



DISA TEM

14 Nov 2023 – DCI Solutions // CyFormer

Who We Are

DCI Solutions provides tailored cybersecurity, artificial intelligence, systems engineering, Healthcare IT engineering and program management services to a diverse clientele encompassing both public and private sectors. Through customized and advanced technology solutions, DCI supports clients with critical program acquisition and planning that enable streamlined operations with effectiveness and efficiency.

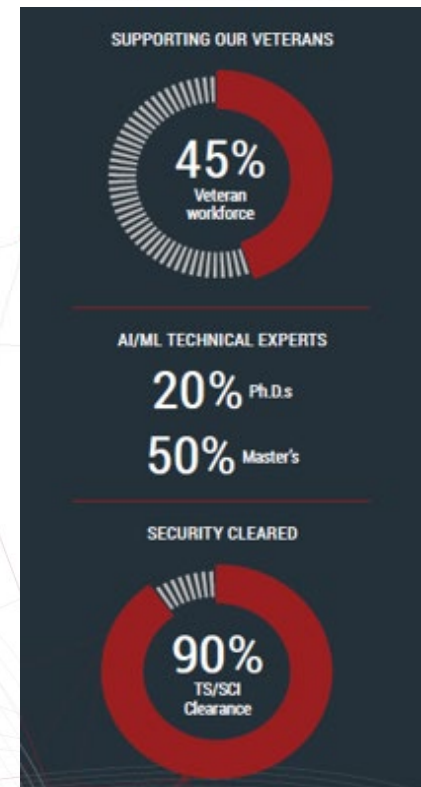
Technical domain knowledge in:

- Artificial Intelligence/Machine Learning (AI/ML)
- Defensive Cyber Operations (DCO)
- Offensive Cyber Operations (OCO)
- DevSecOps Security Engineering
- Electronic Warfare (EW)
- Healthcare Systems High-Performance Computing (HPC)
- Software Assurance Engineering
- Cyber Threat Hunt/Pen Testing

Core Capabilities:

- Artificial Intelligence and Machine Learning
- Cybersecurity
- Systems Engineering
- Software Development

Small Business - USG Contracting - Service Focused



AWARDS & CERTIFICATIONS



Government Solutions

DCI is an experienced government contractor, serving in both prime and partner relationships.

CLIENTS

• PEO IEW&S	• Army Futures Command (AFC)	• Space Force
• PEO C3T	• Communications-Electronics Command (CECOM)	• FBI
• PEO EIS	• Centers for Medicare & Medicaid (CMS)	• HQDA
• Army Cyber Command (ARCYBER)		• Defense Threat Reduction Agency (DTRA)
• ATEC		

New DCI Office

- TS Facility Clearance
- Integration facility, high bay doors
- Expanded server room for Network & capability hosting

Other Services

- Dell Technologies
- Palantir

CORPORATE DETAILS | DEFENSE CONTRACTING, INC. (DCI)

UEI: FKZYBBYD3CJ7

GSA Schedule Contract: GS-35F-526FA

CAGE Code: 7CNP6

SINs

TS Facility Clearance

54151S | 54151HACS | 54151HEAL

Cybersecurity & Artificial Intelligence (AI)

Expert Capabilities

CYBERSECURITY

DCI Solutions brings a holistic cybersecurity philosophy to every client, program and project, which is based upon the tenets of *Identify, Protect, Detect, React, Respond and Recover*. Our team of highly experienced professionals are uniquely postured to integrate all aspects of cybersecurity into myriad system architectures. DCI Solutions focuses on aggressively expanding our clients' viewpoints on the full scope of engineering and compliance-focused cybersecurity services and solutions.

