



*Proven Impact.*

# The Navy Success Story

## The Challenge

The Navy faced a fragmented digital landscape, where a massive portfolio of disconnected mission systems created stifling technical debt and integration gridlock.

## The Solution

Redhawk established CDX as the Navy's definitive enterprise integration layer, replacing fragile point-to-point connections with a secure, reusable API framework that ensures total enterprise coherence without compromising system autonomy. Now the formal Department of the Navy standard for interoperability, CDX is engineering the 180-system backbone for the ERP+ re-platform and revolutionizing tactical communications by deploying nodes to over 490 vessels via the LOG-IT initiative. By bridging multi-cloud environments for the Navy Data Program and ADVANA/JUPITER, CDX transforms raw data into a decisive operational weapon, fueling AI-driven supply chain decisions from the enterprise core to the tactical edge.

## The Outcome

CDX is the catalyst for the Navy's digital evolution. By neutralizing technical debt and accelerating the fielding of new capabilities, we ensure the Fleet maintains an unbreakable, data-driven advantage—from the enterprise to the edge.

# REDHAWK

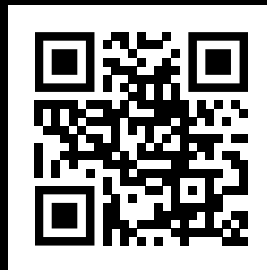
Redhawk empowers our federal and commercial customers to harness AI to accomplish their critical missions. We ensure AI readiness from core business systems and infrastructure architecture, through the data fabric layer and into the end-tools, LLM's and agents our customers utilize.

Our professional team members are thought leaders in their technology fields and in the fields of business and government they serve. We understand that operations and technological know-how are equally important.

## Core Services

- Intelligent Business Transformation
- Applied AI/ML Engineering
- AI Driven Data Integration and Interoperability
- AI Accelerated Web Platform and eCommerce
- Enterprise Zero-Trust Cyber Security

To learn how Redhawk can modernize your enterprise and accelerate your mission, scan the code below or contact **Scott Tielemans** at [stielemans@agr-us.com](mailto:stielemans@agr-us.com) or **813.382.8231**.



redhawkfederal.ai

# REDHAWK

MISSION | SERVICE | IMPACT

## Central Data Exchange (CDX)

*Bridging Legacy and Future Forces*

*"A seamlessly integrated digital ecosystem where the right users can access the right data, at the right time, for the right reason."*

DoD FULCRUM Strategy

# The Risk to Readiness

Modernizing the Army Enterprise (such as EBS-C) is a multi-year journey. The challenge isn't just the end state—it's maintaining 100% readiness while parallel operations exist across legacy and modern systems.

## What is CDX?

The Central Data Exchange (CDX) is an API Management Platform and Marketplace.



Built on MuleSoft in an AWS GovCloud environment, it acts as a secure, resilient access layer that consolidates multiple backend services into a single endpoint.

## CDX Core Capabilities

### Unlocks Data

Extracts information from systems stacked with decades of technical debt.

### Heterogeneous Interoperability

Bridges the gap between modern cloud and legacy on-premises systems.

### Abstraction Layer

Enables backend systems to change without impacting the warfighter's user experience.

### Fast-Fail Innovation

Empowers rapid pilots and POCs to increase the velocity of solutions.

## Why Redhawk?

Redhawk provides the deep technical expertise and operational know-how to transform complex data silos into strategic advantages.

### Proven at Scale

We have over 8 years of ATO-authorized operations in multi-tenant DoD environments.

### Mission-Aware Integration

Our experience includes integrating systems without stripping them of their autonomy.

### Auditability by Design

Advanced telemetry and audit frameworks that fulfill DoD FULCRUM and Navy Data objectives.

### Army-Experienced Architecture

Configured MuleSoft PCE for the AAG, ensuring deep alignment with Army security and operational constraints.

### Agent-Ready Orchestration

Mature processes for exposing APIs to enable trusted, AI-driven workflows and faster decision-making.

### Strategic Alignment

Active collaboration with Salesforce/MuleSoft leadership to advance DoD-scale integration standards.

100%

Client Satisfaction Rate

20+

Years of Industry Expertise

200+

Successful Projects Delivered

15

Industry Certifications

## Empowering the AI Ready Military

The execution layer for the for the Military's Digital Transformation Strategy, **CDX delivers AI-driven capabilities without compromising readiness.**

By providing real-time chatbot orchestration and automated SDLC validation, it ensures mission integrity through intelligent data guardrails. CDX aligns with ATI, PC-C5, and Vantage to accelerate fielded capability while eliminating duplicative integration pipelines.

