DEPARTMENT OF THE AIR FORCE

State of the Software Ecosystem 2026: Delivering the Enterprise Platform Stack



Mr. Ben Homer, DAF DevSecOps (DSO) Lead, SAF/CN

DAFITC 2026

Agenda

1

State of the DAF Software Ecosystem & Future Integration

- Software Ecosystem Alignment
- AFSC/SW Software Directorate
- DAF CIO & CTO Updates

2

Software Ecosystem Updates (1 Slide Update)

- DAF AI Factory
- DAF Cloudworks
- Platform One
- Cloud One
- BESPIN

3

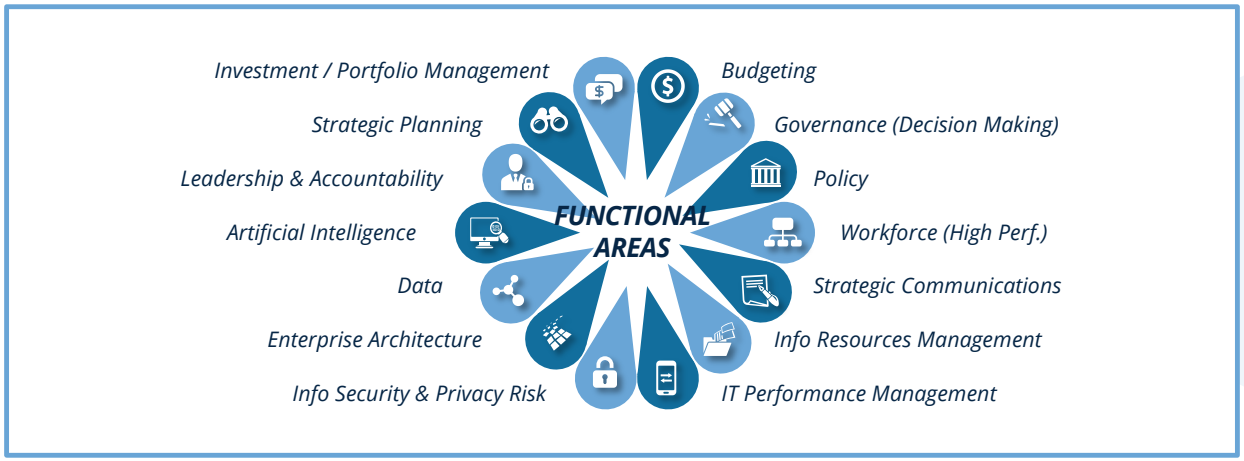
Software Ecosystem Integration

- DAF SW Ecosystem Priorities
- How To Get Involved
- Appendix

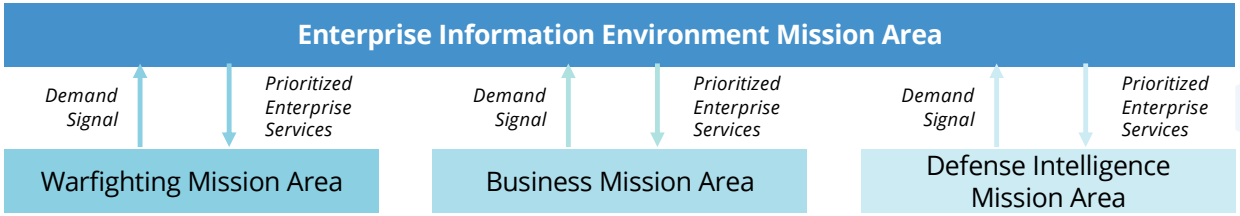
CIO Authorities in Directing Software Modernization

The DAF DSO Lead collaborates with AFSC/SW and other enterprise software organizations to drives enterprise efficiency across the Software Ecosystem by spearheading strategy, policy, and governance for DAF Software Modernization

SAF/CN is responsible for **policy**, **strategy**, **governance,** and **portfolio management** of the Enterprise Information Environment Mission Area (**EIEMA**)



Effective management across 14 functional areas allows for SAF/CN to provide the DAF with enterprise IT services that align to a strategic vision and can be executed through governance structures