SERVICES & SOLUTIONS

- Risk Management Framework
- Software Assurance Engineering
- System Security Engineering
- Cyber Threat Hunt/Pen Testing
- Security Posture Assessment
- Offensive Cyber Operations (OCO)
- Defensive Cyber Operations (DCO)
- DevSecOps Security Engineering
- CMMC Consulting & Solutions Engineering
- CMMC C3PAO*

*Future offering

EXPERIENCE HIGHLIGHTS

25 Certified cybersecurity professionals and growing (CISSP, CASP, CEIH, Sec+)

100+ active RMF packages successfully completed and maintained

1,000+ endpoints successfully managed and defended

Creation of tailor-made cybersecurity solutions across U.S. Army, U.S. CYBERCOM and private industry

EXPERT CAPABILITIES | CONTINUED

ARTIFICIAL INTELLIGENCE (AI)

Experienced in developing innovative technologies from lab to production, our approach to AI/ML focuses on surmounting the challenges presented by the data labeling and scalability of traditional approaches. With a track record of delivering successful solutions to our clients, DCI Solutions offers deep expertise in using self-supervised learning. Our models create internal representations of data even when there is a lack of labeled data, high-quality data labeling and small data. Building customized models, we create solutions using industry best practices tailored to unique data paradigms. We take the time, designing algorithms to particular use-cases to maintain predictive power within the available computer architecture — from handheld devices to high-performance computing clusters. DCI Solutions has shared research papers at top-tier international conferences while assisting our client's transition partners and peer organizations using these proven principles.



What is CyFormer?



HOW IT WORKS



Analyze
Raw Data



Translate using
NLP Engine



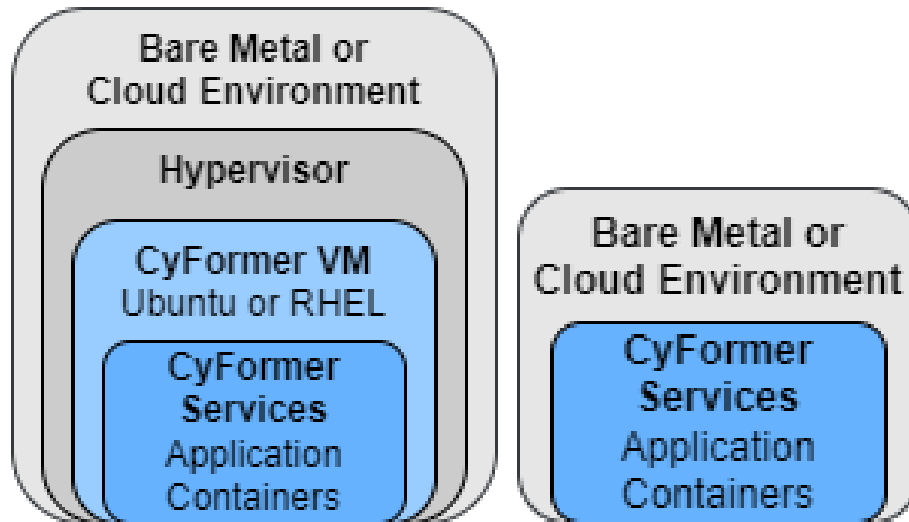
Generate
Anomaly Reports

- CyFormer leverages Artificial Intelligence technology to autonomously learn what is 'normal' and 'not normal' activity within a network.
- Upon detection of anomalous activity, tailorable alerts will be available for review and sent to cybersecurity analysts.
- These alerts will provide cybersecurity analysts with live notifications of anomalous behaviors and enable them to make timely decisions about potential threats.
- Data Analytics for Zero-Trust Architectures.

