Your Trusted Partner for Cybersecurity Modernization and Zero Trust

CTG FEDERAL
Cohesive Technology Group

SOLUTIONS BRIEF

Secure. Modernize. Defend.

The U.S. Government's cyber threat landscape is evolving at an unprecedented pace. CTG Federal delivers mission-driven cybersecurity solutions that align with federal Zero Trust mandates, securing critical infrastructure, classified environments, and operational technology (OT).

With an ecosystem of industry-leading technology partners, we architect and deploy cutting-edge cyber defenses tailored to mission-critical operations. We leverage an extensive cybersecurity ecosystem to help agencies 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 agency networks with dynamic segmentation and identity-based policies.

POST-QUANTUM CRYPTOGRAPHY (PQC) & CRYPTOGRAPHIC MODERNIZATION

- **Migration to Post-Quantum Cryptography**
  Supporting federal agencies 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

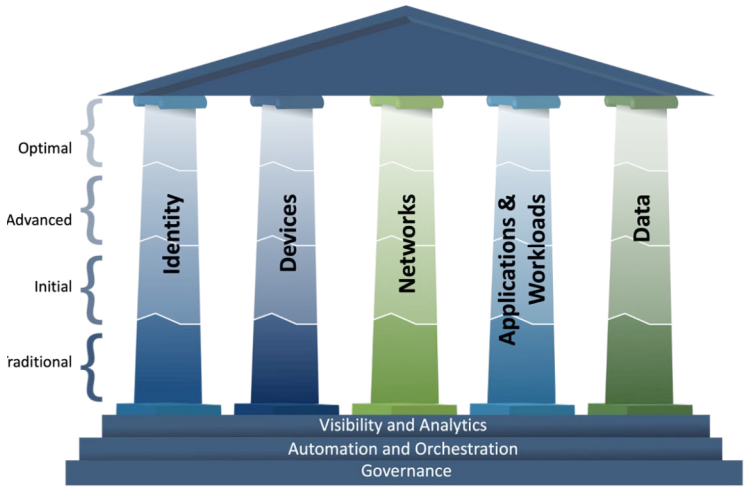
- **Operational Technology (OT) & Cyber-Physical System (CPS) Protection**
  Secure critical infrastructure, industrial systems, and SCADA environments from cyber threats.
- **Continuous Monitoring & AI-Driven Threat Prevention**
  Prevent disruption in industrial and energy sector operations.

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.

A trusted advisor specializing in smart, secure, and scalable solutions

CTG FEDERAL



Partner with CTG Federal for Cybersecurity Excellence

CTG Federal delivers cutting-edge cybersecurity solutions to safeguard national security assets and mission-critical systems. We help agencies 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 Federal can support your cybersecurity modernization efforts.

Visit us at www.ctgfederal.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 Federal?

PROVEN EXPERTISE IN FEDERAL CYBERSECURITY MODERNIZATION
Trusted partner supporting defense, intelligence, and civilian agencies in securing mission-critical environments.

TAILORED SECURITY SOLUTIONS
Customized architectures that align with federal compliance mandates and agency-specific security needs.

BEST-OF-BREED CYBERSECURITY PARTNER ECOSYSTEM
Strategic relationships with leading cybersecurity providers to deliver innovative and scalable security solutions.

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

NASA SEWP V
Contract Number: NNG15SD12B
Group: Group B_Small Business

GSA Multiple Award Schedule (MAS)
Contract Number: 47QTCA25D003P

DOE ICPT
Contract Number: ICPT CISCO BOA 4I-30062-0008A

Dell Technologies ICPT Agreement
Contract Number: 4I-31841 Small Business

Horizon ELA
Contract Number: W519TC-25-D-A005

CTG FEDERAL

Smart | Secure | Scalable

(703) 278-3885
contact@ctgfederal.com
1818 Library Street, Suite 500
Reston, VA 20190

www.ctgfederal.com