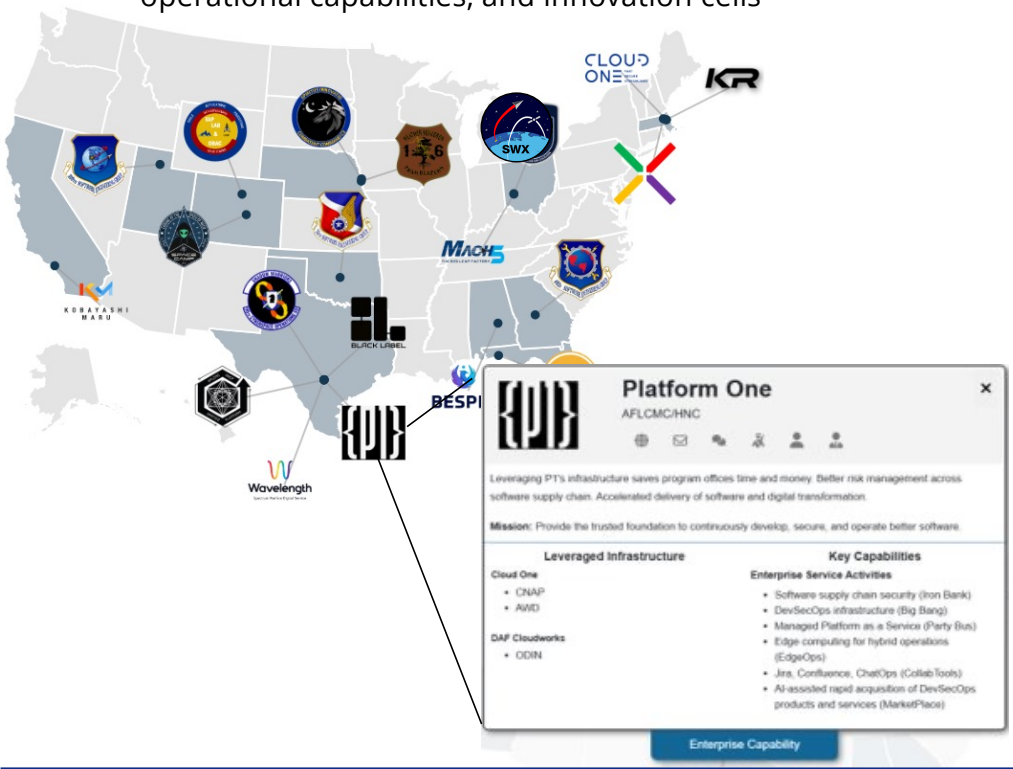


The EIEMA supplies all Mission Areas with Enterprise Services effectively prioritized based on what each Mission Area needs

Connecting the Software Ecosystem

ECOSYSTEM PARTICIPANTS

The ecosystem contains mature enterprise service providers (ESPs), operational capabilities, and innovation cells



SOFTWARE ACTIVITY ALIGNMENT

ENTERPRISE Service

Deliver standardized, scalable services that enforce consistent baselines across all development environments. These providers operate under an "open for business" model, offering readily accessible and reusable software services, components, data, and infrastructure to teams.

OPERATIONAL Capability

The collective software systems, infrastructure, processes, and expertise that enable an **organization** to effectively and reliably perform a specific operational task or achieve a defined mission objective.

INNOVATION Cell

A **project** dedicated, often cross-functional, team whose primary purpose is to explore, incubate, and ultimately implement groundbreaking ideas and technologies that can significantly improve the organization's products, processes, or business models.

Accelerating AI Adoption for National Security

WHO

mission-driven experts delivering AI-powered capabilities securely and at the speed of relevance

WHAT

operational AI ecosystem with a marketplace of AI solutions, access to leading commercial products, and tools to solve your hardest challenges

HOW

RECHARGE



your workflow

Easily integrate AI into your **existing** workflows

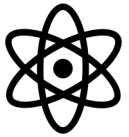
REINVENT



your workflow

Create powerful **new** AI-driven workflows and applications

REDEFINE



your workflow

Bring AI models to production and scale your own AI capabilities

AI ECOSYSTEM

WingmanAI
Enterprise AI model marketplace

InfinityAI
API-powered MLOps services

Donovan
GenAI-powered analysis and agentic automation

SPEAR
Custom web and mobile app development

Coder
AI-powered workspaces using your preferred IDE

CLARA
AI request and approval process

FuelAI
Data labeling and dataset sharing engine

Want to learn more?

https://aifactory.odin.dso.mil

aifactory@us.af.mil

Approved for Public Release on 16 Jun 2026. Distribution Unlimited; AFRL/PA Case No. AFRL-2026-2825

What is DAF CLOUDworks?

The Enterprise Cloud solution for the Air Force Intelligence Community

We are your one stop-shop for development in a secure, cloud-based environment. Safely and securely develop and manage your application while DAF CLOUDworks handles the rest.

