPLIANCE & CONTROL ARCHITECTURE

Embedding AI into the NIST Cybersecurity Framework for enhanced protection and efficiency.

- **Maps AI controls directly to NIST functions**
- **Automates compliance with NIST 800-53 and 800-171 controls**
- **Continuously assesses, monitors, and improves security posture**

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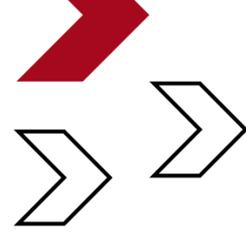
CYBERSHEILD™: AI-POWERED CONTINUOUS MONITORING

24/7 INSIGHT ACROSS NETWORKS, CLOUD, AND ENDPOINTS

Harnessing machine learning to detect, predict, and respond to threats in real time.

- **Machine learning models identify behavioral deviations instantly**
- **Automated data collection and analysis across networks and endpoints**
- **AI algorithms identify anomalous behavior and prioritize critical alerts**
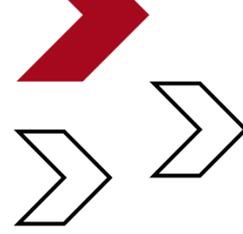
CYBERCENTURION™:ADAPTIVE INCIDENT RESPONSE

AUTOMATED TRIAGE. DEEP CONTEXT. FASTER CONTAINMENT.

Smart, AI-driven incident response that evolves with emerging threats.

- **AI correlates events across multiple data sources**
- **Automated playbooks accelerate remediation**
- **Real-time threat intelligence ensures precision response**
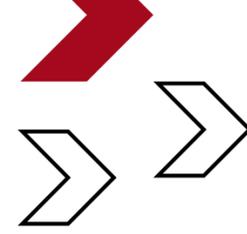
CYBER PLANNER™: AUTOMATED SECURITY PLAN MANAGEMENT

SMART DOCUMENTATION, ALWAYS CURRENT, ALWAYS COMPLIANT

Streamlining Security System Plans through intelligent automation.

- **Integrates directly with audit and compliance systems**
- **Minimizes administrative workload and human error**
- **AI auto-generates and maintains up-to-date SSP documentation**
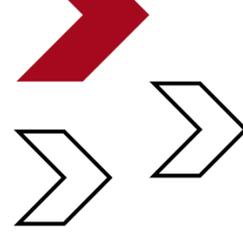
CYBERVAULT™: INTELLIGENT AUDIT LOG MONITORING

TURNING LOGS INTO INTELLIGENCE, INSTANTLY

Turning audit logs into actionable intelligence through automation and AI insights.

- **Continuous audit data ingestion and analysis**
- **AI correlates log data from multiple sources for faster anomaly detection**
- **Predictive analytics identify trends before incidents occur**
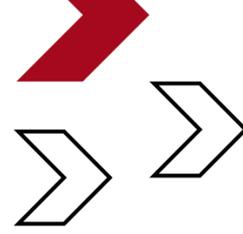
PLATINUM OS™: THE ARCHITECTURE OF AUTONOMY

MISSION-READY PAAS FOR GENERATIVE AI & HYPER-AUTOMATION

A proprietary, native-first Platform-as-a-Service (PaaS) built on a security-hardened, minimalist Linux foundation to eliminate the "virtualization tax" and maximize bare-metal performance for AI workloads.

- **High-Density Compute:** Orchestrates AWS, Azure, and on-premises hardware through a single unified dashboard, delivering scalable infrastructure without resource-heavy abstraction layers.
- **Autonomous DevOps:** Embeds local AI Agents that use standardized protocols to manage system health, automate "one-click" deployments, and provide self-healing operational support.
- **Integrated Ecosystem:** Features built-in GitHub-style repositories, PostgreSQL databases, and Keycloak SSO (Azure AD integrated) to provide a private, compliant environment at no additional licensing cost.
- **Quantum-Ready Engineering:** Leverages specialized subsidiaries (Alpha X AI, Cyber Sparc AI, Duality Q, Pantheon Design) to deploy agile, future-proof architectures for mission-critical data reconciliation.

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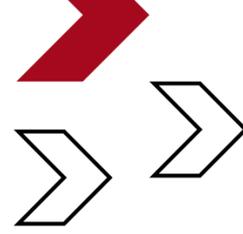
HIGH-PERFORMANCE SECURE FOUNDATION

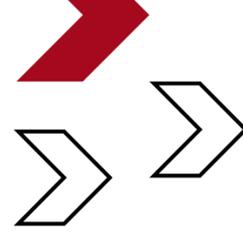## THE BACKBONE FOR ADVANCED AI AND EMERGING TECH

The Coolify Product Platform
- Coolify is an enterprise-grade, self-hosted orchestration platform that serves as the "intelligent brain" of Platinum's environment. It provides cloud-like agility (similar to Heroku) while ensuring **100% data sovereignty** on our private, U.S.-based hardware.
- Reduced Complexity: Simplifies the deployment of complex AI architectures while maintaining full control over the underlying infrastructure.

The Core Coolify Advantage to Cyber Sparc AI™ Infrastructure
- Powerful U.S.-Based VPS: High-performance backbone featuring 8 CPU cores and 32 GB of RAM with expandable storage.
- Hardened Security Posture: Enterprise-grade environment featuring layered firewalls, secure VPN access, and fully managed external protections.
- Turnkey AI Readiness: Eliminates the burden of hardware management and complex cloud configurations, providing a private, compliant foundation for sensitive AI workloads.