CyFormer Deployment

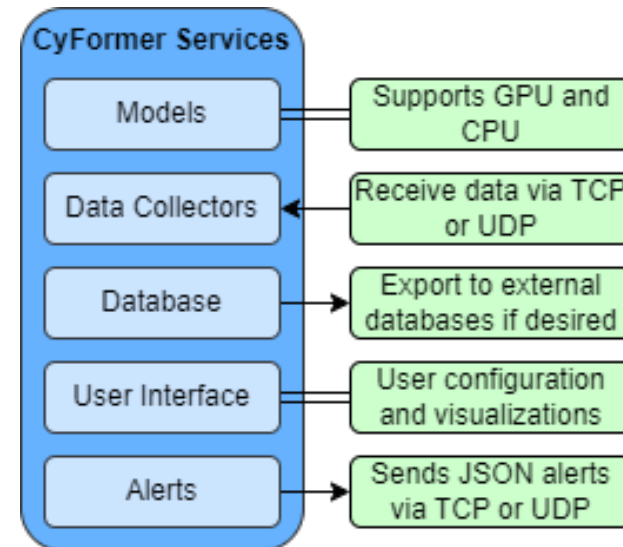


Deploys on



- Bare Metal
- Cloud Environments
- Virtual Machines
- Containers

Touch Points

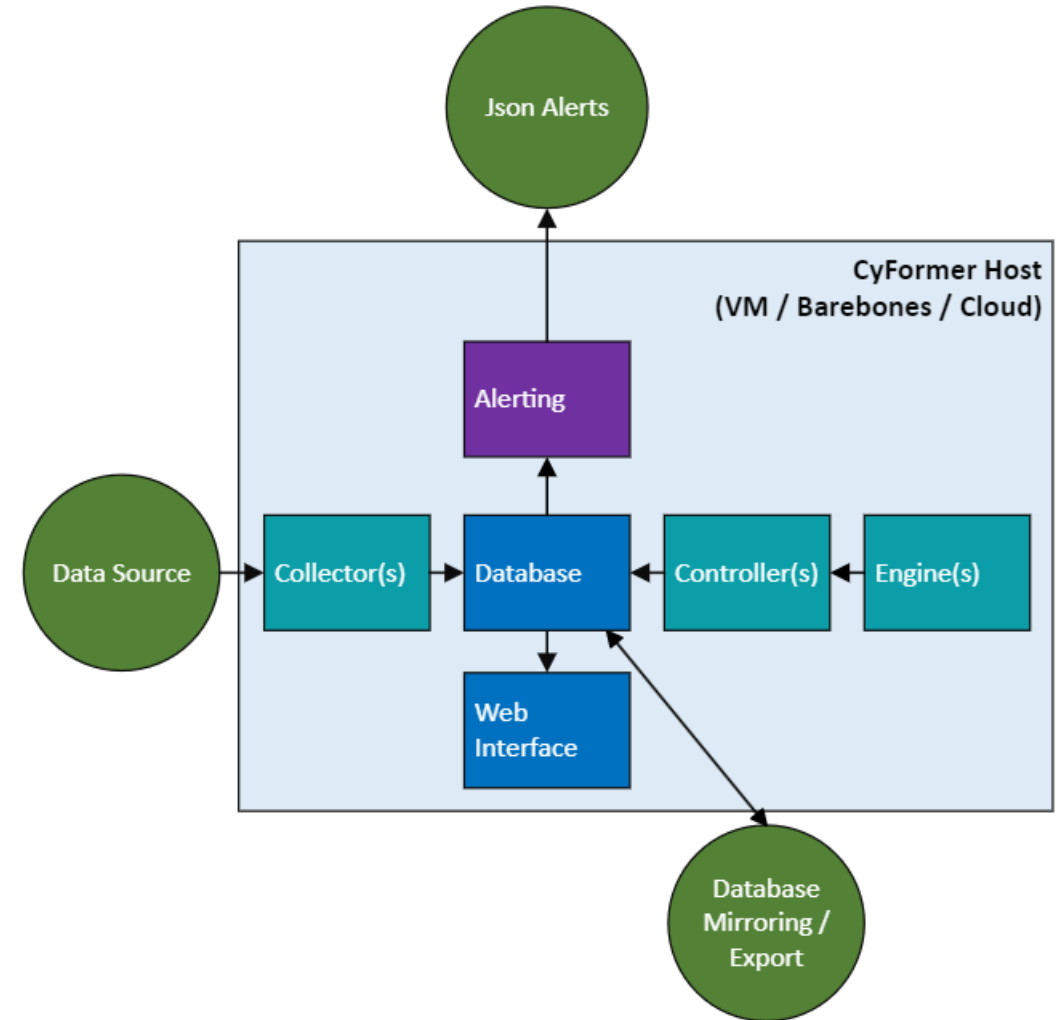


- NVIDIA CUDA
- JSON Alerts sent to external databases and/or SIEM products
- Mirror database
- Receive data via TCP or UDP