What we offer:

Want to focus specifically on developing your application in an ATO cloud-based environment?
We offer a ***DevSecOps Platform*** for web-based applications, allowing for 'net-new' development directly in the managed platform

Need an account created for your own environment with complete budget oversight?
We offer a multi-vendor Cloud Service Provider (CSP) utilizing the Commercial Cloud Enterprise (C2E) contract

Want to run your legacy program in the cloud and manage your own Environment?
We offer an ***Enterprise Cloud*** environment that maintains and supports Customer's computing infrastructure, offering enterprise/security services to deploy direct to an AWS VPC or Microsoft Azure Tier 3 Spoke

Have a project but no contract vendor?
We offer a C2E Task Order that you can manage on your own

Approved for Public Release; Distribution Unlimited: PA CLEARANCE PENDING - DO NOT DISTRIBUTE.

Program Offerings

UNCLASS | SECRET | TS/SCI

Software as a Service (SaaS)

- Collaboration tools to help teams organize, communicate, * share work

UNCLASS | SECRET | TS/SCI

Platform as a Service (PaaS)

- K8s Based:
  - Pipeline & Platform
  - Secret and Top Secret
  - Big Bang Core/Add-Ons
  - CSSP

CI/CD Pipelines

ODIN/P1 (U) → ODIN (S/TS)
or
Reciprocity through partner

UNCLASS | SECRET | TS/SCI

Enterprise & Security Services (IaaS+)

- Maintains & supports cloud computing infrastructure, including security services, to deploy direct to an AWS VPC or Microsoft Azure Tier 3 Spoke

Enterprise Services (IaaS)

- Continuous Monitoring
- Anti-Virus
- Cross Domain Solution
- Domain Name Service
- Financial Management

UNCLASS | SECRET | TS/SCI

ODIN-Edge (PaaS)

- Lightweight ODIN platform for hosting mission apps at the Edge
- Establish low-latency connection to CONUS region when available
- Enable disconnected ops when needed
- Deploys key services to Edge nodes:
  - Authentication
  - Patch repository
  - Database sync service
  - DNS
  - Virus scan

Approved for Public Release; Distribution Unlimited: PA CLEARANCE PENDING - DO NOT DISTRIBUTE.

Platform One Product Portfolio

	{IB} IRON BANK	{BB} BIG BANG	{PB} PARTY BUS	{CT} COLLABTOOLS	{ED} EDGEOPS	{MP} MARKETPLACE
What it is	Secure container registry with updated evidence	Trusted open-source DevSecOps platform	Fully-managed DevSecOps PaaS	Suite of collaboration & productivity tools trusted by the DoW	Way to deploy software in low-bandwidth & air-gapped environments	Hub of pre-assessed and awardable tools, applications, hardware & services
What our customers get	Informed risk decisions on their software supply chain	Tailorable and ready-to-use DevSecOps platform	DevSecOps Infrastructure, CtF, & comprehensive support	Secure messaging, website hosting, agile project management & developer tools	Reusable configurations, automated deployments, & mission-ready scaling	Access to pitch videos for awardable vendors & service providers
So they can	Build pipelines, templates, and run apps	Build, scale and deploy apps quickly	Focus on app development	Securely collaborate & communicate	Get hardware independence and be up and running in hours	Quickly find and acquire the right solution for their software needs
Impact Levels	Customer Environment	Customer Environment	IL2, IL4, IL5	IL2, IL4, IL5	Customer Environment	N/A
Managed by	Iron Bank	Big Bang	Party Bus	Party Bus	Big Bang	Smuggler's Alliance

Cloud One Overview

WHAT IS CLOUD ONE?

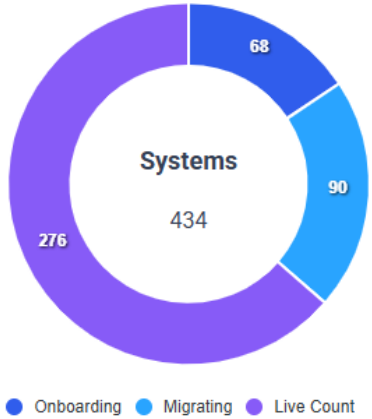
Cloud One is **one of the only fully operationalized PMOs:**

- **Manages the full lifecycle** of an Enterprise IT Capability.
- Continuously supports **750K warfighters.**

Cloud One directly provides:

- Secure environments across multiple Cloud Service Providers **(CSP).**
- Requirements Management.
- Customer Financial Operations **(FinOps).**
- Common Service planning and execution.
- **Fully Accredited** Cybersecurity Guardrails.
- Customer centric **DevSecOps.**
- **24/7 Operations and Maintenance.**