U.S.-BASED VPS
8 CPU CORES / 32 GB RAM / EXPANDABLE STORAGE
HIGH-PERFORMANCE AI BACKBONE

VPN ACCESS

HARDENED ENTERPRISE-GRADE ENVIRONMENT

COMPLIANT & PRIVATE FOR SENSITIVE AI

HIGH-PERFORMANCE AI BACKBONE

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THE INTEGRATED AI ECOSYSTEM

CENTRALIZED CONTROL AND ENTERPRISE-GRADE COLLABORATION

Self-Hosted Enterprise Services
- Dev Sec Ops Autonomy: Secure, self-hosted GitHub-style repositories and standalone PostgreSQL databases for complete data sovereignty.
- Interconnected Services: A highly adaptable ecosystem where shared services interconnect seamlessly across various AI applications.

Identity & Access Management
- Enterprise SSO: Built-in Keycloak integration providing Single Sign-On (SSO) with Azure AD.
- Cost-Effective Security: Delivers robust, enterprise-grade identity management without the burden of additional licensing costs.

Collaborative Innovation
- National Reach: Empowers Platinum's distributed teams to collaborate securely on sensitive projects from any location.
- Full Infrastructure Control: Combines the ease of the cloud with the security and cost-predictability of a private, managed environment.
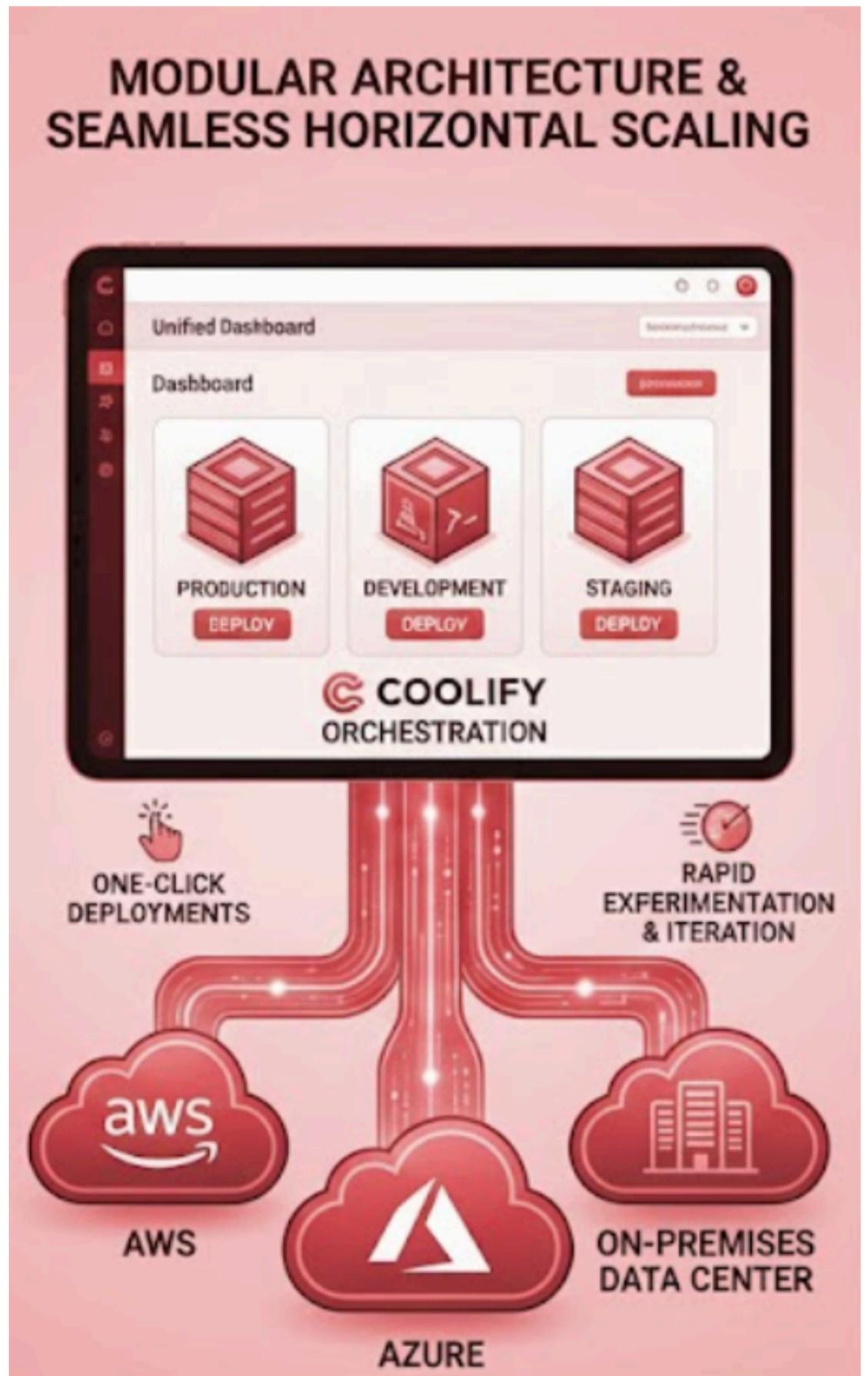
THANK
YOU

Contact Us:

President & CEO

Jody Venkatesan

jvenkatesan@cybersparcai.com

Direct: (301) 651-1297

Website: cybersparcai.com

OUR PARTNERS