

# Your Trusted Partner for Cybersecurity Modernization and Zero Trust



## 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.



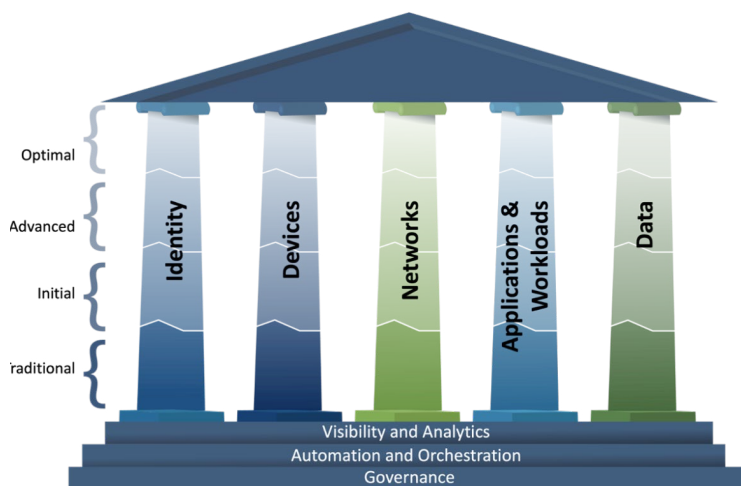
#### **INDUSTRIAL CONTROL SECURITY**

- **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.



## 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](http://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.



### 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 federal compliance mandates and agency-specific 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

### 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

### ITES-4H

**Contract Number:** W519TC25DA013