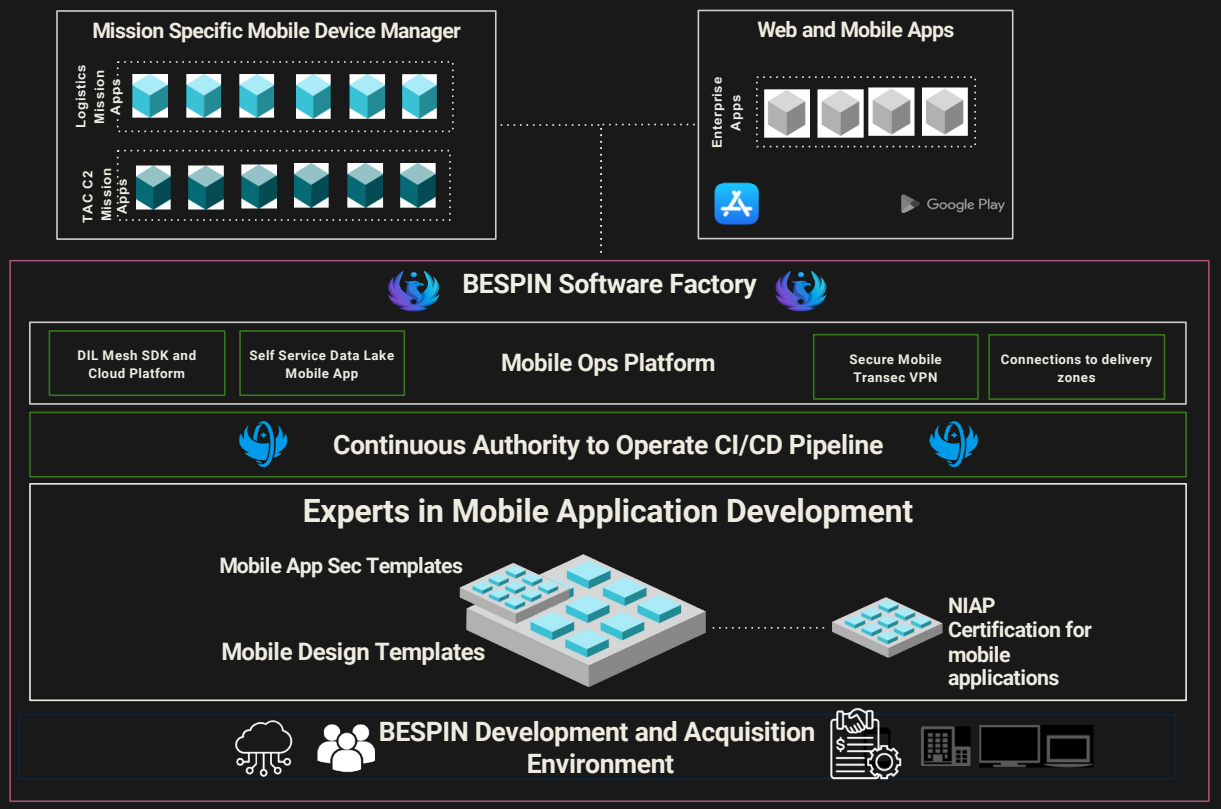
Directly enables

- Spectrum of applications from power projection, generating readiness, developing capabilities and developing people.
- Hosts, supports, and protects and **Enterprise portfolios** of applications like SAF/AMB, HAF A4, SAF/FM, TRANSCOM.
- **Key Stakeholders** include SAF/CN, ACC/A60, ACC Cyberspace Capabilities Center.

BESPIN Mobile Technology Foundation

BESPIN Capability Areas

1. SIGINT Resistant EMCON Devices
2. Enhanced Mobile Device Management
3. Strategic Mobile Virtual Network Operator
4. Low-observable and managed attribution
5. Secure but Unclass Encrypted Network
6. DDIL Resiliency
7. Data Integration
8. Tactical Edge and AI/ML tools
9. Secure Mobile Dev Pipeline
10. Mobile Combat Support Capabilities
11. Mobile Backend as a Service
12. Decentralized Tactical Assault Kit
13. Encrypted Chat



As the DAF's Mobile Center of Excellence, BESPIN has established the people, processes, and technologies needed to deliver mobile.

Warfighting Capability Areas

5G connectivity and managed attribution

Disconnected, Intermittent, and Low Bandwidth (DIL) resilience

Data integration

Tactical edge AI/ML processing



Questions?





Mr. Ben Homer, DAF DevSecOps (DSO) Lead, SAF/CN
Email: benjamin.homer@us.af.mil