Data Pipeline



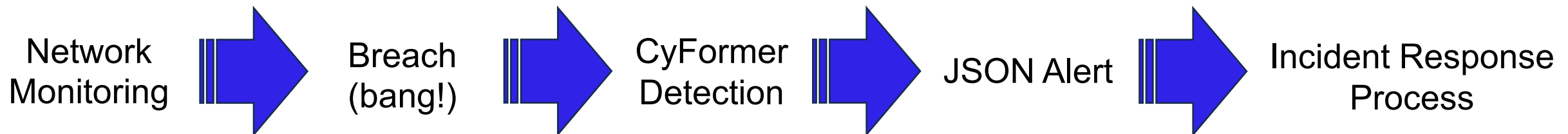
- Currently supported datatypes:
 - Netflow
 - Windows event logs
 - Windows authentication logs
 - Linux auditing logs
 - PCAPs
- Modular architecture allows for individual components to be easily tailored to specific customer needs
 - Additional custom data sources
 - Customized alert contents and format
- Agentless collectors ingest data
- Fully automated data pipeline and self-supervised learning allows for hands-free, burdenless operation



Value Proposition



- Cybersecurity Virtual Analyst
- 24/7 network monitoring
- Reduce Cybersecurity analyst response time
- Supports Zero-Trust architectures
- Signatureless detection

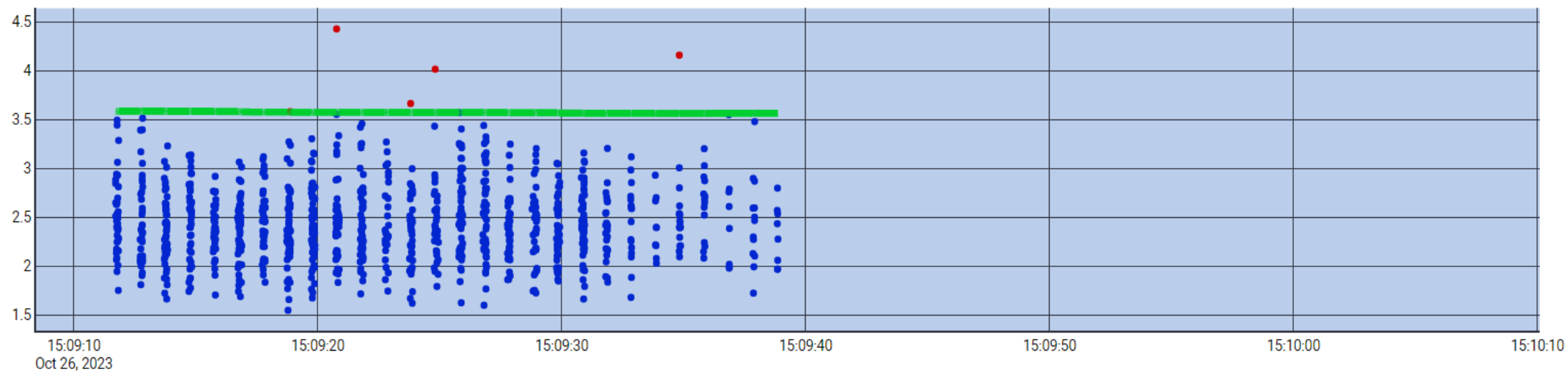




VISUALIZE

Visualize your CyFormer scores.

1 Min



DISA Focus Areas



1. Security & Operations
2. Machine Learning (ML) & Artificial Intelligence (AI)
3. Zero Trust & Access Management
4. Security Orchestration, Automation & Response (SOAR)

“It learns your network, it learns how your team works, it protects your team”



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DEFENSE | HEALTH | CYBER

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