

Executive Summary

Cognitics, Inc. is a woman owned small business providing cloud first: IT modernization services to federal customers. Our core competency is to provide flexible, scalable state of the art solutions to customers that align with their business strategy and tailored to their specific needs.

We are subject matter experts and have experience in:

- SecDevOps: Amazon Web Services (AWS); Azure cloud
- Hardening/Securing/Monitoring cloud environments
- Cloud based AI/ML and other Advanced analytics.

Business Data

UEI: HTRYZ3S91BT4

CAGE Code: 8W9B3

Certifications (in progress): SBA - 8(a), EDWOSB, WOSB.

NAICS Codes:

- 518210 - Cloud related IT professional services
- 541511 - Custom Computer Programming Services
- 541512 - Computer Systems Design Services
- 541513 - Computer Facilities Management Services
- 541519 - Other Computer Related Services
- 541618 - Other Management Consulting Services
- 541990 - All other Professional, S&T Services

Special Item Numbers (SIN Codes) under GSA MAS

518210C | 54151S | 54151HEAL

Past Performance

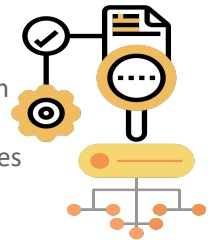


Countering Weapons of Mass Destruction

Core Capabilities

Cloud Services (reference framework)

- Cloud First Architecture
Containerization / Micro services / Serverless
- Infrastructure as code
- CI/CD
- Shared Services
- Processes and Documentation
- Security
- TIC and tunnelling technologies
- Monitoring
- Authority to Operate
- Cost Optimization/Accounting



Cloud Monitoring/Hardening/Compliance

- Scanning
- Compliance
- Threat intelligence
- Threat detection
- Remediation
- Log Collection
- Aggregation/Correlation
- Application/Infrastructure monitoring
- Alerting
- Dashboard
- Reporting



AI/ML/Advanced Analytics Services

- Supervised learning
- Non-supervised learning
- Deep learning
- Model creation/training
- Incorporating:
 - Standard libraries
 - Custom libraries
- Natural language processing
- Dashboard
- Reporting





Countering Weapons of Mass Destruction

Observability:

Goal – Architect and deploy a cloud based, automated, 24/7, Observability & Security-posture solution.

Outcome – Improved operations predictability and lower mean time to repair. Improved Security posture with Security Orchestration, Automation and Response (SOAR) framework.

Cloud Native Containerization re-architecture:

Goal – Re-architect, refresh and migrate from outdated Mesosphere based container orchestration to an AWS-EKS microservices based solution for a mission critical production application.

Outcome – Fully functional prototype ready. Deployment of solution is on the roadmap.

Cloud Native Containerization re-architecture:

Goal – Architect, deploy and obtain ATO for a multi cloud SecDevOps environment in AWS (and Azure), to house various CWMD program applications.

Outcome – A vibrant, multi cloud environment, with an ongoing “Authority To Operate (ATO)”, housing many CWMD mission critical applications in production. This environment has evolved into become the go to cloud environment at CWMD. It has reduced CWMDs dependence on the outgoing DHS data centers. The environment is an extension of the current CWMD network, providing a dedicated, robust, secure, monitored and optimally agile environment for all CWMD applications.



Modernization of Customs-Trade Partnership Program:

Goal – Re-architecting, Modernization and field deployment of mission critical border protection and supply chain application.

Outcome – Incremental approach and execution of functionality/data move, including process and interface analysis and re-architecture. Program executed in meticulously orchestrated Agile format.