

Your Trusted Partner for Cybersecurity Modernization and Zero Trust



SOLUTIONS BRIEF

Secure. Modernize. Defend.

The Enterprise Organization cyber threat landscape is evolving at an unprecedented pace. CTG National delivers business-driven cybersecurity solutions that align with Zero Trust best practices, securing critical infrastructure, sensitive data environments, and operational technology (OT).

With an ecosystem of industry-leading technology partners, we architect and deploy cutting-edge cyber defenses tailored to business-critical operations. We leverage an extensive cybersecurity ecosystem to help organizations achieve Zero Trust Architecture (ZTA) and strengthen cyber resilience against evolving threats.

Comprehensive Cybersecurity Capabilities



ZERO TRUST ARCHITECTURE (ZTA) IMPLEMENTATION

- **Identity and Access Management (IAM)**
Enforce least-privilege access and continuous authentication.
- **Zero Trust Network Access (ZTNA)**
Secure access to applications and data without relying on a traditional VPN.
- **Software-Defined Perimeter (SDP)**
Protect enterprise networks with dynamic segmentation and identity-based policies.



POST-QUANTUM CRYPTOGRAPHY (PQC) & CRYPTOGRAPHIC MODERNIZATION

- **Migration to Post-Quantum Cryptography**
Supporting Enterprise Organizations in implementing OMB M-23-02 and NSM-10 guidelines, ensuring cryptographic resilience against future quantum computing threats.
- **Cryptographic Inventory & Risk Assessment**
Identifying vulnerable encryption schemes and transitioning to NIST-recommended post-quantum algorithms.



ENDPOINT & EXTENDED DETECTION AND RESPONSE (EDR/XDR)

- **AI/ML-Driven Threat Detection & Response**
Leverage advanced analytics to identify and respond to cyber threats.
- **Extended Detection and Response (XDR)**
XDR goes beyond traditional EDR by correlating data across endpoints, networks, cloud environments, and applications to provide a holistic threat detection and automated response strategy.



NETWORK DETECTION & RESPONSE (NDR)

- **Deep Packet Inspection (DPI)**
Identify malicious traffic in encrypted and unencrypted environments.
- **Anomaly Detection**
AI-driven behavioral analytics to detect insider threats and lateral movement.



SECURE ACCESS SERVICE EDGE (SASE)

- **Cloud-Native Security**
Combine SD-WAN with cloud-delivered security services for seamless remote access.
- **Secure Web Gateway (SWG) & Cloud Access Security Broker (CASB)**
Enforce security policies across distributed environments.



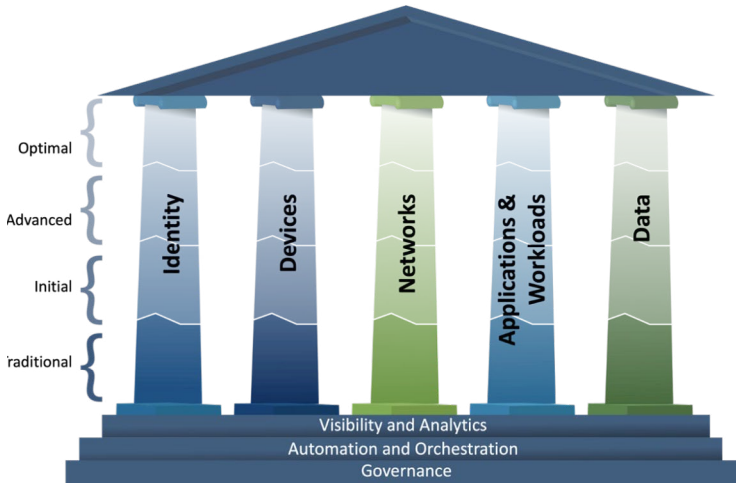
INDUSTRIAL CONTROL SECURITY

- **Operational Technology (OT) & Cyber-Physical System (CPS) Protection**
Secure critical infrastructure, industrial systems, and SCADA environments from cyber threats.
- **Continuous Monitoring & AI-Driven Threat Prevention**
Prevent disruption in industrial and energy sector operations.



SECURITY ORCHESTRATION, AUTOMATION, AND RESPONSE (SOAR)

- **Incident Response Automation**
Accelerate mitigation and reduce dwell time with AI-driven security playbooks.
- **Cross-Tool Integration**
Unify SIEM, EDR, NDR, and cloud security platforms for a centralized security posture.



Partner with CTG National for Cybersecurity Excellence

CTG National delivers cutting-edge cybersecurity solutions to safeguard from national security assets to business-critical systems. We help Enterprise Organizations accelerate Zero Trust adoption, enhance cyber resilience, and migrate to post-quantum cryptography to prepare for the future of cyber threats.

Contact us today to discuss how CTG National can support your cybersecurity modernization efforts.

Visit us at www.ctgnational.com.

Zero Trust Maturity Model Pillars: This illustration was inspired by Figure 1 of the American Council for Technology (ACT) and Industry Advisory Council (IAC) "Zero Trust Cybersecurity Current Trends," (2019). <https://www.actiac.org/system/files/ACT-IAC%20Zero%20Trust%20Project%20Report%2004182019.pdf>

Why CTG National?



PROVEN EXPERTISE IN ENTERPRISE CYBERSECURITY MODERNIZATION

Trusted Partner in securing business-critical Enterprise environments.



BEST-OF-BREED CYBERSECURITY PARTNER ECOSYSTEM

Strategic relationships with leading cybersecurity providers to deliver innovative and scalable security solutions.



TAILORED SECURITY SOLUTIONS

Customized architectures that align with industry standard best practices and industry compliance security needs.



END-TO-END SECURITY LIFECYCLE SUPPORT

From assessment and implementation to continuous monitoring and optimization.

Contracts

DUN & Bradstreet: 080932836

UEI: G2D4Q7UKR5P5

CAGE Code: 7ZHE9

NAICS Code(s): 541519



Smart | Secure | Scalable

(703) 278-3885

contact@ctgnational.com

1818 Library Street, Suite 500

Reston, VA 20190

www.ctgnational.com